

Infor E Series
Human Capital Management
Technical Guide

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Contents

About This Guide

iii Introduction
iv Chapter Summaries
v Product Documentation
vii Documentation

Chapter 1 System Overview

1-1 Introduction
1-2 System Structure
1-5 Implementation Planning

Chapter 2 System Setup

2-1 Introduction
2-2 Installing and Updating the System (Source Maintenance)
2-9 Tax Calculation Source
2-10 Debugging the System (COBOL)
2-14 Changing Physical File Characteristics
2-16 Special Forms and Carriage Control

Chapter 3 Managing Major System Files

3-1 Introduction
3-2 File Control
3-11 Overriding File Control
3-14 File Control Error Recovery
3-16 Rerunning a Job with File Control
3-18 Reading the Employee Master File (PLRSKL)
3-25 Loading or Unloading a Random Employee Master File (PLP000)
3-28 Backing Up and Restoring the Employee Master File
3-29 Accessing the Employee Master File
3-35 Loading/Unloading Random Access Files (PLP000)
3-39 Executing an Extract Run/Partial Rerun
3-46 Building a Period-End Cycle Employee Master File (PLP000)
3-52 Creating or Converting an Employee Master File
3-55 Creating and Maintaining the HRMS Tables File
3-56 Initializing Check Reconciliation and Earnings History Master Files

3-57 The Common Date Routine

Chapter 4 Maximizing System Efficiency

4-1 Introduction
4-2 Operational Procedures
4-3 Proportion of Employees
4-4 File Organization
4-8 Tax Tables
4-11 Tax Reference Loader/Tax Audit

Chapter 5 Reporting Functions

5-1 Introduction
5-2 Installation Audit Reporting
5-5 Running the Check Writer
5-10 Supplemental Check Records
5-13 Using the Employees Not Paid Program
5-14 Adapting User Code for Regulatory Reporting
5-21 U.S. Regulatory Reporting
5-23 Canadian Regulatory Reporting
5-29 User Exits

Chapter 6 Online and Realtime Operation

6-2 Introduction
6-3 Technical Overview of Screen Generator
6-7 Screen Format
6-9 Employee Master File Inquiry Screens
6-15 Transaction Entry Screens
6-19 Combination Screens
6-22 Menu Screens
6-23 Overriding Field Characteristics
6-25 Global Fields
6-27 Screen Numbering and Sequencing
6-28 Generator Transaction Coding
6-30 Header Transaction
6-34 Label Override Transactions
6-39 Data Transactions
6-45 System Default Transaction
6-46 Screen Generator Header (HDR)
6-48 Screen Generator Screen Image
6-49 Screen Generator Data Field Identification
6-50 Screen Generator Separator
6-51 System Default
6-52 Generation Process
6-54 Generator Program Messages
6-59 Inquiry Module Overview
6-60 Edit Module Overview
6-61 Edit Program General Structure
6-64 Release for Processing
6-66 PPO630 Program Select

6-69 Generating User Transactions
6-71 Creating Screens Using Employee User Segment Information
6-74 Generator Program Copybooks
6-76 Transaction Copybooks
6-81 Realtime Screens
6-89 Realtime Audit Database
6-93 Online Check Calculation Features
6-96 Printer - Online Check Calculation
6-97 Screen Security Considerations
6-99 Defining Multiple Databases
6-100 Employee Number Shift
6-101 Position Control Number Shift

Chapter 7 I.E. Security for HCM:E Reporting

7-1 Introduction
7-2 System Flow
7-3 Program Narratives
7-4 Establishing Security
7-6 Implementing Your Decision
7-13 Levels of Security
7-22 Modifying the System
7-30 Change Logical Records
7-32 Change Alpha Masking Character
7-34 Increase Field Position Indicators
7-35 Transaction Description
7-37 Record Description
7-39 Messages
7-40 Reporting with Security
7-41 Realtime Security

Chapter 8 Customizing the System

8-1 Introduction
8-2 Customizing Your System with DOEs
8-5 General Ledger Interface
8-10 User Segments
8-14 Editing/Validating User Transactions
8-18 Updating the Employee Master File
8-22 Implementing Selected Payroll Employee User Transactions
8-29 Reporting from User Segments - IE Considerations
8-36 LIM Efficiency - IE Considerations
8-43 Reducing Run Times
8-45 Processing Load and User Transactions Load (PLP200)
8-49 User Transaction Definitions

Chapter 9 Program Narratives

9-1 HCM:E Central System
9-45 I.E. Logical Interface Modules
9-50 Online Programs
9-55 Realtime Employee Master File

9-71 Realtime Tables File - Common COBOL Programs
9-103 Realtime Tables File - Common Assembler Programs

Chapter 10 Extended Product Security

10-1 Introduction
10-2 Technical Overview of Extended Product Security
10-4 Setting Up and Maintaining Security
10-5 Special Considerations

Appendix A Logical Record Cross-References

A-1 Introduction
A-2 I.E. Logical Record IDs
A-8 Logical Record to Copybook Cross-Reference
A-13 Copybook to Logical Record Cross-Reference

Appendix B LIM to Dataframe Cross-Reference

B-1 Introduction
B-2 Employee Master File
B-3 HRMS Tables File
B-5 Position Control Master File
B-6 Position Control Audit
B-7 Online Check Calculation Detail File

Appendix C Dataframe to LIM Cross-Reference

C-1 Introduction
C-2 Dataframe to LIM Cross-Reference Table

Appendix D Program Messages

D-2 Introduction
D-7 Common Program Messages
D-14 Lost Time Health and Safety (MLT999)
D-15 Program Messages - Canadian ROE (PLC400)
D-16 Program Messages - PGLI (PPG100)
D-17 Program Messages - PGLI (PPG200)
D-19 Program Messages - PGLI (PPG300)
D-20 Program Messages - Labor Distribution (PLL550)
D-29 Copy Services (PLP000)
D-30 Abort Messages - Load (PLP200)
D-31 Program Messages - Validate (PLP400)
D-32 Program Messages - Update (PLP600)
D-35 Program Messages - Compute (PLP700)
D-41 Employee Master File Conversion (PLP900)
D-42 Employees Not Paid (PLPENP)
D-43 Abort Messages - Report Generate (PLR100)
D-45 Program Message - PMRS Report Extract (PLR200)
D-46 Program Messages - Time Entry Proof (PLR300)
D-47 Program Messages - Payroll Report Print (PLR400)

D-51 Program Messages - Check Writer (PLR500)
D-56 Personnel Report Print (PLR700)
D-57 Abort Messages - Personnel Report Generate (PLR700)
D-58 Program Messages - HRMS Tables File
D-63 Regulatory Report Generator (PL2000)
D-64 Program Messages - Regulatory Reporting (PP3000)
D-65 Program Messages - Regulatory Reporting (PP40LE/PP40PS/PP4000/PP5000)
D-68 Abort Messages - Check Reversal (P1P43MP)
D-71 Abort Messages - Check Reversal (P1P45MP)
D-73 Abort Messages - Transfer (P1P99M)
D-74 Error Messages - Online/Realtime - Numbered Program
D-75 Position Control Master File Print (PLJ950)
D-76 Program Messages - Canadian Audit (PLR900)
D-78 Employee Master File Print (PLR950)
D-79 Program Message - PPPASM
D-80 Program Messages - PPPAS1

Appendix E Item to Logical Record Cross-Reference

E-1 Introduction
E-2 Employee Payroll and Personnel Records
E-44 Organization Records
E-46 Position Control Records

Appendix F Logical Record to Item Cross-Reference

F-3 Introduction
F-4 EMP-ADDRESS-RECORD
F-4 EMP-BANK-INFORMATION-RECORD
F-4 EMP-BEN-DISCRIMINATION-REC
F-5 EMP-BEN-HOURS-EARN-INFO-REC
F-5 EMP-BEN-SECTION-89-ACCUM-REC
F-5 EMP-BENEFICIARY-RECORD
F-6 EMP-BOND-INFORMATION-RECORD
F-8 EMP-CAN-DOE-TAX-OPTIONS-REC
F-8 EMP-CAN-EMPLMT-TERM-CODE-REC
F-8 EMP-CAN-GENERAL-INFO-RECORD
F-9 EMP-CAN-TAX-CONTROL-INFO-REC
F-11 EMP-CAN-TAX-WHOLD-ACCUM-REC
F-12 EMP-CAN-TAXBL-WAGE-ACCUM-REC
F-13 EMP-CAN-VACATION-ACCUM-REC
F-14 EMP-CHECK-INFO-AND-EMAIL-REC
F-14 EMP-CHILD-INFORMATION-RECORD
F-14 EMP-COMMISSION-TAX-INFO-REC
F-15 EMP-COMMON-INFORMATION-REC
F-16 EMP-CONF-ANNUAL-SALARY-REC
F-16 EMP-DEP-BASIC-RECORD
F-17 EMP-DEP-PLAN-RECORD
F-17 EMP-DFR-PLAN-ID-RECORD
F-18 EMP-DFR-PLAN-RECORD
F-20 EMP-DFR-SS-OFST-PIA-MFB-REC
F-20 EMP-DFR-SS-PLAN-OFST-OPT-REC

F-21 EMP-DOE-INFORMATION-RECORD
F-23 EMP-DOE-TAX-OPTIONS-RECORD
F-24 EMP-EDUCATION-INFO-RECORD
F-26 EMP-EEA-INFORMATION-RECORD
F-27 EMP-EEA-ORG-SUMMARY-INFO-REC
F-28 EMP-EEO-INFORMATION-RECORD
F-29 EMP-EI-QPIP-INS-EARN-REC
F-29 EMP-ELAPSED-TIME-RECORD
F-29 EMP-EMPLMT-TERM-CODE-RECORD
F-30 EMP-FEDERAL-TAX-ACCUM-RECORD
F-31 EMP-FEDERAL-WAGE-ACCUM-REC
F-33 EMP-GENERAL-BEN-INFO-RECORD
F-34 EMP-GENERAL-HEALTH-RECORD
F-34 EMP-GENERAL-PERS-INFO-1-REC
F-35 EMP-GENERAL-PERS-INFO-2-REC
F-36 EMP-GENERAL-PERS-INFO-3-REC
F-37 EMP-GENL-PAYROLL-ACCUM-REC
F-38 EMP-GENL-PAYROLL-INFO-1-REC
F-38 EMP-GENL-PAYROLL-INFO-2-REC
F-39 EMP-HOURS-ACCUMULATORS-REC
F-39 EMP-HOURS-EARN-ACCUM-ID-REC
F-39 EMP-INJURY-INFORMATION-REC
F-40 EMP-INSURANCE-INFO-RECORD
F-41 EMP-LR-CURRENT-SENIORITY-REC
F-42 EMP-LR-DISCIPLINE-RECORD
F-43 EMP-LR-GRIEVANCE-RECORD
F-44 EMP-LR-HIST-SENIORITY-RECORD
F-44 EMP-LR-LAYOFF-RECALL-RECORD
F-45 EMP-LR-UNION-INFO-RECORD
F-45 EMP-MILITARY-INFORMATION-REC
F-45 EMP-NDFR-PLAN-ID-RECORD
F-46 EMP-NDFR-PLAN-RECORD
F-47 EMP-NORMAL-PAY-INFO-RECORD
F-47 EMP-PAYROLL-PREVIOUS-PAY-REC
F-48 EMP-PAYROLL-PROC-IND-RECORD
F-48 EMP-PERFORMANCE-REVIEW-REC
F-49 EMP-PERS-HOURS-ACCUM-RECORD
F-50 EMP-PERS-SERVICE-INFO-RECORD
F-50 EMP-PLAN-RECORD
F-51 EMP-POS-RELATED-SALARY-REC
F-51 EMP-PROPERTY-INFO-RECORD
F-52 EMP-RELV1-REPORTING-RECORD
F-54 EMP-RELV2-REPORTING-RECORD
F-55 EMP-RETIREMENT-INFO-RECORD
F-56 EMP-SALARY-CHANGE-RECORD
F-57 EMP-SALARY-SPLIT-INFO-RECORD
F-59 EMP-SALTA-RECORD1
F-60 EMP-SALTA-RECORD2
F-61 EMP-SKILLS-INFORMATION-REC
F-62 EMP-SS-OASDI-OPTIONS-RECORD
F-63 EMP-SS-OASDI-PIA-MFB-RECORD

F-63 EMP-SUP-ADDR-RECORD
F-64 EMP-T4-DOE-REPORTING-RECORD
F-64 EMP-T4-REPORTING-RECORD
F-66 EMP-T4A-REPORTING-RECORD
F-67 EMP-TAX-CONTROL-INFO-RECORD
F-69 EMP-TIPS-CREDIT-ACCUM-RECORD
F-70 EMP-TOT-TAX-WHOLD-ACCUM-REC
F-71 EMP-TRANSFER-INFORMATION-REC
F-72 EMP-USER-DATES-RECORD
F-72 EMP-USER-PAYROLL-RECORD
F-73 EMP-USER-PERSONNEL-1-RECORD
F-73 EMP-USER-PERSONNEL-2-RECORD
F-74 EMP-WORKFORCE-UTILZ-INFO-REC
F-75 ORG-SALARY-SPEC-RECORD
F-75 ORG-SALARY-TABLE-RECORD
F-76 POS-DTL-EVAL-RECORD
F-76 POS-DTL-SALARY-INFO-RECORD
F-77 POS-DTL-SPLIT-INFO-RECORD
F-78 POS-DTL-STATUS-DATE-INFO-REC
F-79 POS-DTL-USER-INFORMATION-REC
F-80 POS-GENERAL-HEADER-INFO-REC
F-81 POS-HEADER-REQMT-INFO-RECORD
F-81 POS-NARRATIVE-RECORD
F-82 POS-SKILL-REQMT-INFO-RECORD
F-82 POS-USER-INFORMATION-RECORD

About This Guide

Introduction

The *Technical Guide* is intended to provide information about implementing, running, and backing up the Infor E Series Human Capital Management (HCM:E) system. It also covers procedures for successful system operation and maintenance.

Chapter Summaries

This guide contains the following chapters:

Chapter 1, System Overview

Provides an overview of the HCM:E system. Also provides information about implementation planning.

Chapter 2, System Setup

Contains general information about installing and maintaining the source code for the system. Describes the source code and provides guidelines for making decisions about system initial setup and modification. Information about special forms is included so that you can set the system up for printing.

Chapter 3, Managing Major System Files

Provides an overview of some of the system's major files and gives instructions for performing various operations on them. It also discusses the Common Date Routine, which enables the system to process dates accurately beyond 1999.

Chapter 4, Maximizing System Efficiency

Provides information to help you determine the most efficient way for your organization to process data using the HCM:E system.

Chapter 5, Reporting Functions

Discusses various reporting functions. It focuses on generating checks and producing regulatory reports.

Chapter 6, Online Operation

Describes functions performed online. It includes instructions for creating and modifying online screens that are customized to meet your organization's needs. Information on Realtime system management is also included.

Chapter 7, I.E. Security for HCM:E Reporting

Describes the functions and features of the I.E. Security system for HCM:E reporting.

Chapter 8, Customizing the System

Provides guidelines for customizing and fine tuning the system for your organization and operating environment.

Product Documentation

Central System Documentation

The following list describes product documentation for the HCM:E system:

User Guide	Provides instructions for operating the system.
Transaction Descriptions	Contains field definitions and values for transactions in the system.
Screen Reference Guide	Shows a sample of each screen in the system and provides a description.
Reports Guide	Contains samples of each report (non-regulatory) and provides descriptions.
Regulatory Reporting Guide	Provides all regulatory reporting instructions and contains sample reports.
System Flow	Contains diagrams of data flow, the relationship of programs and files in the system.
File and Record Descriptions	Contains descriptions of every file and logical record in the system. Available on the Infor Support Portal.
Tax Reference Guide	Provides all taxing-specific information and supplements the other manuals in the system.
Technical Guide	Contains technical information about how to implement and maintain the HCM:E system.
SRG/TFI Tables	Describes the Special Report Generator (SRG) and Transaction Field Identification (TFI) Table field numbers that are used to create or change online screens.

Module Documentation

The following modules in the HCM:E system are also available to help you control all facets of your HCM:E responsibilities:

- Labor Relations
- Benefits
- Lost Time, Health and Safety
- Life-to-Date History
- Position Control

Each module has a separate guide.

Supplemental E Series Publications

The following materials supplement the standard set of HCM:E documentation:

Information Expert	Contains procedures for producing your own customized reports using Information Expert.
Installation Support Package (ISP)	Contains procedures for installing utility programs, online interface programs, and application programs.
DCI Administrator's Guide	Contains detailed technical information about the Data Communications Interface (DCI) applications, DCI preprogrammed facilities, DCI structure, the DCI **Help** facility, and the relationship between DCI and online monitors. DCI security, which provides control over online access to HCM:E applications, is discussed thoroughly in this guide.
Installation Document	This file is generated (from the Parameter Selection File) when you install HCM:E. This document is a log of the installation.
HCM:E Data Dictionary	This file describes the data elements added to the Expert Data Dictionary when you install HCM:E. (The HCM:E Data Dictionary defines the data elements used by Information Expert to generate reports.) The Data Dictionary Add and Delete transactions are available on the Infor Support Portal.
Batch and Batch/ Online System Cross-Reference	This material is updated and delivered with each Update Bulletin. It contains cross-references to programs and copybooks within the system.
MVS or VSE Installation Guide	Gives instructions for installing the MVS or VSE system.

Documentation

HCM:E documentation is delivered online on the Infor Support Portal for customers on support for this product. You can access HCM:E online documentation in the Documentation area of the Infor Support Portal by clicking the Browse Documentation option on the Search menu on the home page.

The online documentation is part of the product standard maintenance contract. You can print as many copies of the documentation as required. The documentation PDF files can be copied from the Documentation area to other media to make as many file copies as necessary.

Documentation Area

The Documentation area provides the following features:

- Up-to-date information
- Full-text search capability
- Printing from PDFs online
- Downloading PDFs for printing.

Accessing Online Documentation on the Infor Support Portal

To access the HCM:E documentation online, you must have

- Internet access
- Browser (supported version of Internet Explorer)
- Infor Support Portal ID and password. Contact Customer Support if you do not have a password.

Human Capital Management Documentation Updates

To access the most up-to-date version of HCM:E documentation, always use the Documentation area of the Infor Support Portal. The online documentation files are updated with new information periodically.

1 System Overview

Chapter Contents

1-1 Introduction
1-2 System Structure
1-5 Implementation Planning

Introduction

This chapter provides an overview of the Infor E Series Human Capital Management (HCM:E) system.

System Structure

The HCM:E system is a powerful tool that enables you to manage both personnel and payroll functions efficiently and easily.

Payroll

The Payroll component helps you meet all the requirements of your payroll department—from payment functions to government reporting to management control and record keeping. The Payroll component enables you to

- Pay earned wages and salaries promptly
- Define a reporting structure to meet your organizational needs
- Design unique reports
- Maintain complete report control
- Accommodate changes in U.S. and Canadian federal regulations
- Produce standard payroll and regulatory (U.S. and Canadian) reports
- Promptly activate changes in U.S. and Canadian federal, state (provincial), and local taxes
- Combine multiple employee types, pay methods, and pay frequencies within a payroll unit
- Perform online inquiry, online entry (to generate transactions), and realtime update functions
- Maintain an accurate audit trail
- Distribute and report labor costing, budgeting, and accruals across defined levels of organization
- Interface payroll expenses to the E Series General Ledger system
- Perform check reversals and check reconciliation
- Track earning history
- Track labor distribution
- Update your E Series General Ledger software using the General Ledger Interface.

Personnel

The Personnel system stores and manages comprehensive information about each employee in your organization. It provides easy access to this information, enabling you to minimize employment costs through effective manpower planning, benefits administration, and compliance with requirements. The Personnel system enables you to maintain accurate records for seniority rosters, layoffs and recalls, disciplinary actions, union membership, and contract negotiations, making it particularly useful in labor relations matters. The Personnel component enables you to track the following information:

- Benefits/ERISA
- Life-To-Date History
- Position Control
- Employee Labor Relations
- Lost Time, Health and Safety

Central System

The central system meets the majority of an organization's needs. The modules provide a variety of capabilities often needed in larger, more complex organizations. The central system includes organization and employee information. This information can be processed Realtime, Online, or through Batch.

Organization Information

Organization information controls your company's policies.

Employee Information

Employee information is the actual individual information used for payroll and personnel purposes.

Operating Environment

HCM:E operates in an IBM MVS or VSE operating system. The Online/Realtime screens operate under CICS/VSAM with the Data Communications Interface (DCI).

Information Expert Data Dictionary

In the installation process, the I.E. Data Dictionary is populated with entities used by HCM:E.

CICS Monitor

The CICS teleprocessing monitor is used for the Online Inquiry and Entry and Realtime modules.

File Maintenance

Data that updates the human resource files is entered through realtime maintenance facilities, online, and batch transactions. For more information, see the *Screen Reference Guide*.

Security

Online/realtime access to the HCM:E system is controlled by a combination of DCI and extended product security. For more information about

- DCI security, see the *DCI Administrator's Guide*
- Extended product security, see the Extended Product Security chapter of this guide.

Externalized Input/Output

Logical input/output operations required by the application are processed by externalized I/O modules. For sequential files, these external I/O modules contain hardware-specific code to perform the requested operation.

Information Expert (I.E.)

Information Expert allows you to

- Create reports that can be viewed online
- Manipulate data by creating transactions to update the Employee Master File.

The security feature of I.E. allows you to secure individual fields of information based on values entered on the TFS-001 transaction.

Information Expert Data Dictionary

In the installation process, the I.E. Data Dictionary is populated with entities used by the HCM:E system.

Implementation Planning

This section describes suggested steps for implementing HCM:E. It also recommends the personnel needed for each step and discusses organizational considerations that might affect your implementation.

Overview

Implementation consists of installing the system software, deciding which system options to use, and adding or converting your existing information to the human resources database. To avoid confusion over the use of the words *implementation* and *installation*, please note that *installation* refers to a single step (software installation) within the multi-step *implementation* process.

Implementing HCM:E is most efficient when you work in cooperation with your organization's payroll, personnel, accounting, internal auditing, and data processing personnel. You might also want to involve people who will use the system on a daily basis.

Implementation Steps

The following list of major implementation steps was created to help you design a step-by-step plan for implementing your system. Depending on your organization's needs, you might want to emphasize some steps and minimize others. You also might want to change the sequence of tasks, add tasks, or work on multiple tasks simultaneously. More information about some of these steps is contained in this section.

Step	Action
1	Key personnel (usually data processing and application personnel) should familiarize themselves with the system. The best way to do this is by reviewing the system documentation.
2	Establish the project team.
3	Get to know the system.
4	Establish the project schedule.
5	Install the system.
6	Define organization structure, policies and procedures.
7	Establish data processing procedures.
8	Train the users.
9	Plan and prepare for data conversion.
10	Enter test data.

(continued)

Step	Action
11	Parallel present system.
12	Convert production data.
13	Go into production.

Step 1: Key Personnel Get to Know the System

To be effective, each person on the project team must be familiar with the HCM:E system. Several resources are available to help you learn the system, including

- Product documentation
- Customer education
- Demonstration reports.

Step 2: Establish the Project Team

Team Purpose

The first step in implementing the HCM:E system is not installing the system software, but establishing a project team. This team will plan and direct the implementation process.

After the system is implemented, the project team manages ongoing tasks, such as

- Determining how your organization uses system update bulletins, enhancements, and new releases
- Reviewing your organization's use of the system's features to optimize the system's benefit to your organization and to address organizational changes
- Training current employees (ongoing) and new staff.

Who to Involve

The team should include management and staff personnel from payroll, personnel, accounting, data processing, and internal auditing departments. Each person on the team should become familiar with the system before participating in the project implementation.

The Team Leader

The team should be led by someone who can

- Coordinate tasks and completion dates
- Inform management of project progress
- Act as the primary contact with Infor during implementation.

Step 3: Team Personnel Get to Know the System

All team members should familiarize themselves with the system. See Step 1.

Step 4: Establish the Project Schedule

After determining the implementation tasks necessary for your organization, develop an implementation schedule to accomplish the following tasks:

Step	Action
1	Define major project goals and intermediate goals.
2	Itemize appropriate tasks. After the implementation project team is established and the documentation has been reviewed, organize the implementation into manageable tasks. Define each task with the following questions in mind: ▪ Is the task necessary? ▪ Who will be responsible? ▪ What is the most efficient means of completing this task? ▪ How long will it take to accomplish? You might want to implement the system in phases, such as organizational unit (division at a time), functional unit (payroll, personnel, benefits), or a combination of the two. Consider the following factors when making your decisions: ▪ Urgency - Which components of the system are needed soonest? ▪ Ease of conversion - Usually payroll data converts more easily than personnel data. ▪ Availability of personnel - Which people are needed for a step? Do you need to work around anyone's schedule to ensure that sufficient time is available at the correct points in the project schedule?
3	Determine checkpoints for evaluation of goals.
4	Review the implementation schedule and obtain approval of the implementation schedule from your management.

Determine Staffing Requirements

The project team evaluates the implementation tasks and recommends staffing requirements to management. Implementation often requires the involvement of people from

- Accounting
- Computer operations
- Data control (Job scheduling and distribution)
- Employee relations
- Internal auditing
- Payroll
- Personnel
- Systems and programming.

Also, the Customer Support staff is always available to answer questions and guide you through this process.

Step 5: Install the System

For more information about installing the system, see Installing and Updating the System in this guide.

Steps 6-13

The remaining steps should be based on your organization's structure and needs and performed according to your team's plan.

2 System Setup

Chapter Contents

2-1 Introduction
2-2 Installing and Updating the System (Source Maintenance)
2-9 Tax Calculation Source
2-10 Debugging the System (COBOL)
2-14 Changing Physical File Characteristics
2-16 Special Forms and Carriage Control

Introduction

This chapter contains general information about installing and maintaining the source code for the E Series Human Capital Management (HCM:E) system. It describes the source code and provides guidelines for making decisions about initial system setup and modification. Information about special forms is included so that you can set the system up for printing.

Installing and Updating the System (Source Maintenance)

This section contains **general** information about installing and updating the system. It does not contain specific instructions for installing the system software or applying updates. Such instructions are provided with the original installation or update bulletin.

For information on how to…	See the…
Install the system	*Installation Guide* included in your installation package.
Apply an update bulletin	*Bulletin Narrative* and *Implementation Instructions* issued for the bulletin issued through the Infor Support Portal.

Version

At the time of installation, the most current version of the HCM:E system is delivered, along with complete installation instructions and an audit report listing the release level and software version number.

Description of Source Code

The source code consists of individual COBOL programs, COBOL copybooks, and Assembler programs that are loaded to disk files during the installation process. A utility, DBSSMP, is used during installation and maintenance procedures; this utility is described in the *Installation Support Package* delivered with your original system software.

Update Bulletin Types

Overview

Permanent product changes are issued as update bulletins. The following table shows the types of update bulletins issued.

Bulletin Type	Description
Tax Update	Issues changes to U.S. and Canadian taxes, Social Security rates and wage bases, Canada and Quebec Pension Plan rates, and so on.
Product Update	Issues changes for the Payroll/Personnel system and U.S. and Canadian regulatory reporting requirements that have been issued as solutions in the current solution collection. Changes can include corrections, new requirements, and enhancements for new functionality. Product update bulletins are issued once a year.
Enhancement	Major enhancements can be issued in a separate enhancement bulletin.

Note: KB articles describe temporary updates. They are assigned a number and issued on the Infor Support Portal when coding and testing have been completed.

Delivery

All updates, bulletins, and full installations are delivered on the Infor Support Portal, where you can access the online customer support service.

Installation Instructions

The following sections contain instructions for installing updates/bulletins. Instructions for installing product update and enhancement bulletins are combined.

Tax Update

This table describes the components of a tax update.

Component	Definition
Bulletin Narrative	Describes the changes issued in the bulletin and how to implement a new feature. Also lists any updates included in the bulletin. Delivered on the Infor Support Portal.
Implementation Instructions	Provides detailed instructions for implementing the tax update. Generic implementation instructions (not update-specific) can be found on the Infor Support Portal.
Tax Reference Transactions	Contains reference information that provides government- or user-defined values, or both, for various tax calculations.
Tax Source Code	Contains tax source code changes.
Documentation Changes	Documentation changes as a result of the tax update. Complete, updated documentation can be accessed through the Search, Browse Documentation link on the Infor Support Portal home page.

Process

After you download a tax update from the Infor Support Portal, follow these steps:

Before You Begin

Step	Action
1	Run the FILES function. This creates as many of the following files as needed. *XXYYNNNN*.BN - Bulletin Narrative *XXYYNNNN*.II - Implementation Instructions *XXYYNNNN*.TR - Tax Reference Transactions *XXYYNNNN*.TS - Tax Source Code *XXYYNNNN*.DOC - Documentation Changes *XXYYNNNN* is the tax update identification. The first two characters (*XX*) represent the tax authority. The next two characters (*YY*) represent the last two digits of the year. The last four characters (*NNNN*) are a sequential number. For example, if the first tax update for 1999 affects the state of Georgia, the tax update ID is GA990001, or if the first tax update for 2000 affects Federal FICA tax, the tax update ID is FD000001. All Canadian tax changes, federal or provincial, have a tax authority identifier of CN. All local tax authorities have the tax authority identifier of the state they are in.

(continued)

Step	Action
2	Print the information members (.BN, .II, and .DOC).
3	Upload the .TS and .TR files to your mainframe. The TR file is input to the Tax Reference Information Loader (PLPBMR). The .TS file is input to DBSSMP to update your tax SPL file.
4	Read the Bulletin Narrative and Implementation Instructions. Pay special attention to notes in star boxes (****).
5	Determine the scope of the update in relation to your environment and develop an implementation schedule. Although all updates are thoroughly tested, implementing testing procedures for your environment to ensure that the update has been correctly applied is recommended.

Applying the Changes

Step	Action	Result
1. Apply Reference Information Changes	Execute PLPBMR with transactions in file *XXYYNNNN*.TR as input. For detailed information about creating Reference Information transactions, see the HRMS Tables File section of the *Tax Reference Guide*.	Updates your HRMS Tables File with appropriate taxing information.
2. Apply Tax Source Code changes	Apply *XXYYNNNN*.TS changes to your TAX SOURCE SPL using DBSSMP.	
3. Create Sequential Input	Execute DBSSMP using ¬SELCT. Code Rules for this step are shown following this table.	Creates a Tax Formula File Loader input file containing the update information.
4. Update Tax Formula File	Execute either PLPBLU (U.S.) or PLCBLC (Canadian) using the sequential file (SYS011) created in the previous step.	Updates your Tax Formula File with changes.

Code Rules (Step 3 from the preceding table)

When you execute DBSMP using the ¬SELCT function to create Tax Formula File Loader input, code your DBSSMP function control transactions as follows:

```
----+----1----+----2----+----3----+----4----+----5
 ¬ASSGN             INDEXED
 ¬SETDC     +             X
 ¬SELCT ATTXUFDO A
```

Note: Replace ATTXUFD0 with the specific module name listed in the update's Implementation Instructions. Enter as many ¬SELCT statements as modules updated.

Product Update/Enhancement Bulletin Format

Product update or enhancement bulletins are issued on the Infor Support Portal. They consist of the following items:

Component	Definition
Bulletin Narrative	Describes the changes issued in the bulletin and how to implement a new feature. Also lists any updates included in the bulletin. Delivered on the Infor Support Portal.
Implementation Instructions	Describes the target codes, lists affected programs to compile and link, JCL changes, and details of how to implement the bulletin in your system. Delivered on the Infor Support Portal.
Source Code	Source code on the Infor Support Portal contains both batch and screen, online source, and I.E. Dictionary transactions.
Documentation Changes	Critical documentation changes are issued with the KB on the Infor Support Portal. Complete documentation can be accessed through the Search, Browse Documentation link on the Infor Support Portal home page.
HelpText	DCI HelpText for HCM:E.
SRM transactions	SRM (record map) transactions to address regulatory reporting changes

Applying Bulletins

After you download a product update bulletin or an enhancement bulletin from the Infor Support Portal, follow these steps:

Before You Begin

Step	Action
1	Use the Update Bulletin List to verify that you have applied all applicable bulletins to your system.
2	Download the files attached to the bulletin. These can include the following programs and files: copy*YYNN*.exe - Copybook to program cross-reference *YY NN* bulletin narrative.doc - Bulletin Narrative ub*YYNN*ii.doc - Implementation Instructions ub*YYNN*mv.exe - MVS define file ub*YYNN*vs.exe - VSE define file mast*YYNN*.exe - Master source cross-reference prog*YYNN*.exe - Program to copybook cross-reference where *YYNN* is the year and number component of the bulletin number.
3	Print the Bulletin Narrative.
4	Upload the .def and .scr (VSE) files to your mainframe. These files are used as input to DBSJSG.
5	Read the Bulletin Narrative and Implementation Guide. Pay special attention to notes in star boxes (****).
6	Determine the scope of the bulletin in relation to your environment and develop an implementation schedule. Although all updates are thoroughly tested, we recommend implementing testing procedures for your environment to ensure that the update was correctly applied and that no conflicts with your modifications occur.
7	Identify the affected modules and the required compiles and links by matching the target codes in the bulletin with the target codes for your system. Target codes for the system are listed in the *System Flow and Program Narratives*.
8	If you have modified your system, first check whether the bulletin source changes might overlay some of your modifications. If this is the case, reapply your modifications to the affected members after the bulletin source changes are applied.

Applying the Changes

Step	Action
1	Follow the Implementation Instructions to apply the changes to your test system.
2	Test the updated system.
3	Move the updates from your test system to your production system.
4	Update your documentation.
5	Record the date applied on the Update Bulletin List.
6	Record the dates the bulletin was received and applied on a separate log. File the Bulletin Narrative and Implementation Instructions for future reference.

Problem Checklist

If a problem occurs when you apply a tax update, a product update, or an enhancement bulletin, it can usually be resolved by checking the following areas:

- Did the source update (DBSSMP execution) go to completion?
- Did the bulletin code conflict with client modifications?
- Did compiles and links go to completion?
- Did your tests of the bulletin changes produce expected results?
- Are you executing from the correct library?
- Are you using the HRMS Tables File and Tax Calculation File that were updated?

If you cannot resolve the problem using the preceding questions, contact Customer Support.

Tax Calculation Source

Overview

Tax Calculation Source is a language developed for HCM:E for tax calculations. The tax calculation source library consists of tax calculation modules. Each tax calculation module calculates taxes for a specific taxing authority.

Maintaining Tax Calculation Source

Maintenance for the tax calculation source is provided on the Infor Support Portal. After you download tax calculation updates from the support portal, you apply them to the system using an installation and update utility called DBSSMP.

For information about DBSSMP and its commands, see the *Installation Support Package* guide.

Debugging the System (COBOL)

When you experience problems with the system, it is helpful to debug the system before calling Customer Service. HCM:E provides a COBOL debugging tool to help you and the Customer Support Representative identify and solve the problem. You can also use the debugging tool on your own to debug any modifications you have made to the system.

Process

To implement the trace, first update a test copy of your program with the debugging code.

Step	Action
1	Insert COPY statements in the source to be debugged. The four copybooks that must be included in this change are shown following this table.
2	After updating your source with the debugging statements, compile and link in the usual way.
3	Execute the program.

Copybooks to Change (from Step 1)

Copybook PADBUG:

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
000001*    ** BEGINNING OF COPYBOOK PADBUG LAST UPDATED AT UB 94.10   **
000002*    ** COPYBOOK ORIGINALLY ISSUED IN UB 94.10                  **
000100*************************************************************
000200* THIS COPYBOOK SHOULD BE INSERTED IN THE CONFIGURATION        *
000300* SECTION OF THE ENVIRONMENT DIVISION TO TURN ON DEBUGGING     *
000400* MODE.                                                        *
000500*************************************************************
000600 SOURCE-COMPUTER.  IBM-370 WITH DEBUGGING MODE.
999999*    *****************  END OF COPYBOOK PADBUG  *****************
```

Copybook PDDBG1:

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
000001*    ** BEGINNING OF COPYBOOK PDDBG1 LAST UPDATED AT UB 94.10   **
000002*    ** COPYBOOK ORIGINALLY ISSUED IN UB 94.10                   **
000100*****************************************************************
000200* THIS CODE GOES DIRECTLY AFTER THE PROCEDURE DIVISION AND     *
000300 BEFORE THE ENTRY STATEMENT.                                   *
000400* IT CONTROLS WHAT GETS DISPLAYED BY THE TRACE.                *
000500*****************************************************************
000600 DECLARATIVES.
000700 COBOL-DEBUGGING SECTION.
000800     USE FOR DEBUGGING ON ALL PROCEDURES.
000900 COBOL-DEBUGGING-PARA.
001000     IF WS-TRACE-ON
001100         DISPLAY DEBUG-LINE ' ' DEBUG-NAME ' ' DEBUG-CONTENTS.
001200 END DECLARATIVES.                                              *
999999*    *****************  END OF COPYBOOK PDDBG1  ******************
```

Note: The DECLARATIVES control the format of the trace information. Note that in the copybook PDDBG1, the trace information is a display statement that prints three fields from the special register DEBUG-ITEM. This DISPLAY can be changed to execute any valid COBOL statement when a new section or paragraph occurs.

Copybook PDDBG2:

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
000001*    ** BEGINNING OF COPYBOOK PDDBG2 LAST UPDATED AT UB 94.10   **
000002*    ** COPYBOOK ORIGINALLY ISSUED IN UB 94.10                  **
000100*************************************************************
000200* THIS STATEMENT STARTS THE TRACE.  IT MAY BE PLACED          *
000300* IN THE PROCEDURE DIVISION ANYWHERE IT IS DESIRED TO BEGIN   *
000400* TRACING.                                                    *
000500*************************************************************
000600     MOVE 1 TO WS-TRACE-SWITCH.
999999*    ****************  END OF COPYBOOK PDDBG2  ****************
```

Note: The copybook PDDBG2 initiates the trace by moving 1 to WS-TRACE-SWITCH. The trace can be turned on and off at any place in the program, any number of times. If you place it at the beginning of the PROCEDURE DIVISION and leave it on, the entire execution of the program is traced. If you want to trace only a part of a program, move zero into WS-TRACE-SWITCH to turn the trace off.

Copybook PCDBUG:

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
000001*    ** BEGINNING OF COPYBOOK PCDBUG LAST UPDATED AT UB 94.10   **
000002*    ** COPYBOOK ORIGINALLY ISSUED IN UB 94.10                  **
000100*************************************************************
000200* THIS COPYBOOK GOES IN WORKING-STORAGE, AND DEFINES THE       *
000300* DEBUGGING TRACE SWITCH.                                      *
000400*************************************************************
000500 01  WS-TRACE-SWITCH                    PIC 9(01)  VALUE 0.
000600     88  WS-TRACE-OFF                              VALUE 0.
000700     88  WS-TRACE-ON                               VALUE 1.
999999*    *****************  END OF COPYBOOK PCDBUG  ******************
```

Example. Here is an example of the results displayed in SYSOUT:

```
001726      MLS-ENTER               FALL THROUGH
001740      HOUSEKEEPING-100        PERFORM LOOP
001769      HKS-INIT-FCPOL1-TABLE   PERFORM LOOP
001769      HKS-INIT-FCPOL1-TABLE   PERFORM LOOP
001769      HKS-INIT-FCPOL1-TABLE   PERFORM LOOP
etc.
```

Note: The first two columns are the COBOL line number and the paragraph or section name encountered during execution of the program. The third column indicates how the paragraph was executed.

Changing Physical File Characteristics

When you install the system, you define the physical characteristics of the files used by the system. Both file block sizes and file storage media (disk, tape, and so on) are defined during this process. How you define the physical file characteristics depends on which operating system you are using:

- MVS: through the generated JCL
- VSE: programmatically through the file I/O modules.

Reasons for Changing Physical File Characteristics

After your files are defined, you might decide to change one or more of your physical file characteristics. For example, you might want to change some file block sizes to alter run time and memory requirements, depending on your memory availability or disk device type, or both. If you have limited disk space, you might want to change some sequential disk files to tape.

Guidelines

The method for changing physical file characteristics cannot be standardized because of variations from system to system. The following variables must be considered:

- Operating system variations
- Program structure flexibility
- Procedure variances (depending on the use and nature of the file).

Process

Use the following basic steps to customize your physical file characteristics, making necessary adjustments to accommodate your system configuration:

Note: The source changes, compiles, and links mentioned in these steps are not necessary for MVS systems.

Step	Action
1	Find all references to the file using the *File and Record Descriptions* on the Infor Support Portal Knowledge Base or Documentation links.
2	Make the necessary source changes in each program referenced.
3	Find all programs affected for each changed copybook, using the copybook-to-program cross reference printed from the Infor Support Portal. Recompile each affected program.
4	Relink all affected executable modules using the information provided in the *System Flow and Program Narrative* or copybook to program cross-reference on the on the Infor Support Portal.
5	Make the necessary JCL changes for each affected executable module.
6	To verify your changes and double-check all references to the file, follow it through the system flow diagrams in the *System* Flow guide.
7	Use system service programs to change the physical characteristics of existing files.

Special Forms and Carriage Control

Checks/Deposit Advice Forms

Lines

6 lines per inch

Format

The following table describes the format of each type of special form.

Type	Description	Lines per Form
1C/1D	Self-mailer check/deposit advice	44
2C/2D	3 ½" earnings statement left, check/deposit advice right	21
3C/3D	3 ½" earnings statement over, check/deposit advice under	42
4C/4D	3 ½" check/deposit advice over, earnings statement under	42
7C/7D	Laser 8 ½" x 11" check/deposit advice under, earnings statement over	66

Regulatory Reporting Forms

Form Code	Description	Lines per Form
205	W-2PR laser employer form	44
210	W-2PR laser employee form	44
335**	2 wide, 3 up 1099-R (Employer)	22
340**	2 wide, 3 up 1099-R (Employee)	22
435*	Laser print magnetic media W-2 (Employer) continuous form	22
440*	Laser print magnetic media W-2 (Employee) continuous form	22
485	1 wide, 4 up Horizontal Eccentric "Z" fold Pressure seal W-2	112
505	T4 pressure seal slip (Canadian)	36
515	T4A pressure seal slip (Canadian)	36
525	Releve 1 pressure seal slip	36
555*	T4 laser employer slip (Canadian)	44
560*	T4 laser employee slip (Canadian)	44
565*	T4A laser employer slip (Canadian)	43
570*	T4A laser employee slip (Canadian)	43

(continued)

Form Code	Description	Lines per Form
575*	Releve 1 laser employer slip (Canadian)	22
580*	Releve 1 laser employee slip (Canadian)	22
585*	Releve 2 laser employer slip (Canadian)	30
590*	Releve 1 laser employer slip (Canadian)	30

SRMs for format 435 can be copied and used for format 445.

SRMs for format 440 can be copied and used for format 450.

* W-2 and Canadian laser formats are 8 lines per inch for IBM and 8.1 lines per inch for Zerox. Laser forms are 8 ½" x 11", 8 ½" x 14", or 9 ½" x 14". For the option to produce laser printer output with channel values, see the PRT001 [80] - Print Request section in the Transactions PH - P2 chapter of the *Transaction Descriptions* guide.

** 1099-R laser forms 335 and 340 are 6 lines per inch, 22 lines per form, 12 characters per inch, and 66 lines per page. For the option to produce laser printer output with channel values, see the PRT001 transaction in the *Transaction Descriptions* guide.

Canadian Record of Employment (ROE)

Lines	6 lines per inch or 8 lines per inch (default)
	60 lines per form
Channel Usage	Channel 1, top-of-page

3 Managing Major System Files

Chapter Contents

3-1 Introduction
3-2 File Control
3-11 Overriding File Control
3-14 File Control Error Recovery
3-16 Rerunning a Job with File Control
3-18 Reading the Employee Master File (PLRSKL)
3-25 Loading or Unloading a Random Employee Master File (PLP000)
3-28 Backing Up and Restoring the Employee Master File
3-29 Accessing the Employee Master File
3-35 Loading/Unloading Random Access Files (PLP000)
3-39 Executing an Extract Run/Partial Rerun
3-46 Building a Period-End Cycle Employee Master File (PLP000)
3-52 Creating or Converting an Employee Master File
3-55 Creating and Maintaining the HRMS Tables File
3-56 Initializing Check Reconciliation and Earnings History Master Files
3-57 The Common Date Routine

Introduction

This chapter provides an overview of some of the system's major files and gives instructions for performing various operations on them. It also discusses the Common Date Routine, which enables the system to process dates beyond the year 1999 accurately.

File Control

File control is a facility for controlling updates to and reporting from your Employee Master File. This section explains the technical aspects of file control. The *User Guide* contains file control instructions for system operators.

Three files contain file control data:

- Valid Transaction File (PWP110)
- Employee Master File (PWP010)
- HRMS Tables File (PWV010).

Date and time controls are used for file control processing. The controls indicate the computer date and time when the referenced file or organization on the file was created or updated. They are maintained individually for each Employee Master File type (current, period-end, or extract/rerun cycle).

The Valid Transaction File and the Employee Master File contain date and time controls indicating when each file was created or updated. This data is updated automatically and cannot be changed using transactions. The date and time control fields are:

- Valid transaction controls on the Valid Transaction File header, indicating when the file was created (IC record)
- Employee Master File controls on the Employee Master File's header, indicating when the file was last updated (001 segment)
- Organization controls on the Employee Master File organization header, indicating when the organization was last updated (101 segment).

File Control Data

The file control data on the HRMS Tables File is used to determine if the correct files are being used. Date and time controls are maintained for each Employee Master File type (current, period-end, or extract/rerun cycles). The data on the HRMS Tables File can be automatically updated. It can also be manually updated using the T01-001 and T01-002 transaction. Refer to the *Transaction Descriptions* for more information. If you use multiple current cycle Employee Master Files and file control, you must have an HRMS Tables File for each current cycle Employee Master File. For example, if you have two Employee Master Files containing different sets of level 1-level 2s, an HRMS Tables File is required for each Employee Master File.

Date and Time Control Fields

The following date and time control fields are on the HRMS Tables File:

- Employee Master File controls indicating when the Employee Master File was last updated (T01-001)
- Organization last update controls indicating when the organization was last updated (T01-002)
- Organization last update controls indicating when the last Valid Transaction File was created containing transactions for the organization (T01-002)
- Organization controls expected by Update (PLP600) specifying the Employee Master File organization controls to be expected with the transaction file in Update (T01-002)
- Organization controls expected by Compute (PLP700) specifying the Employee Master File organization controls to be expected with the transaction file in Compute (T01-002).

File Control Data Reporting

File control data is printed on several reports. This data can be seen on:

- Employee Master File audit trail lines
- HRMS Tables File – File List
- Employee Master File Print (95 Print).

The Employee Master File audit trail lines provide an audit trail of files used to update the Employee Master File. These lines are printed by programs that update the Employee Master File or create the Valid Transaction File. They are printed at the end of each organization processed and at the end of all processing for the file. The file control records on the HRMS Tables File (T01-001 and T01-002) can be listed by selecting the AA1 option on the RUN transaction. Refer to the *Transaction Descriptions* manual for a description of the RUN transaction. The file control data on the Employee Master File header (001 segment) and organization header (101 segment) can be seen on the Employee Master File Print (PLR950).

File Control Processing

File control processing is automatic. This process is described in the following table:

Stage	Description
1	File control data is verified.
2	File control data in the Employee Master File, Valid Transactions File, and HRMS Tables File is updated.
3	An audit report is printed. This report tracks the files used.

You can enter a permanent override of all file control processing in the HRMS Tables File. See the section on Overriding File Control.

File Control Data

The data for Employee Master File control is created as follows:

Stage	Description
1	The Employee Master File Utility (PLP900) creates file control data for current cycle Employee Master File processing.
2	Employee Master File Copy Services (PLP000) creates data for period-end and Extract/Rerun Cycle Employee Master File processing.
3	Update (PLP600) creates file control data when you add a new organization to your file.

File control processing continues automatically for each Employee Master File type—current, period-end, or extract/rerun cycles.

Program Processing

File control processing performs various functions within the programs of the payroll system. This section describes the processing steps for each program affected.

Transaction Load (PLP200)

File control creates a file header record in the Loaded Transaction File. This header record identifies the type of Employee Master File associated with the transactions as specified by the IC transaction.

Transaction Validate (PLP400)

File control establishes the valid transactions date and time controls in the Valid Transaction File header (IC) record.

The following table describes how Transaction Validate functions.

When…	File Control…
The Employee Master File is opened	Compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not from the latest update, the process aborts.
An organization header record is read	Compares the organization header (101 segment) against those in the HRMS Tables File T01-002 record to verify that the organization being used is from the latest update. If it is not from the latest update, a warning message is displayed.
Organization processing ends	Updates the HRMS Tables File with the following controls: ▪ Valid transactions controls in the T01-002 record ▪ Organization controls expected by Update (PLP600) in the T01-002 record ▪ Conditionally, the organization controls expected by Compute (PLP700) in the T01-002 record. File control also prints Employee Master File audit trail lines for the organization processed.
A job ends	Prints audit trail lines for the entire file.

Update (PLP600)

The following table describes how Update (PLP600) functions.

When…	File Control…
The Employee Master File is opened	Compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not from the latest update, the process aborts. It also updates the Employee Master File header (001) segment with the current date and time controls.
An organization header record is read	Compares the organization header (101 segment) against those in the HRMS Tables File T01-002 record to verify that the organization being used is from the latest update. If it is not from the latest update, the process aborts. It also updates the organization header (101) segment with the current date and time controls.
Organization processing ends	Updates the HRMS Tables File with the following controls: ▪ Organization last update controls in the T01-002 record ▪ Organization controls expected by Update (PLP600) in the T01-002 record ▪ Conditionally, organization controls expected by Compute (PLP700) in the T01-002 record. File control also prints Employee Master File audit trail lines for the organization processed.
A job ends	Updates the Employee Master File controls in the HRMS Tables File T01-001 record and prints audit trail lines for the entire file.

Compute (PLP700)

The following table describes how Compute (PLP700) functions.

When…	File Control…
The Employee Master File is opened	Compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not from the latest update, the process aborts. It also updates the Employee Master File header (001) segment with the current date and time controls.
An organization header record is read	Compares the organization header (101 segment) against those in the HRMS Tables File T01-002 record to verify that the organization being used is the one expected by the program. If it is not, the process aborts. It also updates the organization header (001) segment with the current date and time controls.
Organization trailer processing ends	Updates the HRMS Tables File with the organization last update controls in the T01-002 record. File control also prints Employee Master File audit trail lines for the organization processed.
A job ends	Updates the Employee Master File controls in the HRMS Tables File T01-001 record and prints audit trail lines for the entire file.

Employee Master File Utility (PLP900, PLP902, PLP903)

The following table describes each of the programs associated with the Employee Master File Utility.

Program	Description
PLP900	▪ Creates an initial Employee Master File. (Option 18 on the IU transaction) ▪ Converts from HR98.20 to HR01.15 (Option 20 on the IU transaction) after installing the HR01.15 release. Corrects and print organization and file trailer totals. (Option 21 on the IU transaction).
PLP902	Converts an Employee Master File from HR93.09 through 96.06/9701SR to HR97.03 after installing the HR98.20 and HR98.25 releases.
PLP903	Converts an Employee Master File from HR97.03 to HR98.20 after installing the HR98.20 release.

The following table describes how Employee Master File Utility programs function.

When…	File Control…
The Employee Master File is opened (sequential only)	Compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not from the latest update, the process aborts. It also updates the Employee Master File header (001) segment with the current date and time controls.
An organization header record is read	Compares the organization header (101 segment) against those in the HRMS Tables File T01-002 record to verify that the organization being used is the one expected by the program. If it is not, a warning message is displayed. It also updates the organization header (101) segment with the current date and time controls.
Organization processing ends	Updates the HRMS Tables File with the organization last update controls in the T01-002 record. File control also prints Employee Master File audit trail lines for the organization processed.
A job ends	Updates the Employee Master File controls in the HRMS Tables File T01-001 record and prints audit trail lines for the entire file.

Employee Master File Copy Services (PLP000)

The following table describes how Employee Master File Copy Services (PLP000) functions:

When…	File Control…
The primary or secondary input Employee Master File is opened	▪ If the **input** file is not a copied Employee Master File (input file selector value other than 4), file control compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not, the program aborts. ▪ If the **output** file is not a copied Employee Master File (output file selector value other than 4), file control updates the Employee Master File header (001) segment with the current date and time controls.
An organization header record is processed in the primary or secondary input Employee Master File	▪ If the **input** file is not a copied Employee Master File (input file selector value other than 4), file control compares the controls in the Employee Master File header (101 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update. If it is not, the program aborts. ▪ If the **output** file is not a copied Employee Master File (output file selector value other than 4), file control updates the organization header (101) segment with the organization controls from the input organization header.
Organization trailer processing ends	If the output file is not a copied Employee Master File (output file selector value other than 4), file control updates the HRMS Tables File T01-002 record and prints Employee Master File audit trail information for the organization processed.
A job ends	▪ If the output file is not a copied Employee Master File (output file selector value other than 4), file control updates the Employee Master File controls in the HRMS Tables File T01-001 record and prints Employee Master File audit trail information for the entire file. ▪ If the job aborts at the end of processing because of invalid MS-2 transactions, all file control data has been updated.

Report Generate/Print Programs

This table lists the reporting programs:

Program	Name
PLR100	Payroll Report Generate
PLR200	Personnel Report Generate
PL2000	Regulatory Report Generate
PLR950	Employee Master File Print (95 Print)
P1P99M	Employee Transfers
PLRSKL	Employee Master File Skeleton
MLT999	Lost Time, Health, and Safety Conversion
PLPENP	Employee Not Paid Report

All of these programs use the Employee Master File and HRMS Tables File as input. This table describes how these report generate/print programs function:

When…	File Control…
The Employee Master File is opened	Compares the controls in the Employee Master File header (001 segment) against those in the HRMS Tables File T01-001 record to verify that the Employee Master File being used is from the latest update and issues a warning message if it is not.
An organization header record is read	Compares the organization header (101 segment) in the Employee Master File against those in the HRMS Tables File (T01-001) record to verify that the organization being used is the one expected by the program and issues a warning message if it is not.

Overriding File Control

File control processing can be overridden by Employee Master File type (current, period-end, or extract/rerun cycle) using HRMS Tables File transactions. You can enter a permanent override of all file control verification and updating or a one-time override of verification for the entire file. A one-time override will override file control verification until the override is replaced with date and time controls when a program that automatically updates the controls is executed.

Permanent Override

If you do not want to use the file control feature initially for a particular Employee Master File type, enter a permanent override using the T01-001 transaction.

To enter a permanent override, enter all **9**s in the Rerun Employee Master File Date fields on the T01-001 transaction (positions 40 – 47) and enter a **C** in position 7. It can also be entered Realtime.

If a permanent override for the entire file is entered:

- No file verification is done.
- The file control data on the Employee Master File is updated (001 and 101 segments).
- The file control data on the Valid Transaction File is updated (IC record).
- The file control data on the HRMS Tables File is not updated (T01-001 and T01-002 records).
- The Employee Master File audit trail lines are printed with messages warning that file control verification and updating was not done.

System Date Override

A facility for overriding the system date in processing is provided. This date can be used to simulate a system date in the future or past in a test environment. **This override must not be used in production processing.**

The date is stored in columns 86-93 of the AA1, T01-001 record on the Tables File.

The date is established using the T01-001 transaction. To establish the test date, process a T01-001 change, entering the desired future or past date in columns 52-59 of the transaction. Once the date is established, it is used in all processing when the system date is called.

To reset the test date to zeros, you must maintenance the other three dates in the T01-001 transaction. The test date cannot be reset as the **R** option.

Use this override **only in a test environment**. A warning message will be generated on the Activity Report File Control Page for Validate, Update, and Compute if this date is used in processing.

For additional information see the Common Date Routine section in Chapter 3 of the *Migration Guide.*

One-time Override of the Entire File (T01-001)

The T01-001 transaction can also be used to enter a one-time override of file control verification for the entire file by Employee Master File type. You might use such a one-time override if you have restored your Employee Master File to its appearance several updates back. You can also use a one-time override to turn off a permanent override and begin normal file control processing.

To enter a one-time override of the entire file, enter an **R** or **000000** in the First Year field of the current Employee Master File date fields (position 16). It can also be entered Realtime.

If a one-time override for the entire file is used:

- No file control verification is done.
- The file control data on the Employee Master File is updated (001 and 101 segments).
- The file control data on the Valid Transaction File is updated (IC record).
- The file control data on the HRMS Tables File is updated for use in later systems processing (T01-001 and T01-002 records).
- The Employee Master File audit trail lines are printed with messages warning that file control verification was not done.

One-Time Override of a Specific Organization (T01-002)

The T01-002 transaction can also be used to enter a one-time override of file control verification for a specific organization. This one-time override can be used if an organization's file control data on the HRMS Tables File is updated by a program that aborted.

To enter a one-time override of file control verification for an organization on a period-end cycle Employee Master File, enter an **R** or **000000** in the first Year Field of the Last Organization Update Date fields, the Organization Valid Transaction Date fields, the Organization Update Input Date fields, and the Organization Compute Input Date fields (positions 16, 29, 41, and 52). It can also be entered Realtime.

If a one-time override of a specific organization is used:

- No file control verification is done for the organization.
- The organization controls on the Employee Master File are updated (101 segment).
- The organization controls on the HRMS Tables File are updated for use in later systems processing (T01-002 record).
- The Employee Master File audit trail lines are printed with a message warning that file control verification was not done for this organization.

File Control Error Recovery

When a file control error occurs, the actual and expected file control data is printed. This information can be evaluated to determine the cause of the error. Refer to the Program Messages section to determine the specific problem that caused the error.

Possible Causes of Errors

Possible causes of file control errors include:

- The wrong Employee Master File was used.
- The wrong Valid Transaction File was used.
- The Employee Master File was restored to a previous level but file control data on the HRMS Tables File was not restored or overridden.
- The HRMS Tables File was restored incorrectly or reloaded.
- The Employee Master File was restored incorrectly.
- The Employee Master File and the HRMS Tables File were restored to different levels.
- Update (PLP600) was not run before Compute (PLP700) when it was needed.
- Update (PLP600) or Compute (PLP700) had already been run using the Valid Transaction File and you were trying to run it again.
- The previous job to update the Employee Master File did not successfully execute; this job could be Update (PLP600), Compute (PLP700), Employee Master File Utility (PLP900), or Employee Master File Copy Services (PLP000).
- Employee Master File Utility (PLP900) or Employee Master File Copy Services (PLP000) was run in the middle of the maintenance cycle.
- Employee Master File Copy Services (PLP000) was used to create a new Employee Master File (current, period-end, or extract/rerun cycles) when an Employee Master File for that file type already existed. In this case, the file that already existed cannot be used again without changing the HRMS Tables File. For more information, refer to the section on Employee Master File Copy Services (PLP000).

Possible Actions

After the cause of the error is found, you must decide whether to re-execute with the correct files, restore the files, or change the file control records on the HRMS Tables File. The information on the Employee Master File Audit Trail should be used to determine the correct files for processing.

The control records on the HRMS Tables File can be changed using T01-001 and T01-002 transactions. The records on the HRMS Tables File can be:

- Corrected
- Used to override file control verification for the entire file or specific organizations (temporary override)
- Used to override file control verification and updating for the entire file (permanent override).

For information about how to change the records on the HRMS Tables File, see the *User Guide*. For descriptions of these transactions, see *Transaction Descriptions*.

After the files are corrected or restored, you are ready to rerun the job or entire cycle.

Rerunning a Job with File Control

General Guidelines

When you need to rerun a program or an entire cycle of programs, some general rules apply:

- If a program aborts for any reason other than file control, you can use or restore the original input Employee Master File and re-execute that program. File control data on the HRMS Tables File does not need to be changed. Any previous program that uses the same input Employee Master File can also be rerun. For example, if Update (PLP600) aborts, the Transaction Validate (PLP400) can also be rerun without changing file control data.
- If you need to use a previous version of the Employee Master File to re-execute the entire cycle, file control data on the HRMS Tables File must be changed before you rerun the program or cycle. A previous Employee Master File is an Employee Master File other than the latest, successfully updated Employee Master File. The maintenance cycle is Transaction Validate (PLP400), Update (PLP600), and Compute (PLP700). For example, your compute report shows errors and you need to rerun validate in order to correct the problem. Since a previous Employee Master File has to be used to rerun validate, the file control data on the HRMS Tables File must be changed.
- If you use a copy of a previous Employee Master File (input file selector value 4) to rerun Employee Master File Copy Services (PLP000), file control data on the HRMS Tables File does not need to be changed before the program is rerun.
- If you use a previous Employee Master File (input file selector not value 4) to rerun Employee Master File Copy Services (PLP000), file control data on the HRMS Tables File must be changed before you rerun the program.
- If Employee Master File Copy Services (PLP000) aborts at the end of the job because of invalid MS-2s and you want to rerun the program using the same Employee Master File as input, file control data on the HRMS Tables File must be changed before you rerun the program.
- If you use a previous Employee Master File to re-execute Employee Master File Utility (PLP900) or one of the reporting programs, you do not need to change file control data before you rerun the program. These programs will display file control warning messages and continue processing. A list of the reporting programs is located in the section on File Control.
- If a program aborts with a file control error message, you can rerun the program or entire cycle after you have corrected the problem. Refer to the section on File Control Error Recovery to determine how to correct the file control problem.

Adjusting the File Control Data

Several ways for adjusting the file control data on the HRMS Tables File are available:

- Correct the control records on the HRMS Tables File using the information from the Employee Master File audit trail. This requires entering one T01-001 transaction for the entire file and one T01-002 transaction for each updated organization on the Employee Master File. Refer to the *User Guide* for information on how to change the records on the HRMS Tables File. Refer to *Transaction Descriptions* for more information.
- Change the control records on the HRMS Tables File to override file control verification. One T01-001 transaction can be entered to override file control verification. More information is located in the section on Overriding File Control.
- Restore the HRMS Tables File to the same level as the Employee Master File using a system utility.
- Restore the Employee Master File using a copied Employee Master File (input file selector value 4) as input to Employee Master File Copy Services (PLP000). The file control data on the HRMS Tables File will automatically be adjusted correctly.

Reading the Employee Master File (PLRSKL)

PLRSKL is a Skeleton program that reads the Employee Master File and HRMS Tables File. This program is intended to serve as a model for creating user-defined programs that access the Employee Master File and the HRMS Tables File for unique client requirements. As delivered, the Skeleton Read program completely processes the Employee Master File or Payroll Reporting Detail File and HRMS Tables File for any deliverable version of the system.

The HRMS Tables File contains a T00-001 record that is used to indicate the normal input files. Positions 22-23 of the T00-001 transaction identify the file to be used by the Skeleton program for normal system processing. If **EM** is entered, the Skeleton program uses the Employee Master File as input. If **PD** is entered, the Skeleton program uses the Payroll Reporting Detail File (created out of Compute (PLP700)) as input.

Special user-defined copybooks (PDZ*xxx*) are provided for you to update special Employee Master File or Payroll Reporting Detail File and HRMS Tables File processing and reporting logic.

PDZ Copybooks and Associated Records

PDZ copybooks are defined for processing the following types of Employee Master File or Payroll Reporting Detail File and HRMS Tables File records:

Employee Master File or Payroll Reporting Detail File

Copybook	Records
PDZPOH	Organization (Level 1-Level 2) Header Master Records
PDZPEC	Employee Current Master Records
PDZPEA	Employee Add Adjustment Master Records
PDZPEM	Employee Minus Adjustment Master Records
PDZPEP	Employee Prepayment Adjustment Master Records
PDZPER	Employee Reversal Adjustment Master Records
PDZPEN	Employee Check Master Records
PDZPOT	Organization (Level 1-Level 2) Trailer Master Records
PDZPDT	File Trailer Master Record

HRMS Tables File

Copybook	Records
PDZSDT	Build of Organization (Level 1-Level 2) DOE Table
PDZORG	Organization Special Hours, Step-DOEs, and Tabled Amounts

Organization, Employee, or Trailer Processing

In the procedures identified for organization, employee, or trailer processing, the appropriate data is contained in the logical Employee Master File record stack area or HRMS Tables File record areas. At this time, individual fields can be referenced using the data names in copybooks PCPEML, PCPMLM, PCZSDT, PCVORG, and PCVPDE.

The employee data in these copybooks redefines the organization data; therefore, organization data should be saved in work areas if it is required during employee record processing. Use the following guidelines for saving the organization data:

If...	Then...
Fields in employee DOEs are to be accessed	The appropriate DOE information should be moved from the field in PCPEML to the field in PCPDOE.
Fields in SALTAs are to be accessed	The appropriate occurrence should be moved from the field in PCPEML to the field in PCPSLT.
Organization DOE information is to be accessed	The appropriate values should be moved from the field in PCVPDE to the field in PCZSDT.

Changing Skeleton Programs

The changes you must make in the Skeleton program depend on whether or not the DOE fields in the HRMS Tables File are accessed. The following sections describe the changes necessary in each case.

When DOE Fields Are Not Accessed

If organization DOE information is **not** going to be accessed from the HRMS Tables File, make the following changes in the Skeleton program (optional):

Step	Action
1	Comment out copybooks PCPODM and PCZSDT from Linkage Section: `190100*    COPY PCPODM REPLACING` `190101*         == VALUE LOW-VALUES== BY ====` `190102*         == VALUE ZEROS== BY ====.` `190300*    COPY PCZSDT REPLACING` `190301*         == VALUE LOW-VALUES== BY ====` `190302*         == VALUE ZEROS== BY ====.`
2	Delete the USING statement and the USING arguments from the Procedure Division: `200100  PROCEDURE DIVISION.` `200200*                          PCPODM-ORG-DOE-MAXIMUM` `200300*                          PCZSDT-ORG-DOE-WORK-AREA.`
3	Change GOBACK to STOP RUN in the MAIN-LOGIC-PPRSKL paragraph: `211300      STOP RUN.`

(continued)

Step	Action
4	Comment out the copy statements for copybooks PDZSDT, PDPSDL, and PDPSOD: `507000*CPY-PPRSKL-PDZSDT.  COPY PDZSDT.` `507200*CPY-PPRSKL-PDPSDL.  COPY PDPSDL REPLACING` `507300*  DOE-TABLE-COUNT BY` `507400*  PCZSDT-DOE-TABLE-COUNT` `507500*  DOE-WORK-ENTRY BY` `507600*  PCZSDT-DOE-WORK-ENTRY` `507700*  DOE-TABLE-ENTRY BY` `507800*  PCZSDT-DOE-TABLE-ENTRY` `507900*  BUILD-DOE-WORK-ENTRY-PDPSDL BY` `508000*  BUILD-DOE-WORK-ENTRY-PDZSDT.` `508200*CPY-PPRSKL-PDPSOD.  COPY PDPSOD REPLACING` `508300*  TABLE-DOE-CODE BY` `508400*  PCZSDT-TABLE-DOE-CODE` `508500*  DOE-WORK-ENTRY BY` `508600*  PCZSDT-DOE-WORK-ENTRY` `508700*  DOE-TABLE-ENTRY BY` `508800*  PCZSDT-DOE-TABLE-ENTRY` `508900*  DOE-TABLE-INDEX BY` `509000*  PCZSDT-DOE-TABLE-INDEX` `509100*  DOE-CODE BY` `509200*  PCZSDT-DOE-CODE.`
5	Comment out the following PERFORM statements: **¬EDIT SPDRSKL** A `002510*  PERFORM BUILD-ORG-DOE-TABLE-PDZSDT.` `010240*  PERFORM INIT-HOLD-LEVEL1-2-PDZSDT.`

Remove PPASM and PPPDOE from the sample linkset provided for the Skeleton program and change the entry point name, MSAPGM, to the name of your program.

Step	Action
1	MVS **¬INCLD PYRSKL** SNLINKSET FOR PLRSKL ~~**INCLUDE OBJECT(PPPASM)**~~ ~~*** ASSEMBLER PROG TO GET CORE**~~ ~~**INCLUDE OBJECT(PPPDOE)**~~ ~~*** PROG ID TBL AND NUMBER OF DOES**~~ INCLUDE OBJECT(PPRSKL) * CONTROL PROGRAM FOR SKELETON INCLUDE OBJECT(PNP01S) * SEQUENTIAL EMF I/O INCLUDE OBJECT(PNP01R) * RANDOM EMF I/O INCLUDE OBJECT(PNR06S) * DETAIL FILE INCLUDE OBJECT(PPP990) * READ PROGRAM FOR EMF INCLUDE OBJECT(PPPABT) * ABORT ROUTINE INCLUDE OBJECT(PNV01R) * RANDOM TABLES FILE I/O INCLUDE OBJECT(PNV01M) * SEQUENTIAL TABLES FILE I/O ENTRY ~~**MSAPGM**~~ (change to your program name) NAME PLRSKL(R)
2	VSE ¬INCLD PVRSKL SNLINKSET FOR PLRSKL PHASE PLRSKL,* ~~INCLUDE PPPASM~~ (remove) ~~INCLUDE PPPDOE~~ (remove) INCLUDE PPRSKL INCLUDE PPPDOS INCLUDE PNP01R INCLUDE PNP01S INCLUDE PNR06S INCLUDE PPP990 INCLUDE PPPABT INCLUDE PNV01R INCLUDE PNV01M ENTRY ~~MSAPGM~~ (change to your program name)

When DOE Fields Are Accessed

The following information applies only to Skeleton programs that **do** access organization DOE information from the HRMS Tables File:

To access organization DOE information from the HRMS Tables File, refer to the comment sections in copybooks PPRSKL, PCZSDT, and PDZSDT. Refer to these copybooks, as well as the comment sections in the special Z (user-defined) copybooks for information on adapting the Skeleton to your specific Employee Master File processing requirements.

Adding or Changing Organization DOE Table Data

As delivered, the Skeleton program is set up to access the following organization DOE fields from the HRMS Tables File:

- DOE Code
- DOE Type
- DOE Taxing Options (organization level only).

These fields are defined in working-storage copybook PCZSDT. Procedure Division copybook PDZSDT contains the logic that builds and accesses the organization DOE table. Additional fields may be added to, or existing fields may be changed or removed from, PDZSDT. The organization DOE table contains information from the HRMS Tables File. More information on the organization DOE table is located in the *User Guide*.

Follow these steps to add or change the data that is loaded into the organization DOE table:

Step	Action
1	Add or change the desired dataname in the work-entry and table-entry areas in PDZSDT.
2	Add or change the MOVE statements in copybook `PDZSDT (BUILD-DOE-WORK-ENTRY-PDZSDT` Section) to include the appropriate fields. If changes are made in the work-entry and table-entry areas in PCZSDT, the OCURSIZ and TABADJ in PPPDOE must be adjusted to reflect the changes. (See instructions in the following section.)

Identifying Multiple Skeleton Programs

If multiple versions of the Skeleton programs are to exist under different program-IDs, then you must identify them to the assembler programs (PPPASM and PPPDOE) that drive the system. More information is located in the section on Customizing Your System with DOEs.

To identify another version of the Skeleton program, you must add the program-ID to PPPDOE and PPPASM. PPPDOE, the DOE Table Program, contains externalized references of the programs for the system to calculate the storage needed for processing.

Step	Action
1	In PPPDOE, add the following items: ▪ CALCID — the program-ID. The CALCID must be in sequential order in PPPDOE; if the CALCID is not in the right order, then the assembler program will be unable to get storage for the program. ▪ DOEADJ — reserved. Set to **0** (zero). ▪ OCURSIZ — number of bytes in a table entry occurrence. This field represents the number of bytes needed per DOE occurrence. ▪ TABADJ — table size adjustment factor. This field represents the fixed number of bytes in the work entry portion of the table. This number is not dependent on the number of DOEs, but on the size of fields of organization information for a DOE. The system will calculate the amount of storage needed for the program with the data you provide in PPPDOE. The formula used for calculating the amount of storage is: Storage Needed = ((NODOE + DOEADJ) X OCURSIZ) + TABADJ NODOE represents the maximum number of DOEs established for the system. See example 1 following table.
2	Make the following changes in PPPASM: ▪ Establish a weak external reference (WXTRN) to your additional Skeleton program This WXTRN is used to find the appropriate CALCMAC macros in PPPDOE. ▪ In the link of your Skeleton program, the entry point will be MSAPGM. If additional Skeleton programs are created: – Complete the changes in PPPASM and PPPDOE and reassemble them. – Compile the new Skeleton program. – Relink the new Skeleton program. See example 2 following table.

Example 1 (from Step 1). (excerpt from PPPDOE as delivered)

```
000144 ****** ***************************************************************
000145 *        CALC PARAMETERS FOR PPRSKL - EMPLOYEE MASTER FILE SKELETON   *
000146 ****** ***************************************************************
000147          CALCMAC CALCID=PPRSKL,DOEADJ=0,OCURSIZ=10,TABADJ=16
000148          SPACE 2
000149 ****** ***************************************************************
000150 *        CALC PARAMETERS FOR PPRSK1 - EMPL MASTER FILE SKELETON CONSOL*
000151 ****** ***************************************************************
000152          CALCMAC CALCID=PPRSK1,DOEADJ=0,OCURSIZ=10,TABADJ=16
000153          SPACE 2
000149 ****** ***************************************************************
000150 *        CALC PARAMETERS FOR PPZxxx * - ABC SPECIAL PROGRAM             *
000151 ****** ***************************************************************
000152          CALCMAC CALCID=PPZxxx *,DOEADJ=0,OCURSIZ=10,TABADJ=16
000153          SPACE 2
000154 ****** ***************************************************************
000155 *        CALC PARAMETERS FOR PPR100 - PAYROLL REPORT GENERATE         *
000156 ****** ***************************************************************
000157          CALCMAC CALCID=PPR100,DOEADJ=0,OCURSIZ=12,TABADJ=2
000158          CALCMAC CALCID=PPR100,DOEADJ=0,OCURSIZ=28,TABADJ=34
000159          SPACE 2
```

* Where xxx is a unique user defined name.

Example 2 (from Step 2). (excerpt from PPPASM as delivered)

```
000058          WXTRN PPR201              PMRS REPORT EXT CONSOLIDATED
000059          WXTRN PPRSKL              SKELETON
000060          WXTRN PPZxxx *              SKELETON User Defined
                                  .
                                  .
                                  .
000800          DC    A(PPRSKL),CL8'PPRSKL'
000801          DC    A(PPZxxx *),CL8'PPZxxx'
```

* Where xxx is a unique user-defined name.

Loading or Unloading a Random Employee Master File (PLP000)

Overview

Employee Master File Copy Services (PLP000) is used to:

- Load a random Employee Master File from a sequential file.
- Unload the random Employee Master File to a sequential file.

File control data is updated automatically by Employee Master File Copy Services during the **load** process, unless file control processing is overridden on the HRMS Tables File.

File control data is updated during the **unload** process if the value of the output file selector is 1, 2, or 3. Updating is bypassed during the unload process if the value of the output file selector is 4.

Note: The primary difference between using Employee Master File Copy Services (PLP000) and using an operating system utility (such as IDCAMS) to load and unload the file is that Employee Master File Copy Services (PLP000) can update the file control data, if requested.

Loading and Verifying a Random Current Cycle Master (MS-1 Transaction)

To load a random current cycle Employee Master File from a sequential current cycle Employee Master File, and verify file control data from the sequential Employee Master File, enter:

Position	Value	Comment
18	**2**	Primary input is a sequential Employee Master File; verifies the file control data.
	Or	
	4	Loads the copied cycle Employee Master File **without** verifying the file control data.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**Blank**	All organizations on primary input are being processed.
21-22	**Blank**	No secondary input is present.
23	**1**	Primary output is a random Employee Master File.
24	**Blank**	Primary output is a current cycle Employee Master File.

Unloading a Random Current Cycle Employee Master File (MS-1 Transaction)

To unload a random current cycle Employee Master File to a sequential current cycle Employee Master File, enter the following information:

Position	Value	Comment
18	**1**	Primary input is a random Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**Blank**	All organizations on primary input are being processed.
21-22	**Blank**	No secondary input is present.
23	**2** Or	Primary output is a sequential Employee Master File; updates the file control data.
	4	Creates a copy of the random Employee Master File **without** updating file control data.
24	**Blank**	Primary output is a current cycle Employee Master File.

Backing Up and Restoring the Employee Master File

The method you should use to back up your random Employee Master is determined by the operating environment in your data center. Evaluate your operating environment and establish these procedures as you would for any other random file. For example, if you are operating in a database environment, the backup and restore facilities of your database management system should be used.

Methods Available

You can back up your Employee Master File using Employee Master File Copy Services (PLP000), or you can use utility programs such as the VSAM IDCAMS. The method you use to back the file up must also be used to restore the file, if needed.

Note: We recommend and support Employee Master File Copy Services (PLP000).

Frequency

The frequency with which you update the Employee Master File determines how frequently you should back it up. It is not necessary to create a backup each time the Employee Master File is updated, as long as you retain all Valid Transaction Files created since the last Employee Master File backup. If it is necessary to restore the Employee Master File from the backup, you can bring it up to date using the Valid Transaction Files.

Example

A backup is created after the weekly payroll cycle on Friday. On Monday and Tuesday, updates are executed for personnel department changes. During Wednesday's update, a system failure causes the system to abort. To restore the Employee Master File, reload the file from Friday's backup and re-execute the updates for Monday and Tuesday. This restores the file to its appearance before processing on Wednesday.

Note: If you are using the file control feature, the HRMS Tables File may need to be updated when the Employee Master File is restored. See the Rerunning a Job with File Control section.

Accessing the Employee Master File

Access Modes

Two access modes are provided for the Employee Master File:

- Random access for indexed files
- Sequential access for sequential files.

Note: Random-accessed Employee Master Files are VSAM.

File Types

You must specify your Employee Master File access mode by program type within file type. This enables you to execute updates for a random current-cycle Employee Master File and a sequential period-end cycle Employee Master File concurrently. File type allows the access mode to vary between current, period-end, and Extract/Rerun Cycle Master Files. More information on file type can be found in the *User Guide*. Within file type, program type allows the access mode to vary between maintenance programs and reporting programs. All programs which read the Employee Master File are classified as reporting, except those listed below, which are maintenance programs:

- Transaction Validate (PLP400)
- Update (PLP600)
- Payroll Compute (PLP700)
- Employee Master Utility (PLP900, PLP902, PLP903) - Sequential only
- Employee Transfer (P1P99M)
- Life-To-Date History Update (PLH700).

Considerations

The T00-002 transaction is used to specify your Employee Master File access modes. See *Transaction Descriptions* for more information. This transaction updates the HRMS Tables File. You must establish the record on the HRMS Tables File before executing any jobs that process the Employee Master File.

At run time, each program determines which access mode to use. When the Employee Master File I/O control programs (PPP990 and PPP991) are accessed to open the file, they access the HRMS Tables File and determine whether to open the random or the sequential Employee Master File.

If you are using a random Employee Master File (VSAM), all updating is done **in place**. Because of in-place updating, it is very important to have good backup and restore procedures. Refer to the section on Backing up and Restoring the Employee Master File for more information.

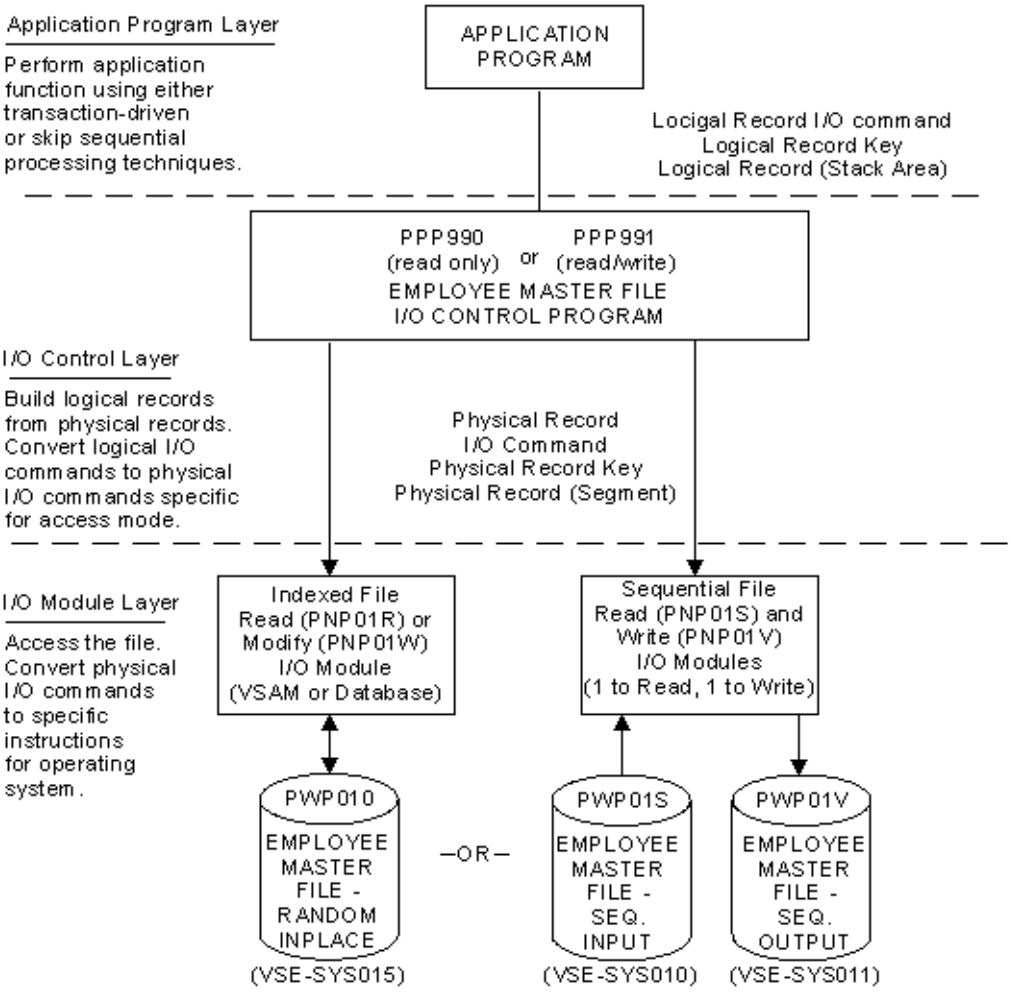
Layers of I/O Command and Control Processing

The three layers of I/O command and control processing involved in accessing the Employee Master File are listed in the following table.

Layer	Description
Application program layer	Processes in terms of logical Employee Master File records using either transaction-driven or skip sequential processing techniques.
I/O control layer	Converts logical I/O commands and records to physical commands relating to the file organization and physical segments.
I/O module layer	Converts physical I/O commands to the specific instructions required by the operating system/database and accesses the file.

Diagram

This diagram shows the three layers of I/O command and control processing:



Logical Employee Records

Transaction-driven processing and skip sequential processing are terms we use to describe the manner in which application programs seek logical employee records. These terms relate to how often a logical employee record is built in the stack area and passed to the application programs. These terms do not relate to the physical organization of the Employee Master File and how it is physically accessed. The Employee Master File Externalized I/O Control programs (PPP990 and PPP991) control building logical Employee Master File records in the stack area from physical Employee Master File records on the file.

Types of Programs

Two distinct types of programs in the HCM:E system access the Employee Master File. These two types of programs are described in the following table.

Program Type	Example	Function
Transaction-driven processing	Transaction Validate (PLP400)	Process specific employees based on transaction activity
Skip sequential processing	Payroll Compute (PLP700)	Process all employees in specific organizations based on organization control information

Transaction-Driven Processing

Transaction-driven processing programs obtain Employee Master File records for **only** those employees that have transaction activity. The following programs use transaction-driven processing:

- Transaction Validate (PLP400)
- Update (PLP600)
- Employee Transfer (P1P99M)
- Life-To-Date History Update (PLH700).

Stage	Description
1	A transaction is read.
2	The program determines whether each employee record needs to be read.
3	For each employee record which needs to be read, the employee record key and an I/O command is passed to the Employee Master File I/O Control program (PPP990 or PPP991) to get the record.
4	The I/O control program either returns the employee record in the stack area or returns a "not found" status code.

Skip Sequential Processing

The majority of other programs use skip sequential processing of the Employee Master File. In skip sequential processing, the program skips from organization header to organization header to determine which organizations to include in processing, then sequentially processes employees in those organizations selected for processing. Examples include Payroll Compute, Payroll, and Personnel report generates. This table describes process in more detail:

Stage	Description
1	The programs determine whether an organization is to be processed based on control transactions (such as the AA transaction) or organization header information (such as report generate options).
2	An organization header record key and an I/O command are passed to the Employee Master File I/O Control program to get the next organization header to be evaluated.
3	For those organizations selected for processing, I/O commands are passed to the I/O control program to sequentially retrieve each employee in the organization.

Differences

Application programs pass record keys and I/O commands for logical records to the control programs. The control programs then build the necessary record keys for physical segments and issue the required physical I/O commands to the proper I/O module. The physical I/O commands passed to the I/O module will vary depending on the physical organization of your Employee Master File. The I/O commands passed to an indexed file I/O module will be different than those passed to a sequential file I/O module.

Getting a Record

The following table describes the behavior of the system when the control programs receive a command to get a specific logical record.

If...	Then...
The Employee Master File is organized for random processing	A random read is issued to position the file and return the first segment for the logical record.
The Employee Master File is organized for sequential processing	▪ Sequential reads are issued until the first segment of the logical record is returned. ▪ In the modify control program (PPP991), both sequential reads and writes are issued for the input and output sequential Employee Master Files until the first segment is returned.

After the file is in position and the first segment is placed in the stack area, the commands used to get the remaining segments for the logical record and place them in the stack area are the same for an indexed file and a sequential file.

Changing or Deleting a Record

When PPP991 receives a command to change a logical record on an indexed file, physical I/O commands are issued to the indexed file I/O module to MODIFY existing segments, INSERT new segments and DELETE old segments that are no longer used. To change the same logical record on a sequential file, PPP991 issues an INSERT command for each segment in the logical record to the sequential file I/O module. The differences in physical I/O commands required to delete a logical record on an indexed file versus a sequential file are essentially the same as the differences just discussed for changing a logical record.

All physical I/O command differences required to process an Employee Master File organized for random processing versus sequential processing are handled by the Employee Master File I/O control programs. The logical I/O commands issued by the application programs do not vary depending on the access mode used with the Employee Master File.

Loading/Unloading Random Access Files (PLP000)

The following four functions are performed using the Employee Master File Copy Services program (PLP000), and can be processed individually or in combination. For example, you can merge and load a file simultaneously.

- Loading Random Access Files
- Unloading Random Access Files
- Extracting Organizations
- Merging Organizations.

General information about the Employee Master File Copy Services program (PLP000) and instructions for loading and unloading random access files are located in this section. Instructions for extracting and merging organizations are located in the section on Executing and Extract Run or Partial Rerun.

Inputs

The MS-1 control transaction defines the input/output files being used, the Employee Master File types and processing options. It must be present and must be the first transaction. If selected organizations are to be processed from the primary input file, one or more MS-2 transactions must be present for each organization. These MS-2 transactions must be in ascending sequence by level 1-level 2.

A maximum of two Employee Master Files can be input. These are the **primary** and **secondary** input files.

Primary Input File

The Employee Master File used as primary input can be either a sequential Employee Master File, a random Employee Master File, an extracted mater or a copied Employee Master File. A random Employee Master File can be specified as either the primary input, secondary input, or primary output. A random Employee Master File cannot be specified for more than one of the files. The Employee Master File type can be either a current, extract/rerun or period-end cycle Employee Master File. The entire file or selected organizations can be processed by use of the sweep option.

Secondary Input File

The Employee Master File used as secondary input can be either a sequential Employee Master File, an extracted Employee Master File, or a copied Employee Master File. A random Employee Master File can be used if neither the primary input nor the primary output file is specified as random. The Employee Master File type can be either a current extract/rerun or period-end cycle Employee Master File. The entire file will be processed. The option of processing only certain organizations, as in the primary Employee Master File, is not available. If an organization is on both the primary and the secondary input files, the organization on the secondary file will be written to the output file. The organization on the primary file will be bypassed. This is not an option.

Outputs

A maximum of two Employee Master Files can be output. These are the **primary** and **secondary** output files.

Primary

The Employee Master File written as primary output can be either a sequential Employee Master File, a random Employee Master File, an extracted Employee Master File, or a copied Employee Master File. A random Employee Master File can be loaded if neither the primary nor secondary input files are specified as random. The Employee Master File type can be a current extract/rerun or period-end cycle Employee Master File. The file control data will be updated, except when creating a copied Employee Master File, which is the only difference between creating a sequential Employee Master File and a copied Employee Master File.

Secondary

If a random Employee Master File is being loaded, an option is available to create a copied Employee Master File. This option is not valid for any other primary output file.

File Control

File control data will be verified for all input files except for copied files (selector value of 4). File control data will be updated for all output files, except copied files (selector value of 4). You should consider this when deciding the files to select. For more information, see the section on File Control.

File Selectors and Types

The following table shows the relationship between the external file name and the file selector code that is entered in the MS-1 control transaction.

Selector	File Name	Input File (MVS/VSE)	Output File (MVS/VSE)
1	Random Employee Master File	PWP010 / SYS015	PWP010 / SYS015
2	Sequential Employee Master File	PWP01S / SYS010	PWP01V / SYS011
3	Extracted Employee Master File	PWP00S / SYS016	PWP00V / SYS017
4	Copied Employee Master File	PWP20S / SYS018	PWP20V / SYS019

Restrictions

Certain restrictions apply to your choice of input and output file selectors:

- A random Employee Master File can only be used as one file: primary input, secondary input, or primary output.
- The primary and secondary input selectors cannot specify the same file selector.
- Copied Employee Master File output cannot be specified if secondary input is present.
- Secondary input is invalid when using a copied Employee Master File to load a random Employee Master File.
- An extracted Employee Master File can be created only when the primary input sweep option is selected.

Valid Combinations of File Types

Only certain combinations of Employee Master File types (current, rerun, or period-end cycle) can be specified. This table shows the valid combinations of values.

Primary Input	Secondary Input	Output
Current	Blank	Current
Current	Extract/Rerun	Current
Current	Blank	Extract/Rerun
Current	Extract/Rerun	Extract/Rerun
Extract/Rerun	Blank	Extract/Rerun
Period-end	Blank	Extract/Rerun
Current	Blank	Period-end
Current	Period-end	Period-end

Random Employee Master File

Loading the File

Example. Load a random Employee Master File using a current cycle sequential Employee Master File as input. The primary input is PWP01S. No secondary input file is used. The primary output file is PWP010. No copy of the input Employee Master File is desired.

Control Transactions

MS-1 Transaction:

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**2**	Primary input is a sequential Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**Blank**	Entire primary input is processed.
21-22	**Blank**	No secondary input is present.
23	**1**	Primary output is a random Employee Master File.
24	**Blank**	Primary output is a current cycle Employee Master File.
25	**Blank**	No secondary output copy is desired.

MS-2 Transaction: No MS-2 transaction is required.

Copying the File

Example. Create a sequential copy of a random Employee Master File without updating any file control data. The primary input file is PWP010. No secondary output is specified since the primary output file is not random.

Control Transactions

MS-1 Transaction:

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**1**	Primary input is a random Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**Blank**	Entire primary input is processed.
21-22	**Blank**	No secondary input is present.
23	**4**	Primary output is a copied Employee Master File.
24	**Blank**	Primary output is a current cycle Employee Master File.

MS-2 Transaction: No MS-2 transaction is required.

Executing an Extract Run/Partial Rerun

In some situations, you might want to process a portion of the organizations on an Employee Master File. An **extract run** is executed to select the appropriate organizations. After the extract run is executed, you can process the selected organizations or rerun a cycle to correct errors. Rerunning a cycle on a selected portion of the organizations on the Employee Master File is called executing a **partial rerun**.

Extract runs can be used to facilitate processes you use on a regular basis. For example, if the Employee Master File contains 50 organizations, but load/validate/update/compute is run daily for 10 of the organizations on the Employee Master File, you can execute an extract run each day to select the 10 organizations. Then a normal processing cycle is executed for those organizations on the Extract/Rerun Cycle Employee Master File

Partial reruns can be used to correct errors. For example, if load/validate/update/compute was run for 10 organizations, but some time entry transactions were left out for 1 of the 10 organizations, you can execute an extract run to select the organization that contains the errors, then rerun the cycle.

The Employee Master File Copy Services program (PLP000) is used to extract organizations. General information about this program is located in the section on Loading/Unloading Random Access Files.

Process

To execute an extract run or partial rerun, follow these steps:

Step	Action
1	Obtain a copy of your Employee Master File.
2	Create an Extract/Rerun Cycle Employee Master File.
3	Run/Rerun the Cycle.
4	Merge the Extract/Rerun Cycle Employee Master File.

Each of these steps is described in detail in the following sections.

Steps

Obtain a Copy of Your Employee Master File

Before you can execute a partial rerun, you must obtain a copy of your Employee Master File as it appeared just before the cycle was executed. You can use:

- A sequential copy of your random Employee Master File made by Employee Master File Copy Services program (PLP000) just prior to execution
- Your sequential Employee Master File used as input to the cycle
- Your random Employee Master File restored to its appearance before the updating.

Follow these steps to obtain a copy of your Employee Master File:

Step	Action
1	Use Employee Master File Copy Services (PLP000) to extract the organization(s) to be rerun from the copy of your Employee Master File before updates.
2	Bypass file verification (because the copy of the Employee Master File you used to create the extract/rerun Employee Master File is before updates).
3	If your copy of the Employee Master File is a sequential file, it can be used as primary input to PLP000 with a file selector value of 4 to bypass file control. If you do not have a sequential copy, you must enter a one-time override of all file control verification on the HRMS Tables File using the T01-001 transaction.
4	Execute Employee Master File Copy Services with the MS-1 transaction primary input options (positions 18-20) identifying your Employee Master File copy with the sweep option of **S**. The MS-1 primary output options (positions 23-24) must specify file selector value **3** and file type value **R**.

Create an Extract/Rerun Cycle Employee Master File

Use Employee Master File Copy Services (PLP000) to create an extract Rerun Master File that includes the organizations to be run. Identify your inputs and output on the MS-1 transaction as follows:

- The primary input options must identify your current cycle Employee Master File. An **S** is necessary in the sweep option to indicate that selected organizations are being extracted.
- The primary output options identify your Extract/Rerun Cycle Employee Master File.

Note: The organizations selected for the Extract/Rerun Cycle Master must be identified using MS-2 transactions. One MS-2 must be entered for each level 1-level 2 you want to process. The MS-2 transactions must be entered in sequence by level 1-level 2.

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**4**	Primary input is a sequential copy.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**S**	Specific organizations are being selected from your primary input.
21-22	**Blank**	No secondary input is present.
23	**3**	Primary output is an extracted Employee Master File.
24	**R**	Primary output is an Extract/Rerun Cycle Employee Master File. Extract/Rerun the Cycle.

MS-2 Transaction.

Position	Value	Description
1-2	**MS**	
3-4	**Level 1**	Level 1 to be selected from primary input.
5-6	**Level 2**	Level 2 to be selected from primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Run/Rerun the Cycle

The Extract/Rerun Cycle Employee Master File created in Step 1 above is now used to process the selected organizations (Extract Run) or to re-execute the cycle in error (Partial Rerun). The IC and A* transactions must be used to identify that an extract/rerun cycle is being executed. If transactions on the Loaded Transaction File need to be reapplied to the Extract/Rerun Cycle Employee Master File, the recycle feature of the Transaction Load (PLP200) can be used to make any required corrections. The IC transaction must indicate that an extract/rerun cycle is to be run. Transaction Validate (PLP400) will reject all transactions on the file for the organizations that are not on the Extract/Rerun Cycle Employee Master File.

After the necessary updates are made to the Extract/Rerun Cycle Employee Master File, the Employee Master File can be used to regenerate the required reports. The A* transaction must be used to identify that an Extract/Rerun Cycle Employee Master File is being processed.

Merge the Extract/Rerun Cycle Master Back

The last step is to merge your Extract/Rerun Cycle Employee Master File with your current Employee Master File. Use Employee Master File Copy Services (PLP000) for this merge. Identify your inputs and outputs on the MS-1 transaction as follows:

- The primary input must identify your current cycle Employee Master File.
- The secondary input must identify your Extract/Rerun Cycle Employee Master File.
- The primary output must identify your merged, current cycle Employee Master File; the file selector must be either **1** or **2** in order to update file control information correctly on the HRMS Tables File.

Example. To merge a sequential Extract/Rerun Cycle Employee Master File onto a sequential copy of a current cycle Employee Master File and reload your random, current cycle Employee Master File, use the following MS-1 transaction as input into Employee Master File Copy Services (PLP000).

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**4**	Primary input is a sequential copy.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**Blank**	All organizations on primary input are being processed.
21	**3**	Secondary input is an extracted Employee Master File.
22	**R**	Secondary input is an Extract/Rerun Cycle Employee Master File.
23	**1**	Primary output is a random Employee Master File.
24	**Blank**	Primary output is a current cycle Employee Master File.

MS-2 Transaction. No MS-2 transaction is required.

Examples

Example 1

Creating an Extract/Rerun Cycle Employee Master File

Write an Extract/Rerun Cycle Employee Master File for the purpose of doing a partial rerun or executing an extract run. For example, organization A1B1 is to be extracted and written to the primary output file PWP01V for the purpose of rerunning the pay cycle. Since the input file is not the current version of the Employee Master File, but is a copied sequential version of the file, previously taken as a backup, the primary input file is PWP20S so that file control data will not be verified. The file control data for the A1B1 extract/rerun Employee Master File will be updated on the HRMS Tables File.

Control Transactions

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**4**	Primary input is a copied Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**S**	Specific organizations are being selected from your primary input.
21-22	**Blank**	No secondary input is present.
23	**2**	Primary output is a sequential Employee Master File.
24	**R**	Primary output is an Extract/Rerun Cycle Employee Master File.

M-2 Transaction.

Position	Value	Description
1-2	**MS**	
3-4	**A1**	**A1** is the level 1 to be selected from the primary input.
5-6	**B1**	**B1** is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	

Example 2

Merging the Extract/Rerun Cycle Master with the Current Cycle Master

Write a current cycle sequential Employee Master File, PWP01V, updating the HRMS Tables File controls. The output file selector is **2**. The input files are a current cycle sequential Employee Master File, PWP01S, for primary input and an extract/rerun cycle Employee Master File, PWP00S, as secondary input. The file control data on both input files will be verified. The extract/rerun cycle Employee Master File is used as secondary input so that the organizations on the extract/rerun file are written to the output file instead of the corresponding organizations on the primary input.

Control Transactions

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**2**	Primary input is a sequential Employee Master File.
19	**Blank**	Primary input is a Current Cycle Employee Master File.
20	**Blank**	Entire primary input is processed.
21	**3**	Secondary input is an extracted Employee Master File.
22	**R**	Secondary input is an Extract/Rerun Cycle Employee Master File.
23	**2**	Primary output is a sequential Employee Master File.
24	**Blank**	Primary output is a current cycle Employee Master File.

MS-2 Transaction. No MS-2 transaction is needed.

Building a Period-End Cycle Employee Master File (PLP000)

Description

A period-end cycle Employee Master File is a file composed solely of organizations that have ended a quarterly or yearly reporting period. To create a Period-End Cycle Employee Master File, add each organization from your current cycle Employee Master File as it ends the period. Final Payroll accounting (adjustments) can then be made to organizations on your period-end cycle Employee Master File while you process these same organizations on your current cycle Employee Master File in the usual manner. After all corrections have been made, period-end reports (1099-Rs, W2s, T4s, etc.) can be produced from your period-end cycle Employee Master File.

This technique is not required for period-end processing. However, it can be helpful under one or more of the following conditions:

- Organizations on your current cycle Employee Master File need to run the first payroll of the next period and have not completed corrections and produced reports for the period just ended.
- Your have several organizations on your current cycle Employee Master File and they complete the period at different times.
- Your current cycle Employee Master File is randomly organized.
- You are using the system's file control feature.

If all organizations on your current cycle Employee Master File complete period-end corrections and produce period-end reports before they need to run the first payroll of the next period, a period-end cycle Employee Master File does not need to be created; the current cycle Employee Master File can be corrected and reported.

Process

Building a Period-End Cycle Employee Master File is a three-step process:

Step	Action
1	Create the first Period-End Cycle Employee Master File for the period.
2	Add additional organizations to the Period-End Cycle Employee Master File.
3	Make final changes and report.

These steps are described in the following sections.

Steps

Create the First Period-End Cycle Employee Master File for the Period

When the first set of organizations has ended the period, copy them from your current Employee Master File to create your first period-end cycle Employee Master File. Use Employee Master File Copy Services (PLP000) for this purpose.

You must identify your primary input and output using the MS-1 transaction as follows:

- Primary input options must identify your current cycle Employee Master File; to copy selected organizations, the sweep option (Position 20) must be **S**.
- Primary output options must identify your extracted, period-end cycle Employee Master File; Positions 23-24 must be **31**.
- You must identify each organization to copy (if you are not copying the entire file) on a MS-2 transaction.

Example. To copy organizations AF03 and AF04 from a random current Employee Master File containing 10 organizations and create your first period-end cycle Employee Master File, enter the following transactions:

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**1**	Primary input is a random Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**S**	Specific organizations are being selected from your primary input.
21-22	**Blank**	No secondary input is present.
23	**3**	Primary output is an extracted Employee Master File.
24	**P**	Primary output is a period-end cycle Employee Master File.

MS-2 Transactions. The following MS-2 transactions are required. They must be entered in alpha-numeric order.

Position	Value	Description
1-2	**MS**	
3-4	**AF**	**AF** is the level 1 to be selected from the primary input.
5-6	**03**	**03** is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Position	Value	Description
1-2	**MS**	
3-4	**AF**	**AF** is the level 1 to be selected from the primary input.
5-6	**04**	**04** is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Add More Organizations to the Period-End Cycle Employee Master File

As subsequent organizations end the period, copy them from your current cycle Employee Master File and merge them onto the most recent copy of your period-end cycle Employee Master File using Employee Master File Copy Services (PLP000).

The MS-1 transaction used for this copy/merge function is identical to the MS-1 used in Step 1, with one exception. You must also identify your input period-end cycle Employee Master File as the secondary input (positions 21-22). MS-2 transactions must be used again to identify the additional organizations.

Note: If you enter an MS-2 for an organization that is found in both the primary input file and secondary input file, the organization on the secondary input file will be copied to the primary output file.

Example. To copy organization AF05 and merge it into the Employee Master File created in Step 1, enter the following information:

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**1**	Primary input is a random Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**S**	Specific organizations are being selected from your primary input.
21	**3**	Secondary input is an extracted Employee Master File.
22	**P**	Secondary input is a period-end cycle Employee Master File.
23	**3**	Primary output is an extracted Employee Master File.
24	**P**	Primary output is a period-end cycle Employee Master File.

MS-2 Transaction.

Position	Value	Description
1-2	**MS**	
3-4	**AF**	**AF** is the level 1 to be selected from the primary input.
5-6	**05**	**05** is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Make Final Changes and Report

Use the period-end cycle Employee Master File created in Step 1 or subsequent executions of Step 2 to make any period-end maintenance or adjustment changes and to produce period-end reports. To make changes to the period-end cycle Employee Master File, perform the following steps:

Step	Action
1	Enter an IC transaction indicating that a period-end cycle Employee Master File is being processed into Transaction Load (PLP200) with the maintenance transactions.
2	Enter an A* transaction into the appropriate report generator.

Creating a Period-End Cycle Employee Master File

Write a period-end cycle Employee Master File, PWP01V, using a current cycle random Employee Master File, PWP010, as primary input. The output file is to contain organizations AF03 and MS02.

Control Transactions

MS-1 Transaction.

Position	Value	Description
1-2	**MS**	
3-16	**Blank**	
17	**1**	
18	**1**	Primary input is a random Employee Master File.
19	**Blank**	Primary input is a current cycle Employee Master File.
20	**S**	Specific organizations are being selected from your primary input.
21-22	**Blank**	No secondary input is present.
23	**2**	Primary output is a sequential Employee Master File.
24	**P**	Primary output is a period-end cycle Employee Master File.

MS-2 Transactions. The following MS-2 transactions are required. They must be entered in alpha-numeric order.

Position	Value	Description
1-2	**MS**	
3-4	**AF**	**AF** is the level 1 to be selected from the primary input.
5-6	**03**	03 is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Position	Value	Description
1-2	**MS**	
3-4	**AF**	**AF** is the level 1 to be selected from the primary input.
5-6	**04**	04 is the level 2 to be selected from the primary input.
7-16	**Blank**	
17	**2**	
18-80	**Blank**	

Creating or Converting an Employee Master File

The Employee Master File Utility programs (PLP900, PLP902, and PLP903) enable you to use the following functions:

Program	Function or Functions
PLP900	▪ Create an initial Employee Master File. (Option 18 on the IU transaction) ▪ Correct and print organization and file trailer totals. (Option 21 on the IU transaction). Converts from HR98.20 to HR01.15 (Option 20 on the IU transaction) after installing the HR01.15 release.
PLP902	Convert an Employee Master File from HR93.09 through HR9606/HR9701SR to HR97.03 after installing the HR98.20 release.
PLP903	Convert an Employee Master File from HR97.03 to HR98.20 after installing the HR98.20 release.

Selecting the File Access Mode

The Employee Master File Utility programs are specifically designed to process **only** a sequential Employee Master File. You must set the access mode for maintenance programs to Sequential on a T00-002 transaction in the HRMS Tables File before executing any of the Employee Master File Utility programs. If you do not have a sequential copy of your Employee Master File, you can use Employee Master File Copy Services, PLP000, to create one.

Regardless of the options you have selected from the program, a new sequential file will be created in the PWP01V external file identifier.

File Types

Current, period-end and Extract/Rerun Cycle Employee Master Files can be processed by the Employee Master File Utility. To process a period-end or Extract/Rerun Cycle Employee Master File, you must enter an A* transaction. The program assumes that a current cycle Employee Master File is being processed if no A* is present.

Selecting Functions

The IU transaction controls the functions performed by the Employee Master File Utility program. To turn an option on, place an * in the appropriate field. To turn an option off, leave the field blank. If none of these options is selected, the Employee Master File is read and written and the trailer counts are printed.

The options and their functions are:

Program	Option	Function
PLP900	Create Initial Employee Master File	Create an initial Employee Master File containing a file header and file trailer record only. If you turn this option on, you may not select any other options.
PLP900	Override File Control	Override all file control verification and updating.
PLP900, PLP902, PLP903	Initialize Employee Master File Fields	Initialize new fields added to the Employee Master File by update bulletins and new releases.
PLP900	Correct Trailer Counts	Correct trailer counts if the counts do not match accumulated counts. Instructions are found in the *User Guide*.
PLP900, PLP902, PLP903	Convert Employee Master File	Convert Employee Master File from releases mentioned.

These options are discussed in greater detail in the following sections.

Functions

Creating an Initial Employee Master File (PLP900)(Position 18)

This initial Employee Master File is used as input to your first maintenance cycle when you are adding your first organizations and employees to the Employee Master File. When this option is selected, all other options must be blank. A current cycle Employee Master File will be created containing a file header record and a file trailer record only. This initial Employee Master File is used as input to your first maintenance cycle when you are adding your first organizations and employees to the Employee Master File.

Overriding File Control Processing (PLP900) (Position 19)

This option causes all file control verification and updating to be bypassed. It is an override to the file control data set up in the HRMS Tables File. The option can be useful if you have copies of the Employee Master File you want to convert through the current release of the system. This option causes all file control verification and updating to be bypassed. It is an override to the file control data on the HRMS Tables File. The option can be useful if you have old copies of Employee Master Files that you want to convert through the current release of the system.

Initialize Employee Master File Fields (Position 20)

If an update bulletin or new release requires an Employee Master File conversion, a job will be provided to execute one of the Employee Master File Utility programs. The file-converted-through-bulletin number field in the file header record will contain the update bulletin number after completion of the conversion. This field is evaluated by all programs that read the Employee Master File to ensure that the file has been converted through the appropriate level for the application programs. If it is not at the required level, the application program terminates processing immediately and issues the message **NOT CURRENT THROUGH UB**.

PLP900 uses this option (Position 20 on IU) to convert your Employee Master File (after installing HR01.15).

PLP900 (Convert from HR98.20 to HR01.15)

PLP902 (Convert up to the HR97.03 release)

PLP902 uses this option (position 20 on IU) to convert your Employee Master File (after installing HR98.20 Year 2000 release). You can convert any file that is current through HR93.09, HR96.06, or 97.01SR and bring it up to an HR97.03 release number.

PLP903 (Convert from the HR97.03 to the HR98.20 release)

PLP903 **does not** use the IU transaction. PLP903 converts your Employee Master File (after installing HR98.20 Year 2000 release) from an HR97.03 release level to an HR98.20 release number.

Creating and Maintaining the HRMS Tables File

Creating a File

The first step in creating an HRMS Tables File is to define an indexed dataset using IDCAMS DEFINE. Once the dataset is established, application transactions can be loaded by executing PLV100, PLV170, and PLV300.

The initial loading procedure is different from subsequent execution procedures. It is essential that the initial load contains a CTL control transaction and that this control transaction contains the value LOAD in the update type option. This must be the first transaction entered and must be followed by all application transactions to be added. Due to the technical aspects of handling indexed files, we recommend on the initial building of the HRMS Tables File (load mode) that you submit as many of your total transactions as possible.

Input to PLV100 consists of a CTL control transaction followed by application transactions. Once the HRMS Tables File is loaded, any subsequent updates to the file do not require a CTL control transaction. Since it and its features become optional, the system builds one by default. But, if a CTL control transaction is entered, it must be the first transaction, and it cannot contain a LOAD in the update type option.

Maintaining a File

The application transactions are edited for a valid maintenance code. Accepted transactions are prefixed by a sort key built from the input transaction. Output from PLV100 is the CTL control transaction and the accepted transactions. The Run Control Page, the Input Transaction List and the Input Transaction Summary reports reflect the input and output of PLV100. The transactions output from PLV100 are input to sort program PLV170.

The transactions output from PLV170 are input to the maintenance program PLV300. This program updates the HRMS Tables File with add, change or delete transactions. Each application transaction is edited and validated. Once the transaction has been edited and validated, the HRMS Tables File is updated unless a CTL transaction is entered specifying validate only for the validate/update option. If no CTL transaction is entered, the System assumes the file is to be updated. The Transaction Validation and File Maintenance reports reflect the input and output of PLV300.

After the HRMS Tables File is created, it is the technical user's responsibility to back up and reorganize the file with available utilities. The file is updated by the maintenance program PLV300, by file control procedures when the Employee Master File is processed, and by entering data using the delivered Realtime screens.

Initializing Check Reconciliation and Earnings History Master Files

To initialize the Check Reconciliation Master File or Earnings History Master File, input this transaction into program P1P97M. This transaction does not contain a transaction code.

Transaction Description

Positions	Field Name	Required	Data Description	
1	Reserved	R	AN	**Blank**
2	Initialize Check Reconciliation Master File (PWN01V / SYS014)	R	AN	**0** = Do not initialize **1** = Initialize Check Reconciliation Master File
3	Reserved	R	AN	**Blank**
4	Initialize Earnings History Master File (PWE01V / SYS012)	R	N	**0** = Do not initialize **1** = Initialize Earnings History Master File
5-80	Reserved	R	AN	**Blank**

The Common Date Routine

Date Processing

To accommodate the change in century, all dates are expanded and stored on the Employee Master File to include the century as part of the four digit year.

Some dates, such as run dates are **not** expanded on the transactions. Demographic dates such as Birth date, Hire date, Termination date, and Re-Hire date are expanded to include a four-position year on the transaction.

Date Subroutines

All dates are validated, including Julian dates. PPDATE is a program called by the batch, Online, and realtime programs to validate all dates. The program validates for leap year, for the month to be between 01 and 12, and for days per month to be 31, 30, 29, or 28, depending on the month. This date subroutine is used for all batch, Online and Realtime date checking.

When messages are issued for invalid dates, they are not defined to each area of the date, but the message states that the entire date is invalid.

If the date is not numeric or if it is less than zero, the program moves zeros to the date field and a message is issued.

PPDATE contains options used to indicate whether a date that needs interpretation should use the 20/80 rule or the 80/20 rule.

80/20 Rule

Used for Demographic Dates

If...	And...	Then...
Year entered = System Date Year		Century = System Date Century
Year entered does not equal the System Date Year	Year entered is between 20-99	Century = 19
Year entered not equal to the System Date Year	Year entered is between 00-19	Century = 20

20/80 Rule

Used for Run Dates

If...	And...	Then...
Year entered = System Date Year		Century = System Date Century
Year entered does not equal the System Date Year	Year entered is between 80-99	Century = 19
Year entered not equal to the System Date Year	Year entered is between 00-79	Century = 20

Transaction Validation

The Validation listing (PLP400) reflects the actual transaction entered.

Batch Transactions

Transactions that are entered with a two digit year have been expanded to four digits on the Employee Master File and Position Control Employee Master File when Central System Update (PLP600) and Position Control Update (MPP00R) is executed.

The File Maintenance report (PLP600) and the Compute Activity report (PLP700) show all dates as they are expanded and reside on the Employee Master File.

Standard Reports

Dates on the reports are displayed with a four digit year. All dates on checks and deposits contain the century. All dates that print on reports have been expanded except as noted for the Transaction Validation listing (PLP400). For the dates that are not displayed with four digits, a heading showing how the dates are displayed was added to the reports to help clarify the year.

Example. YYMMDD 01/01/02

Online/Realtime Screens

All date fields appearing on the Online and Realtime screens are displayed with a four-digit century. The Year 2000 *Migration Guide* and Online Help text contain additional comments on date formats.

4 Maximizing System Efficiency

Chapter Contents

4-1 Introduction
4-2 Operational Procedures
4-3 Proportion of Employees
4-4 File Organization
4-8 Tax Tables
4-11 Tax Reference Loader/Tax Audit

Introduction

This chapter can help you determine the most efficient way for your organization to process data using the HCM:E system.

Operational Procedures

The following operational procedures influence your choice of execution options.

Execution Frequency

The system can efficiently execute both daily validates with one update per pay cycle and/or daily validates with daily updates of static information. You might consider frequent (possibly daily) Validate (PLP400) and Update (PLP600) executions.

Multiple Employee Master Files

Using multiple Employee Master Files for multiple organizations is not as efficient as using a single Employee Master File containing all organizations. Analyze whether your organization can best benefit from processing organizations together or separately. Because the Transaction Validation (PLP400) and Update (PLP600) programs process only those employees with activity, processing separate organizations on a multiple organization Employee Master File can be more efficient than processing separate Employee Master Files.

Proportion of Employees

The proportion of employees is defined as the number of employees being processed with activity in this cycle relative to the total number of employees in the Employee Master File. This proportion affects how efficiently your system runs. You need to analyze the number of employees in the following programs:

- Transaction Validate (PLP400)
- Update (PLP600)
- Compute (PLP700)
- Reporting Programs.

The number of employees being processed in these programs is defined as follows:

Program	Number of employees being processed equals:
Transaction Validate	Number of employees for whom transactions are entered
Update	Number of employees for whom maintenance transactions are entered
Compute	Number of employees in organizations for which AA transactions are entered.
Reporting	Number of employees for whom reports are being produced

You can use these numbers to determine how best to run your system as discussed in the File Organization section in this chapter.

File Organization

The Employee Master File can be organized sequentially or randomly and copies of each can exist at the same time. For each cycle you process, you can select, at processing time, whether you want the file organized sequentially or randomly. The selected organization can vary from one program to another, or from one cycle to another.

To change the organization of your file between executions, you must execute Employee Master File Copy Services (PLP000). If you unload (backup) a random Employee Master File to sequential Employee Master File in the middle of a validate/update/compute cycle, be sure to use the correct output option of the copy services program to avoid updating file control information. If file control information is updated, the next program in the cycle will terminate immediately. The Employee Master File Copy Services Program (PLP000) is discussed in Chapter 3, Managing Major System Files.

Execution Program Types

You can execute validate, update, compute, and reports individually or in combinations that can improve efficiency. The following types of executable programs discussed here:

- Transaction Validation (PLP400)
- Update (PLP600)
- Compute (PLP700)
- Reporting.

Transaction Validation

Transaction Validation (PLP400) processes, in a transaction-driven mode, only employees with transaction activity for the Employee Master File. Frequent low activity executions can be an efficient operating procedure. If you have one or many organizations in your Employee Master File, you may want to consider letting each organization submit its data in separate executions, on its own time schedule.

This table provides guidelines for choosing which Employee Master File organization to use.

If the Proportion of Employees is...	Then...
Low	A randomly organized file could be more cost efficient than a sequentially organized file.
High	A sequentially organized file could be more cost efficient.

Update

The Update program (PLP600), like Transaction Validate (PLP400), processes in a transaction-driven mode. Update processes static maintenance transactions only. It may be advantageous for you to process more frequent validate/update executions between pay cycles.

This table provides guidelines for choosing which Employee Master File organization to use.

If the Proportion of Employees is...	Then...
Low	A randomly organized file could be more cost efficient than a sequentially organized file.
High	A sequentially organized file could be more cost efficient.

Because the proportion of employees being processed in an execution is almost the same in both Validate and Update, it is likely that the same file organization (random or sequential) will be appropriate for both programs. When a high volume of additions is being entered, such as adding a new organization and its employees, a sequential Employee Master File would be more cost efficient.

Compute

Compute (PLP700) processes in a skip-sequential mode. Only organizations for which an AA transaction is entered are processed. All employee records for that organization are retrieved. As a result, Compute can process fewer employee records than are actually in your Employee Master File.

This table provides guidelines for choosing which Employee Master File organization to use.

If the Proportion of Employees is...	Then...
Low	A randomly organized file could be more cost efficient than a sequentially organized file.
High	A sequentially organized file could be more cost efficient.

If you are processing a low proportion of employees in Validate and Update, and a high proportion in Compute, you may find it cost effective to convert from a randomly organized file (used in validate/update executions), to a sequentially organized file for Compute processing. However, the added expense of executing Employee Master File Copy Services to convert the file and the effort required to coordinate conversions may outweigh any processing savings for your environment.

Note: If you do not enter static maintenance transactions during a pay/adjustment run, the Update program does not have to be run. However, if you do run the Update program, AA transactions are the only transactions processed, resulting in extremely fast processing of the program.

Tips for Minimizing Processing and Costs

To avoid unnecessary processing in Compute and save processing costs, consider the following points:

- Do not enter AA transactions for organizations which are not executing a payroll. Compute processes every employee in organizations with AA transactions present. Save adjustments transactions and process them when the organization is executing a payroll.
- Check that the Labor Distribution options on the S1-1 and the General Ledger Interface CS-3 transaction are set correctly. If you do not need to process Labor Distribution or General Ledger Interface, setting these transactions can eliminate generating unnecessary detail records from Compute (PLP700).

DOE Type Codes

Processing excludable deductions for employees is another area you need to consider for efficient Compute executions. The following table describes the effect that different employee level type codes have on the performance of Compute when processing excludable deductions (organization level DOE types D, G, or K).

If You Choose to…	Then Compute...
Take as much of a deduction as possible out of this pay cycle (employee level type codes **P**, **S**, or **D**),	May have to recalculate taxes and taxable wages up to five times to determine the maximum amount of deduction possible this pay cycle and move the remainder to arrears.
Take all of a deduction and there is not enough pay in this cycle (employee level type codes **A**, **B**, or **N**)	Recalculates taxes and taxable wages once and moves the entire amount of the deduction to arrears.

Reporting

Reporting executions are made up of report generate and report print programs. The report generate programs process in a skip-sequential mode. Employees in organizations for which reports are requested are the only employees retrieved from the Employee Master File or Payroll Reporting Detail File.

A randomly organized Employee Master File is usually more cost-efficient to use for reporting unless the entire file is being reported.

I.E. Reporting

When reporting using I.E., use a run-time statement to select specific Level 1-Level 2s against a random Employee Master File.

Tax Tables

Because accessing tax tables is a primary function of the Payroll System and can impact your system's operating characteristics, the system enables you to change the configuration of the tax processor to improve the efficiency of the Compute program.

Process

The function of the tax processor is described in the following table:

Stage	Description
1	The tax processor reads at least one calculation formula from the Tax Formula file for each taxing authority calculation required by your payroll execution. To minimize these external I/O accesses, and to improve program execution time, the formula is moved into a memory-resident table with each external read. When a formula is needed, the processor first looks to that internal table. If the formula is not found, then the external read is performed.
2	Each time the processor looks to the table, a sort is performed to move the more frequently used formulas to the top of the table. If an external read for the formula is required and the table is full, the least frequently used formula will be bumped out of the table in favor of the one just read.
3	By adding a $RETAIN command to the tax calculation source of any formula, you can identify to the processor formulas you never want bumped from the internal table. For instance, if 95% of your employees are taxed in the state of California, the California formula would be an excellent candidate for use of the $RETAIN command. This ensures that more than one read will never be required for the commonly used formula. ▪ You can use the $RETAIN command by entering **$RETAIN YES** in a line in the module. ($RETAIN must come after TAX-IDENTIFICATION and before TAX-END. $RETAIN and YES must be the only words on the line. The $ symbol goes in column 1.) Do this to fewer total modules than you have room for in the in-core table. Remember that each authority usually has at least two modules. ▪ You can enter **$RETAIN NO** in a module to indicate that it may be overwritten. The effect is the same as not entering a $RETAIN line.
4	The table is set to five occurrences, meaning that five tax formulas can be stored in the table. With the sixth read of the Tax Formula File, one of the previously stored formulas will be bumped from the table. Because the taxing authorities average approximately two formulas each, the table as delivered is large enough to accommodate formulas for federal taxing and two or three states. Taxing in more than a couple of states could, therefore, necessitate multiple reads of tax formulas.

Considerations

- The ideal solution, as far as execution time is concerned, is to increase the number of occurrences in the table to accommodate storage of all formulas on the Tax Formula File (125 to 150).
- However, doing so could have a significant impact on your computer system's storage resources because the addition of each occurrence adds 3,322 bytes to the load module size of Compute (PLP700). A better solution for most (not all) data processing shops will be to arrive at some compromise, a tradeoff between execution time and load module size. A starting point for determining a good table size for your organization would be to allow for storage of approximately 50% of the formulas needed for your specific payroll requirements. Multiple test executions in your own environment, slightly increasing or decreasing the table size each time would then lend some objectivity as to the cost/benefit relationship in changing the table size.
- Keep in mind that it is the degree of random processing of geographic areas that determines the need for a large table. For an organization that pays in ten states, but with an extremely high concentration in one or two states, increasing the table size from 5 to 150 may show no significant improvement in execution time. By the same token, an organization that pays equally as many employees in each of ten states, whose employees are dispersed randomly on the Employee Master File (as far as geographic location), may find that increasing the table size from 5 to 20 occurrences will cut execution time in half.
- The maximum table size allowed by IBM permits you to increase the table size to a maximum of 39 occurrences.
- The table size is altered by changing two lines of COBOL source in copybook ATCWTC. The block of code containing those lines is shown in the following section.

Implementing the Changes

To implement these changes, you must recompile program ATCBTC and relink executable module PLP700.

Copybook ATCWTC (Excerpt)

```
008000 01     ATCWTC-TABLE-RECORDS
008100
008200* ******************************************************
008300* *                                                    *
008400* * STORAGE AREA FOR THE MOST RECENTLY USED TAX TABLES  *
008500* *                                                    *
008600* * FOR PAYROLLS WHICH TAX EMPLOYEES IN MANY STATES OR  *
008700* * LOCALITIES IT MAY BE DESIRABLE TO INCREASE THIS     *
008800* * STORAGE AREA. REFER TO THE TAX REFERENCE GUIDE      *
008900* * FOR DETAILS ON THIS SUBJECT.                        *
009000* *                                                    *
009100* * NOTE: IF INCREASING THE STORAGE AREA, YOU MUST:     *
009200* *     1. SET THE VALUE CLAUSE FOR                    *
009300* *        ATCWTC-TABLE-MAX-ENTRIES TO THE SIZE OF THE  *
009400* *        AREA                                        *
009500* *     2. CHANGE THE VALUE OF THE OCCURS CLAUSE       *
009600* *        IN ATCWTC-TABLE-AREA TO THE SAME VALUE      *
009700* *                                                    *
009800* * THESE TWO VALUES MUST BE IDENTICAL.                 *
009900* *                                                    *
010000* * UNDER NO CIRCUMSTANCES SET THESE VALUES TO          *
010100* * ANY VALUE LESS THAN 5.                              *
010200* *                                                    *
010300* ******************************************************
010400
010500  12 ATCWTC-TABLE-STATUS.
010600     16 ATCWTC-TABLE-MAX-ENTRIES     PICTURE S99 VALUE +5
010700                                                  COMP.
010800  12 ATCWTC-TABLE-AREA OCCURS 5 TIMES INDEXED BY
010900                       ATCWTC-TABLE-INDEX.
```

Tax Reference Loader/Tax Audit

To make the implementation process for IBM VSE users easier, the Reference Information Loader (PLPBMR) is configured to read the delivered reference information transactions directly from tape. However, as this program will be run often in maintenance of the reference information, you may want to change the program to accept input from some other device. For this reason, we have provided an alternative select clause and file description copybook that you can substitute for the standard copybooks in the Reference Information Loader (PLPBMR) and also in the Audit Report program (PLPBRP). By changing the copy statements in the ATCBMR and ATCBRP root programs, you can tailor these programs to your environment. A table containing the standard and alternative copybook follows.

Note: This does not apply to IBM MVS users because MVS permits JCL overrides.

Input	Select Clause	File Description
Unit Record	ATISCS	ATIFCS
Tape	ATISC2	ATIFC2
Disk	ATISC3	ATIFC2

- Unit Record is standard for Program ATCBRP (executable module PLPBRP).
- Tape is standard for Program ATCBMR (executable module PLPBMR).

5 Reporting Functions

Chapter Contents

5-1 Introduction
5-2 Installation Audit Reporting
5-5 Running the Check Writer
5-10 Supplemental Check Records
5-13 Using the Employees Not Paid Program
5-14 Adapting User Code for Regulatory Reporting
5-21 U.S. Regulatory Reporting
5-23 Canadian Regulatory Reporting
5-29 User Exits

Introduction

This chapter discusses various reporting functions. It focuses on generating checks and producing regulatory reports.

Installation Audit Reporting

The Installation Audit process provides technical users with information about updates delivered by HCM:E and installed by clients for bulletin collections and product update bulletins.

Process

All updates that have been issued are listed on the Installation Audit Control section of the HRMS Tables File by Bulletin Collection and include the Update Number, Type of Update, Date Issued, Date Applied, Description, and the Bulletin Update. The Installation Audit Control section of the HRMS Tables File can be printed using the RUN transaction AUD option.

Various types of updates are listed for Installation Audit Control including Bulletin, SRM only, Data only, Documentation only, and updates with COBOL changes. Examples of Data-only updates include certain I.E. dictionary updates, record map SRM updates, and XML data associated with electronic delivery of regulatory information.

With each update, transactions that are delivered as ia*nnnnnn*.txt (where *nnnnnn* is the update number) update the Installation Audit Control section of the HRMS Tables File. For updates that contain a Define File, one of the generated jobs executes the steps necessary to update and print the Installation Audit Control section. The user can maintain this section through normal HRMS Tables File update processing.

The following transactions affect Installation Audit updating and reporting:

- T02-001 and T02-002 – Installation Audit – Solution Data 1 and 2
- RUN – Report Selection of HRMS Data (for reporting information on the Tables File)

T02-001 and T02-002 Transactions

The T02-001 and T02-002 transactions are delivered with each update and product update bulletin and contain information with which to update the Installation Audit Control section of the HRMS Tables File. With each update issued, the T02-001 and T02-002 transaction sets are delivered as Add transactions for all updates that have been published in the collection, and a T02-001 is delivered as a Change transaction for the current update.

When you update the HRMS Tables File with Installation Audit transactions for a current update, the following processing occurs:

- If you have already applied a previous update in the current collection, the Tables File Add transactions for previous updates delivered in this collection are rejected with an **Invalid Add Transaction** message; these messages can be ignored.
- If you have **not** already applied a previous update in the current collection, the Add transactions for any such update are updated, but the Applied Indicator is not set, and the HRMS Tables File print prints asterisks for Date Applied.
- The current update's information is added by its T02-001 and T02-002 Add transactions. Then, this update's T02-001 Change transaction sets the Applied Indicator and updates your system's Date Applied field.

Note: First apply any code associated with the updates before running the generated job to update the HRMS Tables File with these update-delivered transactions.

The T02-001 and T02-002 Installation Audit transactions also contain Maintenance Codes of C (change) and D (delete) for the maintenance of Installation Audit Control information.

- Maintenance Code C - The Maintenance Code C change transaction allows for changes and corrections to Installation Audit information. Examples of the uses of the change transaction are to update the Apply Date field if you maintain separate Tables Files in test and production or to update the field when applying a previously delivered update that you skipped.
- Maintenance Code D - The Maintenance Code D delete transaction deletes Installation Audit records from the HRMS Tables File. One use is to delete old records when the Installation Audit Control section contains a large amount of information for multiple bulletin collections. Note that deleting Installation Audit records could result in a loss of audit information about your system, as this is intended to be a historical record of installation audit information.

RUN Transaction

The RUN Report Selection parameter is delivered as a run-time entry in each update's installation for printing the current collection's Installation Audit Control information.

The RUN transaction allows users to choose which HRMS Tables File applications to include for printing and allows the installation audit information to be printed separately or with other information. To print the installation audit information separately, use the RUN transaction with only the AUD option.

If an update does not contain a Define File (for example, SRM only or Documentation only), you should submit the delivered ia*nnnnnn*.txt, then update and print the HRMS Tables File installation audit information using your own JCL.

Viewing Installation Audit Information Online

You can view installation audit information online for

- An individual product update bulletin or Knowledge Base (KB) article
- An entire product update bulletin collection
- All installation activity since the specified date.

To view installation audit information, use the Installation Audit Reporting Menu (screen 950). On this menu, you can enter the number of an individual product update bulletin or a KB article (KB), the number of a product update bulletin collection, or a starting date for installation activity.

For more information about viewing installation audit information online, see the Installation Audit chapter of the Screen Reference Guide.

Running the Check Writer

Assignment of check/deposit advice sequential number ranges, print queue, and restart information is provided at execution time on the CW-1 and CW-2 transactions.

Process

The assignment of form number code, format, and alignment criteria are established in the HRMS Tables File using the TH1-001 and TH2-001 transactions. They may be added or changed prior to execution of the Check Writer (PLR500). The format for a particular form number code and alignment criteria can be overridden at execution time on the CW-1 transaction. If form information is not present in the HRMS Tables File, Check Writer will terminate after all control transactions are validated. The Validate Report will indicate what information is missing.

A CW-1 transaction must be entered for each check or deposit advice form to be used in this cycle with the sequential number range to be assigned (may be left blank for deposit advices) and the print queue assignment. One or more CW-2 transactions may be entered to define additional number ranges to be used. These transactions can be entered in any order. CW-2 transactions are normally needed when there is a form break in the box of checks or deposit advices.

Based on the CW-1 options, the check/deposit advice forms are written to a spool file (PWR550), or up to ten forms can be printed at one time. You can spool up to 99 additional forms. If the print queue option is blank (positions 44-45 on CW-1), forms are written to the Check Writer Print File (PWR550) during the execution of Check Writer, an SP transaction is submitted to the Check Writer Print program (PLR595) to assign these forms to print queues. If you have a VSE system and do not have POWER, refer to System Execution in this section for further information. A single execution of the program can assign forms to ten different print queues.

Billing transactions are created by the Check Writer (PLR500). They contain counts by form number within level 1-level 2.

Restarting the Check Writer

At the end of the Check Writer execution, verify that the program came to a normal end of job. If Check Writer comes to an abnormal end, first look for an abort message, and next look through the exception report for any abort conditions. After correcting all exceptions, rerun the Check Writer.

Process

To restart the Check Writer:

Step	Action
1	Locate the last good check/deposit advice printed.
2	Identify which forms are to be restarted. For each of these, determine whether the entire form needs to be reprinted or only those checks/deposit advices after a specific employee.
3	If an entire form is to be reprinted, indicate this in the restart indicator on the CW1 transaction. You must also indicate if the same sequence of numbers is to be used or if you want to assign new numbers. If new sequence numbers are to be assigned, enter the available range of numbers on the restart CW1 transaction.
4	If the restart is to begin with a specific employee, the restart indicator on the CW1 transaction must contain the code for employee restart, and new sequence numbers must be assigned (Check/Deposit Advice Number Assignment Indicator). Immediately following the restart indicator, you must enter the level 1-level 2 and employee check/deposit advice sequence number for the first check/deposit advice to be reprinted. (This information can be obtained from the Restart Report.) The new sequence numbers to be assigned are entered in the First Check/Deposit Advice Number Range. Second and subsequent number ranges may be entered if necessary.

Considerations

- If this is not the first restart, the above instructions still apply. A restart is necessary only when one or more of the print queues produced by the Check Writer need to be recreated.
- Restart is not necessary when forms are printed from the Check Writer Print File. To reprint forms from the Check Writer Print File, you should re-execute only the Check Writer Print Program.
- The Check Reconciliation File, Check Reversal File, Updated Check File, and the Billing Transactions are recreated in the restart process. They contain information for all checks/deposit advices created in the initial execution as well as the information resulting from the restarts.

Restart Report

The Restart Report indicates recreated checks/deposit advices. The original check/deposit advice records are flagged as inactive.

System Execution

- MVS
  - The form number is entered in each applicable SYSOUT JCL statement.
- VSE
  - If POWER is available, the forms can be assigned to print queues and printed.
  - If POWER is not available, the output forms should be written to the Check Writer Print File by leaving the print queue blank on the CW1 transaction. Forms are printed by executing the Check Writer Print Program with an SP transaction to retrieve the form from the print file.

Check/Deposit Print Utility File (PWR55V/SYS013)

The Check/Deposit Print Utility File (PWR55V/SYS013) will be created if positions 44 and 45 on the CW-1 transaction are blank. This utility file is a spool file used as input for PLR595 (Check Writer Print Utility).

This table lists the 10 output print queues for checks and deposit advices:

Print Queue	DD (MVS)	SYS Number (VSE)
01	PWR60V	SYS018
02	PWR61V	SYS019
03	PWR62V	SYS016
04	PWR63V	SYS017
05	PWR64V	SYS020
06	PWR65V	SYS030
07	PWR66V	SYS027
08	PWR67V	SYS028
09	PWR68V	SYS031
10	PWR69V	SYS025

VSE customers may override these SYS assignments using the ASSGN and POWER LIST commands to send the output to a pseudo printer device.

Example.

```
----+----1----+----2----+----3----+----4----+----5----+----6...8
// ASSGN SYS018, X'00E' **CW1 PRINT QUEUE 1**
// ASSGN SYS019, X'00F' **CW1 PRINT QUEUE 2**
// ASSGN SYS016, X'01E' **CW1 PRINT QUEUE 3**
* $$ LST  LST=00E,CLASS=L,JSEP=0,FCB=FCB1111,FNO=1111
* $$ LST  LST=00F,CLASS=L,JSEP=0,FCB=FCB2222,FNO=2222
* $$ LST  LST=01E,CLASS=L,JSEP=0,FCB=FCB3333,FNO=3333,REMOTE=XXX
```

where:

- FCB1111 is a sample FCB program name for Form 1111
- FCB2222 is a sample FCB program name for Form 2222
- FCB3333 is a sample FCB program name for Form 3333
- Forms 1111 and 3333 are sample form numbers for checks
- Form 2222 is a sample form number for deposit advices
- XXX is a remote site printer.

Enter the appropriate parameters to provide more flexibility in the printer actually used.

Supplemental Check Records

Your organization might require employee-level data on the check, deposit advice, or earnings statement that is not currently defined by the HCM:E system on the records passed to the Check Writer. To help you satisfy such requirements, an additional record, known as the Supplemental Check Record, is provided. The Supplemental Check Record is created by the Payroll Report Generate Program (PLR100). The record contains predefined supplemental data including tax data, union code, employment date, and employee status. This record also contains an area reserved for user-defined data. As delivered, this record will not be generated by the Payroll Report Generate or used by the Check Writer.

Generating the Supplemental Check Record

The Supplemental Check Record can be generated by removing the * from Column 7 in paragraph FSC-SUPP-DATA-PDR113 in copybook PDR113.

Adding User-defined Data to the Supplemental Check Record

You can print additional information (information that is not included in the pre-defined portion of the Supplemental Check Record) on the check, deposit advice, or earnings statement. User-defined space is allocated for your use.

The user fields must be defined in the Supplemental Check Record created by Payroll Report Generate, PLR100. These changes should be made in PCR1WK where data names USER-DATA-US and USER-DATA-CANADIAN are indicated.

Process

To place user data in the Supplemental Check record:

Step	Action
1	Remove the '*' from the perform statement in section FORMAT-SUPP-CHECK-RCDS-PDR113, paragraph FSC-SUPP-DATA-PDR113 in copybook PDR113: ¬EDIT SPDR113 A 523775 FSC-SUPP-DATA-PDR113. 523776 PERFORM MOVE-USER-CHECK-DATA-PDR113. 523985 MOVE '5' TO WW-CK-REC-PART-NO. 523987 PERFORM FORMAT-CHECK-SORT-KEY. 523989 PERFORM WRITE-P1W34M1-CHECK-WRITER.

(continued)

Step	Action
2	Remove the '*' from section MOVE-USER-CHECK-DATA-PDR113 in copybook PDR113 and add move statements to move your user data to the supplemental record. 900100 MOVE-USER-CHECK-DATA-PDR113 SECTION 6. 900200*MUC-NOTE. NOTE 900300* ********** 900400* *THIS SECTION IS THE PLACE TO PUT ALL APPROPRIATE* 900500* *MOVES FOR USER DATA FROM PCR1WK TO BE PASSED TO * 900600* *THE CHECK WRITER PROGRAM * 900700**********. 900800* 907000 MUC-EXIT. 907100 EXIT.

Printing Supplemental Data

To print supplemental data on the check, deposit advice, or earnings statement, you must make the following changes:

Step	Action
1	If user-defined data has been added to the Supplemental Check Record, these data fields must be added to the record definition in copybook PCR522.
2	Place data field(s) in the proper print line definition for the formats. (See the table below for formats.)
3	Add MOVE statements for the data from the Supplemental Check Record (defined in copybook PCR522) to the print area defined above.

Formats and Associated Copybooks

The following table shows the formats and the corresponding copybooks to which the print line fields and MOVE statements should be added.

Format	Working Storage Copybooks	Procedure Division Copybook
Check/Deposit Advice Self Mailer (1C/1D)	PCR575	PDR575
Earnings Statement Left, Check/Deposit Advice Right (2C/2D)	PCR576	PDR576
Earnings Statement Over, Check/Deposit Advice Under (3C/3D)	PCR577	PDR577
Check/Deposit Advice Over, Earnings Statement Under (4C/4D)	PCR578	PDR578
Check/Deposit File (6C/6D) un-summarized	PCR573	PDR573
Check/Deposit File (7C/7D) (Laser) advice under earnings over	PCR579	PDR579

Note: The 6C/6D format will produce an un-summarized check/deposit file that is used as input in **your** check writer program.

Modifying CW1 and CW2 Maximums

To increase the number of CW1/CW2 transactions allowed, increase the values associated with:

- Change '100' to the desired number in copybook PCR531:

```
¬EDIT SPCR531                                          A
003600  16  PCR531-FORM-NUMBER-CONTROLS  OCCURS 100 TIMES
```

- Change '100' on line 3300 to same number as above and change '10' on line 3600 if necessary:

```
¬EDIT SPCR531                                          A
003100  16  PCR510-MAXIMUM-CW1-ALLOWED    PICTURE S9(4)
003200                                     SYNC COMPUTATIONAL
003300                                     VALUE +100.
003400  16  PCR510-MAXIMUM-CW2-PER-CW1    PICTURE S9(4)
003500                                     SYNC COMPUTATIONAL
003600                                     VALUE +10.
```

Using the Employees Not Paid Program

The Employees Not Paid program (PLPENP) is executed to produce a report of all time card required employees who are active during any given pay cycle, but for whom no valid pay action transactions are present. Only those organizations for which AA transactions are present will be processed.

The Employees Not Paid Program should be executed after Transaction Validation (PLP400) so that any omitted ZT or ZV transactions can be deleted and added to the Valid Transaction File before Payroll Compute is executed.

To produce the Active Employees Not Paid report, PLPENP must be executed using the current Employee Master File and Valid Transaction File. No control transactions are necessary.

Adapting User Code for Regulatory Reporting

Several unsupported fields have been defined in the Generated Report Records, but are not populated with data. If you need to use any of these fields, modify the associated procedure division copybook to move the Employee Master File or HRMS Tables File data to the data field in the Generated Report Record copybook.

User Coding

Field	Working Storage	Procedure Division
State W-2 Tape	PA2100	PD2100
State Optional Data		
State Taxing Entity		
Other Data		
Local W-2 Tape	PA2400	PD2400
Alphanumeric Fields 1 – 5		
Numeric Fields 1 – 5		
Local Optional Data		
Other Data		
Quarterly Reports	PA2101	PD2101
Sate Optional Code		
State Taxing Entity		
Other Data		
Employer Sate Tax ID		
Employer Use Field		
Federal 1099 – R Form	PA2003	PD2003
Amount Eligible for Capital Gains		
Employee Account Number		
Employee Contributions or Insurance Premiums		
Net Unrealized Appreciation in Empir. Sec.		
Other Amount		
Other Percent		
Total Distribution Percentage		
Federal 1099 – R Tape	PA2004	PD2004
Amount Eligible for Capital Gains		
Employee Account Number		
Employee Contributions or Insurance Premiums		
Net Unrealized Appreciation in Empir. Sec.		
Other Amount		
Other Percent		
Total Distribution Percentage		

(continued)

Field	Working Storage	Procedure Division
State 1099 – R Tape	PA2103	PD2103
Amount Eligible for Capital Gains Employee Account Number Employee Contributions or Insurance Premiums Net Unrealized Appreciation in Empir. Sec. Other Amount Other Percent Total Distribution Percentage		
Canadian T4A Slip	PA2202	PD2202
Past Service Pension Plan		
Canadian T4A Magnetic Media	PA2203	PD2203
Box 28 Description Past Service Pension Tape		

Assigning an Output Device for Local W-2 Tapes

When producing local W-2 tapes, you must assign an output device to a local code. This requires modification to the local W-2 tape I/O program, PN4400.

Follow these steps:

Step	Action
1	Modify copybook PG4400 as shown in the example following this table.
2	To assign a local code to a particular DD or TLBL (VSE), change the contents of the value clause to contain the name of the user-defined locality code in the first four positions.
3	After the change is made, compile PN4400 and link PL4000.
4	Make sure the DD/TLBL is added or changed in the execution JCL.

Copybook PG4400

```
005300 01  PG4400-LOCAL-TABLE.
005400     12  PG4400-LOCALS.
005500         16  PG4400-DDNAME-PW44001       PIC X(07) VALUE
005600                                         'LCL1 01'.
005700         16  PG4400-DDNAME-PW44002       PIC X(07) VALUE
005800                                         'LCL2 02'.
005900         16  PG4400-DDNAME-PW44003       PIC X(07) VALUE
006000                                         'LCL3 03'.
006100         16  PG4400-DDNAME-PW44004       PIC X(07) VALUE
006200                                         'LCL4 04'.
006300         16  PG4400-DDNAME-PW44005       PIC X(07) VALUE
006400                                         'LCL5 05'.
006500         16  PG4400-DDNAME-PW44006       PIC X(07) VALUE
006600                                         'LCL6 06'.
006700         16  PG4400-DDNAME-PW44007       PIC X(07) VALUE
006800                                         'LCL7 07'.
006900         16  PG4400-DDNAME-PW44008       PIC X(07) VALUE
007000                                         'LCL8 08'.
007100         16  PG4400-DDNAME-PW44009       PIC X(07) VALUE
007200                                         'LCL9 09'.
007210         16  PG4400-DDNAME-PW44010       PIC X(07) VALUE
007220                                         'LCL0 10'.
.
.
.
028300          16  PG4400-DDNAME-PW44125       PIC X(08) VALUE
028400                                          'L125 125'.
028500          16  PG4400-DDNAME-PW44126       PIC X(08) VALUE
028600                                          'L126 126'.
028700          16  PG4400-DDNAME-PW44127       PIC X(08) VALUE
028800                                          'L127 127'.
028900          16  PG4400-DDNAME-PW44128       PIC X(08) VALUE
029000                                          'L128 128'.
029100          16  PG4400-DDNAME-PW44129       PIC X(08) VALUE
029200                                          'L129 129'.
029300          16  PG4400-DDNAME-PW44130       PIC X(08) VALUE
029400                                          'L130 130'.
029500          16  PG4400-DDNAME-PW44131       PIC X(08) VALUE
029600                                          'L131 131'.
029700          16  PG4400-DDNAME-PW44132       PIC X(08) VALUE
029800                                          'L132 132'.
029900          16  PG4400-DDNAME-PW44133       PIC X(08) VALUE
030000                                          'L133 133'.
030100          16  PG4400-DDNAME-PW44134       PIC X(08) VALUE
030200                                          'L134 134'.
030300          16  PG4400-DDNAME-PW44135       PIC X(08) VALUE
030400                                          'L135 135'.
030500 *
```

W-2 Control Number

Standard Incrementing Method

As delivered in copybook PD3001, the W-2 control number starts at 00001 and is increased by one using the following data names:

PC3001-1ST-W2-CNTL-NUM=1
PC3001-INCRMNT-CNTL-NUM=+1.

Changing the Incrementing Method

If you want to...	Then...
Change the value of the first control number or increment by a different value, or both	Change the VALUE clauses for these fields in PC3001.

```
¬EDIT SPC3001                                          A
001000* ******************************************************
001100* *USER NOTE: THE VALUE CLAUSE FOR THE FOLLOWING WORK *
001200* *   FIELDS CAN BE MODIFIED TO:                       *
001300* *   1. CHANGE THE VALUE OF THE CONTROL NUMBER THAT  *
001400* *      THAT PRINTS ON THE FIRST FEDERAL W2 FORM.    *
001500* *   2. CHANGE THE VALUE BY WHICH THE CONTROL NUMBER *
001600* *      IS INCREMENTED AFTER EACH W2 FORM IS PRINTED.*
001700* ******************************************************
001800*
001900  12  PC3001-1ST-W2-CNTL-NUM          PIC S9(11)
002000                                VALUE    +1.
002100  12  PC3001-INCRMNT-CNTL-NUM          PIC S9(03)
002200                                VALUE    +1.
```

(continued)

If you want to...	Then...
Replace the sequential count with another field in the generated detail record (such as employee number)	Replace PC3001-HOLD-W2-CNTL-NUM in the second MOVE statement in CONTROL-NUM-DATA-PD3001 section, copybook PD3001, with the appropriate PA2001 field name, and comment out the remaining MOVE and ADD statements in the section. **¬EDIT SPD3001** A 131720 MOVE **PC3001-HOLD-W2-CNTL-NUM** TO PA2001-W2-CONTROL-NUM. 131721*MOVE PA2001-W2-FORM-RECORD TO PA20RF-RECORD. 131740*ADD PC3001-INCRMNT-CNTL-NUM TO PC3001-ACCUM-W2-CNTL-NUM.
Replace the sequential count with a field that is not in the generated detail record	Move the appropriate Employee Master File field to PA2001-W2-CONTROL-NUM in copybook PD2001. Replace PC3001-HOLD-W2-CNTL-NUM in the second MOVE statement in CONTROL-NUM-DATA-PD3001 section, copybook PD3001, with PA2001-W2-CONTROL-NUM and comment out the remaining MOVE and ADD statements in the section. **¬EDIT SPD2001** A 119500 MOVE **emf-field-name** TO PA2001-W2-CONTROL-NUM. 143700 MOVE **emf-field-name** TO PA2001-W2-CONTROL-NUM. **¬EDIT SPD3001** A 131720 MOVE **PC2001-W2-CONTROL-NUM** TO PA2001-W2-CONTROL-NUM. 131721*MOVE PA2001-W2-FORM-RECORD TO PA20RF-RECORD. 131740*ADD PC3001-INCRMNT-CNTL-NUM TO PC3001-ACCUM-W2-CNTL-NUM.

VSE Spooled Report Print (PL4000/PL5000)

The VSE Regulatory Report Print programs do some unique things with regard to printing W-2 forms, 1099-R forms, T4 forms and Quarterly reports. Because of the possibility of over 100 separate printed reports, it was necessary to develop a method to spool all reports and modify the VSE POWER "LST" statement for each individual report. Refer to the comments within copybook PC4VPR for modifications necessary to change the model POWER "LST" statement as delivered to accommodate your specific needs, such as changing the CLASS and FNO values.

How to Change VSE POWER LST Statements

The following 4 lines are a sample of what is delivered in the **PC4VPR** copybook. You must leave the report ID on the VSE POWER LST statement; otherwise, it will use the default VSE POWER LST statement because no match is found.

```
004510* PW4001  W-2 FORMS
004600         16  FILLER                        PIC X(40) VALUE
004610             'PW4001   * $$ LST CLASS=R,FNO=0001      '.
004620         16  FILLER                        PIC X(40) VALUE
004630             '                                        '.
```

The following 2 lines are an example of changes you might make for your Federal W-2 forms to print.

```
004610             'PW4001   * $$ LST CLASS=R,FNO=0001,JSEP='.
004630             'NO,FCB=FCB111,PRI=9,LST=00E             '.
```

Each output form will have 2 lines (40 positions each) for you to enter your VSE POWER LST statements. Where *rrr* is the report ID and *ss* is the authority code (blank for federal reports) for the forms you are producing. If you are executing PL4000, the # will be PW4, if you are executing PL5000, the # will be PW5.

```
#   report  authority
                \       ID  code
                  \      |  |
                    \    |  |
00xxxx               'PW4rrrss   * $$ LST CLASS=R,FNO=0001    '.
00xxxx               '                                        '.
```

You can code any of the valid LST statement options described in this table:

LST Statement Option	Description
DISP	Disposition
COPY	Copies
PRI	Priority
USER	User-information
CLASS	Class
PWD	Password
FNO	Form-number
LST	List-unit
JSEP	Job-separators
FCB	FCB-phase-name

Sample.

```
* $$ LST CLASS=R,JSEP=N0,FCB=FCB111,PRI=9,FNO=0001,LST=00E
```

Considerations

- The first 18 positions of the first FILLER must **not** be changed.
- The program that actually interfaces with POWER is PP4JEC.
- After modifying PC4VPR, you must compile PP4VPR and link PL4000 and PL5000.

U.S. Regulatory Reporting

Linking PL4000 and PL5000

The PL4000 (MVS linkset PY400T, VSE PV400T) and PL5000 (MVS linkset PY500T, VSE PV500T) executable modules must be linked AMODE=**24** and RMODE=**24**.

State Quarterly Wage Reporting

This section discusses the process of State Quarterly Wage Reporting. State Quarterly wage reports are provided to comply with the requirements for each state. See the *Regulatory Reporting Guide* for a complete discussion of State Quarterly Unemployment Reporting and State Quarterly Wage/Tax Reporting.

Special Considerations for Washington and Minnesota

If your organization reports in Washington or Minnesota or both, you might need to make coding changes.

The state of Washington requires that all corporate officers who are exempt from unemployment insurance be excluded from the report. The state of Minnesota requires that all corporate officers be identified on this report.

The Worker's Compensation Code value **EXEC** is used to identify corporate officers. If your organization reports in both states and may have employees who have transferred between these two states, the following code changes may be needed:

Step	Action
1	Change the literal value used for one of these states and document it on the SA transaction, Positions 33-36.
2	Change the literal used in copybook PD2101, paragraph PSR-SELECT-STATE-PD2101 below the asterisk box titled "Washington Process" for Washington, or paragraph FRP-ENTER-PD2101 for Minnesota. You also need to change copybook PD2102, paragraph PSR-SELECT-STATE-PD2102 below the asterisk box titled "Washington Process" for Washington, or paragraph FRP-ENTER-PD2102 for Minnesota.

Reporting with Files

State quarterly files are created using the same format as the Federal W-2 file using a type-S record instead of a type-W record.

Special Considerations

Use these guidelines for reporting with files.

- Generate Files: You must request the generation of quarterly files on the GEN001 and GEN002 transactions.
- Required Transactions: The TZ1-001, TZ1-002, TZ1-003, TZ1-006, and TZ1-007 transactions must be present in the HRMS Tables File for proper creation of some files.

W-2/1099-R Processing

Printing

A special carriage control is necessary for printing W-2 and 1099-R forms. More information on special forms and carriage control is located in Chapter 2.

Reporting New York City Wages

If you want to report New York City wages in the same way as New York State wages (total wages earned), program changes are required. Follow the instructions in

Copybook: PD20SL

Section: PROCESS-STATE-LOCAL-PD20SL

Paragraph: PSL-LOCAL-AMOUNTS-PD20SL

State Quarterly Unemployment Processing

XML Format

Some states require quarterly unemployment reporting in XML format. For these states, after you run PL5000 and create the standard sequential format magnetic media files, you use these files as input for the PL6000 XML/CSV Formatting Utility. The records generated by the PL6000 process are in XML format. Download them to your PC where you can transfer them to diskette or CD-ROM or use them for electronic filing.

CSV Format

Some states require quarterly unemployment reporting in CSV format. For these states, after you run PL5000 and create the standard sequential format magnetic media files, you use these files as input for the PL6000 XML/CSV Formatting Utility. The records generated by the PL6000 process are in CSV format. Download them to your PC where you can transfer them to diskette or CD-ROM or use them for electronic filing.

State Monthly Unemployment Processing

CSV Format

Some states require monthly unemployment reporting. The required format may vary by state. For example, the Illinois file is submitted in comma-delimited ASCII text format (.csv file). As with the state quarterly files, monthly reporting uses PL1000 to generate the request, PL2000 to generate extract records, PL3000 to create an Audit/Exception report, and PL5000 with SRMs to produce a sequential input file for the PL6000 XML/CSV Formatting Utility. PL6000 produces the reporting file in the special defined format (for example, the comma-delimited format).

The output DDs for all state monthly reporting files are named PW516*xx*, where xx is the state code (for example, the DD is PW51614 for Illinois).

Canadian Regulatory Reporting

Using the Canadian Record of Employment (ROE) Subsystem

The Canadian Record of Employment subsystem (PLC300 and PLC400) was developed to meet Record of Employment reporting requirements. This subsystem can be run separately from the Payroll system as needed with a minimum of interaction. This interaction consists of using the following central system files:

- Payroll Reporting Detail File (PWR060)
  or
  Employee Master File (PWP010)
- HRMS Tables File (PWV010)
- ROE Automatic Requests (E3) (PWC010)
- ROE Inactive/Terminate Transactions (PWC120).

Input Files

ROE Manual Requests (PWC020)

This file contains manually prepared transactions that provide cycle processing information, and individual group requests for ROE generation.

ROE Automatic Requests (PWC010)

This file is created by Update (PLP600) and contains automatically generated ROE requests for individual employees (E3). These requests are created whenever an RG transaction with a valid termination code and termination date is entered manually.

HRMS Tables File (PWV010)

Level 1-level 2 data is retrieved from TM transactions in the HRMS Tables File.

Payroll Reporting Detail File (PWR060) or Employee Master File (PWP010)

The Payroll Reporting Detail File is automatically used for ROE reporting because it contains data from payment runs. An A* override transaction can be entered to cause the ROE subsystem to use the Employee Master File when ROEs are to be issued for employees who are not on an available Payroll Reporting Detail File.

Output Files

Sequential Web ROE Bulk File (PWC100)

This file is used as input for the Regulatory Reporting XML/CSV Utility (PL6000) to generate the Web ROE File in XML format.

ROE Inactivate/Terminate Transaction File (PWC120)

A file containing RA and RG transactions is created for each employee receiving an ROE. It should be input to Transaction Load (PLP200) in the next system cycle.

Report Print Files

ROE Print File (PWPT2V)

The ROE Print File contains properly formatted ROE print lines. A print utility (MVS PPR4U1) can be used to place these print lines on the ROE form (INS 2106 PB-P(10-88)EF). Also, Record of Employment Generation (PLC400) may be used to directly print ROEs on their proper form. See the section on Special Forms and Carriage Control.

ROE Edit Report Print File (PWPT1V)

This file produces a report of all transactions entered in the ROE subsystem including any syntax record relationship or logic edit messages.

ROE Register Print File (PWPT3V)

This file produces a register of all ROEs issued during the current cycle. It can have either a summary of each ROE or the detail of the data from the ROE Print File (PWPT2V) or the Sequential Web ROE Bulk File (PWC100).

Reporting Files

Web ROE File in XML Format (PW6ROE)

The Regulatory Reporting XML/CSV Utility (PL6000) is used to generate the Web ROE File that can be uploaded to the Service Canada web site for online reporting of ROEs. This process uses the PWC100 file as input, along with the usual data members needed, such as an XML mask. All input files are already defined in PROC HR6600, which runs PL6000.

Producing an Audit Report of Selected Employee Records (Canadian)

The Canadian Employee Master Audit Program (PLR900) can be executed to produce an audit report of all employee records within a selected level 1-level 2. The program can be executed any time during the processing cycle. If you want current employee data included, execute the program after Compute.

Employee Master File

PLR900 processes only the Employee Master File. You can use either a random or sequential Employee Master File. Current, period-end and extract/rerun cycle Employee Master Files can be used by the Canadian Employee Master Audit. Enter an A* transaction to process a period-end or rerun cycle master. The program assumes a current cycle master unless an A* transaction is present.

File Control

File control verification will be performed on the Employee Master File if the file control option has not been overridden for the level 1-level 2 being audited.

Audits

See the *User Guide* for information about using the AU runtime transaction to account for payments that are either federally taxable/provincially non-taxable or provincially taxable/federally non-taxable.

T4, T4A, Releve 1, Releve 2 Reporting - Canadian Organizations

Linking PL5000

The PL5000 (MVS linkset PY500T, VSE PV500T) executable module must be linked AMODE=**24** and RMODE=**24**.

Period End Indicator

The period end indicator from the AA transaction stored in the organization header record must be Year-End (**Y**). The taxation year to be reported on the T4 and T4A summary records (XML) and the Agent Account Header record of the Releve Magnetic Media is taken from the weekly/biweekly or monthly/semimonthly pay period end date.

Governmental Identifiers

The organization's Business Number must be present in the HRMS Tables File. This is entered on the TM-TUU transaction.

Province ID

If you need to report Provincial information, you need to add the following information to the HRMS Tables File.

Report	Information	Transaction
Releve 1-2 Slips	Province name for each province reported	TM-00
Releve Magnetic Media	Agent Account Number Employer/Payer Name Province code 88 (Quebec)	TM-00
	Initial Releve Tape Record Number	TM-UW00

Creating T4, T4A Magnetic Media

T4 and T4A information must be reported on CD-ROM or diskette in XML format or transmitted electronically to Canada Revenue Agency.

Before you create this media, the following information must be present:

Information	Transaction
Transmitter Record	TM-Z001 – TM-Z006
Summary Record information for each employer account number	TM-Z101 – TM-Z105
Period end indicator (Y)	AA

Process

The T4/T4A magnetic media records that are input to PL5000 must be sequenced with the Employer Account Number as the first sort sequence identifier. This sequence allows the system to combine summary records with the same Employer Account number and write one summary record to the T4/T4A magnetic media file containing the totals. Each summary record and the total summary record information is printed on the T4 Tape Audit report.

After you have executed PL5000 and created the T4 and T4A magnetic media record files, you use these files as input for the PL6000 XML Formatting Utility. The output records from the PL6000 process are in XML format suitable for downloading to your PC where you can copy them to diskette or CD-ROM for submission to Canada Revenue Agency or transmit them electronically.

Magnetic Media Record Types

The format of the magnetic media records is described in *File and Record Descriptions*, available on the Infor Support Portal. Three different record formats are required for the T4/T4A XML format.

	Record Type	Description
(T4) (T4A)	Transmitter Record (first record)	Required. Identifies: ▪ Transmitter Name ▪ Transmitter Address ▪ Transmitter Name, Address and Technical Contact Information
(T4) (T4A)	Summary Record	Required. Identifies: ▪ Employer Business Number ▪ Employer Name, Address and Contact Information ▪ Taxation Year ▪ Field Totals for Remuneration records and record totals
(T4) (T4A)	Statement of Remuneration Record	▪ Employee wage and tax information form the Employee Master File ▪ Employer Business Number ▪ Employee Address

Creating Releve Magnetic Media Files

Releve information must be reported on CD-ROM or diskette in XML format or transmitted electronically to Revenue Quebec.

Before you create Releve magnetic media files, this information must be found:

Information	Transaction
Agent Account Number for each level 1-level 2	TM-00
Employer/Payer Name	TM-00
Period end date of Year-end (Y)	AA

Process

The Releve magnetic media records that are input to PL5000 must be sequenced with the Agent Account Number as the first sort sequence identifier. Each level 1-level 2 is associated with a single Agent Account number. However, multiple level 1-level 2s can have the same Agent Account number.

After you have executed PL5000 and created the Releve 1 and Releve 2 magnetic media files, you use these files as input for the PL6000 XML Formatting Utility. The output records from the PL6000 process are in XML format suitable for downloading to your PC where you can copy them to diskette or CD-ROM for submission to Revenue Quebec or transmit them electronically.

Although the records for the Releve magnetic media and slip originals need not be generated simultaneously, we recommend that you do this to ensure the integrity of the system-calculated cross-reference Releve Tape Record numbers.

Calculating the Tape Record Number

The Releve Tape Record number is programmatically calculated using the Initial Releve Tape Record number from the TM-UW00 record and the calculation procedure described by Revenue Quebec in the *Guide for Mechanical Filing Releve 1 and Releve 2*. All calculated Releve Tape Record numbers are nine digits. Although the Initial Releve Tape Record number is only eight digits, the system supplies the ninth. Subsequent Releve Tape Record numbers are determined by increasing the first eight digits by one and appending the system-calculated ninth digit.

Magnetic Media Record Formats

The format of the magnetic media records is described in *File and Record Cross-Reference*, available on the Infor Support Portal. Three different record formats are required for the Releve 1 and Releve 2 magnetic media files.

Code	Record Type	Description
P01 P02	Releve 1 Transmitter header Releve 2 Transmitter header	One header for each unique Agent Account Number. Identifies: ▪ Transmitter Number ▪ Transmitter Name and Address ▪ Contact Information ▪ Taxation Year ▪ Language Indicator
R01 R02	Employee Releve 1 Detail Employee Releve 2 Detail	Employee Releve 1 tax information Employee Releve 2 tax information
T01 T02	Releve 1 Employer trailer Releve 2 Employer trailer	One trailer for each unique Agent Account/Employer Registration Number. Identifies: ▪ Employer Name and Address ▪ Accumulated totals of the fields in the Employee Releve 1 and 2 Detail records.

User Exits

Special User-Defined DOE Calculations

There are 10 predefined methods for programming DOE calculations (described in *Transaction Descriptions*, under DOE-001). These methods are suitable for most situations, but another method may be needed when the amount has to be calculated based on the value of other fields on the Employee Master File. The USER-DOE-CALC and AUTO-OTHER-EARN-EI-PDC712 are exit routines that allow you to program DOE calculations in special situations. The method code for these two routines is **X**.

Tax User Exits

Canadian Payroll Users Only

Copybook PDC712 (CPY-PPP712-PDC712) contains the user exit for the special DOE calculations based on the method code for prorating DOE earnings. Code for the Tax User Exit can be placed in line numbers 400800 through 500000. Program PPP712 must be recompiled, and the load module PLP700 must be relinked.

All Users

Copybook PDP735 contains the Tax User Exit for DOE calculations. Code for this Tax User Exit can be placed in line numbers 600300 through 700000. Program PPP735 must be recompiled, and the load module PLP700 must be relinked.

Using the Method Code

The X method code can be used to set up the following DOE calculations.

To Set Up…	Enter X on the…
An assumption DOE	CS-A transaction (on Employee Master File)
A step DOE	DOE-STP (on HRMS Tables File)
An employee DOE	NK/RK transaction (on Employee Master File)

Note: HCM:E supports only delivered code. Code changes or additions made in your environment for special processing are your responsibility and are not supported by HCM:E.

User Exit for Additional Local Tax Calculations

The TAX-USER-EXIT-PDPTUX routine in copybook PDPTUX is designed to provide a way to calculate taxes for additional local authorities when the employee's county/city tax accumulators are already in use. The user exit is performed at the end of tax processing for the employee in copybook PDP714. This means that any tax calculations made at this point are subordinate to all other normal (federal, state, county, and city) tax calculations.

Creating Your Own Special Calculations

Copybook PDPTUX contains the logic for tax user exit DOEs. The Ohio SDIT, state FLI or City 2 logic provided by HCM:E can be used as a model for performing other special tax calculations. However, proceed with care and caution if you exercise this ability.

Note: HCM:E supports only delivered code. If you create special tax calculations for your environment, those code changes or additions are your responsibility and are not supported by HCM:E.

HCM:E Supported Tax User Exits

HCM:E delivers and supports program logic to calculate the Ohio School District Income Tax (SDIT), State Family Leave Insurance (FLI), and City 2 Tax from employees. For detailed instructions on how to implement the Tax User Exit for Ohio SDIT and FLI, refer to the *Taxing Authorities Guide.* For information about how application users can use the City 2 Tax User Exit to calculate taxes in two cities in the same check, see the *User Guide*.

Processing the Ohio SDIT

When an employee was assigned the Ohio SDIT DOE, this process occurs:

HCM:E moves Ohio SDIT DOE to the search argument; then HCM:E searches employee records for Ohio SDIT DOE deductions. Depending on the contents of the employee record, up to three additional actions may be taken to calculate the SDIT amount:

If...	Then HCM:E...
The employee has Ohio SDIT DOE	Searches for Ohio state SALTA.
Ohio SALTA is found	Checks for current wages greater than zero.
Current wages greater than zero are found	Calls the taxing subsystem to calculate SDIT amount using ▪ Ohio state gross taxable wages ▪ State exemptions from 203 segment ▪ Senior Citizen Credit from Ohio sort code.

Processing City 2 Tax

When an employee is assigned the City 2 DOE, this process occurs:

If...	Then HCM:E...
The employee does not have an active city tax defined on the 203 segment of the EMF,	Does not calculate tax for the City 2 DOE and exits the user exit.
The employee has an active city tax defined on the 203 segment of the EMF,	Retrieves the City Tax Reciprocity Indicator from the first position of the City 2 DOE Sort Key field.
The City Tax Reciprocity Indicator is equal to "0" and the 203 segment City Tax Method is equal to 1, 4, 7, or 8,	Calculates tax for the 2nd city based on 100% of city taxable wages less the % of city wages that are defined to be taxed in the city defined on the 203 segment. The total tax for both cities is equal to 100% of the city taxable wages.
The City Tax Reciprocity Indicator is equal to "0" and the 203 segment City Tax Method is not equal to 1, 4, 7, or 8,	Calculates tax for the 2nd city based on 100% of city taxable wages. City tax is withheld on 100% wages for both cities.
The City Tax Reciprocity Indicator is equal to "1",	Calculates tax for the 2nd city based on 100% of city taxable wages. The tax for the city defined on the 203 segment is based on the City Tax Method and Amount/Percent defined on the 203 segment.
Wages for the 2nd city are greater than zero,	Calls the taxing subsystem to calculate the City 2 tax for the local code defined in pos. 2-5 of the City DOE Sort Key and ▪ Adds or locates an existing Type 3 SALTA for the SCC code, ▪ Moves the City 2 taxable wages and tax to the Type 3 SALTA, ▪ Zeroes out the wages and tax for the city defined on the 203 segment if the City Tax Method is 1, 4, 7, or 8 and the Amount/Percent is 0.

6 Online and Realtime Operation

Chapter Contents

6-2 Introduction
6-3 Technical Overview of Screen Generator
6-7 Screen Format
6-9 Employee Master File Inquiry Screens
6-15 Transaction Entry Screens
6-19 Combination Screens
6-22 Menu Screens
6-23 Overriding Field Characteristics
6-25 Global Fields
6-27 Screen Numbering and Sequencing
6-28 Generator Transaction Coding
6-30 Header Transaction
6-34 Label Override Transactions
6-39 Data Transactions
6-45 System Default Transaction
6-46 Screen Generator Header (HDR)
6-48 Screen Generator Screen Image
6-49 Screen Generator Data Field Identification
6-50 Screen Generator Separator
6-51 System Default
6-52 Generation Process
6-54 Generator Program Messages
6-59 Inquiry Module Overview
6-60 Edit Module Overview
6-61 Edit Program General Structure
6-64 Release for Processing
6-66 PPO630 Program Select
6-69 Generating User Transactions
6-71 Creating Screens Using Employee User Segment Information
6-74 Generator Program Copybooks
6-76 Transaction Copybooks
6-81 Realtime Screens
6-89 Realtime Audit Database
6-93 Online Check Calculation Features
6-96 Printer - Online Check Calculation
6-97 Screen Security Considerations

(continued)

Chapter Contents (continued)

6-99 Defining Multiple Databases
6-100 Employee Number Shift
6-101 Position Control Number Shift

Introduction

This chapter describes functions performed using the Online system. It includes instructions for creating and modifying Online screens that are customized to meet your organization's needs. This chapter also describes Realtime system management.

Technical Overview of Screen Generator

The HCM:E Online screens are designed in a format that can be used as delivered or modified to produce screens tailored to your specific needs. The Screen Generator feature provides a standardized process for creating screens with a minimum of coding effort for you.

To produce customized screens, you design the new screen layout, and then you code a set of records defining the screen to the Screen Generator program (PPO600). The program is run offline and uses your screen definition records to produce everything you need to use the new screen.

This chapter provides the information you need to create new HCM:E screens.

Overview

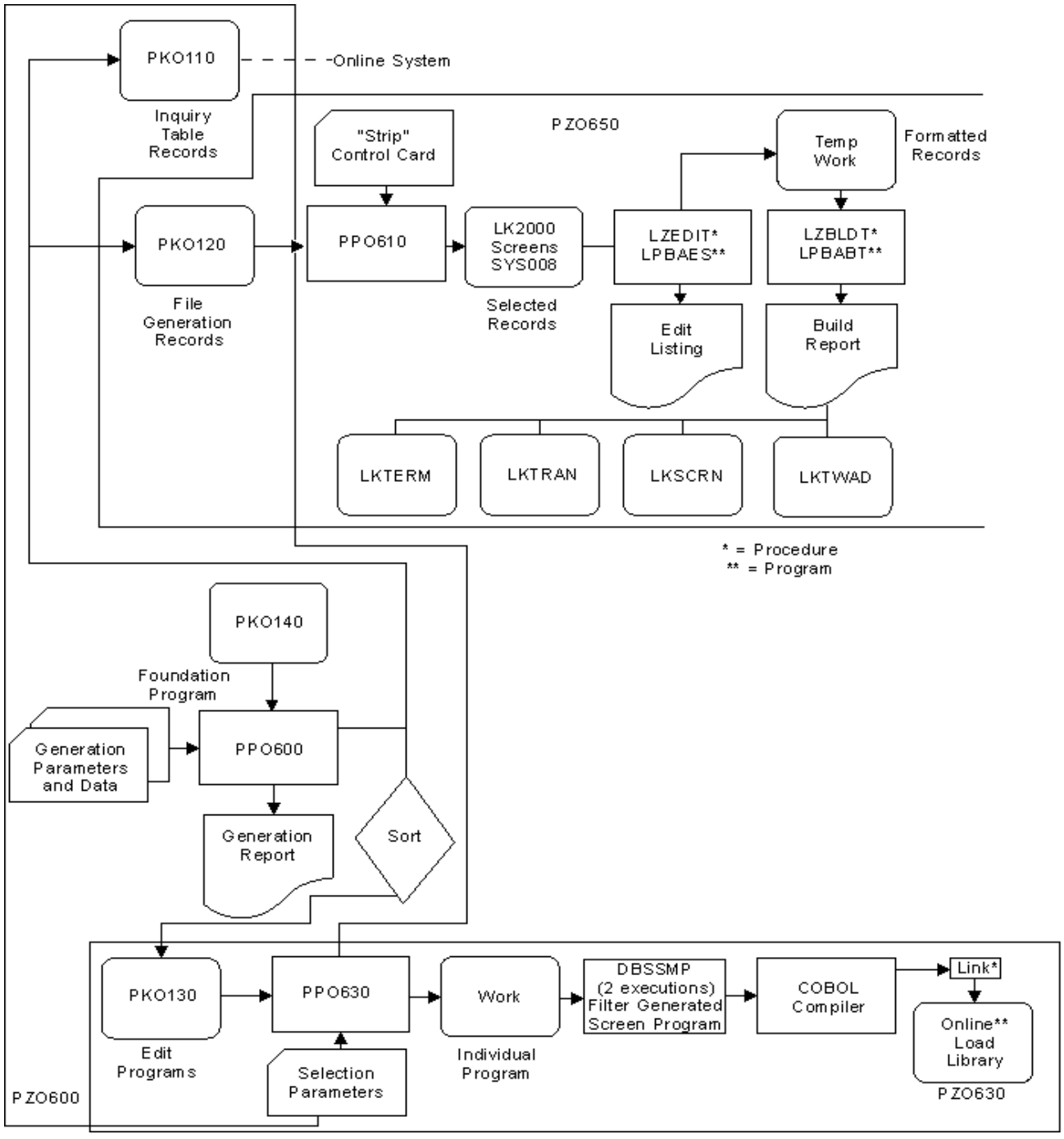
The HCM:E Online system is table driven. It operates under the control of the Data Communication Interface (DCI). The screen generation procedure was developed so that you can create all the tables needed to process an Online screen. The tables are generated for you when you enter transactions defining a new screen. Four major Online elements are involved in processing an Online screen:

Element	Description
Initial screen format	The initial screen format is the screen as it would appear with label fields only.
Process control tables	The process control tables define the screen and the programs associated with the format including the order in which to execute them.
Employee Master File inquiry table file	The Employee Master File inquiry table defines the Employee Master File fields to display on the screen.
Transaction Entry Edit program	The Transaction Entry Edit program (PKO110) edits fields entered on a screen with entry capabilities and writes accepted transactions to the Online Pending Transaction file (PKO210).

Edit and Build

The DCI system uses five Online files containing such information as terminal and operator IDs, process control tables, and initial screen formats. These files are shared by all Online systems and are built from a set of input transactions through a process referred to as *edit and build*. One function of the screen generator is to produce the transactions needed by the edit and build procedure to create the DCI information for the specific screen being generated. The transactions for defining the initial screen format and the process control tables for the screen reside in the PKO120 file. Because the edit and build process is independent of screen generation, you can generate as many screens as you need. The resulting DCI transactions are added to or replaced in the PKO120 file before beginning the edit and build procedure.

Diagram This diagram shows the system flow for screen generation.



Screen/Format

An important distinction is made here between *screen* and *format*. Screens and formats are both identified in the system by unique three-digit numbers in the range 001-999.

Note: The DCI process control tables require that the transaction entry program be associated with a format, not a screen. One format can be shared by several screens **only** if the program can also be shared by those screens.

Screen refers to the entire processing entity (all the elements identified for a screen). For example, if you request screen 10, the process control information, format, inquiry table, and program associated with that screen are used to produce the screen for you.

Format is a blank screen map. The format and screen number can be the same but do not have to be. For example, Screen 60 may use format 61. One format can be shared by several screens if the screens have common characteristics for the data fields. A DCI format contains certain basic information about data fields in addition to screen position (length, alphanumeric or numeric, and number of decimals). A DCI format contains **no** information about the source of the data fields. Two or more screens displaying exactly the same kind of data from different places in the Employee Master File can share the same format. This feature is useful in designing a display for large amounts of the same kind of data when one screen is not large enough to contain it all. DOE information is a good example.

Display Fields

To display fields from the Employee Master File, the Online system uses a table defining the segments to read and the fields to display. Each inquiry screen and combined inquiry/entry screen has a unique table associated with it. Tables use the screen number for the key. Entry-only screens do not have a table. The tables reside in the PKO110 file. The Screen Generator processes additions, replacements, or deletions of tables in the file as required.

Note: When a data field in the format is displayed, it is placed in a specific position in a specific transaction regardless of the source of the data.

Entry Fields

Formats with transaction entry capabilities have an associated program that edits the fields you keyed, displays errors for correction, and writes the Online Pending Transaction file record. Fields to be edited are grouped into batch transaction images before processing. One format can process multiple transactions.

Editing

The editing program is constructed by the generator, which merges the specific transaction and field information of the format with the entry foundation program (PPO*xxx* - where *xxx* is the screen number plus 200) in the PKO130 file.

Screen Numbers

Screen numbers 150 through 199 are reserved for user generated screens.HCM:E is delivered with 1-149, 200-, 300-, 500-, 600-, 700-, 800-, and 900-series screens.

Because multiple screens can be generated in one execution of the Screen Generator, PKO130 can contain several programs at any time. A program (PPO630) is provided to select one program and pass it to the compilation process.

Screen Format

The screen format is part of the data given the generator to create a screen. Screen Format defines the initial terminal screen layout, giving the position and value of label fields, and the position and length of data fields. The basic principles of coding a screen format are discussed in the Screen Design section.

Note: Although the Header transaction is discussed later in this chapter, note that the Header record must come before the first screen format record.

Generally, the form on which the screen is designed will be keyed as input. Therefore, when you are designing the screen, follow the rules used by the generator. This ensures that what you design matches what is produced. These rules are listed in the following section. A group of guidelines are also provided after the rules.

Rules

- Each line on the terminal screen must be represented by a format record, in order (top to bottom). Blank screen lines must be represented by blank records.
- A field is delimited by @ characters. The field will appear on the screen in the positions between the starting and ending @ characters for the field. The @ character does not display on the screen, but does take up a screen position.
- The ending @ character of one field may be used as the starting @ character for the next.
- The end of the line may be used as an ending @ character.
- Two @ characters may not appear in adjoining screen positions. At least one space must be between them.
- If the first position immediately after the starting @ character is a ?, the field is a **data** field. Any other information in the field will be ignored. Only 150 data fields may be coded on a screen format.
- If a field is not a data field and there is nonblank information anywhere in the field, the field is a **label** field. The data in the label field will always be displayed. No more than 200 label fields may be coded on a screen format.
- Label fields may not be longer than 65 characters.
- The ¬ character may be used as the starting delimiter for a field to indicate a predefined data field. The ¬ may be used as the ending delimiter for the previous field.
- To produce a screen format, the generator requires that each line on the screen be presented by an input record. Thus, 24x80 screen requires 24 80-column records depicting the screen layout.

Example. For this example, the screen displays name, both lines of address, city, state, and ZIP code for an employee. On line 4 of the screen, you place a label identifying the screen (BASIC EMPLOYEE INFORMATION), with no associated data field. The labels for the data fields are placed on lines 5 through 9. The address lines are labeled AD-1 and AD-2. The ending field delimiters for each label are used as the starting delimiter for the data fields. The ending field delimiters for the data fields mark off the exact length needed to display the field, as indicated by the SRG number chosen. Note that **?** is included in the length of the data field, but **@** is not.

Row	Type	
1	Screen	
2	Format	
3		
4		`@BASIC EMPLOYEE INFORMATION@`
5		`@NAME:@?  @`
6		`@AD-1:@?  @`
7		`@AD-2:@?  @`
8		`@CITY:@?  @ST:@? @`
9		`@ZIP: @?  @`
10		
11		
12		
13		
14		
15		
16		**Note:** These empty rows are required because each screen has 24 rows.
17		
18		
19		
20		
21		
22		
23		
24		

Employee Master File Inquiry Screens

The generator system is **field oriented**. There are no restrictions on choosing what combination of fields to display on one screen. Fields from organization segments, payroll employee segments, personnel employee segments, and even organization and file trailer segments can be mixed on one screen.

Fields can also be placed on the screen in any order and at almost any position. Because of this, the generator needs to know certain information about each of the fields on the screen. For example, how long it is, whether it is alphabetic or numeric, where it is on the Employee Master File, and how many decimals to display for numeric fields.

SRG Fields

For Employee Master File data fields, the generator uses the Special Report Generator (SRG) field tables to provide this information. See the *SRG and TFI Tables* guide for a complete list of SRG field tables. For every data field displayed on the screen, you must provide an SRG number identifying the field so that the tables necessary to access the field Online can be produced. For Online use, a table has been defined using SRG numbers for all the fields in the organization trailer and file trailer segments.

Designing a Screen

Information contained in the SRG table entry for a field is also useful in designing a screen, particularly when determining how long an area to leave for the field on the screen. To create a screen, complete these steps:

Step	Action
1	Decide what fields to display on the screen.
2	Determine the SRG identifier for the fields.
3	Design the screen.
4	Code the transaction that defines the screen and the fields to the generator.

Example. Suppose you want a screen that displays the name, both lines of address, city, state, and ZIP code for an employee.

The SRG identifiers for those fields are listed in the following table. The numbers are 201012, 201017, 201018, 201106, 201107, and 201020. The format code for each of these fields is **01**. From the table, you can see that you need 23 characters to display city, 2 characters to display state, and 5 characters for ZIP code. With this information you are ready to design the screen.

Field Name	Field Number	SRG (Number Print Characters)
Employee Name	201012	35
Employee Name**		
First 5 characters	201013	05
First 10 characters	201014	10
First 15 characters	201015	15
Reserved	201016	30
Address Line 1	201017	30
Address Line 2	201018	30
Address Line 3	201019	25
City	201106	23
State	201107	02
First 16 characters*	201102	16
Postal Code*	201103	07
ZIP Code	201020	05

*Canadian organizations only
**Useful as sort control parameters

Row	Type	
1	Screen	
2	Format	
3		
4		`@BASIC EMPLOYEE INFORMATION@`
5		`@NAME:@?                                        @`
6		`@AD-1:@?                                  @`
7		`@AD-2:@?                                  @`
8		`@CITY:@?                          @ST:@? @`
9		`@ZIP: @?    @`
10		
11		
12		
13		
14		
15		
16		**Note:** These empty rows are required because each screen has 24
17		rows.
18		
19		INQUIRY:
20		DATA 05 201012
21		DATA 06 201017
22		DATA 07 201018
23		DATA 08 201106 201107
24		DATA 09 201020
25	Inquiry	END

Field Types

You need to consider only two kinds of fields when designing a screen: data fields for the information you want displayed and label fields. Label fields are simply what the name implies, fields with predetermined values (literals) put on the screen to identify the data being displayed. A label field can precede a data field to identify it, or it can be any other piece of predefined information you want permanently displayed on the screen. A label field does not have to be associated with a data field; and conversely, a data field is not required to have a label field.

More Options

At first glance, it seems that the screen design in the preceding example is sufficient to produce the name and address display required, and all that remains is to code the generator transactions. However, it might be helpful to display certain non-screen-dependent information on the screen. Such options might include

- Displaying the level 1-level 2 and Employee Number of the employee.
- Including certain Online system functions that you might want to take advantage of.
- Displaying the screen number (each screen has a unique number).
- Providing the screen number of the next screen in the default sequence and the ability to change it.
- Including the Action field, a system process control field that allows the user to control the screen processing.

None of these fields are identified by SRG numbers; they have their own set of identifiers. These fields are called *global* fields, and they are found in the Global Variable Table. We recommend that every screen contain at least the basic set of global fields: Action, Current Screen, Next Screen, Level 1, and Level 2. For screens accessing employee data, Employee Number is also recommended.

Example. This example shows a screen containing the recommended global fields and some basic employee information.

Row	Type	
1	Screen	
2	Format	`@ACTION:@?  @ CURR:@?  @ NEXT:@?  @  @?`
3		`@L1:@? @ L2:@? @ EMPNO:@?  @`
4		
5		`@BASIC EMPLOYEE INFORMATION@`
6		`@NAME:@?  @`
7		`@AD-1:@?  @`
8		`@AD-2:@?  @`
9		`@CITY:@?  @ST:@? @`
10		`@ZIP: @?  @`
11		
12		
13		
14		
15		**Note:** These empty rows are required because each screen has 24
16		rows.
17		
18		INQUIRY:
19		DATA 01 000001 000003 000002 000256
20		DATA 02 000021 000022 000013
21		DATA 05 201012
22		DATA 06 201017
23		DATA 07 201018
24		DATA 08 201106 201107
		DATA 09 201020
		END
25	Inquiry	

Guidelines

Use these guidelines when you design a screen.

- Every field must be enclosed by @ characters, unless end of line is used as the ending delimiter.
- A ? in the first character of a field defines a data field. No other data should appear in the field. A ? in any position but the first will be interpreted as part of a label field.
- Two @ characters may not appear side by side. At least one space must come between them.
- Try to provide enough space to display the entire field. You are allowed to truncate a field on the screen; i.e., provide less space than indicated as needed by the table. However, this may cause problems later, especially for alphanumeric fields on combination screens (reference transaction entry).
- Don't make a screen too busy. Displaying too much data on a screen may cause a comprehension problem for terminal operators. Organize the screen logically.
- Try to make field labels meaningful.
- Label fields are restricted to 65 characters. If a longer field is required, divide the label into two parts by inserting an @ in a blank position somewhere in the middle.
- Only 150 data fields and 200 label fields are allowed on the screen.
- The screen format record set must include one record for every line on the screen, in order. Blank lines require blank records.
- Data in the system is displayed left justified. Logical groups of data fields should be lined up with the same starting position on each line. Therefore, the labels for those data fields should be lined up with the same **ending** position on each line. See the examples in this chapter.

Predefined Data Fields

Usually when designing a screen, data fields are left blank and only label fields have predetermined values. However, in some cases, you may want to prefill a value for a data field. For example, if level 1 is always **AF**, you might want to prefill the data field with that value. Use a special field delimiter, the ¬ character. This delimiter works exactly as does the **@** character, except that it indicates the **following** field is a data field with a predetermined value. The value is coded in the field exactly as for a data field, and ? is no longer needed.

Transaction Entry Screens

An entry screen is used only for entering transactions. There is no inquiry; and when the screen is first displayed to the user, all the data fields are empty.

Transaction entry field processing is transaction oriented. Fields to enter are grouped into 80-character HRMS batch transactions (such as RA) before editing. Thus, a preliminary decision you need to make when designing a transaction entry screen is what transactions to enter from the screen. You do not need to define all of the fields in the transaction on the screen. For example, only one field of a transaction can be defined on a screen and all the others omitted. It is very important to note that all 80 characters of the transaction are edited exactly as they are in the batch system. Fields not defined on the screen are filled with blanks before editing, but if a field that is not defined causes an edit error, all other fields in that transaction are rejected even if they were entered correctly. All required fields for a transaction must be put on the same screen.

Field selection for entry screens is performed in the same way as it is for inquiry screens, except that the Transaction Field Identification Tables (TFI) are used instead of the SRG tables. These tables operate the same way as the SRG tables, identifying a field by a five-character code, the first three identifying the transaction, such as CS1, and the last two digits being the field number within the transaction, for example, CS102. The third character indicates the separator code for the transaction. If there is none, the third position is 0. As with the SRG, the TFI tables also give the expected screen data field length.

Example. Suppose we want to be able to enter all name components, address line 1, and address line 2, city, state, and ZIP code instead of displaying them. The first step is to determine that transactions RB, RC1 and RC2 are needed, with fields RB002, RB003, RB004, RB005, RC101, RC102, RC201, RC202, RC203 from the TFI Tables.

Then screen design continues as described in the preceding sections.

Row	Type	
1	Screen	
2	Format	`@ACTION:@?  @ CURR:@?  @ NEXT:@?  @  @?`
3		`@L1:@? @ L2:@? @ EMPNO:@?  @`
4		
5		`@BASIC EMPLOYEE INFORMATION@`
6		`@LAST NAME:@?  @SUFFIX:@?  @`
7		`FIRST NAME:@?  @  @MIDDLE NAME;@?  @`
8		`@AD-1:@?  @`
9		`@AD-2:@?  @`
10		`@CITY:@?  @ST:@?  @`
11		`@ZIP: @?  @`
12		
13		
14		
15		
16		**Note:** These empty rows are required because each screen has 24 rows.
17		
18		ENTRY:
19		DATA 01 * * * *
20		DATA 02 * * * *
21		DATA 06 RB002 RB005
22		DATA 07 RB003
23		DATA 09 RC101
24		DATA 10 RC102 RC202
25	Entry	DATA 22 RC203 END
26		

Using Global Fields

Global fields are used on entry screens in the same way as they are on inquiry screens. One additional global field is available, Effective Date. If this field is used, the operator can indicate the earliest date on which the transaction can be passed to the batch system. One important note about global fields is that the global fields for level 1-level 2 and Employee Number are used to construct the key for every transaction, except in certain special cases such as ZT and ZV.

Some global fields are used only for transactions. Field numbers 90 to 99 are reserved for every transaction and have the same meanings for every transaction. This table shows these global fields:

Global Field	Comments
90-*ttt*-TRAN-CODE	groups 91 and 92
91-*ttt*-TRAN-CODE-1	
92-*ttt*-TRAN-CODE-2	
93-*ttt*-EMPLOYEE-KEY	groups 94-97
94-*ttt*-LEVELS	groups 95 and 96
95-*ttt*-LEVEL-1	
96-*ttt*- LEVEL-2	
97-*ttt*-EMPLOYEE-NUM	
98-*ttt*-SEPARATOR-CODE	

Note: The variable *ttt* stans for the transaction ID.

Field number 99 is reserved for the error message associated with that transaction. These fields are generally used where a specific transaction needs to override or manually input information that is usually created by the generator, such as transaction ID, separator code, or key. One field of special interest is 99, for example, CS199. This field, always 39 characters long, defines a message field in which the editing program can display any error messages for the transactions entered.

Multiple Transactions

You can include several occurrences of the same transaction (such as ZT) on a single screen,. Because the TFI numbers of the required fields are the same, it might become difficult to distinguish the fields belonging to one transaction from those of another. The sixth position of a TFI number can be used to distinguish fields of different occurrences of the same transaction.

Any character is allowed in this position. All TFI numbers with the same first two characters and separator code are assumed to belong to the same occurrence. Thus RA001A, RA002A belong to one RA transaction and RA001B, RA002B to another.

Note: This also requires tying the message field to a specific occurrence of a transaction. The message fields for the preceding transactions must be RA099A and RA099B. **Blank** is a valid separator code. If RA099 is used in the preceding case, the generator assumes that a third RA transaction was defined on the screen, causing additional Online overhead.

N/R Transactions

In the Payroll system, a series of transactions has the same fields but a different first character: N for new or R for replace. This the RA-RK transaction series. In the screen generation process, either N or R can be used to define the fields. If R is used, the ADD action code can be used to change all the R transaction codes automatically to N. However, if N is used, the transaction ID cannot be changed. We recommend that you use the R codes to generate the screens and use the ADD action code Online when necessary.

Group Fields

In some cases, you might want to combine several individual transaction fields into one group on the screen for easier entry. Most transactions in the TFI table have identifiers that group several individual fields. Also, the entry for each field in the table indicates the identifier for the group field in which this individual field is contained.

Rules and Guidelines

Only 20 transactions can be written out per screen. If a screen design contains more than 20 transactions, split the screen into multiple screens.

Combination Screens

A combination screen is used for both Employee Master File inquiry and transaction entry. Therefore, the screen designer must be concerned with both SRG and TFI numbers when creating the screen. A field on a combination screen can be defined for inquiry only, entry only, or both. In the first two cases, the considerations for the field are the same as for an inquiry-only or entry-only screen. When coding the generator transactions, a separate set of identifiers is given for inquiry field definition and entry field definition.

Rules and Guidelines

- For a field used in only one mode, the identifier for the other mode is Ignore, which tells the generator to ignore this field in this mode. An inquiry-only field on a combination screen has its SRG number in the inquiry field set and **IGNORE** in the entry field set. An entry-only field has Ignore in the inquiry set and its TFI number in the entry set. A combination field has its SRG number in the inquiry set (for display) and its TFI number in the entry set (for keying).

- This double definition of a combination field can be confusing. Both the SRG and TFI contain field type information (alphabetic or numeric and number of decimals) that must match before the generator will accept the fields. However, the generator does allow the field lengths to be different because the length needed to display a field can differ from that required in a transaction. You now have three lengths to consider: the SRG length, the TFI length and the allocated screen area length.
- For a numeric field, differences will not matter. The Online programs truncate or expand the data required. However, extreme care must be used for an alphanumeric field. If a screen field smaller than the size indicated in the table is allocated, the last part of the data to the right is truncated. For example, assume a 30-character field (in both the TFI and SRG) is defined as only 25 on the screen. When the field is displayed, the last five characters are dropped.
- A shorter screen field will also not entirely fill the receiving transaction field. The screen data is put into the left positions of the transaction field and the remainder is filled with spaces. The net effect is that the last data in the sending Employee Master File field is lost for transaction input. Therefore, it is wise to allow on the screen for the exact length indicated by the SRG or TFI. For alphanumeric fields, the SRG and TFI lengths will always match.

Example.

Row	Type	
1	Screen Format	
2		`@ACTION:@?  @ CURR:@?  @ NEXT:@?  @  @?`
3		`@L1:@? @ L2:@? @ EMPNO:@?  @`
4		
5		`@BASIC EMPLOYEE INFORMATION@`
6		`@NAME:@?  @`
7		`@AD-1:@?  @`
8		`@?  @`
9		`@CITY:@?  @ST:@? @`
10		`@ZIP: @?  @`
11		
12		
13		**Note:** These empty rows are required because each screen has
14		24 rows.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

(continued)

Row	Type	
25	Inquiry	**INQUIRY:** DATA 01 000001 000003 000002 000256 DATA 02 000021 000022 000013 DATA 05 201012 DATA 06 201017 DATA 07 201018 DATA 08 201106 201107 DATA 09 201020
	Entry	ENTRY: DATA 01 * * * * DATA 02 * * * * DATA 05 IGNORE DATA 06 RC101 DATA 07 RC102 DATA 08 RC201 RC202 DATA 09 RC203 END

Menu Screens

The menu screen is the first screen displayed in an application system after you complete sign-on and system selection. This screen always has Screen ID 000 and Format ID 001. The menu screen lists all screens available in the system and allows initial screen selection and key input. You can modify Screen 000, or even provide a series of menu screens. Screens (and formats) 150-199 are reserved for you to create customized menu screens.

A menu screen has a special screen use type (see Header Transaction) and data field identifier set. Only global fields are allowed on menu screens. Menu screens you design can be automatically chained to the basic menu (000) and each other (see Screen Numbering and Sequencing).

Overriding Field Characteristics

Both label and data fields have certain default characteristics on the screen. These characteristics are given in the following discussion. When defining the fields to the generator, it is possible to change the default characteristic for the field. For example, it may be desirable to highlight a particular label. Specific rules for indicating override characteristics are given in the explanation for generator transactions. The letter before each override characteristic in the following lists will be used in coding the transaction.

Characteristic Definitions

Keyable You can key data into the field.

Display Only You cannot key data into the field.

Skip *Skip* is applicable only to display only fields. The cursor will not stop at this field, but will jump to the next. For display only fields without this characteristic, the cursor will stop at the beginning of the field although you cannot key data into the field.

Normal The field will be displayed with the normal brightness level.

Bright The field will be displayed with high brightness level.

Dark Data in the field is not visible on the screen. When you key data into a keyable field with the dark characteristic, the data entered is not displayed on the screen. This characteristic is useful for security information, such as a password.

Underscore This is applicable to keyable fields only. The field will be filled with underscore (_) characters when first displayed. This can be used to indicate keyable field size on the screen.

Label Field Overrides

Default Display only, skip, normal.

Override Codes

Value	Description
A	Display only, normal
C	Display only, skip, bright
E	Display only, skip, dark

Inquiry Data Field Overrides

Default

Display only, normal.

Override Codes

Value	Description
B	Keyable, bright
C	Display only, skip, bright
F	Keyable, normal
U	Keyable, underscore

Entry Data Field Overrides

Default

Keyable, normal.

Override Codes

Value	Description
A	Display only, normal
B	Keyable, bright
C	Display only, skip, bright
U	Keyable, underscore

Special Considerations

Global fields, for example level 1, cannot have characteristic overrides.

For a field defined for both inquiry and entry on a combination screen, the override for the entry identifier, if found, takes precedence over that for the inquiry identifier.

Global Fields

Global fields appear on every screen and are independent of the screen usage mode. The following information defines each global field and gives the field identifier to use and screen length to allocate. The user determines the label for each field. Global field characteristics cannot be overridden.

Fields

Action **(ID - 000001 length-4)**

This field is the basic process control field. It allows the screen process sequence to be interrupted, for example to return to the menu screen. For transaction entry, it also controls edit processing, such as indicating ADDs, allowing warnings and flushing invalid data.

Next Screen **(ID - 000002 length-3)**

This field displays the next screen in the sequence as defined by the generator (see Screen Numbering and Sequencing). It may be entered to alter the screen sequence. For entry only screens, the next screen should be defined on the format as a predefined data field.

Current Screen **(ID - 000003 length-3)**

This field displays the screen number of the screen currently being processed. This field is primarily useful on formats shared by several screens. On unique formats, the information could be defined as a label.

Level 1 **(ID - 000021 length-2)**

This is the level 1 used for all internal key information and processing. Once entered, it is stored internally and need not be rekeyed until it is to be changed.

Level 2 **(ID - 000022 length-2)**

Level 2 for internal processing as in level 1.

Employee Number **(ID - 000013 length-10)**

Employee Number for internal processing.

Multiple Record Code

(MRC) (ID - 000014 length-1)

MRC for internal inquiry processing. If it is left blank, the next inquiry searches for the most current set, stores it internally, and displays the MRC it finds. When changing employee numbers, this field should be blanked out to cause the search for the most current set for the new employee.

Note: The MRC is available for inquiry on the Payroll Reporting Detail File only. This file is not available for Online inquiry unless it has been loaded in place of the Employee Master File.

Effective Date

(ID - 000020 length-8)

This date is used for transaction entry or combo screens. It specifies the earliest date on which the transaction can be released to the batch system for processing.

Country Code

(ID - 000025 length-1)

This field is used on any screen where you need to have the country code present due to differences in data format.

System Message

(ID - 000256 length-40)

This field is used to display system messages on a screen. This field should be on every screen.

Screen Numbering and Sequencing

Screens in the Online system are numbered from 000 to 999. Formats are numbered from 001 to 999. In defining a screen to the generator, the user must specify both the screen number and format number to be used (see Header transaction). To minimize confusion, you should use the same number for the screen number and the format number. It may be necessary to use different numbers if the same format is used by more than one screen. Even then, the format number should match at least one of the screens using it.

Available Screen Numbers

When you create screens, you can use screen numbers 150 to 199. Other screen numbers are reserved.

Creating a Sequence of Screens

You can define a series of screens to be processed in a fixed sequence. When you define a screen to the generator, designate the next screen to be displayed after processing for the current screen is finished (see Header transaction). Online programs use this information to switch screens when no alternate information is received, such as from the Action or Next Screen fields.

Generator Transaction Coding

Four types of transactions are used to generate a screen. Each of these types is described briefly in the following discussion. Later sections describe each type in detail.

- The **Header** transaction identifies the screen, indicates the generator processing option desired, and provides other information, such as initial cursor positioning. The Header transaction must always be the first in the group for a screen.
- The **Screen Format** transactions describe the initial format. These records always immediately follow the Header transaction. (Because they have no transaction ID, Screen Format transactions can only be identified by their position in the screen transaction group.) You must have 24 screen format transactions.
- The **Label Override** transactions indicate label field characteristic overrides (see Overriding Field Characteristics). The Label Override transactions immediately follow the Screen Format records, but may be entirely omitted if no label overrides are required.
- **Data** transactions follow the Label Override transactions. If no Label Override transactions are present, Data transactions follow the Screen Format records. Data transactions give the Global, SRG or TFI field identification numbers for the data fields on the screen, and are separated into different sets for the inquiry (SRG) and entry (TFI) fields. The Data transaction IDs are the same in each set, so each set is preceded by a record that identifies the next set. It is not necessary to include a set if that set is not needed. Therefore, an inquiry only screen will have only the Inquiry set, an entry only screen will have only the Entry set, and a combination screen will have both sets. For a combination screen, the Inquiry set must precede the Entry set. The transaction group for a screen is terminated using an End record.

Examples

Examples of the transaction combinations for different screen types are shown below. In every case, the Label Override transactions may be omitted if not needed.

Inquiry-Only Screen

- HDR
- Screen format records
- Label
- Inquiry
- Data
- End.

Entry-Only Screen

- HDR
- Screen format records
- Label
- Entry

- Data
- End.

Combination Screen

- HDR
- Screen format records
- Label
- Inquiry
- Data
- Entry
- Data
- End.

Menu Screen

- HDR
- Screen format records
- Label
- Menu
- Data
- End.

Note: If the screen you are creating reuses a previously defined format, do not include the Screen Format records. The generator program reconstructs the records from the format to reuse. Then, it processes the screen transaction group as if the records were included. The format used must already be generated.

If the Header transaction indicates delete processing, the Header record is the only one required. No other transactions in the group for that screen will be accepted. The End record is not required.

Header Transaction

The Header transaction identifies the screen and indicates the generator processing option. It also provides other information, such as next screen in the default sequence and initial cursor position on the format. Descriptions of the individual fields follow.

Note: The Header transaction must always be the first in the group for a screen.

Fields (positions)

Transaction ID (1-3)

Transaction ID must be **HDR**.

Processing Option (5)

This is a two-character field indicating the processing the generator is to perform. The first character is the major option and must be **A** (Add), **R** (Replace) or **D** (Delete). The second character is the minor option and indicates the specific processing to be performed, based on the major option. A table of valid processing option values is provided following the Header transaction discussion.

System ID (8-10)

System ID indicates the application system for which the screen is being generated. This field should usually be left blank.

Screen ID (11-13)

Screen ID is the screen number being generated. It may have any value from **000-999**.

Format ID (15-17)

This is the format number to be used by the screen. It may have any value from **000-999**. If the field is left blank, the screen number is used to generate the format.

Screen Type (19)

Code	Type
I	Inquiry only
E	Entry only
C	Combination
M	Menu

If this field is left blank or is invalid, the generator assumes **I**.

If the screen type is **M** but the screen number is not **000**, the generator produces a message to warn you that a nonstandard menu screen is being produced (for example, a user submenu of Personnel screens).

Next Screen (25-27)

This is the screen number of the next screen in the display sequence. If the operator does not alter the sequence, the Online System displays the indicated screen after processing the current screen. The valid values are 001-999. **000** is not allowed. If the menu screen is the next screen, this field should be left blank.

Description (31-60)

This is a 30-character field you can use to identify the screen. You can code any descriptive information you want in this field. The information is stored internally and is not used Online.

Cursor Position (63-66)

This field indicates the cursor's screen position when the screen is first displayed to the operator. You must indicate the **exact** position where you want the cursor to appear. Do not use a position occupied by an @ character in the screen format records. This field will be ignored when reusing a format.

Row (63-64)

The first two positions are the screen row (01-24).

Column (65-66)

The second two are the column in the row (01-80).

Example

Create a combination screen using the example of developing a Name and Address screen. This allows the operator to display information **and** to change it. We will assign both screen and format number **150** to the screen. Since it is a new screen and we are generating both screen and format, we need processing option **A**. We want the next screen to be **151**, another screen in the system. For ease of entry, we want to position the cursor at the first character of the name row 07, column 11. This table shows our Header transaction:

Column	Contents	Description
1-3	HDR	Transaction ID
5	A	Processing Option
8-10	Blank	System ID will default to 001
11-13	036	Screen ID
15-17	150	Format ID
19	C	Screen Type
25-27	151	Next Screen
31-60	NAME AND ADDRESS	Description
63-64	07	Cursor Position - Row
65-66	11	Cursor Position - Column
67-80	Blank	Reserved

Result

```
---+----1----+----2----+----3----+----4----+----5----+----6----+-
HDR A     036 150 C     151   NAME AND ADDRESS                0711
```

Processing Options

Values	Description
A	Add a new screen. This option indicates that a new format is to be created, and that the inquiry table and/or transaction entry program is to be generated.
AI	Add a new screen. This option indicates that an existing format is to be reused by this screen. Only the inquiry table will be generated if applicable.
AP	Add a new screen. This option is the same as AI, except that is also requests that the transaction entry program be regenerated. Note that this is not a new program, but the same one used by the existing format.
D	Delete a screen. All Online components of the screen are to be deleted, including the format and inquiry table.
DF	Delete a format. This option is used to delete a format only. Note that screens utilizing the format are not searched for; therefore, care must be taken to ensure that no screens remain that may attempt to access the format.
DI	Delete a screen. This option is used to delete a screen, but not the associated format. This would normally be used in a situation where one format is shared by two screens, but only one is to be deleted.
R	Replace a screen. This option indicates that all Online components of the screen are to be replaced, including the format and inquiry table. The entry program is to be regenerated if applicable. Note that although the screen must already exist, the format does not. The format ID on the Header transaction can specify any format, even if it is not the one originally used by the screen. If the specified format does not exist, it is created. If it does exist, it is replaced.
RI	Replace a screen. This option indicates that an existing format is to be used when replacing the screen. Only the inquiry table will be generated if applicable. The entry program will not be regenerated and the format is not replaced. When using this option, the format specified on the header record must be the same format used when originally adding the screen.
RK	Replace a screen. This option is the same as RI except that the entry program will be regenerated.
RP	Replace a screen. This option is the same as RI except that the format specified may be any existing format, not just the one originally used when adding the screen.
RR	Replace a screen. This option is the same as RP except that the entry program for the format specified will be regenerated.

Label Override Transactions

In some cases, you might want to change the appearance of a field label. For example, you might want to highlight the labels of all required fields on a screen. Label Override transactions are used only if you want to override the default characteristics of a label field (display only, normal intensity, skip). A label field is overridden by giving the screen position (row, column) of the starting @ character and a one-character code for the new characteristic. Here are the valid override codes:

Value	Description
A	Display only, normal intensity, no skip
C	Display only, bright, skip
E	Display only, dark, no skip

- Up to 9 label characteristic overrides can be entered on a Label Override transaction.
- You can enter as many Label Override transactions as you need.
- Blank entries in a transaction are ignored, so entries can be made anywhere on the transaction without requiring previous entries to be filled.

For example, entries 3, 5, and 9 can be used on one transaction and 1, 3, and 4 on the next. The only restriction is that entries must be coded in ascending screen position order (left to right, top to bottom, by row, column. 0101 is the lowest; 2480 is the highest; 0180 comes before 0201).

Example

Let us assume that we want to highlight the BASIC EMPLOYEE INFORMATION label and the State field label (ST:) on the following screen.

Row	Type	
1	Screen	
2	Format	`@ACTION:@?  @ CURR:@?  @ NEXT:@?  @  @?`
3		`@L1:@? @ L2:@? @ EMPNO:@?  @`
4		
5		`@BASIC EMPLOYEE INFORMATION@`
6		`@NAME:@?  @`
7		`@AD-1:@?  @`
8		`@AD-2:@?  @`
9		`@CITY:@?  @ST:@? @`
10		`@ZIP: @?  @`
11		
12		
13		
14		**Note:** These empty rows are required because each screen must have
15		24 rows.
16		
17		
18		
19		
20		
21		
22		
23		
24		

The starting @ character for the first label is Row 4, Column 8, so the position number is **0408**. For the second override, the starting position is **0831**. The override code for highlight is **C**. Consequently, the Label Override transaction appears as follows.

```
----+----1----+----2----+----3----+----4
LABEL  0408 C  0831 C
```

Note: The generator program will accept the override if the indicated position is not the starting @ character, but it does fall somewhere within the label. A warning message will be issued, but the override will be accepted. Thus, we can use any value from **0408** to **0434** and still achieve the appropriate result. The indicated position cannot be the position of the **ending** @ character, so 0335 is not valid.

Description

This table describes each position for the Label Override transaction.

Position	Field Name	Description
1-5	Transaction Code	Constant **LABEL**
6-7	Reserved	**Blank**
8-11	Screen Position for First Label Override	Numeric, 2-position row number followed by 2-position column number.
12	Reserved	**Blank**
13	Override Code	Alpha Valid values are: **A** - Display only, normal intensity, no skip **C** - Display only, bright, skip **E** - Display only, dark, no skip **Blank** – No override code
14-15	Reserved	**Blank**
16-19	Screen Position for Second Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
20	Reserved	**Blank**
21	Override Code	Alpha (Valid values are shown in position 13 above.)
22-23	Reserved	**Blank**

(continued)

Position	Field Name	Description
24-27	Screen Position for Third Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
28	Reserved	**Blank**
29	Override Code	Alpha (Valid values are shown in position 13 above.)
30-31	Reserved	**Blank**
32-35	Screen Position for Fourth Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
36	Reserved	**Blank**
37	Override Code	Alpha (Valid values are shown in position 13 above.)
38-39	Reserved	**Blank**
40-43	Screen Position for Fifth Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
44	Reserved	**Blank**
45	Override Code	Alpha (Valid values are shown in position 13 above.)
46-47	Reserved	**Blank**
48-51	Screen Position for Sixth Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
52	Reserved	**Blank**
53	Override Code	Alpha (Valid values are shown in position 13 above.)
54-55	Reserved	**Blank**
56-59	Screen Position for Seventh Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
60	Reserved	**Blank**
61	Override Code	Alpha (Valid values are shown in position 13 above.)
62-63	Reserved	**Blank**

(continued)

Position	Field Name	Description
64-67	Screen Position for Eighth Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
68	Reserved	**Blank**
69	Override Code	Alpha (Valid values are shown in position 13 above.)
70-71	Reserved	**Blank**
72-75	Screen Position for Ninth Label Override	Numeric Give row and column for the starting position for this override. If left blank, this override is not used.
76	Reserved	**Blank**
77	Override Code	Alpha (Valid values are shown in position 13 above.)
78-80	Reserved	**Blank**

Data Transactions

Data transactions provide the Global, SRG, or TFI field identifier for the data fields on the screen. Data transactions can appear in two separate sets, one for Inquiry and one for Entry.

The mode of a set is determined by a separator record preceding the set, such as Inquiry or Entry. A menu screen has a special set, Menu and Separator. A set does not need to be included if the screen does not use that mode.

- A type **I** screen has only the Inquiry set.
- A type **E** screen has only the Entry set.
- A type **C** screen has both the Inquiry and the Entry set.
- A type **M** screen has only the Menu set.

Rules

The rules for coding Data transactions follow.

Entries

Up to 7 entries can be made on each Data transaction. Blank entries are ignored so that field IDs can be entered on any area of the transaction without the requirement that preceding entries be filled.

Matching IDs to Screen Fields

Every screen field must have a corresponding identifier in each transaction set. Identifiers are matched to screen fields in order of appearance. The first nonblank entry in the transaction matches the first screen data field (left to right, top to bottom). The next used entry matches the next screen field and so on. A data field on a combination (type C) screen has two identifier entries, one in the Inquiry set and one in the Entry set.

Use of Ignore

On a combination screen, a data field can be inquiry only, entry only, or both inquiry and entry. Ignore is used as the identifier if the field is not used in a particular mode. For example, the transaction error message field is not used for inquiry. Therefore, the identifier in the Inquiry set is IGNORE. A field cannot have IGNORE as its identifier in both sets.

Order of Sets

For a combination screen, the Inquiry set must precede the Entry set.

Use of *

For a combination screen, you can use an asterisk (*) as an identifier in the Entry set to indicate that you want to use the same identifier value coded in the Inquiry set for a field. This applies only to Global fields and provides a way to avoid clerical errors in recording Global IDs.

Optional Row Number

Columns 6-7 in the Data transaction can be used to code a screen row number. If this field is found, the generator program verifies that the matching screen field for every identifier on that transaction is on the screen row indicated. If an identifier matches a screen field not on that row, an error message is produced. The optional row number can be used on one transaction and omitted on others.

Field Characteristic Overrides

Each identifier on the Data transaction can have an associated field characteristic override code. The code for an identifier follows the identifier entry with one intervening space (such as column 16 for entry 1, 26 for entry 2, and so on). Global fields and fields using the IGNORE identifier cannot have associated overrides. See Overriding Field Characteristics for a complete explanation of field characteristics. The default characteristic for a field identified in the Inquiry set is display only, normal intensity.

Inquiry Set

Here are the valid override codes:

Value	Description
B	Keyable, bright
C	Display only, skip, bright
F	Keyable, normal intensity
U	Keyable, underscore

The default characteristic for a field identified in the Entry set is keyable, normal intensity.

Entry Set

Here are the valid override codes:

Value	Description
A	Display only, normal
B	Keyable, bright
C	Display only, skip, bright
U	Keyable, underscore

Transaction message fields always have a default characteristic of C.

If a field is identified in both the Inquiry and Entry transaction sets (such as no IGNORE), the default characteristic and any override codes are taken from the Entry set. The Inquiry default and override codes are ignored.

Example

The following example shows the identifier and override codes for the Data transactions used to create a Name and Address screen. Assume we want to highlight the employee name field.

Field	Inquiry	Entry	Override Code
Action	000001	*	
Current Screen	000003	*	
Next Screen	000002	*	
Level 1	000021	*	
Level 2	000022	*	
Employee Number	000013	*	
System Message	000256	*	
Name	201012	IGNORE	B
Address Line 1	201017	RC101	
Address Line 2	201018	RC102	
City	201106	RC201	
State	201107	RC202	
Zip Code	201020	RC203	
Transaction Message 1	Ignore	RC199	
Transaction Message 2	Ignore	RC299	

This table shows the function of each line in the example:

Position	Type	Description
1-7	INQUIRY	Inquiry made from Employee Master File
1-4	DATA	*SSSNNN* *SSS* of 000 are global fields *SSS* = segment number on Employee Master File *NNN* = field number
1-6	IGNORE	No data displayed
1-5	ENTRY	Create batch transactions
1-4	DATA	*XXNNN* *XX* = Transaction number *NNN* = field number

An example of Screen 040 is shown next. Asterisks (*****) are used in the **ENTRY** set for the global fields to avoid recoding the identifiers (and possibly making errors). The transaction message field is not used for inquiry and, therefore, has the **IGNORE** identifier for that set. Note that the **END** record terminates the transaction group for the screen. The **B** on line 29 highlights the name.

```
----+----1----+----2----+----3----+----4----+----5----+----6----+
HDR R     040 040 C     041   BASIC EMPLOYEE INFORMATION  0133
```

Row	Type	
	Header	
1	Screen	
2	Format	`@ACTION:@?   @ CURR:@?  @ NEXT:@?  @   @?`
3		`@L1:@? @ L2:@? @ EMPNO:@?         @`
4		
5		`@BASIC EMPLOYEE INFORMATION@`
6		`@NAME:@?                          @ @?      (39 spaces)     @`
7		`@AD-1:@?                          @`
8		`@?                                @`
9		`@CITY:@?                    @ST:@? @ @?      (39 spaces)     @`
10		`@ZIP: @?    @`
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		**Note**: These empty rows are required because each screen has 24 rows.
21		
22		
23		
24		

(continued)

Row	Type	
25	Inquiry	
		DATA 01 000001 000003 000002 000256
		DATA 02 000021 000022 000013
		DATA 05 201012 **B** **IGNORE**
		DATA 06 201017
		DATA 07 201018
	Entry	DATA 08 201106 201107 IGNORE
		DATA 09 201020
		DATA 01 * * * *
		DATA 02 * * *
		DATA 05 IGNORE RC199
		DATA 06 RC101
		DATA 07 RC102
		DATA 08 RC201 RC202 RC299
		DATA 09 RC203
		END

System Default Transaction

The system default transaction is a special transaction that can be used to provide override or default information for two fields on the Header record, the system number and processing option. The SYS record immediately precedes the Header record for a screen and takes effect for all following screens until another SYS record is encountered.

One function of the SYS record is to override the major processing option (the first character of processing option). Note that only the major option is overridden; the minor option is unchanged. The overriding option is coded in column 5 of the SYS record. If column 6 is blank, the override will take effect only if the major option in the Header record is blank. If Column 6 is an asterisk (*), the major option in the Header will always be overridden.

Coding a system number in columns 8-10 of the SYS record will cause the system number in the Header record to be overridden.

Either function of the SYS record can be used without the other entry being present. A SYS record with both entries blank will reset processing back to its original status.

Screen Generator Header (HDR)

Transaction Description

Position	Field Name	Description
1-3	Transaction Identifier	Required, alphanumeric, reset not applicable, maintenance not allowed. Constant **HDR**
4	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
5-6	Processing Optional	Required, alphanumeric, reset not applicable, maintenance not allowed.
7	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
8-10	System ID - Multiple System Installations Only	Required, numeric, reset not applicable, maintenance not allowed. Valid values are: **001** - Human Resources Management System **002** - Personnel Modules
11-13	Screen ID - 001-999	Required, numeric, reset not applicable, maintenance not allowed.
14	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
15-17	Format ID - 001-999	Required, numeric, reset not applicable, maintenance not allowed.
18	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
19	Screen Type	Required, alphanumeric, reset not applicable, maintenance not allowed.
20-24	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
25-27	Next Screen	Optional, alphanumeric, reset not applicable, maintenance not allowed.
28-30	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.

(continued)

Position	Field Name	Description
31-60	Description	Optional, alphanumeric**,** reset not applicable, maintenance not allowed.
61-62	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.
63-66	Initial Cursor Position (RR, CC)	Optional, numeric, reset not applicable, maintenance not allowed.
67-80	Reserved	Required, alphanumeric, reset not applicable, maintenance not allowed.

Screen Generator Screen Image

Transaction Description

Position	Field Name	Description
1-80	Screen Image by Row	Alphanumeric

Screen Generator Data Field Identification

Transaction Description

Position	Field Name	Description
1-4	Transaction Identifier - **DATA**	Alpha
5	Reserved	
6-7	Screen Row Number for Data Fields on This Transaction (Optional)	Numeric
8	Reserved	
9-14	Data Field ID #1	Numeric
15	Reserved	
16	Override attribute for field #1	Alpha
17-18	Reserved	
19-24	Data Field ID #2	Numeric
25	Reserved	
26	Override attribute for field #2	Alpha
27-28	Reserved	
29-34	Data Field ID #3	Numeric
35	Reserved	
36	Override attribute for field #3	Alpha
37-38	Reserved	
39-44	Data Field ID #4	Numeric
45	Reserved	
46	Override attribute for field #4	Alpha
47-48	Reserved	
49-54	Data Field ID #5	Numeric
55	Reserved	
56	Override attribute for field #5	Alpha
57-58	Reserved	
59-64	Data Field ID #6	Numeric
65	Reserved	
66	Override attribute for field #6	Alpha
67-68	Reserved	
69-74	Data Field ID #7	Numeric
75	Reserved	
76	Override attribute for field #7	Alpha
77-80	Reserved	

Screen Generator Separator

Transaction Description

Position	Field Name	Description
Before Inquiry Data transactions		
1-7	Transaction Identifier - **INQUIRY**	Alpha
8-80	Reserved	
Before Entry Data transactions		
1-5	Transaction Identifier - **ENTRY**	Alpha
6-80	Reserved	
Before Menu Data transactions (used in place of Inquiry for menu screens only)		
1-4	Transaction Identifier - **MENU**	Alpha
6-80	Reserved	
After all transactions for a screen		
1-3	Transaction Identifier - **END**	
4-80	Reserved	

System Default

Transaction Description

Position	Field Name	Description
1-3	Transaction Identifier - **SYS**	Alpha
4	Reserved	
5	Default processing option 1 - A, D, R	Alpha
6	Default control - blank - override OPT1 only if not present	Alpha
7	Reserved	
8-10	Default system ID	Numeric
11-80	Reserved	

Generation Process

Introduction

The information in this topic is used for creating the tables and programs required to process a screen Online. A screen may be identified to the generator program (PPO600) as inquiry only, entry only, both (combined), or a menu.

Process

This table describes the process for generating screens.

Stage	Description
1	The header identifies the screen and the type of generation to be done. Certain other control information is included, such as next transaction ID for default screen sequencing.
2	The screen set defines the screen layout, indicating data field and label positions with label values.
3	The label set overrides the default label field attribute (autoskip, normal intensity) with any other valid label attribute chosen by the user.
4	The data set is in two parts: one for inquiry and one for entry. It is used to identify the data to be displayed or entered in the data fields on the screen. Either part may be absent if it is not needed. The data field identifiers are either GVT (Global variable) filed numbers for global Online fields, SRG (Special Report Generator) field numbers for entry fields.
5	The generator edits the data and produces a report. Edits include verifying the validity of a data field identifier and making sure all screen data fields have a corresponding identifier. For an entry screen, the generator also keeps track of how many unique batch transactions are contained on the screen.
6	The edit fields are grouped into sets comprising individual **batch** image transactions. These transactions are processed Online by code that edits **all** the fields in the transaction, whether or not every field is present on the screen. The generator also produces warning messages to indicate when a field is not present on the screen.
7	When a screen passes the edits without errors, the generator writes the data needed to process the screen.
8	Process control data and screen mapping information are written for every screen to the PKO120 file.
9	For inquiry and combo screens, a table is created defining the Employee Master File segments to be read and the data to be displayed, and written to the PKO110 file. This table is used Online by PPO100, the Master Inquiry program. **Note:** No Screen Edit program is produced for an inquiry screen.

(continued)

Stage	Description
10	For entry and combo screens, a program is produced which edits the data fields entered on the screen. The program is written to the PKO130 file.
11	The transactions data that will be displayed are defined in a table. This table is written to the PKO110 file. This table is used by the Transaction Inquiry program, PPO110.
12	For combined inquiry/entry screens, tables are written to the PKO110 file for both Master and Transaction File inquiry. A screen edit program is produced and written to the PKO130 file.
13	The records on PKO120 are used to create the DCI control files. PKO120 contains records describing every screen in the system and other system related information.
14	The records are stripped off to a work file by the **Strip** function of PPO610, the file maintenance program for PKO120. This is required for each system, 1 and 2. VSE users must delete the system 1 and/or 2 records from the DCI LK2000 file. Using LPDLET and IDCAMS, update the LK2000 file with records from the work file. This update is required for each system, 1 and 2.
15	The selected records are read into EDTSRC, sorted, edited for internal consistency, and output to another work file.
16	The edited records are read into BLDTBL, which recreates the four Online DCI files. ▪ LKTERM contains terminal and operator IDs. ▪ LKTRAN contains process control information ▪ LKSCRN contains mapping information ▪ LKTWAD contains terminal work areas.
17	PKO130 may contain multiple programs if more than one screen was processed by the generator. The actual compilation procedure varies depending on the system and compiler available. Program PPO630 selects individual edit programs and passes them to the compiler. The load module produced by the compile/link-edit procedure must reside in the Online program load library.

Generator Program Messages

This section lists all the messages issued by the Screen Generator program with the associated severity level. The severity level values are as follows:

Values	Description
I	Information only.
W	Warning. A warning message indicates a condition you should be aware of. This usually allows the screen to generate successfully. You should examine the message carefully. **Note:** The warning condition may change the original processing of the screen.
E	Error. An error message indicates a condition that will not allow the screen to generate successfully. Some error conditions will allow the remainder of the input transactions to be edited before terminating the screen. Others cause the screen to be terminated immediately and the remaining input transactions to be ignored. Errors for a particular screen affect only the indicated screen; other screens in the same generation execution will be processed independently.
D	Disaster. A disaster message indicates a condition that not only terminates processing for the current screen, but also terminates the generator execution without any processing for following screens. A disaster condition is usually caused by errors occurring during the file I/O operations after the screen has successfully passed all edits. Synchronization between the PKO110 and PKO120 files is critical. A disaster message usually means that something has happened to put these two files out of sync.
N/A	Not Applicable

Messages of Special Importance

If...	Then...
The **63-Screen Accepted-Processing Complete** message does not appear	The screen was not generated.
The **50-Previous Errors - Processing Ended** message appears	An error condition has occurred that allows further editing of the screen. The screen was not generated, and you should look for any error messages to determine the data in error. (Multiple errors could have been detected.)
A **57-Record Bypassed Due to Previous Errors** message appears	An error condition has occurred that does not allow further processing of the screen. This message indicates all transactions that were ignored. Multiple 57 messages may appear. A message that describes the error condition is displayed immediately before the first of the 57 messages.

Screen Generator Message	Severity Level
01 - End Of Input	I
02 - First Card Not Header	E
03 - Processing Option Invalid	E
04 - Inquiry ID Not 1-300	E
05 - Screen ID Not Numeric or Not 1-999	E
06 - Next Inquiry Not 1-300	E
07 - Cursor Position Invalid	E
08 - Menu ID Not 01-05 - Menu Ignored	N/A
09 - Menu Position Invalid - Menu Ignored	N/A
10 - Not Enough Screen Cards	E
11 - @ Must Be First Char on Row	E
12 - Two @ in a Row	E
13 - Ok	I
14 - Label More Than 65 Chars - 65 Used	W
15 - More Than 200 Labels	E
16 - Warning - Scr Type Invalid - I Used	W
17 - 1st Post @ But Last Line Ends With @	N/A
18 - More Than 150 Data Fields	E
19 - Unexpected End of Input	E

Screen Generator Message	Severity Level
20 - Invalid Card ID - Expecting Label	E
21 - Position Invalid	E
22 - Overrides Out of Sequence	E
23 - Override Attr Invalid - Ignored	W
24 - Matching Label Not Found	E
25 - Warning - Position Not First of Label	W
26 - Invalid Card ID - Expecting Data	E
27 - Fld Number Not Numeric Or Is Zero	E
28 - Fld Number Not In Allowable Range	E
29 - Segment or Transaction ID Not Found	E
30 - DOE Assumption ID Not Numeric	E
31 - DOE ID Not 01-90	E
32 - Reserved	I
33 - Fld Screen Lnth Does Not Match Data	W
34 - Global Fld ID Not Found	E
35 - Data Field Counts Do Not Match	E
36 - SALTA ID Not 00-19	E
37 - Screen Not Found	E
38 - Screen Already Exists	E
39 - Format Not Found	E
40 - Unexpected File Error in Phase 5	D
41 - Format Already Exists	E
42 - Format ID Not Same as Screen Record	E
43 - Format Type Not Same as Screen Type	E/W
44 - Warning - Menu to be Deleted	W
45 - Unexpected File Error in Phase 7	D
46 - TXN INQ File Error in Phase 11	D/E
47 - Reserved	I
48 - CANA Type 4/*5 & 6/7 Tax Segs Invalid	E
49 - Screen Generation Parameter End	I
50 - Previous Errors - Processing Ended	E
51 - Phase 7 - More Than 50 Segments	E
52 - Screen ID 000 Belongs to Menu	E
53 - Screen ID 001 Belongs to Menu	E

Screen Generator Message	Severity Level
54 - Row Indicator Invalid - Ignored	W
55 - Warning - Row Numbers Do Not Match	W
56 - System ID Invalid	E
57 - Record Bypassed Due to Previous Errs	I
58 - System Default Value Accepted	I
59 - No Data Cards Found - Screen Flushed	E
60 - Inquiry Data Header Missing	E
61 - Entry Data Header Missing	E
62 - Entry Data Field - Ignore - Invalid	E
63 - Screen Accepted - Processing Complete	I
64 - Reconstructed Format	I
65 - Catastrophic Error - Run Aborted	D
66 - Tran Code in Txt But Not in TFIT	E
67 - Inquiry Data Field Definition Start	I
68 - Entry Data Field Definition Start	I
69 - Menu Data Field Definition Start	I
70 - Field Counts	I
71 - No Matching Screen Field	E
72 - Warning Scr Type Menu But Not Scr ID	W
73 - Menu Data Header Missing	E
74 - Field Not Allowed on Menu Screen	E
75 - C Processing Option Invalid	E
76 - Processing Opt Invalid for Scr Type	E
77 - Precoded Data Field Has No Value	E
78 - Field Types Do Not Match	E
79 - Duplicate Fields	W
80 - Field and Group Both Occur	W
81 - Missing Fields	W
82 - More than 20 Transactions	E
83 - Work File Not Large Enough for Prog	E
84 - PGM File Out of Space	E
85 - Duplicate Global Field	E

Screen Generator Message	Severity Level
86 - Warning - Action (1) - - Not Found - Next Screen (2) - Curr Screen (3) - Level 1 (11) - Level 2 (12) - Empl Num (13) - MRC (14) - Eff Date (20)	W

Inquiry Module Overview

The inquiry key is read from internal storage. If it is blank, processing is terminated. This results in an empty screen (no data fields).

For a valid key, PKO110 is read to retrieve the inquiry table, using the internal transaction ID of the screen as the key. If an error is encountered, a message is displayed and processing terminates.

The inquiry table is used to determine which Employee Master File segments to read. As each segment is read, it is moved into a screen buffer stack area. Selected fields are moved from the stack areas to the screen. This occurs under the control of the Field Description Table (FDT) in the inquiry table record by calling LPFSCR. Fields are not moved to the screen until all segments are read for the screen.

When an error occurs on a segment read, the action taken depends on the type error and the segment that caused it. For any error except "segment not found" the segment ID is interrogated to determine if it is a required or optional segment. If optional, processing continues but the FDT entries for that segment are eliminated. If required, a message is displayed and processing terminates. When all requested segments have been read, the program checks to see if the screen consisted only of optional segments, none of which were found. If so, a message is displayed and processing terminates.

Edit Module Overview

Use the Field Description Table (FDT) generated for this screen to call LPSCRF to input the data from the screen into the transaction I/O area.

The generator created code to perform the edits for this screen. For a single transaction type, the code is **PERFORM ttt-EDITS** (where *ttt* is the transaction ID). If a transaction exists in multiples, the code will be performed once for each occurrence.

After all edits have been performed, the program checks for errors by testing ERR-INDICATORS for spaces.

If errors exist, the program checks to see if they are just warnings (no "E" error indicators).

If the errors are only warnings, the program retrieves and tests the ACTION field. If the field is WOK or ADDW, the program proceeds as if no errors occurred.

If errors or warnings are not acceptable, the program determines the message output requirements based on the generated code and output messages. The generator determined the total number of available output message fields. If equal to the total number of individual transactions, no message compression occurs. If less than the total transactions, the error and warning messages are moved up in the message area stack. This eliminates blank entries.

If the transaction is accepted or valid, the transaction I/O area is passed to the write module that writes transactions to PKO210. If the write module returns an error condition, a message displays and control is returned to the beginning of the edit phase.

Edit Program General Structure

Identification Division

- Program ID derived from screen number. Example: PPO*nnn*, where n*nn* is the screen number + 200
- Proprietary information.

Environment Division

- Standard

Data Division

The data division is made up of the Working Storage Section and the Linkage Section. These sections are described in the following table.

Section	Components	Detail
Working Storage Section	Standard DC copybooks	
	Edit global work areas and constants	
	Employee Master File key and record descriptions	
	Transaction I/O Buffer (see Transaction File layout)	▪ Prefix area ▪ Transaction area – one 80 byte area for each transaction subscripted ▪ Message area – one 39 byte area for each transaction subscripted.
	Field Description Table for data on screen	
	Transaction Field Storage Definitions	▪ One 01 level for each unique transaction processed on the screen ▪ COPY PFO*ttt*.
	Transaction Messages	▪ One 01 level for each unique transaction processed on the screen ▪ COPY PFO*ttt*.
Linkage Section		▪ DCI Linkage Area ▪ PKO210 record area, PKO220 record area.

ttt = transaction ID

Procedure Division

- Standard DCI initialization
- Edit main processing
- Perform Pre-Edits, Call PPO2NA
- Perform editing code
- Perform Post-Edits, Call PPO2NB
- Editing Code (one section for each unique transaction)
- Copy PDO*ttt.*

Release for Processing

The edit program produced by the generator executes all updates to the Pending Transaction File or Selected Transaction File (PPO*nnn*; where *nnn* = screen number + 200).

Release for Processing is initiated by executing the Select program (PPO710). This program operates under the control of selection parameters entered on the **OB** transaction. See *Transaction Descriptions* for more information. Each parameter indicates the level 1, level 2, selection date, and type of transactions to be selected. For each level 1-level 2 entered, you can choose the type of transactions to be selected for processing. Any combination of the following types may be selected:

- Adjustment transactions
- Time-entry transactions
- Maintenance transactions.

Process

Stage	Description
1	Transactions in a level 1-level 2 are selected for processing if they have an effective date less than or equal to the selection date and match the transaction type(s) selected. If no selection date is entered, all transactions in that level 1-level 2 are selected based on transaction type. ▪ You can enter multiple level 1-level 2s. All level 2s for a level 1 on the file can be processed by entering level 1 and entering blanks in level 2. ▪ It is not necessary to sort the control card input before executing PPO710.
2	Selected transaction records are assigned a sequence number, written to the Selected Transaction File (PKO220), and deleted from the Pending Transaction File (PKO210). The Selected Transaction File is a reusable file that is created each time the **Select** program (PPO710) is executed. Before the transaction records are deleted, they are written to a backup file (PKO740).
3	The Format program (PPO720) reads the Selected Transaction File and reformats the records into those expected by the Sort before Transaction Validate (PLP400). Any blank transactions are dropped. A report is produced detailing the transactions created with source (terminal and operator) and timestamp included.

(continued)

Stage	Description
4	The records produced by the Format program and Transaction Load (PLP200) are sorted together to create input to Transaction Validate (PLP400).
5	If an Online transaction fails the validation, you can modify it on the Selected Transaction File (PKO220), using the sequence number assigned by Select. This number is printed on the Transaction Validation report.

PPO630 Program Select

PFO630 Select Transaction File

The PFO630 select transaction file identifies which programs are selected from a master program file, which DBSSMP options are to be active, whether to produce a CBL COBOL option transaction, and which CBL options are to be used. The file is comprised of three different transaction types. The transaction types **must** be entered in the order shown below.

- Control - CTL
- COBOL option – CBL (optional)
- Select - SEL.

Control Transaction

Position	Definition	Acceptable Value(s)
1-3	Transaction Code	**CTL**
4	Reserved	**Blank**
5	DBSSMP UPDTE switch	**Blank**, **Y** or **N**
6	DBSSMP INCLD switch	**Blank**, **Y** or **N**
7	CBL transaction active	**Blank**, **Y** or **N**
8	/* after each program	**Blank**, **Y** or **N**
9	/* after end program	**Blank, Y** or **N**
10-80	Reserved	**Blank**

For MVS, the default options are **N**, **N**, **N**, **N**, **N** respectively. A blank activates the default options.

```
----+----1----+----2----+----3----+----4----+----5
CTL NNNNN
```

For VSE, the default options are **N**, **N**, **Y**, **N**, **Y**. A blank activates the default options.

```
----+----1----+----2----+----3----+----4----+----5
CTL NNYNY
```

COBOL CBL Transaction

This transaction only needs to be present when the MVS option is changed to Y and the MVS CBL defaults need to be changed or when the VSE CBL default options need to be changed. The MVS defaults are OPT, LIB, and SXREF; the VSE options are OPT, LIB, SXREF, and CATALR. The transaction format is:

Position	Definition
1-3	CBL
4	Blank
5-79	Whatever is printed in these positions will appear in positions 6 through 80 of the CBL transaction.
80	Blank

Select Transaction

The Select transaction identifies the programs to select from the program master. This transaction must be present. This table shows the transaction format:

Position	Definition
1-3	SEL
4	Blank
Choose the following two positions together:	
5-7	ALL
8-80	Blank
Or choose the following three positions together:	
5-10	Program name
11	Blank
12-80	Nine additional program names and fillers

Placing the value **ALL** in Positions 5-7 results in all programs being selected from the program file. If individual program names are specified, they must be listed in ascending alphanumeric order. The number of **SEL** transactions that may be entered is unlimited.

Generating User Transactions

The HCM:E system provides the ability to generate screens for user-defined transactions in the same manner as for delivered transactions. Five copybooks are involved in creating a transaction Online. After you have coded or modified these copybooks, you can use the transaction like any delivered transaction for screen generation.

Transaction Code

You begin defining your transaction by determining the transaction code and defining the transaction field identifiers (TFI) for the fields in the transaction. For Online use, the transaction code is three characters (*tts*). The first two are the transaction ID (for example, RL). The third character is a separator code or zero. Therefore, the Online transactions for the delivered user transactions are CS4, PJ0, PJ1, PJ2, PK0, PK1, PK2, PK3, PK4, PK5, PK6, PK7, PK8, PK9, RL0, RM0, and RN0.

Transaction Field Identification (TFI)

Every field defined in a user transaction must be given a five-character TFI code. The first three characters are the Online transaction code; the last two are two-digit field numbers, assigned sequentially from left to right (starting at 01) in the transaction. The key fields in every transaction are already defined by the transaction Global identifiers. Key fields are:

Position	Field
1-2	Transaction code
3-6	Level 1-level 2
7-16	Employee number
17	Separator code (Personnel only)

User field definitions should start with position 17 for Payroll transactions and position 18 for Personnel transactions.

To define the TFI codes for fields in the transaction, you must enter four characteristics for each TFI code:

- Starting position in the transaction (relative to 1)
- Field length
- Field format
- Group ID.

This information is used to update the TFI copybook, PCOFIT. The group ID is the field number (last two positions of ID) of the group field *containing* this field. If the field is not in a group, the group ID will be **00**. The field format is a two-digit code identifying the use of the field on the *screen*. Decimal points indicated by a format code will be stripped off before the field is put into the transaction.

The following format codes are valid:

01 - Alphabetic
60 - Numeric, no decimals
62 - Numeric, 1 decimal
63 - Numeric, 2 decimals
64 - Numeric, 3 decimals
65 - Numeric, 4 decimals
67 - Unpacked date (8 positions), ***MM/DD/YY*** (not used by HCM:E)
68 - Unpacked date (10 positions) format, ***MM/DD/YYYY*** or ***DD/MM/YYYY***.

Special Report Generator (SRG)

Selection and Print Control Charts

The following format codes are valid:

00 - Packed data - no edit except zero suppress
01 - Alphanumeric data - no edit
02 - Packed data - edit with no decimals
03 - Packed data - edit with 1 decimal
04 - Packed data - edit with 2 decimals
05 - Packed data - edit with 3 decimals
06 - Packed data - edit with 4 decimals
07 - Packed date format - ***MM/DD/YYYY*** or ***DD/MM/YYYY*** (10 positions) (used as of 98.25)
08 - Packed date format - ***YY/MM/DD*** (8 positions) (not used by HCM:E)
09 - Packed date format - ***MM/DD/YY*** (8 positions) (not used by HCM:E)
10 - Packed data - no edit, no zero suppress
11 - Unpacked data - edit with no decimals
12 - Unpacked data - edit with 1 decimal
13 - Unpacked data - edit with 2 decimals
14 - Unpacked data - edit with 3 decimals
15 - Unpacked data - edit with 4 decimals
16 - Unpacked date format - ***YYMM***
17 - Unpacked date format - ***YY/MM/DD*** (8 positions) (not used by HCM:E)
18 - Unpacked date format - ***MM/DD/YY*** (8 positions) (not used by HCM:E)
19 - Unpacked date format - ***MMDD*** or ***MMYY*** (4 positions)
20 - Unpacked data - no edit except zero suppress
30 - Packed telephone number format - nnn-nnn-nnnn
31 - Packed date format - ***YYDDD***

Creating Screens Using Employee User Segment Information

To create screens using information from the employee user segments (segments 500, 800, 801), the user segments must be properly defined in the SRG tables.

The following copybooks will require certain changes based on which user segments have been defined:

- PCSRAM
- PCSRTM
- PCSSRA
- PCSSRT.

Expand the WT-01-TABLES definition in copybook PCSSRT to include the field definitions required for the payroll 500 segment fields you have defined.

The PERS-WT-01-TABLES definition in copybook PCSRTM contains an 05 level for WT-SEGMENT-800. You must add the field definitions required for the personnel 800 segment fields you have defined. If you have defined an 801 segment, you will need to expand the PERS-WT-01-TABLES definition in copybook PCSRTM to include these field definitions.

The only change required in Screen Generator is modifying the Selection and Print Control Chart. Show the field names and associated field numbers of the 500, 800 and 801 segment fields you have defined in the SRG.

When new fields are added to the Employee Master File, all values in the PCSSRA-PAYR-ALL-SEG (PCSSRA) and PCSRAM-PERS-ALL-SEG (PCSRAM) segment definition tables are altered accordingly. These changes include adjustments to the 500 segment and 800 segment table entry values. Positions 4 through 6 of these tables entries are always set to zeros when such changes are made. You must replace these zero values with the correct number of fields that you have defined for these two segments. If you have defined additional user segments (such as the 501 or 801 segments), the values in positions 7 through 10 and 11 through 15 of these additional table entries must also be changed accordingly.

The OCCURS clauses in the field definition tables (PCSSRA and PCSRAM, respectively) are also changed whenever HCM:E adds new Employee Master File fields. You must change the values in these clauses to reflect the number of Payroll and Personnel user fields you have defined.

Payroll User Segments

Step	Action
1	Add the following group level to copybook **PCSSRT** immediately prior to line 700000 containing the 02 group level WT-01-TAB. `----+----1----+----2----+----3----+` **`500000          05  WT-SEGMENT-500.`**
2	Add the field definitions for each additional 500 series segment to the field definitions table. You must add a 500000 series line number for each unique field in the 500 segment. Starting at line number 500001 add this line: `10  FILLER PICTURE S9(7) VALUE +9999999.` The seven-position numeric value +9999999 must be replaced by a specific value unique to the field you are defining. It is formatted as follows: *ssssfftt* *sss* = (1-3) starting position of the field from beginning of segment that contains it. This value is always **025** for the first 500 segment field. *ff* = (4-5) length of the field *tt* = (6-7) SRG format code (See the SRG selection and print control chart earlier in this chapter.) The line number for the field is the SRG number.
3	Change the **OCCURS** clause redefining the table to reflect the new entries, in line 700200 in copybook **PCSSRT**. The new value must be the sum of the existing value and these additional definitions.
4	Following the 500 segment entry in the PCSSRA-PAYR-ALL-SEG segment definition table, add a definition for each additional *50x*-series segment. Each definition must be a complete additional entry in the table. Insert the entries immediately after the 500 segment entry at line 750120. Format each entry as line 750120 while the 15-position VALUE clause value must be constructed individually for each additional segment as follows: *sssfffttttddddd* ***sss* = (1-3)** segment number of the Employee Master File record. ***fff* = (4-6)** maximum number of fields you have individually defined to SRG for this additional segment. ***tttt* = (7-10)** total number of entries (FILLERs) defined to WT-01-TABLES prior to the first entry for the segment. This value is computed by adding the values of positions 4 - 6 and 7 - 10 from the immediately preceding table entry and entering this sum in positions 7 –10. ***ddddd*** = (11-15) adjusted displacement value used to locate the fields in copybook PCPEML. It is the starting character of this specific additional segment record definition from the beginning of the Payroll logical master record definition in copybook PCPEML, less five characters. Add the length of the segment defined in the immediately preceding table entry to the value of positions 11 – 15 of this preceding entry and enter this sum in positions 11 – 15.
5	The **OCCURS** clause in line 753000 must also be changed to reflect the number of additional PCSSRA-PAYR-ALL-SEG table entries that you create.

Personnel User Segments

Step	Action
1	Depending on whether both the 800 and 801 segments are being defined in the SRG, add the following group level to copybook **PCSRTM** immediately prior to line 900000 containing the 02 group level PERS-WT-01-TAB. The 05 group level has already been defined for segment 800 on line 800000. `----+----1----+----2----+----3----+` **`801000          05  WT-SEGMENT-801.`**
2	Add the field definitions for each additional 800 and 801 series segment to the field definitions table. You must add an 800000 series line number for each unique field in the 800 segment and an 801000 series line number for each unique field in the 801 segment. **`10  FILLER PICTURE S9(7) VALUE +9999999.`** The seven-position numeric value +9999999 must be replaced by a specific value unique to the field you are defining. It is formatted as follows: ***ssfftt*** ***sss*** = starting position of the field from the beginning of the segment containing it. ***ff*** = length of the field ***tt*** = SRG format code (See the SRG selection and print control chart earlier in this chapter.) The line number for the field is the SRG number.
3	Change the **OCCURS** clause redefining the table to reflect all the new 800/801 entries, in line 900200 in copybook **PCSRTM**. The new value must be the sum of the existing value and these additional definitions.
4	Following the 800/801 segment entry in the PCSRAM-PERS-ALL-SEG segment definition table, add a definition for each additional *80x*-series segment. Each definition must be a complete additional entry in the table. Insert the entries immediately after the 800/801 segment entry at line 980000. Format each entry as line 980000 while the 15-position VALUE clause value must be constructed individually for each additional segment as follows: ***sssfffttttddddd*** ***sss*** = (1-3) segment number of the Employee Master File record. ***fff*** = (4-6) maximum number of fields defined to SRG for this segment. ***tttt*** = (7-10) total number of entries (FILLERs) defined to WT-01-TABLES prior to the first entry for the segment. This value is computed by adding the values of positions 4 - 6 and 7 - 10 from the immediately preceding table entry and entering this sum in positions 7 –10. ***ddddd*** = (11-15) adjusted displacement value used to locate the fields in copybook PCPMLM. It is the starting character of this additional segment record definition from the beginning of the Payroll logical master record definition in copybook PCPMLM, less five characters. Add the length of the segment defined in the preceding table entry to the value of positions 11 – 15 of this preceding entry and enter this sum in positions 11 – 15.
5	For 801 segment definitions, change the OCCURS clause in line 990100 to reflect the number of additional PCSRAM-PERS-ALL-SEG table entries created.

Generator Program Copybooks

Entries for user transactions must be added to copybooks PCOTXT and PCOFIT, which are used in screen generator program PPO600. PPO600 must then be recompiled and linked before screens containing the user transactions are generated.

PCOTXT

Description

PCOTXT is the Transaction Cross-reference Table and contains basic information defining the transaction ID. Each entry is seven characters. The first six are the three-character transaction code repeated twice, such as RL0RL0. The last character of the entry defines the use of the transaction. These values are valid:

Value	Description
C	Company transaction
E	Employee transaction
Z	Generation-determined transaction

A Z transaction will use code C if another company transaction is on the screen, or E if only other employee transactions are on the screen. If only other Z transactions are on the screen, or if the other transactions are a mix of C and E, it will use code C.

Placement in the Table

Each entry must be placed in the table in ascending sequence by the first three positions, and the table count (TXT-ENTRY-OCCURS*nn*) must be incremented for the new entry.

PCOFIT

Description

PCOFIT is the Transaction Field Identification table.

Each identifier defined for the transaction requires an entry in the field portion of the table (TFIT-FIELD-VALUES). The field entries form a group arranged in order by the field number portion of the identifiers (last two positions). For example, if transaction RL0 were defined as having identifiers 01-75, seventy-five individual entries would be required and would be placed in the table in contiguous positions in ascending order.

The field number is not part of the table, but is used as an index to the field group for the transaction. For example, if the field entry for identifier RL005 was required, the program would search for the fifth entry in the group for RL0.

Composition of Field Entries

Each field entry is nine digits. The entry is constructed as follows:

Position	Field
1-3	Offset in the transaction (relative to position 1)
4-5	Length
6-7	Format code
8-9	Group ID

Transaction Placement

The group for a transaction should be added after the last existing group of field entries. The transaction portion of the table points to the field entry groups, so the relationship to other groups is not important.

The transaction portion of the table (TFIT-TRANSACTION-VALUES) shows where a field group starts for a transaction and indicates the number of entries in the group. The entry for a user transaction may be added after the last existing transaction entry. Each entry is 10 characters, constructed as follows:

Position	Field
1-3	Transaction ID (*tts*)
4-6	Number of field entries
7-10	Offset of the first entry position from the beginning of the table

Note: The transaction entries in the table (when the system is delivered) are in the same order as the field groups. Therefore, if the field entries for the new transaction are added after the last field group, the offset of the first entry position can be calculated by adding the number of field entries (4-6) to the first entry position (7-10), using both fields from the last transaction entry.

Occurrence Count

After adding the field entries, the occurrence count of the field portion of the table (TFIT-FIELD-ENTRY) must be incremented by the number of entries added. Likewise, the occurrence count of the transaction portion (TFIT-TRANSACTION-ENTRY) must also be incremented by the number of transactions added. Both new occurrence counts should then replace the respective values coded in the TFIT-COUNTS fields at the end of the table.

Transaction Copybooks

Each transaction has three associated copybooks. These copybooks must be coded and placed in the copybook library before screens containing the transaction can be generated. The copybook names are PCO*tts*, PDO*tts*, and PFO*tts*, where *tts* is the Online transaction ID. These copybooks are used by the Online transaction entry program. PFO*tts* is the transaction field storage definition that identifies the fields in the transaction to the editing code. PCO*tts* contains the error and warning messages for the transaction. PDO*tts* contains the editing code.

Coding Rules

Use the following rules for coding each of the copybooks:

Copybook PFO*tts* - Transaction Field Definition

- The copybook begins with an 01 level labeled *tts*-FIELDS.
- The beginning portion of the transaction must be coded exactly as shown in the following illustration. The separator code definition placement depends on the individual transaction. The level number is the position in which the level is coded.

```
--1----+----2----+----3----+----4----+----5----+----6----+----7----+--
01  tts-FIELDS.

    12  tts-TRAN-KEY.
        16  tts-TRAN-CODE.
            20  tts-TRAN-CODE-1        PICTURE X     Value Low-Values.
            20  tts-TRAN-CODE-2        PICTURE X     Value Low-Values.
        16  tts-EMPLOYEE-KEY.
            20  tts-LEVELS.
                24  tts-LEVEL-1        PICTURE XX    Value Low-Values.
                24  tts-LEVEL-2        PICTURE XX    Value Low-Values.
            20  tts-EMPLOYEE-NUM       PICTURE X(10) Value Low-Values.
    12  tts-DATA.
        16  tts-SEPARATOR-CODE         PICTURE X     Value Low-Values.
```

- Transaction fields are coded following the *tts*-DATA group field, and should begin with level 16. No other 12 levels should be defined. Value clauses and packed fields are not permitted.
- Field names should begin with **tts-**. In many cases, it may prove valuable to use the field identifier as a prefix, such as **tts*nn*-**.
- All 120 characters in the transaction must be defined.
- Any work areas needed by transaction editing should be made part of the field definition copybook under a separate 01 level named *tts*-WORK-AREA. The work area may contain items with value clauses.

Copybook PCOtts- Transaction Messages

- The message copybook must begin with an 01 level labeled *tts*-MESSAGES. Each message should be a 12 level labeled *ttsnn*-MSG where *ttsnn* is the message ID. The PICTURE for each message data item is X(39).
- Each message issued by the editing code should be assigned a number. The first seven characters of the message text should be the message ID followed by the severity level. The message ID is *ttsnn*, where *nn* is the message number. The severity level is **E** (Error) or **W** (Warning). For example, if message 5 for transaction RL were an error message, the first seven characters would be RL005-E.
- The message text must be 39 characters, including the prefix. Therefore, you have 31 characters of text available for the message, assuming that you use a space after the severity level.
- Messages need not be numbered sequentially. The editing code will access the message by data name.

Copybook PDO*tts* - Transaction Editing Code Rules

- Each editing code copybook defines a performed section. The section name is *tts*-EDITS.

The section must be exited by using a section exit statement with the paragraph labeled *tts*-EXIT.

- The following code must be the first to be executed in the section:

```
---+----2----+----3----+----4----+----5----+----6----+----7
ADD 1 TO TRANS-SUB.
MOVE TIA-TRANS-RECORD (TRANS-SUB) TO tts-FIELDS.
IF tts-DATA EQUAL TO SPACES, GO TO tts-EXIT.
```

- After the above code is executed, the editing routine fills in the key information (transaction code, employee key, separator code) before beginning to edit the transaction.
  - Transaction and separator codes
    For user transactions, usually this information can be coded in the routine (such as, MOVE 'RL' TO *tts*-TRAN-CODE). However, the edit routine can also access this information from a table in Working-Storage, indexed by TRANS-SUB. Where the separator code is zero, the system automatically initializes to spaces. The table format is:

```
----2----+----3----+----4----+----5----+----6----+----7
16  MLS-TRAN-CODE.
    20  MLS-TRAN-CODE-1                PICTURE X.
    20  MLS-TRAN-CODE-2                PICTURE X.
16  MLS-SEPARATOR-CODE                 PICTURE X.
```

– Employee key
  Transactions that use transaction globals to fill in the employee key do not need to fill the key area. However, most user transactions do require the employee key code. The following code containing this information is available in working storage.

```
----2----+----3----+----4----+----5----+----6----+----7
16  MLS-EMPLOYEE-KEY.
    20  MLS-LEVELS.
        24  MLS-LEVEL-1              PICTURE X.
        24  MLS-LEVEL-2              PICTURE X.
    20  MLS-EMPLOYEE-NUM             PICTURE X.
```

– Example
  The instruction immediately following the code in rule 3 would usually be:

```
1----+----2----+----3----+----4----+----5----+----6----+----7
  MOVE MLS-EMPLOYEE-KEY TO tts-EMPLOYEE-KEY.
```

– Company transactions
  The employee number for company transactions is usually zeros. Therefore, the instructions for a company transaction would be:

```
1----+----2----+----3----+----4----+----5----+----6----+----7
  MOVE MLS-LEVELS TO tts-LEVELS.
  MOVE ZEROES TO tts-EMPLOYEE-NUM.
```

All unkeyed fields in the transaction are initialized to spaces.

Editing for individual fields follows the transaction key initialization. Any errors encountered will cause an error indicator to be set, a message moved to the output message area, and the section exit taken. Warnings will also cause a message, but will set a warning indicator and continue processing.

Errors:

```
1----+----2----+----3----+----4----+----5----+----6----+----7
  MOVE 'E' TO ERR-INDICATOR (TRANS-SUB)
  MOVE ttsnn-MSG TO TIA-MESSAGE (TRANS-SUB)
      GO TO tts-EXIT.
```

Warnings:

```
1----+----2----+----3----+----4----+----5----+----6----+----7
  MOVE 'W' TO ERR-INDICATOR (TRANS-SUB)
  MOVE ttsnn-MSG TO TIA-MESSAGE (TANS-SUB)
```

If additional sections are required by the editing code, they must follow the primary editing section and should be named *tts*-EDITS-subsection.

Paragraphs within the primary or secondary editing sections should be named section-name-paragraph (such as, RL0-EDITS-CHECK-CODE) to avoid conflict with data names or routine names in other transactions.

Realtime Screens

Overview

The Realtime screens are predefined, fixed screens. They are not generated using the HRMS Screen Generator. Two DCI application programs are written specifically for each Realtime screen. The data content of a screen cannot be changed without modifying the programs for the screen. The format of the screens can be changed by changing the DCI parameters. For more information, see the *DCI Application Development Guide*.

The HCM:E Realtime system gives you instantaneous Employee Master File, HRMS Tables File, and Position Control entry and maintenance and up-to-the-minute accuracy in inquiry. The following benefits and features are included:

- Interpretation of codes from the HRMS Tables File for personnel information
- Automatic generation of assumption DOEs and SALTAs
- Error messages to help you with data entry
- Single function screens that are easy-to-use
- An automatic audit trail
- Recovery capabilities
- Online check calculation
- Payment history
- Extended product security

Realtime screen processing consists of 2 phases:

- Status Phase I – All the processing that occurs **before** a screen is presented
- Status Phase II – All the processing that occurs **after** a screen is presented.

Changes You Can Make

Without modifying programs, you can change the

- Position of the cursor when the screen is first displayed
- Position of the variables on the screen
- Literals or the position of the literals
- Number of the next screen to be viewed. (This does not apply to Realtime Tables File screens.)

Employee Master File Inquiry

The Status Phase I function is handled by program PLQ*xx*I where *xx* represents the last 2 positions of the screen number. Each screen has its own inquiry program. A selective security check is performed against the LK1010 file, and an extended product security check is performed against the LKPDSEC file. The DCI logical Enqueue/Lock is performed to lock the employee record. Data is presented on the screen. If applicable, personnel code translations are displayed from the HRMS Tables File.

Employee Master File Update

The Status Phase II function is handled by program PLQ*xx*U where *xx* represents the last 2 positions of the screen number. Each screen has its own update program. A selective security check is performed against the LK1010 file, and an extended product security check is performed against the LKPDSEC file. The update program edits data entered on the screen. The following files are updated:

File	Name
PWP010	VSAM Employee Master File
PWQ010	Realtime Audit Database File
PWP01A	Alternate Employee Master File Index
PWV010	HRMS Tables File
PWJ010	Position Control Master File

The DCI Logical Enqueue/Lock is performed to unlock the employee record.

Realtime Employee Master File Action Codes

The following table lists the commands you can use in the Action field for Realtime screens.

Command	Description
CF	Returns you to the Central File selection menu
CM	Returns you to the HCM:E main menu
CR	Restarts the current screen
END	Ignores all data entered on the screen. Use this command when you have an error you cannot correct. The system returns you to the Realtime Employee Master File menu (screen 200), ignoring any data you entered on the current screen.
HELP	Accesses Online Help text
SO	Signs you off the system and deactivates the Online system. Once you have used this command, you must type **MSAS** to begin another session.
WOK	Overrides warning messages. It tells the system that warnings are acceptable (OK). Use it when you perform maintenance on an existing organization or employee record.

Employee Number Shift

Realtime Employee screens use the Employee Number Shift option.

Note: If you change the Employee Number Shift option you must relink all Realtime employee screen programs.

DCI Logical Enqueue

Locking

DCI Logical Enqueue Lock is a function that prohibits users from accessing a record that is currently being viewed or updated by another user. When you request a record from the Employee Master File, the HRMS Tables File, or the Position Control File, one of two things can happen:

- The record you requested appears on your screen. That record is automatically locked so other users cannot access the same record while you are working on it.
- You see a message telling you that the record you requested is locked by another user:

  Exclusive Lock by XXXX since hh:mm:ss.

XXXX is the ID of the logical terminal and *hh:mm:ss* is the time the record was locked.

Unlocking

The record is not available to anyone else until you release it (unlock it) by one of the following methods:

- Press **Enter** to update the file. As soon as the file is updated, the system returns the record to you with a message telling you the update was successful. The record is still **locked** until you change the **key**.
- Escape from the screen through the Action field.

If you escape from the screen by pressing the **Clear** key, the record is not unlocked. You can unlock the record after pressing **Clear** by one of the following methods:

- Type **MSAR** to return to the screen you were working on. Exit the screen through the Action field.
- Type **MSAS** and return to the menu screen. Press **Enter**. Cycling through the menu screen will unlock the record.

Realtime HRMS Tables File Screen Processing

Realtime HRMS Tables File screens are accessed in a top-down hierarchical fashion. Information on the HRMS Tables File is accessed by entering **S** next to the screen navigation codes. These codes are available:

Area of the System	Screen Navigation Code
(PAY) PAYROLL	(**ATX**) TAX CONSTANT DATA BYPASSTAX, DEFCOMPDOE, EEDISRATE, EEFLIRATE, ERUNMPRATE, FDUNPRATE, INAEICDOE, OHSDITDOE, WIAEICDOE, U.S. Local Authorities (**PAD**) BANKING SERVICES/ACH/BOND DATA TA, TW, TX, TY BD1, BD2, BD3 (**PCW**) CHECK WRITER FORMS IDENTIFICATION TH1-001, TH2-001 (**PDE**) ORGANIZATION DOE INFORMATION DOE-001, DOE-STP, DOE-SPH, DOE-TAB (**PRC**) REPORT CONTROL OPTIONS AD, AE, AF, DL, SL (**PRT**) RATE TABLE TG (**PGD**) U.S. Federal, State, Local Tax Data TB, TC, TD, TE (**PW2**) U.S. Payroll W-2 Data TZ1-005A, TZ1-005B, TZ1-005C, TZ1-008 - TZ1-023 TZ1-045 - TZ1-052 TZ1-06*x* TZ1-1*xx* TZ1-5*xx* (**PTR**) U.S. REGULATORY REPORTING (PTF) REGULATORY FILE AND FORM INDICATORS SRO001 (PRM) REPORT RECORD MAP ENTRY SRM001 (PRP) U.S. REGULATORY PARAMETER CONTROL LOC-001 GRP001, GRP002, GRP003 SRT001 GEN001, GEN002 PRT001, PRT002 FRM001

(continued)

Area of the System	Screen Navigation Code
	(**PDP**) SUPP ADDR/DEPENDENT/HEALTH PLAN DATA TS1-001, TS1-004, TS2-001, TS2-003
(PMR) PERSONNEL	(**MCT**) PERSONNEL CODE TRANSLATION T66
(CAN) CANADIAN PAYROLL	(**CSD**) CANADIAN TAX SEGMENT DOES DOE-001, DOE-STP, DOE-SPH, DOE-TAB
	(**CTR**) CANADIAN REPORTING (CT4) T4/T4A TAPE RECORD INDICATORS SRO002 (CRL) RELEVE 1/RELEVE 2 TAPE RECORD INDICATORS SRO003 (CRM) REPORT RECORD MAP ENTRY SRM001 (CPC) CANADIAN REGULATORY PARAMETER CONTROL GRP003, GRP004 SRT002 GEN001, GEN002 PRT001, PRT002 FRM001
(RUN) RUN CONTROL	(**AA0**) MASTER FILE ACCESS CONTROL T00-001, T00-002
	(**AA1**) FILE CONTROL PROCESSING T01-001, T01-002
	(**IES**) I.E. REPORTING SECURITY TFS-001

You can change the usual processing sequence by entering these codes in the Action Code field after selecting Screen 300 (TFM).

HRMS Tables File Processing Phases

Each screen has an inquiry and update program. The program name is **PLT*xxx*** where *xxx* is a unique program number. A selective security check is performed against the LK1010 file, and an extended product security check is performed against the LKPDSEC file. The DCI logical Enqueue/Lock is performed to lock the HRMS Tables File. The screen is presented with data from the HRMS Tables File. The update program edits the entered data.

The following files are updated:

File	Name
PWV010	HRMS Tables File
PWQ010	Realtime Audit Database File

The HRMS Tables File record is unlocked but immediately relocked unless you display a menu or data screen.

Realtime HRMS Tables File Selective Security

You can deny or allow access to a Realtime HRMS Tables File screen through DCI Selective Security. See the *Screen Reference Guide* for the assigned screen number for each screen.

Realtime HRMS Tables File Extended Product Security

Besides using DCI selective security, you can also use extended product security to allow inquiry-only access to a Realtime HRMS Table File screen or deny access to it altogether. For more information, see the Extended Product security chapter in this guide.

Realtime HRMS Tables File Action Codes

The ACTION field is your principal channel of communication with the system. The following table lists the commands you can use in the ACTION field.

Command	Description
CF	Returns you to the Central File selection menu
CM	Returns you to the HCM:E main menu
CR	Restarts the current screen
END	Ignores all data entered on the screen. Use this command when you have an error you cannot correct. The system returns you to the previous level menu, ignoring any data you entered on the current screen.
HELP	Accesses Online Help text
SO	Signs you off the system and deactivates the Online system. Once you have used this command, you must type **MSAS** to begin another session.

Realtime Tables File System

The Realtime Tables file system is a hierarchical structure with menus and detail screens. Each detail screen represents a HRMS Tables File record type. If there are no security violations, a detail screen will provide inquiry, add, and modify capabilities. When a record type is selected on a menu screen, the detail screen displays the fields from the HRMS Tables File record. If desired, you may change the data on updateable fields. Each field is edited. If an error is detected, each field in error is highlighted and a corresponding message is displayed. Once all fields in error are corrected, the HRMS Tables File is updated instantly. The fields are redisplayed with the modified data. When any field on a record is added or modified, the entire record image **before** and **after** is written to the Realtime Audit Database.

Reporting

An HRMS Tables File Audit Trail report may be requested at any time. This report prints all of the fields that were added or modified. Use programs PLT918 (the associated sort) and PLT920 (Realtime HRMS Tables File Audit Trail).

Managing the HRMS Tables File

Use the facilities provided in the batch system to create, back up, restore, initialize, or print the HRMS Tables File. The batch HRMS Tables File System still provides update capabilities for all applications. The file must be initially loaded in the batch environment.

Backup Batch (PLV900/PLV950)

Use the batch HRMS Tables file programs PLV900 and PLV950 to backup and reload the HRMS Tables File. PLV900 will read the VSAM HRMS Tables File and create an output sequential file, then PLV950 will read the sequential HRMS Tables File as input and create a VSAM HRMS Tables File.

Restore Realtime (PLT908/PLT910)

Two programs have been provided to restore the HRMS Tables File with Realtime updates. You are provided both forward and backward recovery options. The Realtime Tables File screens write an audit record to the Realtime Audit Database that contains a **before** HRMS Tables File record image and an **after** HRMS Tables File record image. This Realtime Audit Database is used in conjunction with the HRMS Tables File to provide the recovery facility.

The first program in the recovery process is PLT908. The program builds a sort key on the Audit Record. This sort record is then passed to an external sort program. The output of the sort is read into PLT910, which actually compares the HRMS Tables File record images on the Audit Record to the HRMS Tables File record images. This program performs the recovery process.

Realtime Audit Database

Overview

The Realtime Audit Database is updated when the Employee Master File, HRMS Tables File, or the LKPDSEC File is updated in Realtime. After the file is updated in Realtime, it can be processed using functional batch programs.

Note: VSAM clients must initially create the Realtime Audit Database before it can be opened for Realtime processing. Use Restore Audit Database program (PLQ250) to create the Realtime Audit Database.

Functions

The batch programs provide the following capabilities:

- Restore/initialize the entire Audit Database (PLQ250)
- Back up the entire Audit Database (PLQ200)
- Print the Employee Master Audit Trail (PLQ100)
- Generate Employee Master File transactions and purge the Employee Master File Audit records (PLQ100)
- Print the HRMS Tables File Audit Trail (PLT918/PLT920)
- Purge the HRMS Tables File Audit records (PLT918/PLT920)
- Recover the HRMS Tables file – VSAM only (PLT908/PLT910)
- Online Check Calc Print Lines Purge (PLQCMA).
- Print the Operator Security Audit Trail (PPO680/PPO690)
- Purge Operator Security Audit records (PPO680/PPO690)

Backing Up the Audit Database

You are responsible for backup and recovery of the Audit Database; two programs are provided to facilitate this function.

- Backup Audit Database (PLQ200) backs up the database to a sequential file.
- Restore Audit Database (PLQ250) restores the Audit Database from the sequential backup file.

Note: Your operating system may provide utility programs that perform these functions; you can use them instead if you choose.

Frequency

When you are deciding how frequently to back up the Audit Database, consider the volume of Online updating that has been performed since the last backup.

Processing the Employee Master File Audit Records

If you want to process the Employee Master File Audit records, use the AUDIT control transaction (in PLQ100 - Employee Master File Audit Trail) to

- Produce an audit trail report of all changes made to the Employee Master File from a Realtime screen
- Generate transactions to update the Life-to-Date History and Lost Time Master files, and to purge Employee Master File record types from the Audit Database
- Generate transactions to recover the Employee Master File.

Position Control

Position Control clients should also run Position Control Audit Recovery (PLJ600/PLJ610) if the Employee Master File is recovered. This ensures that the Position Control Master File remains current with your system. See *Position Control* for detailed information.

Life-to-Date History or Lost Time

If you generate transactions for Life-to-Date History or Lost Time, Health and Safety processing, the Audit Database Employee Master records will be purged at the same time so that the transactions will not be generated again.

Processing the HRMS Tables File Audit Records

Use the TABLE control transaction (in PLT918/PLT920) - HRMS Tables File Audit Trail) to process the HRMS Tables File Audit Records. You can:

- Produce an audit trail report of all changes made to the HRMS Tables File from a Realtime screen
- Purge HRMS Tables File record types from the Audit Database.

Because the Audit Database contains Employee Master File audit records and HRMS Tables File Audit records, you will only purge the record type as indicated by the associated audit trail program. The Audit Database contains a control record that will not be purged. When to purge the Audit Database records should be determined by the size of the file and your audit trail reporting needs. If you purge the entire Audit Database using a utility program, you will have to run Restore Audit Database (PLQ250) to create the control record before the file can be opened again for Realtime processing.

Recovering the HRMS Tables File

To recover the HRMS Tables file, use the RECOV control transaction (in PLT908/PLT910 - HRMS Tables File Recovery) to:

- Recover data **forward** from a specific date to a specific date
- Recover data **backward** from a specific date to a specific date
- Produce a recovery report of all changes made to the HRMS Tables file from a Realtime screen using the HRMS Tables File Audit records.

This recovery process allows you to restore your HRMS Tables file with the updates that were made in the Realtime environment. The recovery report prints the **before** and **after** HRMS Tables file record image. If the Audit Database and the HRMS Tables file are not in sync, (you may be using the wrong backup version of either file) the report prints an error message and the restore for that record does not occur.

Position Control Considerations

Position Control clients should also run Position Control Audit Recovery (PLJ600/PLJ610) if the HRMS Tables file is recovered. This ensures that Position Control applications in the HRMS Tables File remain current with your system. See the *Position Control* guide for detailed information.

Processing Operator Security Audit Records

Use the SECURITY control transaction with the Operator Security Audit Trail program (PPO680/PPO690) to process Operator Security Audit records. You can

- Produce an audit trail report of all changes made to the Operator Security File from a Realtime screen.
- Purge Operator Security record types from the Audit Database

Because the Audit Database contains Employee Master File audit records and HRMS Tables File audit records, you purge only the record type specified by the associated audit trail program. The Audit Database contains a control record that is not purged unless you purge the entire Audit Database. Use the size of the file and your audit trail reporting needs to determine when to purge the Audit Database records. If you purge the entire Audit Database using a utility program, you have to run the Restore Audit Database program (PLQ250) to create the control record before the file can be opened again for Realtime processing.

Sub-applications

The following sub-applications in the HRMS Tables file can be maintained in the Realtime system starting with Realtime screen 300:

- Selected Payroll
- Canadian Payroll
- Personnel
- Run Control.

The program PLQCMA is used to purge print image check records from the Audit Database. All Online Check Calculation records, record type 'C', are deleted each time this program is run.

Online Check Calculation Features

The Online Check Calculation and Payments menu screen offers two payment related functions. The first is online check calculation where pay data can be entered for immediate Calculation with the options of printing the check(s) and/or generating adjustment transactions to update the employee master file accumulators.

The second is the payment history inquiry function where a user may view prior employee payment data online. Prior payments that are on the check reversal file are presented for an employee. The desired payment is selected and details are presented.

Check Limit

The check limit feature is used to control the number of checks printed per CICS transaction. This reduces the possibility of an Online ABEND due to a transaction process exceeding the CICS time limit.

The check limit feature **does not** control the number of checks an operator can print, but **does** limit the number of checks an operator can print with one Online transaction.

Changing the Check Limit

The check limit is set to **999** when delivered. To change the check limit, edit the COBOL member PCQFRC; on line 003630, change +999 to your new limit.

```
----2----+----3----+----4----+----5----+----6----+----7--
16  PCQFRC-MAX-CHECKS           PIC S9(3) VALUE +999.
```

Print Function Lock

The print function lock feature prevents two users from printing checks at the same time. When an operator places a Y in the PERFORM PROCESSING field, no other users can print checks. If the print function is in use and another operator tries to print checks, the message PRT FUNCTION IN USE BY XXXX SINCE HH:MM will be displayed.

The print function is reset after successful printing of all checks, or exiting from Screen 505. If the program ABENDED, it is reset after 60 minutes.

Changing the Print Function Time Limit

The Compute time limit is set to 24 hours when delivered. To change the time limit, you must edit COBOL member PCQ54W on line 008000.

```
----2----+----3----+----4----+----5----+----6----+----7--
16  PCQ54W-TIME-CONTROL       PIC S9(3) COMP-3 VALUE +24.
```

Changing the Default Check Format

The default check format is set to 3C when delivered. To change the default to the check format most commonly used for your system, you must edit COBOL member PCQ55W on line 002000. The valid check formats are 3C, 4C and 7C.

```
----2----+----3----+----4----+----5----+----6----+----7--
16  PCQ55W-DEFAULT-FORMAT   PIC X(02) VALUE '3C'.
```

Online Check Calc Files

Initializing Files

When the Selected Employees (PWQ500) and Check Detail (PWO510) files are defined, and before they can be opened for Realtime processing, they must be initialized using the program PLQCCM.

When initializing the files, this program is controlled by the options entered on the IF transaction. (See *Transaction Descriptions* for description). Both files may be initialized using one IF transaction.

You are responsible for the maintenance of the Selected Employees File, Check Detail File and the Online Check Calculation records on the Audit Database. Maintenance programs are provided to purge Online Check Calculation records from these files.

Purging Records

The program PLQCCM is used to purge records from the Selected Employees File (PWQ500) and Check Detail File (PWQ510). This program operates under the control of selection parameters entered on the DC transaction. See *Transaction Descriptions* for more information. Specific level 1 - level 2s may be entered to select which levels will be deleted, or '****' may be entered in the level 1 - level 2 fields to purge all level 1 - level 2s. Also, a date is entered to purge records up to and including that date. On the Selected Employees file, all type 01 records that meet the input transaction criteria are deleted. All type 10 records are deleted for corresponding level 1 - level 2s and dates. Record types 20 - 27 are deleted only if there are no type 01 records left on the file for that employee. Records will be deleted regardless of status on the Selected Employees File.

Terminal Record File

The Terminal Record File contains records indicating, by terminal, if each operator using Online Check Calculation is inactive, in Update, or in Compute mode. If the system goes down and the operator is in update or Compute and can't use the same terminal, the record on file will indicate the operator is still on that terminal in Update or Compute. When a terminal is left in Update, the Compute function is not available to other operators, and when a terminal is left in Compute, the Update function is not available to other operators. The file will need to be edited to reset the terminal to inactive. However, after 24 hours or the specified time limit, the terminal is automatically reset when Screen 504 is processed. The File/Database may also be deleted and redefined to accomplish this.

Random Check Reversal File

The Check Reversal file is available in inquiry mode only. You can inquire to view prior employee payment data online. Prior payments that are on the check reversal file are presented for an employee on screen 506. The desired payment is selected and details are presented on screens 507 and 508.

Printer - Online Check Calculation

Printer Type

The printer used for Online Check Calculation must be defined to CICS as an LU Type 3 terminal. The printer may either be a dedicated or networked printer. Check format 7C is provided for the laser printing of checks.

In order to use the 7C check format, the printer needs to be set up to print with portrait orientation and 10 CPI. These values can be defined on the individual printer properties or overridden by your mainframe software print program (for example, IBM InfoPrint server).

Changing the Default Printer ID

The default printer ID is set to **XXXXXXXX** when the system is delivered. To change the default to the printer ID most commonly used for your system, you must make a code change. Edit COBOL members PCQ55W and PCQXCT, changing the **XXXXXXX** (see examples) to your printer ID (left justified).

Copybook PCQ55W at line 001900

```
----2----+----3----+----4----+----5----+----6----+----7--
16  PCQ55W-DEFAULT-PRINTER  PIC X(08) VALUE 'XXXXXXXX'.
```

Copybook PCQXCT at lines 004455 - 004460

```
----2----+----3----+----4----+----5----+----6----+----7--
16  PCQXCT-DEFAULT-PRINTER      PIC X(8)
                                VALUE 'XXXXXXXX'.
```

Screen Security Considerations

The DCI system allows you to set up selective security to control access to companies (key control) and screens (screen control). For instructions on setting up selective security, see the *DCI Administrator's Guide*.

Selective security can be coded in two ways. It can either

- Allow an operator to access specific keys and screens
- Deny an operator access to specific keys and screens.

Besides using DCI selective security, you can use extended product security to secure online and realtime screens. For information about setting up extended product security, see the Extended Product Security chapter in this guide.

Extended product security can be used to

- Deny an operator access to screens globally or by menu, Tables File application, screen range, or individual screen
- Grant an operator inquiry-only access to screens globally or by menu, Tables File application, screen range, or individual screen

Online Check Calculation Security

For Online Check Calculation, if you allow access to specific keys, you also need to allow access for a Level 1-Level 2 combination of ***^*^** (asterisk, space, asterisk, space). Also, if you want an operator to be able to select Compute without specifying a Level 1-Level 2 combination, allow the operator access to a Level 1-Level 2 combination of **####**.

Note: When an operator selects Compute on Screen 504 without specifying a Level 1-Level 2 combination, **all** employee payroll data entered on Screen 501/502 will be processed in the Compute run. If you want to require an operator to specify a Level 1-Level 2 combination when selecting Compute, deny access to the **####** Level 1-Level 2 combination.

Alpha Search Security

If your organization has more than 20 Level 1-Level 2 combinations, for screen security to function properly, you have to make a code change in **Program PPO050 at lines 005900 and 006100**.

```
----+----0----+----2----+----3----+----4----+----5----+----6----+----7--
005800 01  PPO050-SECURITY-TABLE.
005900     12  PPO050-SEC-DETL         PIC X(100) VALUE LOW-VALUES.
006000     12  PPO050-SEC-DETL-R       REDEFINES PPO050-SEC-DETL
006100                                 OCCURS 20 TIMES
```

Code Change

Change the delivered values of 100 (line 005900) and 20 (line 006100) to accommodate the number of Level 1-Level 2 combinations defined for your organization. Multiply the number of Level 1-Level 2 combinations that you enter in line 006100 by **5** to get the value to enter in line 005900.

Transaction Maintenance Security

If your organization has more than 50 Level 1-Level 2 combinations, for screen security to function properly, you have to make a code change in **Program PPO020 at lines 014005 and 014015**.

```
----+----0----+----2----+----3----+----4----+----5----+----6----+----7--
014000 01  PPO020-SECURITY-TABLE.
014005     12  PPO020-SEC-DETL         PICTURE X(400) VALUE LOW-VALUES.
014010     12  PPO020-SEC-DETL-R       REDEFINES PPO020-SEC-DETL
014015                                 OCCURS  50 TIMES
```

Code Change

Change the delivered values of 400 (line 014005) and 50 (line 014015) to accommodate the number of Level 1-Level 2 combinations defined for your organization. Multiply the number of Level 1-Level 2 combinations that you enter in line 014015 by **8** to get the value to enter in line 014005.

Defining Multiple Databases

DCI provides a multiple database capability that allows multiple sets of application files to be accessed by one application.

VSAM/CICS

Chapter 3 of the DCI *Administrator's Guide* describes the steps needed to assign operators or groups of operators to different sets of application files. Follow these steps to modify, assemble, and link the LTCCVMDT multiple database table into the DCI nucleus.

Besides the DCI nucleus, four Online Check Calculation programs that run outside of DCI use the multiple database table. These programs will also need to be relinked to bring in the new copy of the LTCCVMDT table:

- PPQCL2
- PPQOP2
- PPQPRT
- PPQXC2

Note: Online Check Calculation requires the Selected Employees file (PWQ500), Check Detail file (PWQ510), and Terminal Record file (PWQ520) to be synchronized. Therefore, it is important to treat these three files as a set.

There should also be additional copies of Online Check Calculation JCL. The only differences between the copies should be the dataset names that the DD/DLBL names are pointing to. There should be one copy for each set of application files, and each operator needs to know which copy of the JCL to submit.

Employee Number Shift

To change the Employee Number Shift option after installing the system:

Step	Action
1	Delete the existing PMOENS.
2	Select the Employee Number Shift of your choice and rename it to PMOENS. Choices include: ▪ Employee Number Shift with zero fill (PMO0EN) ▪ Employee Number Shift with space fill (PMOSEN) ▪ No shift on Employee Number PMONEN). An example of each choice is shown in the section below.
3	Reassemble PPBPH2.
4	Relink all Online and Realtime Employee Master File screen programs.

Employee Number Shift Options

Zero Fill

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5---
¬SELECTSPMO0EN A                                      PMOENS
```

Space Fill

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5---
¬SELECTSPMOSEN A                                      PMOENS
```

No Shift

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5---
¬SELECTSPMONEN A                                      PMOENS
```

Note: If you have previously used a different Employee Number Shift option and are changing it now, enter the entire 10-character Employee Number for Online and Realtime Employee Master File screens.

Position Control Number Shift

To change the Position Control Number Shift after installation:

Step	Action
1	Delete the existing PPJPNS.
2	Select the Position Control Number Shift of your choice and rename it to PPJPNS. Your choices include: No Position Control Number Shift (PMJNPN) Position Control Number Shift with space fill (PMJSPN)
3	Reassemble PPJPNS.
4	Relink all Online and Realtime Position Control screen programs.

Position Control Number Shift Options

No Shift

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5---
¬SELECTSPMJNPN  A                                    PPJPNS
```

Space Fill

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5---
¬SELECTSPMJSPN A                                     PPJPNS
```

Note: If you have previously used a different Position Control Number Shift option and are changing it now, enter the entire Position Control Number for Online and Realtime Position Control screens.

7 I.E. Security for HCM:E Reporting

Chapter Contents

7-1 Introduction
7-2 System Flow
7-3 Program Narratives
7-4 Establishing Security
7-6 Implementing Your Decision
7-13 Levels of Security
7-22 Modifying the System
7-30 Change Logical Records
7-32 Change Alpha Masking Character
7-34 Increase Field Position Indicators
7-35 Transaction Description
7-37 Record Description
7-39 Messages
7-40 Reporting with Security
7-41 Realtime Security

Introduction

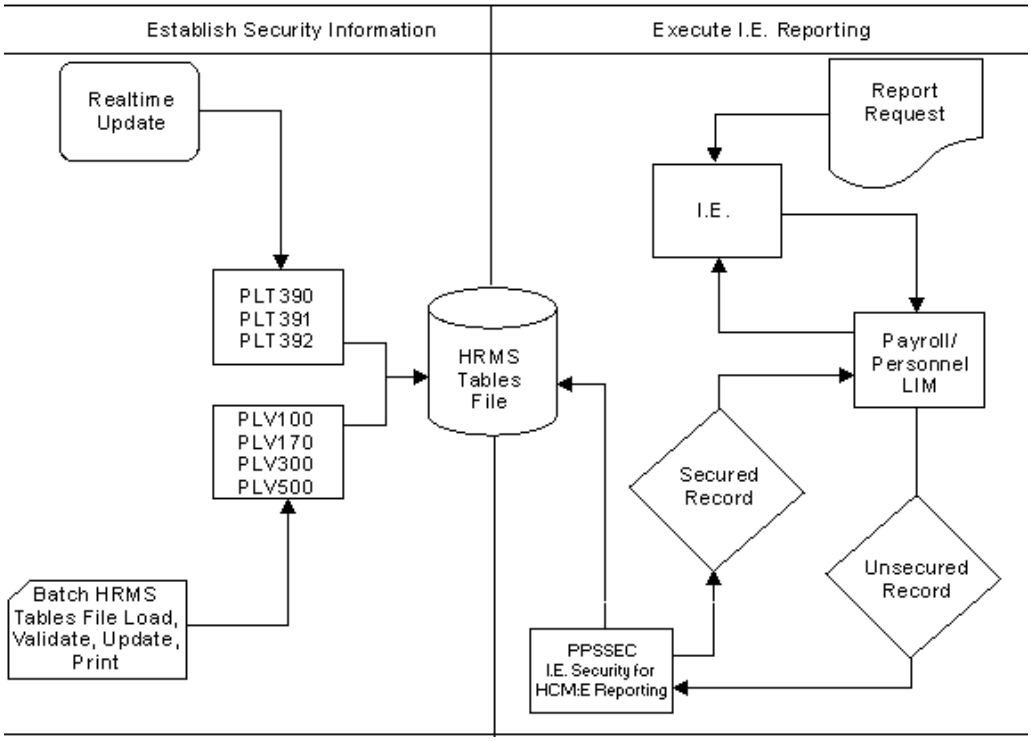
This chapter describes the functions and features of I.E. Security for HCM:E Reporting. The need to secure sensitive payroll and personnel information from unauthorized access is an important issue for many organizations. I.E. Security for HCM:E Reporting extends the capabilities of Information Expert by providing a comprehensive security system for payroll and personnel reporting.

Information Expert Security Versus I.E. Security for HCM:E

I.E. Security for HCM:E Reporting was developed to provide levels of security not available in Information Expert Reporting. If you have implemented Information Expert at Release 96.01 or later, additional security features are available that you might want to take advantage of. Instructions for I.E. Security are contained in the *Expert Security Administrator's Guide*.

System Flow

This diagram shows the flow of data through I.E. Security for HCM:E Reporting.



Program Narratives

I.E. Program for HCM:E Reporting

PPSSEC

I.E. Operator Field Security

This is a COBOL program called during LIM (Logical Interface Module) processing to provide these functions:

- Read the HRMS Tables File for IES application type records.
- Establish LIM security processing indicators.

Alter I.E. logical records passed from the LIM. Restricted fields in the logical record are filled with zeros for numeric definitions or an alpha masking character (@) for alphanumeric definitions. This prevents viewing these fields in the completed I.E. HCM:E reports.

Realtime HRMS Tables File Screen Programs

Screen 390 (PPT390)

I.E. Reporting Security Menu – Status Phase II

Retrieves the selected HRMS Tables File IES record type from the I.E. Reporting Security Menu screen. Validates security and logical enqueue then passes control to the selected I.E. Operation Field Level Security detail screen. (Status Phase I program is PPTENT).

Screen 391 (PPT391)

I.E. Operator Field Level Security Inquiry

Retrieves the I.E. Operator Field Level security for HCM:E reporting information from the HRMS Tables File then formats the data and displays it on Screen 391.

Screen 391 (PPT392)

I.E. Operator Field Level Security Update

Retrieves the I.E. Operator Field Level Security for HCM:E reporting information from Screen 391. If the operator made changes, it edits the data then updates the HRMS Tables File.

Establishing Security

Two steps are required to establish security for your organization.

Step	Action
1	Analyze current security requirements.
2	Select the security features to implement your requirements.

Step 1: Analyze Current Security Requirements

The following table will help you gather information about your current security needs. This information, along with any new requirements you define, will be the basis for establishing I.E. Security HCM:E Reporting.

Step	Action
1	Decide which operators you will: ▪ Not restrict ▪ Restrict from some Employee Master File and Position Control Master information ▪ Restrict from all Employee Master File and Position Control Master information.
2	Divide the operators with common security restrictions into groups.
3	Decide which level 2s you need to secure.
4	Decide which items you need to secure. Refer to the Alphabetical Item List in Appendix D.
5	Decide which logical records you need to secure to restrict the items identified in Step 4.

Step 2: Select Security Features

The second step is to choose the appropriate combinations of system features to best meet the requirements you identified in Step 1. The following sections provide information to help you select the appropriate features.

Considerations

- As delivered, the I.E. Security for HCM:E Reporting system assumes all information is restricted to all operators unless you submit transactions to allow access to information. The Information Expert system assumes all information is available to all operators unless you set up specific security.
- If you have implemented Information Expert Security for Query, you have also implemented it for Reporting. This could affect your HRMS reporting security in the following ways:
  - If your security definitions in Information Expert for a particular operator do not match your security definitions set up in I.E. Security for HCM:E reporting, conflicts can arise. These could cause no changes in your reports or it could cause operators who had access to particular level 2s and records to receive reports with information from some of those level 2s and records missing.

    Action: Verify that your Information Expert security matches your I.E. Security for HCM:E reporting.
  - If you have modified I.E. Security for HCM:E reporting to secure additional user defined logical records, you may not have added those user-defined logical records to the Information Expert Security system. Therefore, those records are no longer secured.

    Action: Add the records to the new Information Expert Security system. See the *Expert Security Administrator's Guide* for instructions.

Recommended Security Selection

Use the preceding considerations and this table to decide on an I.E. Reporting security environment.

If you….	Then choose...
Need to secure to the Logical Record level only	Information Expert Security.
Need to secure to the Item level	Information Expert Security to the Logical Record level and I.E. Security for HCM:E reporting for Item levels only.

Implementing Your Decision

After you decide which system to use, implement your decision using the following steps.

Step	Action
1	If you selected Information Expert Security, use one of these methods to implement your choice: ▪ Modify copybook PPSSEC to eliminate the call to I.E. security for HCM:E reporting. Instructions for modifying the system are found in this guide. **or** ▪ Add a TFS-001 transaction specifying Unrestricted Access for each operator in your organization. This method will leave you with the option of adding Item level security later if you decide you need it.
2	If you selected I.E. security for HCM:E reporting, add the first TFS-001 record to the HRMS Tables File to begin identifying your operators to security.

What Is Secured

With I.E. security for HCM:E reporting you can secure:

- The Employee Master File and Position Control Master entities listed in Appendix D and E
- Specific level 2s in the Employee Master File and Position Control Master
- Specific I.E. Employee Master File and Position Control Master logical records for HCM:E
- Specific I.E. Employee Master File and Position Control Master items for HCM:E
- Specific Position Control applications in the HRMS Tables File.

How It Is Secured

I.E. security for HCM:E reporting secures Payroll and Personnel I.E. reports by controlling level 2s that are displayed on a report request or by **masking** individual items displayed on a report request, or both.

How It Is Maintained

The security information that controls I.E. security for HCM:E reporting is maintained in the HRMS Tables File through either batch transactions or the Realtime HRMS Tables File system.

I.E. security for HCM:E reporting features are established in the HRMS Tables File by entering TFS-001 transactions and executing the HRMS Tables File load/validate/update job stream. The TFS-001 transaction creates an HRMS Tables File record with an application type of IES.

This information is maintained just like any other information you maintain in the HRMS Tables File with **one exception**. If you have set up security for an operator and you need to change that security, you must delete the previous security record before you attempt to set up new security.

Print Security

You can print a listing of the TFS-001 record by executing PLV500 with the ALL or RUN transactions as input.

Report Content

I.E. HCM:E report requests containing both secured and unsecured level 2s will be produced with only unsecured level 2s displayed. Report requests containing secured items or logical records will be produced with alphanumeric items displayed as @ and numeric items as zeroes.

Report requests containing only secured level 2s will not be produced.

Definitions

This table lists some common terms used in a specific context in this section.

Terms	Description
Global	All level 2s in the Employee Master File and Position Control Master
Profile	A related grouping of security information
Record	I.E. HCM:E logical record containing Employee Master File or Position Control Master items
Item	I.E. HCM:E Employee Master File or Position Control Master item
I.E. Operator ID	DCI Operator ID
Level 2	In the context of this document, level 2 always means your level 1-level 2.

How Security is Entered

I.E. Security for HCM:E reporting records are established in the HRMS Tables File. This is accomplished by entering TFS-001 transactions and executing the batch HRMS Tables File load/validate/update job stream. The TFS-001 transaction creates an HRMS Tables File record with an application type of IES. You can also use Realtime Update to produce the HRMS Tables File records.

Security Profiles

You can set up global profiles or level 2 profiles for groups of operators with common security information and restrictions. After you establish a profile, you can use that profile to designate security for operators. The use of common information allows you to establish an efficient and easy-to-maintain security system.

If you have…	Then select…
Multiple operators with common security restrictions for all level 2s	Global profiles.
Multiple operators with common security restrictions for a specific level 2	Level 2 profiles.

Global Profiles

Use the following steps to set up a global profile if you have multiple operators with common security restrictions for **all** level 2s.

Step	Action
1	Establish the Level 2, Logical Record and Time Security with a unique profile ID instead of setting it up for an I.E. Operator ID.
2	Give the profile a meaningful name to help organize your security information.
3	Assign the profile to your operators with the *MODEL option.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	01	Level 1
14-15	03	Level 2
16-23	MODEL1	Operator ID
24-29	******	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	Blank	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    0103MODEL1  ******0
```

Level 2 Profiles

Set up a level 2 profile if you have multiple operators with common security restrictions for a **specific** level 2. Follow the same steps defined in Global Profiles above.

To set up payroll department operators with common restrictions against EMP-BIRTHDATE and EMP-AGE for level 2 **AF03** only, establish a profile identifying item security (MODEL2) for these fields.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	02	Level 1
14-15	05	Level 2
16-23	MODEL2	Operator ID
24-29	******	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	Blank	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    0205MODEL2  ******0
```

You must update the Level 2 profile to your HRMS Tables File by executing the load/validate/update (PLV100/PLV170/PLV300) job stream or enter the transaction on the realtime screen.

After the Level 2 profile is added to the HRMS Tables File, you can begin assigning operators to the model.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	**	Level 1
14-15	**	Level 2
16-23	USER01	Operator ID
24-29	*MODEL	Logical Record ID
30	0	Occurrence Indicator
31-38	MODEL2	Model Operator ID
39	Blank	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    ****USER01  *MODEL0MODEL2
```

Levels of Security

I.E. Security for HCM:E reporting provides a tiered approach to security. Use this table to determine which type of security to establish:

If you need to establish security for...	Then select...
Operators with no restrictions on reporting Employee Master File and Position Control Master information	Unrestricted access.
Operators who should have access to all Employee Master File and Position Control Master information only within specific level 2s	Level 2 security.
Operators who are denied access to one or more logical records within a level 2	Logical record security.
Operators who are denied access to one or more items within a logical record within a level 2	Item security.
Operators who are denied access to reporting on all Employee Master File and Position Control Master information (default)	No access.

Each of these levels of security is discussed in the following sections. The system is delivered with all access denied. You must enter TFS-001 records to the HRMS Tables File to set up access for your operators.

Unrestricted Access

Unrestricted Access allows unrestricted access by I.E. HCM:E Reporting to all level 2s in the Employee Master file and Position Control Master.

The following example illustrates how to add operator ***USER01*** for unrestricted access to all information for all level 1-level 2s.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	**	Level 1
14-15	**	Level 2
16-23	USER01	Operator ID
24-29	Blank	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	Blank	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    ****USER01        0
```

Warning: If you need to change an operator from Unrestricted Access to a more restrictive level of security, you **must** delete the existing Unrestricted Access record from the HRMS Tables File and add a new record defining the new security. To delete the Unrestricted Access for USER 01, complete a TFS-001 transaction using **D** in the Maintenance Code.

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001D    ****USER01        0
```

Level 2 Security

Level 2 security allows access to all specified level 2s with automatic denial to all unspecified level 2s. An unlimited number of level 2s can be specified. To allow level 2 access, enter a transaction using a valid level 1-level 2 in positions 12 – 15 to set up Level 2 Security. ******** is only valid for Unrestricted Access and setting up Profile Models.

To allow operator ***USER01*** security access to all logical records within level 2 ***0102*** only, enter the following transaction.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	01	Level 1
14-15	02	Level 2
16-23	USER01	Operator ID
24-29	Blank	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	Blank	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    0102USER01        0
```

Logical Record Security

Logical Record security denies access to the specified logical records within a level 2 with automatic access to all other unspecified logical records within that level same level 2. An unlimited number of logical records can be secured.

Warning: If ***USER01*** was originally set up with Unrestricted Access, you must delete the previous Unrestricted Access transaction before you set up any other type of security for this operator.

Example. To deny ***USER03*** access to all of the items in the logical record called EMP-COMMON-INFORMATION-REC, which is identified by record ID ***M2A10A*** in level 2s ***0103*** and ***0205***, follow these rules:

- Level 1 and level 2 must be specific. Do not use ****.
- The logical record ID must be specified. Do not enter ****** for the record ID. See the list of logical record IDs in Appendix E.
- You must enter an * in the All Fields indicator.
- If an operator has access to more than one level 2, you must enter a TFS-001 transaction for each level 2.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	01	Level 1
14-15	03	Level 2
16-23	USER03	Operator ID
24-29	M2A10A	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	*	All Fields Indicator
40-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6---
TFS001A    0103USER03  M2A10A0        *
TFS001A    0205USER03  M2A10A0        *
```

Item Security

Item security denies access to the specified items within a logical record within a level 2. Automatic access is given to all other unspecified items in that logical record. You can restrict access for up to thirty items on each logical delivered record. If you need to increase this maximum, see the *Modifying the System* topic in this chapter.

Example

To deny ***USER03*** access to Employee Name, Pay Frequency, and Pay Status (positions 1, 8, and 9) from the EMP-COMMON-INFORMATION-REC record, follow these rules:

- Level 1 and level 2 must be specific. Do not use ****.
- The logical record ID must be specified. You cannot enter ****** for the record ID.
- You must leave the **All Fields Indicator** blank.
- You must specify the particular items the operator is denied access.

If more than 10 items are to be secured, increase the **Multiple Occurrence Indicator** by 1 for the second list of **Position Indicators**, and if a third list is required, increase again. Only three occurrences are allowed.

Column	Contents	Description
1-3	TFS	Transaction Code
4-6	001	Multiple Record
7	A	Maintenance Code
8-11	Blank	Reserved
12-13	01	Level 1
14-15	03	Level 2
16-23	USER03	Operator ID
24-29	M2A10A	Logical Record ID
30	0	Occurrence Indicator
31-38	Blank	Model Operator ID
39	*	All Fields Indicator
40-42	1	Field Position Indicator (1)
43-45	2	Field Position Indicator (2)
46-48	3	Field Position Indicator (3)
49-51	4	Field Position Indicator (4)
52-54	5	Field Position Indicator (5)
55-57	6	Field Position Indicator (6)
58-60	7	Field Position Indicator (7)
61-63	8	Field Position Indicator (8)
64-66	9	Field Position Indicator (9)
67-69	10	Field Position Indicator (10)
70-80	Blank	Reserved

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----
TFS001A    0103USER03  M2A10A0         1  2  3  4  5  6  7  8  9  10
TFS001A    0103USER03  M2A10A1         11 12 13 14 15
```

To **change** an existing Item Security record, you **must** enter all Position Field Indicators, not just the changes. The change transaction will **replace** the current record in the HRMS Tables File.

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----
TFS001C    0103USER03  M2A10A0         1  2  3  4  5  6  7  8  9
TFS001C    0103USER03  M2A10A1         11 12 13 14 15
```

No Access

No Access denies access for reporting on any level 2, logical record, or item in the Employee Master File and Position Control Master. To deny access to all logical records, items, and all level 2s, do not add a TFS-001 for the operator. The system automatically denies all access. To remove access for an operator who is currently set up for access, delete all TFS-001 records for that operator.

Summary of Levels of Security

This table summarizes the levels of security and what you can secure with each.

Type of Security	Level 2	Records	Items	All	None
Unrestricted Access					X
Level 2 Security	X				
Logical Record	X	X			
Item Security	X	X	X		
No Access (Default)				X	

Modifying the System

The I.E. Security for HCM:E Reporting system is designed to meet a wide range of security needs. However, you can customize some features to meet your organization's needs. We suggest that the changes be made by the person in your organization responsible for maintaining your HRMS System source code.

Common modifications to the I.E. Security for HCM:E Reporting system are discussed in the following sections.

Altering Records Available for Security

This modification allows you to identify specific records in the Employee Master File and Position Control Master that will be available for security. If you have only a few records to secure, this will improve your processing speed by eliminating the need for the system to read all the possible records available.

Adding User-Defined Logical Records

If you have added user-defined records to the system, you can use this modification to allow those records to be secured.

Changing Logical Records

If you have modified existing employee logical records, you can use this modification to allow those records to be secured.

Changing Alpha Masking Character

The @ character is defined in the delivered system as the replacement for secured alphanumeric information displayed on reports. You can use this modification to change that character to another character of your choice.

Note: The numeric masking character is zero (0). You cannot change this character.

Increasing Field Position Indicators

As delivered, the system has defined a maximum of 30 items on any logical record for security. If you need more than 30, you can use this modification to increase that maximum to up to 100.

Altering Records Available for Security

The I.E. Security for HCM:E Reporting system, as delivered, addresses employee logical records in the Employee Master File, position logical records in the Position Control Master File, and the organization salary table in the HRMS Tables File. The records available for security are listed in Appendix D. If your organization does not require security for all available employee logical records, the following steps outline the process necessary to eliminate excess security verification. If you have only a few records to secure, this modification will improve your processing time.

Follow these steps to alter the records that are available for security.

Step	Action
1	Decide which Employee Master File and Position Control Master items you need to secure. See the list of logical records that correspond to these items in Appendix E.
2	Make a list of copybooks that contain the logical records that are not necessary for your security needs. See the logical Record/Copybook Cross Reference in Appendix A.
3	Comment out PERFORM FIELD-SECURITY-CALL-PHSSEC in the copybooks (excerpt shown below the table).
4	Compile and relink the appropriate programs. See the programs in the compile and link charts following this topic, Add User-Defined logical records.

Excerpt from Copybook PDS152 , Starting at Line 019500 for Step 3

```
BM6C-INSURANCE-INFO-REC-PDS152.

*    *              EMP-INSURANCE-INFO-RECORD                  *

     MOVE PCS100-M6C10A-RECORD-ID TO HR-EMP-MASTER-RECORD-ID.
*
     MOVE P-EMP-1ST-LIFE-INS-PLAN-IND   TO
            EMP-1ST-LIFE-INS-PLAN-IND.
     MOVE P-EMP-1ST-LIFE-INS-PLAN-TYPE  TO
            EMP-1ST-LIFE-INS-PLAN-TYPE.
...
*
     PERFORM FIELD-SECURITY-CALL-PHSSEC.  ← '*' in Column 7
*
     MOVE LOGICAL-RECORD-WORK-AREA TO LOGICAL-RECORD.
```

After you complete the modification steps, compile and relink the appropriate programs for those listed in the following table.

Action	Program
Compile	PPS100
Link	Select the appropriate link modules from the following table.

Available LIM Link Modules

Executable Module	MVS Linkset	VSE Linkset
PLS100	PYS100	PVS100

Adding User-Defined Logical Records

If you have added your own logical records to LIMs delivered with the system, and you would like to identify them to the security system, follow these steps.

Step	Action
1	Determine how many logical records you are adding.
2	Modify copybook PCVDSC to include these logical record IDs as noted in the comments section of the copybook.
3	Modify copybook PCSOPR as noted in the comments section of the copybook.
4	Modify copybook PDSSEC to include the logical record IDs in the IOS-CLEAR-LOGICAL-RECORDS paragraph in the section reserved for user defined logical records.
5	Modify copybook PDSSEC to include the paragraphs to alter the data in the new logical records in the section reserved for user defined logical records clearing paragraphs.
6	Compile/re-link the appropriate programs.

Note: Be sure your user-defined records have been added correctly to the LIM. See the section on User Segments for more information.

Example

This example illustrates the copybook changes necessary to **add a user defined logical record.**

Excerpt from Copybook PCVDSC (Step 2)

```
001400 *    *   ANY ADDITION OF EMPLOYEE LOGICAL RECORDS
001500 *    *   TO THE HR I. E. SYSTEM MUST BE INCLUDED IN
001600 *    *   THIS TABLE TO INSURE THE INTEGRITY OF THE
001700 *    *   HR I.E. SECURITY SYSTEM. IN ADDITION, THE
001800 *    *   OCCURS CLAUSE ON LINE # 800200 MUST BE INCREASED
001900 *    *   TO REFLECT ANY ADDITIONS TO THIS TABLE.
002000 *    *
002010 *    ************************************************
002800       12  PCVDSC-TABLE.
...
700000 *    ************************************************
700100 *    *                                              *
700200 *    *             THIS AREA RESERVED FOR           *
700300 *    *             USER LOGICAL RECORDS             *
700400 *    *                                              *
800000 *    ************************************************
800100       12  PCVDSC-TABLE-R          REDEFINES
800200             PCVDSC-TABLE          OCCURS 98 TIMES
800300                                  INDEXED BY PCVDSC-INDX1.
```

Excerpt from Copybook PCSOPR (Step 3)

```
001300 *    *     IF ANY EMPLOYEE OR POSITION CONTROL LOGICAL
001400 *    *     RECORDS ARE BEING ADDED TO THE HR I.E. SYSTEM
001500 *    *     AND THE SECURITY PROCESS (PDSSEC AND LIM COPY
001600 *    *      BOOKS) HAS BEEN MODIFIED TO INCLUDE THESE
001700 *    *      RECORDS, THE OCCURS CLAUSE ON LINE # 5600
001800 *    *      AND THE MAX RECS ON LINE # 4600
001900 *    *      MUST BE ENLARGED TO INSURE THE INTEGRITY
002000 *    *      OF THE HR I.E. SECURITY SYSTEM.
...
004600      12  PCSOPR-MAX-RECS          PIC S9(04) VALUE  +285
004700                                               SYNC COMP.
004800      12  PCSOPR-MAX-FLDS          PIC S9(04) VALUE  +10
004900                                               SYNC COMP.
005000      12  PCSOPR-TOTAL-RECS        PIC S9(04) VALUE  +0
005100                                               SYNC COMP.
005200 *
005300      12  PCSOPR-KEY-OP-ID         PIC X(08) VALUE SPACES.
005400      12  PCSOPR-SEARCH-KEY.
005410          16  PCSOPR-KEY-REC-ID    PIC X(06) VALUE SPACES.
005420          16  PCSOPR-KEY-MULT-IND PIC X(01) VALUE '0'.
005500 *
005600      12  PCSOPR-SEC-TABLE   OCCURS 1 TO 285 DEPENDING ON
005700                             PCSOPR-TOTAL-RECS
005800                         ASCENDING KEY IS PCSOPR-REC-TKEY
005900                         INDEXED BY PCSOPR-INDX1.
```

Excerpt from Copybook PDSSEC (Step 4)

```
035500  IOS-CLEAR-LOGICAL-REC-PDSSEC.
076000 *    ************************************************
076010 *    *
076020 *    *       THIS SPACE RESERVED FOR USER
076030 *    *       DEFINED LOGICAL RECORDS
076040 *    *
076050 *    ************************************************
           else if pcsopr-rec-id (pcsopr-indx1) equal to
                                                  '<record-id>'
                   perform ios-<record-id>-clear-pdssec
                       until pcssec-end-record equal 'y'
                       or pcsopr-indx2 greater pcsopr-max-flds

157000     ELSE
157100             NEXT SENTENCE.
```

Excerpt from Copybook PDSSEC (Step 5)

```
*
        ios-<record-id>-clear-pdssec.
       *    case of clear-<your logical record>
            if      pcsopr-all (pcsopr-indx1) equal '*'
                    move pcssec-alpha to <your logical record>
                    move 0 to
                            <any numeric fields in your record>
                    .
                    .
                    .
                    move 'y' to pcssec-end-record
                    move 'y' to pcssec-end-clear
            else
              if pcsopr-wt-fld-id (pcsopr-indx2) equal spaces
                    move 'y' to pcssec-end-record
            else if pcsopr-wt-fld-id (pcsopr-indx2) equal '1'
                    move pcssec-alpha to
                                        <your first alpha field>
                      or
                    move 0 to <your first alpha field>
                    .
                    .
                    .etc.
            else
                    move 'y' to pcssec-end-record.
       *    endcase
       *
            set pcsopr-indx2 up by +1.
```

Compile/Relink

After you complete the modification steps, compile and relink the appropriate programs for those listed in the following table.

Action	Program
Compile	PPSSEC
Compile	PPT392
Compile	PPV3M0
Link	Select the appropriate link modules from the following table.

Available LIM Link Modules

Executable Module	MVS Linkset	VSE Linkset
PLS1CA	PYS1CA	PVS1CA
PLS1D1	PYS1D1	PVS1D1
PLS1D2	PYS1D2	PVS1D2
PLS1D3	PYS1D3	PVS1D3
PLS1XA	PYS1XA	PVS1XA
PLS1XB	PYS1XB	PVS1XB
PLS10A	PYS10A	PVS10A
PLS10B	PYS10B	PVS10B
PLS10C	PYS10C	PVS10C
PLS10D	PYS10D	PVS10D
PLS10E	PYS10E	PVS10E
PLS10F	PYS10F	PVS10F
PLS10G	PYS10G	PVS10G
PLS10H	PYS10H	PVS10H
PLS10I	PYS10I	PVS10I
PLS10J	PYS10J	PVS10J
PLS10K	PYS10K	PVS10K
PLS100	PYS100	PVS100
PLS2D4	PYS2D4	PVS2D4
PLS2D5	PYS2D5	PVS2D5
PLS2D6	PYS2D6	PVS2D6
PLS2D7	PYS2D7	PVS2D7
PLS2D8	PYS2D8	PVS2D8
PLS2D9	PYS2D9	PVS2D9
PLS2JB	PYS2JB	PVS2JB
PLS3JC	PYS3JC	PVS3JC
PLS3JE	PYS3JE	PVS3JE
PLS3JF	PYS3JF	PVS3JF

Realtime Linksets

Executable Module	MVS Linkset	VSE Linkset
PLT392	PYT392	PVT392

Change Logical Records

If you have modified existing employee logical records and you want to include those records for security, you **must** modify the security system to match the changed definitions to ensure correct operation of the HRMS LIMs. The system checks for matching security records and, if no match is found, overwrites the data in the secured field.

Example

This example illustrates the copybook changes necessary to allow modified logical records to be secured.

If logical record EMP-USER-PERSONNEL-1-RECORD has been modified, then the CASE OF CLEAR-M8A10A-EMP-USER-PERSONEL-1-RECORD in paragraph IOS-M8A10A-CLEAR-PDSSEC would have to be modified to reflect these changes.

Coding

Excerpt from Copybook PDSSEC, Starting at Line 588900.

```
IOS-M8A10A-CLEAR-PDSSEC.
CASE OF CLEAR-M8A10A-EMP-USER-PERSONNEL-1-RECORD
IF          PCSOPR-ALL (PCSOPR-INDX1) EQUAL
MOVE PCSSEC-ALPHA TO EMP-USER-PERSONNEL-1-RECORD
            MOVE 0 TO <any changes or added numeric fields>
            MOVE 'Y' TO PCSSEC-END-RECORD
            MOVE 'Y' TO PCSSEC-END-CLEAR
ELSE IF     PCSORP-WT-FLD-ID (PCSOPR-INDX2) EQUAL SPACES
            MOVE 'Y' TO PPSEC-END-RECORD
ELSE IF     PCSOPR-WT-FLD-ID (PCSOPR0INDX2) EQUAL '1'
MOVE PCSSEC-ALPHA TO EMP-USER-PERSONNEL-DATA-1
ELSE IF     PCSOPR-WT-FLD-ID (PCSOPR-INDX2) EQUAL '2'
            MOVE PCSSEC-ALPHA TO EMP-USER-PERSONNEL-DATA-2
ELSE IF     PCSOPR-WT-FLD-ID (PCSOPR-INDX2) EQUAL '3'
            MOVE PCSSEC-ALPHA TO EMP-USER-PERSONNEL-DATA-3
ELSE IF     PCSOPR-WT-FLD-ID (PCSOPR-INDX2) EQUAL '4'
            MOVE PCSSEC-ALPHA TO EMP-USER-PERSONNEL-DATA-4
ELSE IF     PCSOPR-WT-FLD-ID (PCSORP-INDX2) EQUAL '5'
            MOVE PCSSEC ALPHA TO EMP-USER-PERSONNEL-DATA-5
else if     pcsopr-wt-fld-id (pcsopr-indx2) equal '6'
            move pcssec-alpha to <your new or changed item>
                              or
            move zero to <your new or changed item>
else if     pcsopr-wt-fld-id (pcsopr-indx2) equal '7'
            move pcssec-alpha to <your new or changed item>
                              or
            move zero to <your new or changed item>
ELSE
            MOVE 'Y' TO PCSSEC-END-RECORD.
ENDCASE
SET PCSOPR-INDX2 UP BY +1.
```

Action	Program
Compile	PPSSEC
Link	Select the appropriate link modules from the following table.

Available LIM Link Modules

Executable Module	MVS Linkset	VSE Linkset
PLS1CA	PYS1CA	PVS1CA
PLS1D1	PYS1D1	PVS1D1
PLS1D2	PYS1D2	PVS1D2
PLS1D3	PYS1D3	PVS1D3
PLS1XA	PYS1XA	PVS1XA
PLS1XB	PYS1XB	PVS1XB
PLS10A	PYS10A	PVS10A
PLS10B	PYS10B	PVS10B
PLS10C	PYS10C	PVS10C
PLS10D	PYS10D	PVS10D
PLS10E	PYS10E	PVS10E
PLS10F	PYS10F	PVS10F
PLS10G	PYS10G	PVS10G
PLS10H	PYS10H	PVS10H
PLS10I	PYS10I	PVS10I
PLS10J	PYS10J	PVS10J
PLS10K	PYS10K	PVS10K
PLS100	PYS100	PVS100
PLS2D4	PYS2D4	PVS2D4
PLS2D5	PYS2D5	PVS2D5
PLS2D6	PYS2D6	PVS2D6
PLS2D7	PYS2D7	PVS2D7
PLS2D8	PYS2D8	PVS2D8
PLS2D9	PYS2D9	PVS2D9
PLS2JB	PYS2JB	PVS2JB
PLS3JC	PYS3JC	PVS3JC
PLS3JE	PYS3JE	PVS3JE
PLS3JF	PYS3JF	PVS3JF

Change Alpha Masking Character

The Alpha Masking Character is used to prevent viewing of secured alphanumeric items in a completed I.E. HCM:E report. When the system is delivered, the @ is defined for this character. If you want to change this character, modify copybook PCSSEC as noted in the comments at the beginning of the copybook.

Example

Coding

Excerpt from Copybook PCSSEC starting at line 000800

```
000800*    *      TO CHANGE THE ALPHA MASKING CHARACTER FOR       *
000900*    *      THE SECURITY MODULE, CHANGE THE PCSSEC-ALPHA    *
001000*    *      VALUE CLAUSE ON LINE # 3200 TO THE CHARACTER    *
001100*    *      DESIRED.                                        *
001200*    *                                                      *
001300*    ********************************************************
001400*
001500 01  PCSSEC-WORK-AREA.
001600*
001700     12  PCSSEC-FIRST-TIME       PIC X(01) VALUE 'Y'.
001800     12  PCSSEC-PERFORM-SECURITY PIC X(01) VALUE 'Y'.
001900     12  PCSSEC-ALL-MODEL-LEVELS PIC X(01) VALUE 'Y'.
002000     12  PCSSEC-LOAD-OPR-TABLE   PIC X(01) VALUE 'Y'.
002100     12  PCSSEC-END-CLEAR        PIC X(01) VALUE 'N'.
002200     12  PCSSEC-END-RECORD       PIC X(01) VALUE 'N'.
002300*
002400     12  PCSSEC-TBL-FILE-NAME    PIC X(08) VALUE 'HRFMTFR '.
002500     12  PCSSEC-APPL-CODE        PIC X(03) VALUE 'IES'.
002600     12  PCSSEC-RECORD-ID        PIC X(03) VALUE 'TFS'.
002700     12  PCSSEC-OPR-MULT-REC-CD  PIC X(03) VALUE '001'.
002800     12  PCSSEC-MODEL-ID         PIC X(06) VALUE '*MODEL'.
002900     12  PCSSEC-ALL-L1L2         PIC X(04) VALUE '****'.
003000     12  PCSSEC-ALL-LEVEL-ID     PIC X(06) VALUE '******'.
003100*
003200     12  PCSSEC-ALPHA            PIC X(1000) VALUE ALL '@'.
003300*
003400     12  PCSSEC-H-KEY            PIC X(37) VALUE SPACES.
003410     12  PCSSEC-SAVE-OP-ID         PIC X(08) VALUE SPACES.
003500*
003600     12  PCSSEC-SUB              PIC S9(4) VALUE +0
003700                                           SYNC COMP.
003710     12  PCSSEC-SUB2             PIC S9(4) VALUE +0
003720                                           SYNC COMP.
003800*
003900     12  PCSSEC-HOLD-FEEDBACK    PIC X(144)     VALUE LOW-VALUES.
004000*
999999*    ************** END OF COPYBOOK PCSSEC ******************
```

Action	Program
Compile	PPSSEC
Link	Select the appropriate link modules from the following table.

Available LIM Link Modules

Executable Module	MVS Linkset	VSE Linkset
PLS1CA	PYS1CA	PVS1CA
PLS1D1	PYS1D1	PVS1D1
PLS1D2	PYS1D2	PVS1D2
PLS1D3	PYS1D3	PVS1D3
PLS1XA	PYS1XA	PVS1XA
PLS1XB	PYS1XB	PVS1XB
PLS10A	PYS10A	PVS10A
PLS10B	PYS10B	PVS10B
PLS10C	PYS10C	PVS10C
PLS10D	PYS10D	PVS10D
PLS10E	PYS10E	PVS10E
PLS10F	PYS10F	PVS10F
PLS10G	PYS10G	PVS10G
PLS10H	PYS10H	PVS10H
PLS10I	PYS10I	PVS10I
PLS10J	PYS10J	PVS10J
PLS10K	PYS10K	PVS10K
PLS100	PYS100	PVS100
PLS2D4	PYS2D4	PVS2D4
PLS2D5	PYS2D5	PVS2D5
PLS2D6	PYS2D6	PVS2D6
PLS2D7	PYS2D7	PVS2D7
PLS2D8	PYS2D8	PVS2D8
PLS2D9	PYS2D9	PVS2D9
PLS2JB	PYS2JB	PVS2JB
PLS3JC	PYS3JC	PVS3JC
PLS3JE	PYS3JE	PVS3JE
PLS3JF	PYS3JF	PVS3JF

Increase Field Position Indicators

If you have more than thirty items on any one logical record that you need to secure, you can modify the system for up to a maximum of 100 Field Position Indicators per logical record.

Note: We recommend that you secure the entire record using record level security rather than trying to secure more than 30 items in one record, unless you have no other option.

Modify copybook PDV3M0 (to include the logic for validating the Multiple Occurrence Indicator for values 3-9) and/or copybook PDT392 (to include the logic of validating the Multiple Occurrence Indicator for values 3-9—Realtime only)

Example

Coding

Excerpt from Copybook PDV3M0

```
109604      IF  ( PCV3M0-TFS-001-MULT-OCC-IND EQUAL '1'
109606              OR PCV3M0-TFS-001-MULT-OCC-IND EQUAL '2' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '3' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '4' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '5' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '6' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '7' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '8' )
                    or pcv3m0-tfs-001-mult-occ-ind equal '9' )
109608          MOVE SPACES TO PCV3ID-ERR-IND-ALL (24).
```

Action	Program
Compile	PPV3M0
Compile	PPT392
Link	Select the appropriate link modules from the following tables.

Available LIM Link Modules

Executable Module	MVS Linkset	VSE Linkset
PLV300	PYV30T	PVV30T

Realtime Linksets

Executable Module	MVS Linkset	VSELinkset
PLT392	PYT392	PVT392

Transaction Description

Transaction Code TFS-001

Transaction Name I.E. Operator Field Security

Note: Descriptions for notes (1), (2), and (3) follow this table.

Position(s)	Field Name	Entry Req'd (1)	Maint. (2)	Data Desc. (3)	Instructions
1-3	Transaction Code	R	RX	AN	Constant TFS
4-6	Multiple Record Code	R	RX	AN	Constant **001**
7	Maintenance Code	R	RX	AN	**A** = Add **C** = Change **D** = Delete
8-11	Reserved		RX	AN	**Blank**
12-15	Level 1-level 2	R	RX	AN	Valid level 1 – level 2 Or ******** if setting up unrestricted access or a global profile.
16-23	Operator ID	R	RX	AN	Valid I.E. Operator ID
24-29	Logical Record ID	O	RX	AN	Valid values are: **Blank** = unrestricted access **MODEL** = assigning a profile ********** = level 2 security HCM:E Logical Record ID = logical or item security
30	Multiple Occurrence	R	RX	AN	Used for item security only **0** = security for up to 10 items **1** = security for 11- 20 items **2** = security for 21- 30 items
31-38	Model Operator ID	C	MI	AN	Required if positions 24-29 are *MODEL.
39	All Fields Indicator	C	MI	AN	Not valid for models or item security. ***** = All fields are included

(continued)

Position(s)	Field Name	Entry Req'd (1)	Maint. (2)	Data Desc. (3)	Instructions
40-69	Field Position Indicators	C	MI	AN	Used for item security only. Ten 3-character fields. Valid values are 1 – 99 unless you have modified the system to allow 100 Field Position Indicators. If you allow 100 indicators, valid values are **1** – **999**. Left justified without leading zeros. NOTE: Positions 31-69 must be blank for a Delete transaction.
70-80	Reserved		R	AN	**Blank**

Key for Notes (1), (2), and (3)

Codes for Note (1)	Codes for Note (2)	Codes for Note (3)
R = Required	0 = Resets to Zero	A = Alphabetic
C = Conditionally Required	b = Resets to Blank	N = Numeric
O = Optional	# = See instructions for reset value	AN = Alphanumeric
	R = Reset not applicable	B = Blank
	M = Maintenance allowed	
	X = Maintenance not allowed	
	I = See instructions for maintenance restrictions.	

Record Description

HRMS Tables Database – PWV010

Record ID. IES

Record Size 150

Key 42 (Ascending 2-43)

Element #	Field	Length	Class (1)	Positions From	Positions Through	Remarks
1	Reserved	1		1	1	Blank
2	Application Code	3	C	2	4	Constant IES
3	Level 1	2	C	5	6	
4	Level 2	2	C	7	8	
5	Record Code	3	C	9	11	Constant TFS
6	Multiple Record Code	3	C	12	14	Constant 001
7	Operator ID	8	C	15	22	From positions 16-23 of input transaction; see *Transaction Descriptions.*
8	Logical Record ID	6	C	23	28	From positions 24-29 of input transaction; see *Transaction Descriptions*.
9	Multiple Occurrence Indicator	1	C	29	29	From position 30 of input transaction; see *Transaction Descriptions*.
10	Reserved	14	C	30	43	Blanks
11	Model Operator ID	8	C	44	51	From positions 31-38 of input transaction; *Transaction Descriptions*.
12	All Field Indicators	1	C	52	52	From position 39 of input transaction; see *Transaction Descriptions*.

(continued)

Element #	Field	Length	Class (1)	Positions From	Positions Through	Remarks
13	Field Position Indicators	30	C	53	82	From positions 40-69 of input transaction; see *Transaction Descriptions*.
14	Reserved	68	C	83	150	Blanks

Messages

These messages explain errors you may encounter while processing I.E. security for HCM:E reporting.

Message	Type	Cause/Action
INVALID TRANSACTION CODE	Rejected	Invalid Multiple Record Code entered. Enter 001.
INV BLANK OPERATOR ID	Rejected	The Operator ID is blank. Enter a valid I.E. operator ID.
INVALID LOGICAL REC ID	Rejected	A Logical Record ID was entered which is not listed in the valid logical record descriptions table. Correct the record ID if it was entered incorrectly or add the record description to the HRMS Tables File.
INVALID MULT OCC IND	Rejected	A Multiple Occurrence Indicator other than zero was entered for a transaction type that requires zero or the number entered is outside the maximum range for the indicator. Enter numbers **0**, **1**, or **2** if you have increased the maximum range, enter the appropriate number between **0** and **9**.
INVALID BLANK MODEL OP ID	Rejected	The Model Operator ID cannot be blank when the *MODEL option is being used. Enter the correct Model Operator ID.
INV MODEL OPERATOR ID	Rejected	The Model Operator ID is not blank for an option other than *MODEL or the Model Operator ID is not valid. Enter the correct Model Operator ID.
INV BLANK ALL FIELD IND	Rejected	The transaction type requires either a Field Position Indicator or an All Field Indicator and both fields are blank. Enter ***** in the All Field Indicator or specify a Field Position Indicator.
INV ALL FIELD INDICATOR	Rejected	The transaction type does not allow use of this field or * was not entered. Enter * or leave this field blank and enter a Field Position Indicator.
INV FLD POS INDICATOR – nn	Rejected	The transaction type does not allow use of this field or you have entered an invalid value. *nn* = Field Position Indicators 1 – 10. Enter the appropriate Field Position Indicators. Valid values are **1**-**999**, left justified, without leading 0s.

Reporting with Security

The following table describes some results of producing I.E. reports using I.E. security for HCM:E reporting.

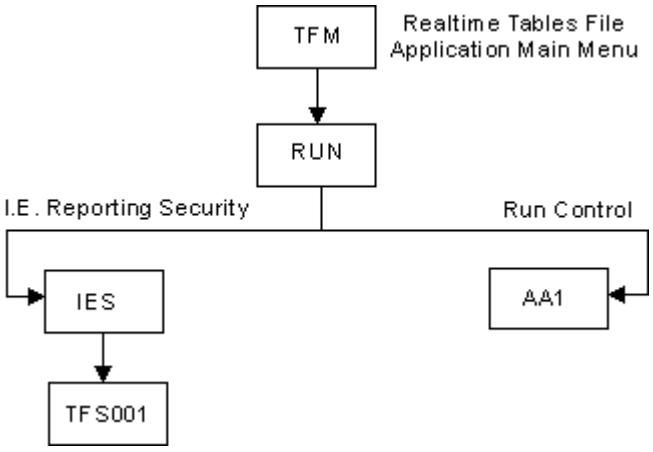
Result	Security Effect
No Report Produced	If a report request contains only secured level 2s and the requestor is not allowed to see those level 2s, the data will not be extracted and no report will be produced.
Missing Level 2s	If a report request contains both secured and unsecured level 2s, a report will be produced but it will contain only those level 2s the requestor is allowed to see.
Alphanumeric Items are **@**	If a request contains secured alphanumeric items, the report will print **@** for the items the requestor is not allowed to see.
Numeric Items are **0**	If a request contains secured numeric items, the report will print 0s for the items the requestor is not allowed to see.
Unexpected Total or Computed Item Amounts	Reports totaled by Report ID will exclude secured items. If averages on computed fields are based upon secured fields, results may be unpredictable.

Realtime Security

This section briefly explains how to use the Realtime Update feature to set up and maintain your HRMS Tables File security information.

Screen Flow

The Realtime HRMS Tables File system consists of four segments: Payroll (PAY), Personnel (PRM), Canadian (CSD), and Run Control (RUN). The IES application is a subsystem of Run Control.



Note: We recommend that you establish DCI restrictive security for the Realtime HRMS Tables File security screens. For instructions for setting up restrictive security, see the DCI documentation

Accessing Realtime Security

Follow these steps to access the Realtime Security system.

Step	Action
1	From the Payroll/Personnel Main Menu, select **Realtime Update Menu** (Screen 100).
2	Select **Realtime HRMS Tables File Update** (Screen 300).
3	Enter **S** in the (RUN) field to select **RUN CONTROL**. The Record Type Menu Screen is displayed. The other functions accessed on this screen are discussed in the HCM:E Realtime section of Chapter 6.
4	Enter **S** in the (IES) field to select **I.E. REPORTING SECURITY**.
5	Enter **S** next to **OPERATOR FIELD LEVEL SECURITY** to select it. The Operator Field Level Security screen (391) is displayed.

IES Realtime Processing

Processing security in the Realtime HRMS Tables File system varies from other system processing in the following ways:

- You can add or change transactions through the Realtime HRMS Tables File system. You can only delete transactions through the batch system.
- IES record key information will be displayed as protected fields on the screen.
- You can add IES record key information on the insert line at the bottom of the screen. The key portion of the record is displayed as protected fields once the HRMS Tables File is updated.
- You don't need to enter zero in the Multiple Occurrence Indicator field.
- When running the Realtime HRMS Tables File Audit programs (PPT918 and PPT920), the IES application is reported with other Run Control records.

Screen 391

```
ACTION: ____
 L1: AL L2: WA
 NEXT OPERATOR ID: ________
                        OPERATOR FIELD LEVEL SECURITY

 OPERATOR  LOGICAL  MULT  MODEL  ALL FLD   FIELD POSITION INDICATORS
    ID     REC ID   IND    ID     IND

 INSERT NEW OPERATOR SECURITY RECORD
 ________  ______   _   ________   _   __ __ __ __ __ __ __ __ __ __
```

Screen Type

Update-Operator Field Level Security

Purpose

To update the HRMS Tables File IES application. These fields reference operator security information for the I.E. Security for HCM:E Reporting system and include:

- Operator ID
- Logical Record ID
- Multiple Occurrence Indicator
- Model Operator ID

- All Fields Indicator
- Field Position Indicators.

Comments

The fields displayed on this screen are for inquiry only except the ALL FLD IND and FIELD POSITION INDICATORS. These are the only fields you can update on this screen.

Note: You cannot delete fields in Realtime. To delete fields, you must submit a batch TFS-001 transaction.

If a Next Operator ID is selected, the update screen displays the selected HRMS Tables File record as the first record on the screen. If not selected, the first record of this type in the HRMS Tables File displays on the screen.

Associated Transaction

TFS-001

8 Customizing the System

Chapter Contents

8-1 Introduction
8-2 Customizing Your System with DOEs
8-5 General Ledger Interface
8-10 User Segments
8-14 Editing/Validating User Transactions
8-18 Updating the Employee Master File
8-22 Implementing Selected Payroll Employee User Transactions
8-29 Reporting from User Segments - IE Considerations
8-36 LIM Efficiency - IE Considerations
8-43 Reducing Run Times
8-45 Processing Load and User Transactions Load (PLP200)
8-49 User Transaction Definitions

Introduction

This chapter contains information about customizing your system.

Customizing Your System with DOEs

Deciding How Many DOEs Are Needed

It is possible to set your system for 1 to 1295 deductions and other earnings (DOEs). When it is delivered, the system is set up for the maximum number: 1295. You can decrease that number to meet your needs.

Consider the following information to decide the maximum number of DOEs to set up for your system.

- The maximum number of DOEs you define is for the entire system; it is not variable by level 1-level 2.
- The maximum you decide on should meet current and anticipated future needs.
- Memory and time requirements to run payroll increase as the number of DOEs increases.

Over view of PPPDOE and PPPASM

The PPPDOE program is used with another assembler program, PPPASM. PPPASM acquires the amount of main storage needed by the individual application programs to process DOEs. PPPASM uses the number of DOEs and the calculated storage requirement to allocate the memory required dynamically.

Process

After you decide on the number of DOEs you want, follow these steps:

Step	Action
1	Change the value of NODOE to the number of DOEs you want. After you change **NODOE**, PPPDOE is reassembled and the load modules are relinked. A table showing the linked modules follows this table.
2	You can adjust the amount of contiguous memory available by changing the variable in **MAXGE**T in PPPDOE. For MVS systems, the value is in GETMAIN; for VSE it is in GETVIS. The system is delivered with this value set to 32K, which should be sufficient for most environments. Memory requirements for the application programs are listed following this table.
3	Calculate the amount of memory required for the number of DOEs you have set up for your system, multiply the number of DOEs by the storage requirement plus the fixed portion. The accumulation of these totals for the various 01 levels will determine how many 01 levels can be retrieved in one GETMAIN or GETVIS based on the value set in the MAXGET variable.

Linked Modules

This table lists load modules and associated linksets (from Step 1).

Note: In this table,
C = Canadian
P = Payroll
M = Personnel
0 = All

Load Module	MVS Linkset	VSE Linkset
[C] PLC400*	PYC40T	PVC40T
[G] PLG200	PYG200	PVG200
[P] PLL550*	PYL55T	PVL55T
[0] PLP400	PYP40T	PVP40T
[0] PLP600	PYP60T	PVP60T
[P] PLP700	PYP70T	PVP70T
[0] PLRSKL	PYRSKL	PVRSKL
[P] PLR100	PYR10T	PVR10T
[M] PLR200	PYR20T	PVR20T
[P] PLR300	PYR300	PVR300
[P] PLR400*	PYR40T	PVR40T
[P] PLR500	PYR50T	PVR50T
[C] PLR900	PYR900	PVR900
[P] PL2000	PY2000	PV2000

* These load modules also call PPPAS1 to acquire more main storage to process DOEs.

Storage Requirements

This table lists storage requirements per DOE by program (from Step 2).

Program	Bytes per DOE	Fixed Portion
PLC400	22	28
PLG200	14	9
PLL550		
PP5500	17	23
PM5505	462	21,222
PLP400	9	15
PLP600	3	3
PLP700	14	16
PLRSKL	*9	15
PLR100	35	31
PLR200	3	9
PLR300	296	2
PLR400		
PPR401	16	24
PPR403	340	24
PPR404	196	24
PLR500	31	37
PLR900	57	25
PL2000	35	31

* This can vary depending on your needs.

Note: Client modifications to PPPASM, PPPAS1, and PPPDOE are not supported.

General Ledger Interface

This section explains the files used in the General Ledger Interface and modifications you can make to delivered code.

Payroll/GLI Files

To handle the input and output requirements of the General Ledger Interface, the Employee Master File and Labor Distribution/GLI Payroll Detail File store GLI data. This table lists GLI records by file:

File	Records used in GLI
Employee Master File	▪ Organization Header (Segment 104) ▪ Organization Trailer
LD/GLI Payroll Details	▪ Organization Header ▪ Employee Detail: Type 1 - GLI records Type 2 - LD dollar records Type 3 - LD hour records. **Note:** All employee detail records contain an internally generated transaction code that separates different kinds of transactions generated.

Modifying GLI Table of Accounts Options

The construction of the account number and center number can be expanded if the delivered options do not meet your needs. Instructions are included in the PPG200 program, copybook PDG2CC.

This table describes the values delivered for the account/center construction routines.

Option	Delivered Values
Account Numbers	**1** – **9**. See *Transaction Descriptions* for detailed explanation of values.
Center Numbers	**1** – **8**. See *Transaction Descriptions* for detailed explanation of values.
Modifications – Partial Programming	**A** – **H**. You can modify options in program PPG200, copybook PDG2CC, to define account/center construction routines to satisfy your special requirements.

Modifying Output File Layout

The output of journal entries created by Payroll GLI - Summarize, Batch, and Report (PPG300) is compatible with the E Series General Ledger system.

To reformat this file so that it is compatible with other general ledger systems, you can write a separate conversion program or you can modify the record description to meet the specific needs of another system.

If necessary, you can use the output file from PPG200 or PPG300 as input to your program to create a journal entry file meeting the specific requirements of your general ledger system.

Labor Distribution/GLI Payroll Detail File

The Labor Distribution/GLI Payroll Detail File (PWP190) initially consists of all dollar and hour activity for the current pay period. It is composed of records produced from Compute (PLP700) in these programs: PPP750, PPP752, PPP760, and PPP783.

This table shows the records in the file used for GLI processing:

Record Type	Contents
0 - Header record	Level 1-level 2 options: ▪ Run date ▪ Period-end dates ▪ Check dates ▪ Level 1-level 2 name Accrual parameters.
1 - GLI record	Detailed current pay period activity information for payroll – separated by transaction code. The six subtypes of GLI records are: ▪ Gross payroll-related expenses ▪ Payroll-related expenses ▪ Gross payroll liabilities ▪ Payroll-related liabilities ▪ Miscellaneous data ▪ Hours data.
2 - Labor Distribution Detail	Dollars
3 - Labor Distribution Detail	Hours
9 - Trailer record	For each level 1-level 2: ▪ Record counts ▪ Dollar totals ▪ Gross payroll ▪ Expenses ▪ Suspense accounts.

Each transaction in record types 1, 2, and 3 has an assigned transaction code. See the Transaction Code List in the *User Guide*.

Distribution Table Layout

The Distribution Table contains the following information:

Field	Length	Values
Level 3	4	
Level 4	4	
Level 5	4	
Extended Distribution Code	10	
Earnings Code	2	**^A** = Regular **^B** = Overtime **01** – **90** = Other
Hours Code	2	**^A** = Regular **^B** = Overtime **01** – **90** = Other
Earnings Type	1	**1** = Automatic Regular **2** = Automatic Other **3** = Time entry transaction
Month Code	1	
Gross Amount	6	**S9(9)V9(2)**
Hours	5	**S9(7)V99**
Percentage to Total Gross	3	**S9V9999**
FICA/Medicare Taxable	1	**Blank** = yes ***** = no
FUI Taxable	1	**Blank** = yes ***** = no
SUI Taxable	1	**Blank** = yes ***** = no

^ = blank

Expanding the Distribution Table

The Distribution Table is set up for 50 distribution entries. You can change the size of the Distribution Table by increasing the OCCURS clause to the desired limit and changing the table access routines to handle the new maximum. The affected copybooks are PCG7WA and PDG7WA.

Transaction Suffix

The transaction suffix user exit is provided in the General Ledger Interface to be used to further break down the General Ledger accounts for specific items (regular salaried payroll, regular hourly payroll, etc.) by some field in the Employee Master File. The following code is provided as a guide to the appropriate placement of your user-defined transaction suffix data.

Copybooks to Update

(P) PAP190	! (P) PDZ7TS	(P) PHC783
(P) PDP783	(C) PHC736	

Where:
P= Payroll
C= Canadian Reporting System
! = New Member

Programs to Update

(C) PPC736	(P) PPP700	(P) PPP783

Where:
P= Payroll
C= Canadian Reporting System

Source to Compile/Assemble

(P) PM5512	(C) PPC736	(P) PPP700
(P) PPP712	(P) PPP714	(P) PPP716
(P) PPP717	(P) PPP722	(P) PPP730
(P) PPP740	(P) PPP750	(P) PPP752
(P) PPQ701	(P) PPP760	(P) PPP783

Where:
P= Payroll
C= Canadian Reporting System

Linksets Used to Link

Batch Links

Executable Module	MVS Linkset	VSE Linkset
(P) PLP700	PYP700	PVP700

Online Links

Executable Module	MVS Linkset	VSE Linkset
(P) PLQ700	PYQ701	PVQ701

```
---+----1----+----2----+----3----+----4----+----5----+----6----+----7--
¬SETDC     +            X
¬UPDTEA
¬EDIT SPAP190
010131         10  P04-RCD-L0          PICTURE X(4)   VALUE LOW-VALUES.
010132         10  P04-RCD-L1          PICTURE XX     VALUE LOW-VALUES.
010133         10  P04-RCD-L2          PICTURE XX     VALUE LOW-VALUES.
010134         10  P04-RCD-TRAN-CD
010135            15  P04-RCD-TC-TYP   PICTURE X      VALUE LOW-VALUES.
010136            15  P04-RCD-TC-IND   PICTURE X(3)   VALUE LOW-VALUES.
010137         10  P04-RCD-TRAN-SUFF   PICTURE X(16)  VALUE LOW-VALUES.
010138         10  P04-RCD-TRAN-IND    PICTURE X(5)   VALUE LOW-VALUES.
010139         10  P04-RCD-SORT-KEY    PICTURE X(7)   VALUE LOW-VALUES.
010140*        10  FILLER              PICTURE X(41)  VALUE LOW-VALUES.
010141         10  P04-RCD-SEP         PICTURE X      VALUE LOW-VALUES.
¬EDIT SPDP783                                          A
137310         PERFORM BUILD-TRAN-SUFF
¬INCLDSPDZ7TS                                          A
000100 BUILD-TRAN-SUFF SECTION.
000300*    NOTE ***********************************************
000500*         *  THIS SECTION BUILDS THE TRANSACTION SUFFIX   *
000600*         *  FOR ALL TRANSACTIONS THAT HAVE THE REQUIRE-  *
000700*         *  MENT.  THE USER SHOULD TEST THE TRANSACTION  *
000800*         *  CODE TO DETERMINE WHICH TRANSACTIONS WILL    *
000900*         *  HAVE THE SUFFIX BUILT.                       *
001100*         ***********************************************
001300 BTX-PDZ7TS-010.
001400     MOVE ZEROES TO P04-RCD-TRAN-SUFF.
001500*    <enter your code here>
800000 BTX-PDZ7TS-EXIT.
800100     EXIT.
¬EDIT SPHC736                                          A
201450                              PCPEMK-EMPLOYEE-MASTER-KEY
201455                              WW-N01-INPUT-AREA
¬EDITSPHP783                                           A
201350                              PCPEMK-EMPLOYEE-MASTER-KEY
201355                              WW-N01-INPUT-AREA
¬EDIT SPPC736                                          A
193500     01 PCPEMK-EMPLOYEE-MASTER-KEY   COPY PCPEMK.
193600     01 WW-N01-INPUT-AREA            COPY PCPEML.
201450                              PCPEMK-EMPLOYEE-MASTER-KEY
201455                              WW-N01-INPUT-AREA
¬EDIT SPPP700
503580 CPY-PPP700-PDZ7TS.                  COPY PDZ7TS.
¬EDIT SPPP783                                          A
193500     01 PCPEMK-EMPLOYEE-MASTER-KEY   COPY PCPEMK.
193600     01 WW-N01-INPUT-AREA            COPY PCPEML.
200350                              PCPEMK-EMPLOYEE-MASTER-KEY
200355                              WW-N01-INPUT-AREA
599000*
599100 CPY-PPP783-PDZ7TS.                   COPY PDZ7TS.
```

User Segments

User segments are additional data segments provided so that you can manage organization-level or employee-level data that is not defined by the delivered system. User segments are provided on the Employee Master File, as are transactions for updating them.

	Organization	Employee
Segment Number	Payroll: 110 Personnel: 186	Payroll: 500 Personnel: 800-801
Related Transactions	Payroll: CS-4, CS-5, CS-6 Personnel: PJ-0 – PJ-4	Payroll: NL/RL, NM/RM, NN/RN Personnel: PK-0 – PK-9
Employee Master File Copybook	Payroll: PCPEML Personnel: PCPMLM	Payroll: PCPEML Personnel: PCPMLM
Transaction Validation Copybooks (PLP400)		
User Definitions	Payroll: PCZPOR Personnel: PCZMOR	Payroll: PCZPEM Personnel: PCZMEM
Procedure Division	Payroll: PDP464 Personnel: PDP466	Payroll: PDP465 Personnel: PDP467
Program	Payroll: PPP464 Personnel: PPP466	Payroll: PPP465 Personnel: PPP467
File Maintenance (Update) Copybooks (PLP600)		
Define Print Lines	Payroll: PCZCSU Personnel: PCZUPJ	Payroll: PCZLMN Personnel: PCZUPK
Procedure Division	Payroll: PDZ60M Personnel: PDZ618	Payroll: PDZ616 Personnel: PDZ621
Print Line Formatting	Payroll: PDZ6ZM Personnel: PDZ6Z8	Payroll: PDZ6Z6 Personnel: PDZ6Z1
Initialization	Payroll: PDZ01P Personnel: PDZ01M	Payroll: PDZEIP Personnel: PDZEIM

Types of User Segments

The user segments and transactions are divided into four groups.

Group	Description	Segment Number(s)	Transactions
1	Payroll Organization Level	110	CS-4, CS-5, CS-6
2	Payroll Employee Level	500	NL/RL, NM/RM, NN/RN
3	Personnel Organization Level	186	PJ-0 through PJ-4
4	Personnel Employee Level	800-801	PK-0 through PK-9

Payroll Standalone customers are able to use the Payroll organization and employee level segments and transactions. Superbase customers (combined system) users are able to use the Payroll and Personnel organization and employee level segments and transactions. The preceding table shows the segment numbers and related update transactions.

Related Transactions

As the system is issued, each user transaction updates a specific portion of a user segment. Neither the individual segment areas updated nor the transaction areas updating them are defined as individual fields. Instead, they are defined as large, undifferentiated strings of characters whose size is limited by the 80-character transaction format. The individual segments are updated by their related user transactions.

This table lists user transactions and their related segments.

	Transaction		User Segment	
Group **Number**	**Code**	**Position**	**Number**	**Position**
1	CS-4	17-78	110	25-328*
	CS-5	Not Used		
	CS-6	Not Used		
2	NL	17-80	500	25-88
	NM	17-80	500	89-152
	NN	17-77	500	153-216**
3	PJ-0	18-80	186	25-87
	PJ-1	18-80	186	88-150
	PJ-2	18-80	186	151-213
	PJ-3	18-80	186	214-276
	PJ-4	18-69	186	277-328
4	PK-0	18-80	800	25-87
	PK-1	18-80	800	88-150
	PK-2	18-80	800	151-213
	PK-3	18-80	800	214-276
	PK-4	18-69	800	277-328
	PK-5	18-80	801	25-87
	PK-6	18-80	801	88-150
	PK-7	18-80	801	151-213
	PK-8	18-80	801	214-276
	PK-9	18-80	801	277-328

* Record positions 87-328 are blanked out when the CS-4 transaction is entered.

** Record positions 214-216 are blanked out when the NN transaction is entered.

Record Descriptions

For Payroll, the employee level transactions NP/RP, NR/RR, and NS/RS through NZ/RZ are reserved strictly for client use. These transactions are defined for updating the remaining portion of the 500 segment and setting up additional 500-series segments. However, the transactions and additional 500-series user segments are not delivered as part of the system, and code is not provided to support these features. See Implementing Selected Payroll Employee User Transactions in this chapter for information on how reserved user transactions (NP, NR, and NS-NZ) and segments can be implemented through modifications to the system.

Editing/Validating User Transactions

As the system is delivered, the only user transaction fields edited are the transaction code, transaction separator (PMRS transactions only), levels 1 and 2, and employee number. You must program any additional edits required for your particular user data.

Subdividing User Transactions

Depending on your user data definitions, you might need to divide the user transaction areas that are defined as single, large fields into several smaller fields. To accomplish this, the data definitions delivered with the system must be modified. These transaction definitions are found in a series of copybooks — one copybook for each transaction group.

Group	Description	Copybook Name
1	Payroll Organization Level	PCZPOR
2	Payroll Employee Level	PCZPEM
3	Personnel Organization Level	PCZMOR
4	Personnel Employee Level	PCZMEM

If you divide the user transaction areas into smaller fields, you will almost certainly also need to subdefine the user segment definitions supplied with the system. Two additional copybooks contain these Employee Master File definitions: PCPEML for Payroll and PCPMLM for Personnel. Be careful when modifying these copybooks. They are changed quite often when new fields are added to the system.

Group	Copybook	Segment Number
1	PCPEML	110
2	PCPEML	500
3	PCPMLM	186
4	PCPMLM	800, 801

This table gives a description of each group and the associated transactions.

Group	Description	Transactions
1	Payroll Organization Level	CS-4, CS-5, CS-6
2	Payroll Employee Level	NL/RL, NM/RM,NN/RN
3	Personnel Organization Level	PJ-0 through PJ-4
4	Personnel Employee Level	PK-0 through PK-9

Validation Considerations

User transactions are not validated by the system beyond basic transaction identification because it is difficult to anticipate specific user data requirements in advance. It is very likely that you will need to code your own user transaction editing and validating if you subdivide the user data definitions supplied with the system into your own user fields. The edit/validate processing in the system requires you to create code that performs the following functions:

- Implement the edit/validation criteria you have defined for your user fields
- Define all applicable error messages and indicate the appropriate errors as they are detected
- Define all applicable warning messages and indicate the appropriate warnings when required.

Predefined User Copybooks

To simplify this coding activity, several predefined user copybooks are provided with the system. These copybooks perform specific functions related to user transaction edit/validate processing. They should be modified to reflect your processing requirements as follows:

The copybooks PCZ4ET, PDZ4ET, PCZ4SM, PCZ4EM, and PCZ4WM define and process the Transaction Validate (PLP400) report edit and warning messages that you have established for your user transactions.

- PCZ4SM defines a table of 30-character sequence error message entries. You must expand this table to include any sequence error messages that you have defined. As issued, this copybook contains one blank entry. This entry is provided to satisfy compiler requirements and can contain your first sequence error. As additional messages are defined, the table must be expanded. When expanded, the OCCURS clause on the data name redefining the table must be changed accordingly. The copybooks PCZ4ET and PDZ4ET must also be changed. Explanations of the required changes follow.
- PCZ4EM defines a table of 30-character edit error message entries. You must expand this table to include any edit error messages that you have defined. This copybook is issued in the same manner as the copybook PCZ4SM; it requires the same type of changes.
- PCZ4WM defines a table of 30-character warning message entries. You must expand this table to include any warning messages that you have defined. Again, this copybook is issued in the same manner as the copybook PCZ4SM; it requires the same type of changes. PCZ4ET contains three tables that correspond to the three message tables already described. The purpose of these tables is to provide a means of indicating which error and/or warning messages must be printed by the Transaction Validate for each user transaction processed. Each table is a series of one-character switches that correspond to the table entries in the respective message table. If an * is moved to a particular entry in one of these error/warning message switch tables, the corresponding error/warning message from the related message table is printed on the Transaction Validate report.

For example, if the sixth character of the edit error table in PCZ4ET is set to *, the sixth message in the edit error message table (PCZ4EM) is printed on the Transaction Validate report. As issued, each of the switch tables contains one entry that corresponds to one entry in the associated message table.

- PCZ4ET also contains a set of fields that define the maximum number of errors/warnings defined by each switch table. The copybook PDZ4ET contains Procedure Division code that initializes PCZ4ET and sets values for the maximum number of entries in the error/warning switch tables. As additional errors and warnings are defined, both the appropriate message table and the corresponding switch table must be expanded. The corresponding maximum table entries value in PCZ4ET must also be increased.

Note: If a sequence error or edit error is indicated by moving * to the appropriate entry in the sequence or edit error switch table, the user transaction is rejected, that is, not written to the Valid Transaction File PWP110.

Printing Warning and Error Messages

The Procedure Division copybook PDZ427 is provided to print the appropriate user warning and error messages on the Transaction Validate report. It also clears the error and warning switch tables in copybook PCZ4ET after print processing is completed. This copybook is maintained by the developer and is subject to future maintenance changes.

Copybooks for Edit and Validate

Four copybooks are provided to contain the code implementing the edit and validate criteria that you have defined for your user transactions. Each group of user transactions previously identified has one copybook.

Group	Copybook Name	User Definitions Data	COBOL Program
1	PDP464	PCZPOR	PPP464
2	PDP465	PCZPEM	PPP465
3	PDP466	PCZMOR	PPP466
4	PDP467	PCZMEM	PPP467

This table gives a description of each group and the associated transactions.

Group	Description	Transactions
1	Payroll Organization Level	CS-4, CS-5, CS-6
2	Payroll Employee Level	NL/RL, NM/RM,NN/RN
3	Personnel Organization Level	PJ-0 through PJ-4
4	Personnel Employee Level	PK-0 through PK-9

These copybooks are included in the indicated programs based on their function. Each procedure has access to the user transaction data definition copybook shown.

Each procedure copybook consists of

- A move from the standard transaction definitions in the Linkage Section (copybook PAP030) to the appropriate user transaction definition copied into Working Storage
- An area following the move reserved for the insertion of you edit/validate routines
- A return move from the user transaction definition back into the standard definition in Linkage.

Note: This copybook structure should be flexible enough to satisfy the requirements of your user transaction edit/validate processing.

Updating the Employee Master File

As noted previously, the system is issued so that each user transaction updates a portion of an Employee Master File user segment. If you redefine the transactions into multiple smaller fields, the Update Master File programs and copybooks must be modified to update individually defined user segment fields. Also, if you choose to report the before and after results of each individual user maintenance change (field by field, rather than by entire user transaction, as delivered), you must supply the user coding to accomplish this reporting.

As with the Transaction Validate, the following copybooks are copied into Update Master File to provide you with a basic structure for making your user transaction processing modifications.

Function	Copybooks
Define the four groups of user transactions	PCZPOR
	PCZPEM
	PCZMOR
	PCZMEM
Contain the Employee Master File user segments	PCPEML (Payroll)
	PCPMLM (Personnel)

The following copybooks provide a place to define the print lines used for reporting the before and after status of user segments as updated by user transactions. Comments in each copybook define how to expand the code.

Group	Copybook
1	PCZCSU
2	PCZLMN
3	PCZUPJ
4	PCZUPK

These print line copybooks must be referenced by the user segment updating procedures to properly print before and after status. This status printing function is included in the following discussions of user segment updating.

Updating the Payroll Organization User Segment

Copybook PDZ6OM contains the minimum Procedure Division code required for updating the 110 segment from the CS-4 transaction. The initial setup for processing the CS-5 and CS-6 transactions is also provided. In this copybook, if position 80 of a transaction contains an **R**, the transaction changes an existing master, and the current status of the master is printed prior to updating the user segment area. The print routine is also performed after the master is updated, regardless of whether the transaction adds or changes Employee Master File user data. This copybook must be modified if you have redefined the 110 segment into smaller, individual fields requiring separate updating.

Print line formatting logic is provided in copybook PDZ6ZM. This logic treats each transaction updating the Employee Master File user segment as a single, large field. You must replace the logic with detailed print line formatting if you intend to print individual user field changes.

Comments in these copybooks define additional coding requirements.

Updating the Payroll Employee User Segment

Copybook PDZ616 contains the minimum Procedure Division code required for updating the 500 segment from the NL/RL, NM/RM, and NN/RN transactions. If the first character in a transaction is an R, the transaction changes an existing master and the current status of the master is printed prior to updating the user segment area. The print routine is also performed after the master is updated, regardless of whether the transaction adds or changes Employee Master File user data. This copybook must be modified if you have redefined the 500 segment into smaller individual fields requiring separate updating.

Print line formatting logic is provided in copybook PDZ6Z6. This logic treats each transaction updating the Employee Master File user segment as a single, large field. You must replace the logic with detailed print line formatting if you intend to print individual user field changes.

Comments in these copybooks define additional coding requirements.

Updating the PMRS Organization User Segment

Copybook PDZ618 contains the minimum Procedure Division code required for updating the 186 segment from the various PJ transactions. This routine first prints the current status of the master record. Then the user segment area is updated and the print routine is performed again.

This copybook must be modified if you have redefined the 186 segment into smaller individual fields requiring separate updating.

Print line formatting logic is provided in copybook PDZ6Z8. This logic treats each transaction updating the Employee Master File user segment as a single, large field. You must replace the logic with detailed print line formatting if you intend to print individual user field changes.

Comments in these copybooks define additional coding requirements.

Updating the PMRS Employee User Segment

Copybook PDZ621 contains the minimum Procedure Division code required for updating the 800-801 segments from the various PK transactions. This routine first prints the current status of the master. The user segment area is then updated. The print routine is performed again. This copybook must be modified if you have redefined the 800 and/or 801 segments into smaller, individual fields requiring separate updating.

Print line formatting is provided in copybook PDZ6Z1. This logic treats each transaction updating the Employee Master File user segment as a single, large field. You must replace the logic with detailed print line formatting if you intend to print individual user field changes.

Comments in these copybooks define additional coding requirements.

Initializing the Employee Master File for User Segments

When the system creates a user segment, a switch is set to indicate to the Write Employee Master File I/O control routine that the user segment contains data. The Procedure Division copybooks that update user segments all contain this switch setting logic. You must not remove this logic when modifying these copybooks.

All Employee Master File user segments are initialized to blanks by Update Master File when a new organization or employee is added or when the segment is not present for an existing organization or employee. Four copybooks are provided for initializing the user segments to something other than blanks.

Group	Copybook
1	PDZOIP
2	PDZEIP
3	PDZOIM
4	PDZEIM

Add any special initializing code that is required for your user segments to the appropriate copybooks. These special initializing routines are performed for a new organization or a new employee as required.

If it is possible that existing organization/employee master records do not contain defined user segments and you require the user area to be initialized to something other than blanks when establishing the segment for these existing records, include code in program PPP900 to access this special initialization. This requires creating new user copybooks containing additional special initialization and performing this code from PDP940.

Your special initialization for organization user segments should be performed as part of the PDP940 code that identifies and processes type 1 master records. The special initialization for employees should be part of the test for and processing of type 2 master records. Any new copybooks referenced by the code you add to PDP940 must be copied into the program PPP900.

Implementing Selected Payroll Employee User Transactions

The NP, NR, and NS-NZ user transactions are reserved for your use in defining additional Payroll employee level user fields. If you require a significant number of user fields in the Employee Master File, you are likely to exceed the storage in the 500 segment. This storage is available through the use of the NL, NM, and NN transactions. Because these are the only Payroll employee user transactions actually issued as part of the system, accessing the balance of the 500 segment requires implementing one or more of the additional payroll employee user transactions.

The following guidelines are provided to aid you in modifying the system to process any of the additional Payroll employee user segments. Of course the single most important guideline is to make sure that you isolate your modifications as much as possible from code that is maintained by the developer. This not only simplifies future maintenance to your modifications, but also prevents conflicts with future product enhancements.

General Guidelines

Consider these general guidelines when making any user transaction processing modifications outside the skeleton structure provided with the system:

- If you require additional copybooks for your system modifications, you should follow the HRMS standard for assigning names to the user-defined source members.
  - A six-character name should be assigned to assure uniqueness.
  - The first character should always be a P to identify the member as an HRMS member.
  - The second character is either:
    C - Data Division (Working Storage or Linkage) copybook
    or
    D - Procedure Division copybook
  - The third character should be Z to identify the source member as user-defined.
  - The fourth through sixth characters should be assigned for uniqueness. Be careful to avoid conflicts with user member (Z) names defined by the developer.

- HRMS transaction processing establishes the convention that an **R** entered in the first position of a field causes the field to be reset to a null value. Normally, this null value is blanks for an alphanumeric field and zeros for a numeric field. The reset value for a field can also be the default option defined for the field. Using this convention should help you construct code that parallels the system's code as delivered. This, in turn, should make your modifications easy to understand within their program content.
- If you directly modify system copybooks or establish connections from them to your own copybooks, you should always refer to the *Copybook-to-Program Cross-Reference* printed from Insight on the Internet to determine all the programs that must be recompiled.

Using the Reserved Transaction Codes

The NP and NR transaction codes are reserved for a simple extension of the NL-NN logic to access the balance of the 500 segment. The NS-NZ transaction codes are reserved for a simple extension of the NL-NN logic to access the balance of the 500 segment. The NS-NZ transaction codes are reserved for accessing additional 500 series segments. Note that the N0 through N9 transaction codes are reserved for the developer.

If you require more than the single 500 segment of the 500 series segments for maintaining your Payroll employee user-defined data, you should consider the following transaction usage schemes:

- Assign an NS series of transactions to update segment 501, an NT series to update segment 502, and NU series to update segment 503, and so forth. Establish a separator code in the transactions (possibly position 80) to distinguish between the transactions in a series and to determine which part of a segment each transaction in a series updates.
- Continue to use only the NL-NR transaction codes (the NL, NM, NN, NP, and NR transactions can update a full segment) but specify in the transactions which 500 series segment each particular transaction updates.

Note: As the system is delivered, only the first and second characters of the transaction code are sorted for Payroll transactions. A special problem occurs if you define data in any one transaction that logically depends on data defined in any other transaction.

For all **N** transactions mentioned earlier, the corresponding R transaction codes can be used for file maintenance.

Processing the Reserved User Transactions

To process reserved user transactions and update your additional 500-series user segments, follow the structure of the skeleton code provided for processing the NL-NN transactions and updating the 500 segment.

Required Changes by Copybook

The major components of this skeleton structure and a brief description of the changes required for each copybook are listed in the following sections. In some cases, an example is given.

Copybook PCP2TC

Increases the maximum number of entries by the number of additional user transactions added.

```
067400          10  WW-CODES-AND-COUNTERS   OCCURS 10 TO 103 TIMES
```

Copybook PDP2TC

Initialize the new user transaction table entries in copybook PCP2TC to HIGH-VALUES. Also change the MOVE statement initializing PCP2TC-OCCURANCE-LIMIT to reflect the addition of table entries for the new transactions.

```
201100      MOVE +103 TO PCP2TC-ENTRIES.
209965      MOVE   +103         TO  PCP2TC-OCCURANCE-LIMIT.
```

Copybook PDP2PI

Initialize the new user transaction table entries added in copybook PCP2TC to reflect the additional transaction codes. Change the incrementing of WW-BREAKDOWN-LIMIT, the dataname controlling the transaction code table search, to reflect the number of user transactions you have added to the Payroll transactions table.

Note: If the developer adds additional Payroll transactions, the related code may conflict with your changes.

```
209650      ADD     X66          TO WW-BREAKDOWN-LIMIT.
```

Copybook PDP42P

Add test(s) to identify and dispatch your additional user transaction codes where these same tests are made for the NL/RL, NM/RM, and NN/RN transactions.

Copybook PDP465

Add code to edit/validate your additional transactions following the edit/validation structure established for the existing Payroll employee user transactions.

Copybook PCZPEM

Insert code defining your additional user transactions following the edit/validation structure established for the existing Payroll employee user transactions.

Copybook PCZLMN

Insert code defining update status print lines for reporting the status of your additional user segments before and after updating from your transactions.

Copybook PDZ616

Insert code updating the appropriate user segments on the Employee Master File from your additional transaction. Move 1s to the applicable write switches that you define in copybook PCPWWK (see PCPWWK).

Copybook PDZ6Z6

Insert code to move the Employee Master File fields updated by your additional transactions to the print line copybook PCZLMN.

Copybook PDZEIP

Add code initializing the additional Employee Master File user segments as needed.

Note: Delivered code will initialize the additional user area you have defined to spaces.

Copybook PCPEML

Add definitions for your additional user segments to the Employee Master File area definition. References lines 010900 – 011700 (500 employee segment) and 083700 – 085800 (800-801 employee segments).

Copybook PAP01S

Add definitions for the defined length of each of your additional user segments. These definitions redefine the P01-EMP-ALL data definition, and should contain FILLER for the undefined portion (if any) of each additional segment. Add these definitions between lines 050500 – 051300 (500 employee segment),) 065100 – 066700 (800-801 employee segments) and 069500 – 070000 (110 organization segment).

Note: It may be possible to use the 500 segment definition provided.

Copybook PCPRWK

Add a switch to the definition of WW-READ-MASTER-SWITCHS for each additional Payroll user segment that you define. These switches must be set to 1 when the respective segments are read. The switches are set in copybook PDPRMP as the individual segments are read and moved to the Employee Master File area.

Add switches corresponding to those added in WW-READ-MASTER-SWITCHS to the definition of WS-OUTPUT-SWITCHS. These additional output switches determine which optional segments to write.

Excerpt from Copybook PCPRWK:

```
----+----1----+----2----+----3----+----4----+----5----+----6---
003910          10 WS-SEGMENT-106-READ          PICTURE X.
004000          10 WS-SEGMENT-110-READ          PICTURE X.
004010          10 WS-SEGMENT-12X-READ          PICTURE X.
...
004125          10  WS-SEGMENT-492-499-READ     PIC X.
004130          10 WS-SEGMENT-500-READ          PIC X.
...
004150          10  WS-SEGMENT-106-WRITE        PIC X.
004155          10  WS-SEGMENT-110-WRITE        PIC X.
004160          10  WS-SEGMENT-12X-WRITE        PIC X.
...
004440          10  WS-SEGMENT-492-499-WRITE    PIC X.
004445          10  WS-SEGMENT-500-WRITE        PIC X.
```

Note: WW-READ-MASTER-SWITCHS is moved to WS-OUTPUT-SWITCHS as a group move.

Copybook PCP700

Increase the total number of characters defined by SV-N01-INPUT-AREA. Add 304 for each additional user segment defined.

```
006100          16  SV-N01-INPUT-AREA           PIC X(21649)
```

Copybook PDPRMP

Insert code immediately after line 098000 to process the additional 500-series user segments. Implement logic for each segment similar to the logic for the 500 segment. Conclude the routines with a perform of READ-N01-PAYROLL-MASTER to read the next physical segment following the last user segment.

Excerpt from Copybook PDPRMP

```
----+----1----+----2----+----3----+----4----+----5----+----6---
006700 RCP-040-PDPRMP.
006800     IF  N01-SEQUENCE-NO NOT EQUAL '110'
006900         MOVE '0' TO WS-SEGMENT-110-READ
007000         GO TO RCP-050-PDPRMP.
007100*
007200     MOVE N01-HDR-ALL TO WW-IP-HDR-SEGMENT-110.
007300     MOVE '1' TO WS-SEGMENT-110-READ.
007400     PERFORM READ-N01-PAYROLL-MASTER.
007500*
007600     IF  WS-ERROR EQUAL '1'
007700         GO TO RCP-EXIT-PDPRMP.
007800*
...
097100 REP-170-PDPRMP.
097200     MOVE '0' TO WS-SEGMENT-500-READ.
097300*
097400     IF  N01-SEQUENCE-NO NOT EQUAL '500'
097500         GO TO REP-EXIT-PDPRMP.
097600*
097700     MOVE '1' TO WS-SEGMENT-500-READ.
097800     MOVE N01-EMP-ALL TO WW-IP-EMP-SEGMENT-500.
097900         PERFORM READ-N01-PAYROLL-MASTER.
098000*
098100     IF  WS-ERROR EQUAL '1'
098200         GO TO REP-EXIT-PDPRMP.
098300*
098400 REP-EXIT-PDPRMP.
098500     EXIT.
098600*
```

Reporting from User Segments - IE Considerations

The HCM:E system uses five logical records to process user segments. Each of these logical records contains the Employee Master File key and five unique items. Three ways to report data from the user segments are available. Each of these options is discussed later in this section.

The Five Logical Records

This table lists each logical record used to process user segments, as well as its type and the segment it represents.

Type	Name	Representing
Payroll	ORG-USER-PAYROLL-INFO-RECORD	User segment 110
	EMP-USER-PAYROLL-RECORD	User segment 500
Personnel	ORG-USER-PERSONNEL-INFO-RECORD	User segment 186
	EMP-USER-PERSONNEL-1-RECORD	User segment 800
	EMP-USER-PERSONNEL-2-RECORD	User segment 801

Logical Record Components

System	Key Area	User data Area
Payroll	37 bytes	4 items of 64 bytes and 1 item of 48 bytes Total: 304 bytes
Personnel	37 bytes	4 items of 63 bytes and 1 item of 52 bytes Total: 304 bytes

Reporting Options

In this section, each of the three options for reporting data from the user segments is described. An example is provided for each option, as well as step-by-step instructions.

Option 1

Define and Manipulate Data Within the Report Request

Description. Defining and manipulating data within the report series allows you to use the I.E. HCM:E system as delivered. This procedure is easy to implement if you know the starting point and length of each item in a user segment.

Process. To implement this option, follow these steps:

Step	Action
1	Establish work statements. `WORK EMP-USER-DATE-C (8A)` `WORK EMP-USER-NAME-C (30A)`
2	Use the substring feature of the ASSIGN command. The first piece of user data from EMP-USER-PAYROLL-RECORD is EMP-USER-PAYROLL-DATA-1 which is 64 bytes long. Since you are only interested in the first field, which is the first 8 bytes, and the second field, which is 30 bytes long, you will assign only the needed data from EMP-USER-PAYROLL-DATA-1 to your work fields by using the following statements: `EMP-USER-DATE-C = EMP-USER-PAYROLL-DATA-1 (1 8)` `EMP-USER-NAME-C = EMP-USER-PAYROLL-DATA-1 (9 30)`

Throughout the rest of your report, it is only necessary to refer to EMP-USER-DATE-C and EMP-USER-NAME-C as opposed to EMP-USER-PAYROLL-DATA-1.

The advantage of using this option is that all data is defined within the report series. Consequently, you don't have to update the dictionary or modify the logical interface module (LIM). However, the number of items and frequency of use should determine whether this option is desirable. If not, you should consider Option 2 and/or Option 3.

Example. You know that the first field in your user data area is a date and the second field is a name. The information is in EMP-USER-PAYROLL-RECORD, which represents the 500 segment. You've decided to call your date field EMP-USER-DATE-C and the name field EMP-USER-NAME-C. You may define and determine your data within the report series without updating the dictionary or modifying the logical interface module (LIM). To accomplish this, you need to define work statements and use the substring feature of the ASSIGN command.

Option 2

Update the Data Dictionary with User Fields But Do Not Modify the Logical Interface Module (LIM)

Description. Since this option adds user fields directly to the Data Dictionary, you eliminate the need for work statements and substring manipulation.

Process. To implement this option, follow these steps:

Step	Action
1	Determine unique data names for each user field on a user segment. We recommend using '-C' as a suffix to any data field you add to the Data Dictionary.
2	The system administrator should add the new user fields to the Data Dictionary. See the *Expert Data Dictionary Guide*, Dictionary Commands section.
3	Determine the name of the affected logical record and replace that record so that it contains the new user fields added to the Data Dictionary. Refer to the table in the introduction of this section for the possible logical record names and the associated segments.

Example. Suppose you are adding items to the dictionary that currently resides on the 500 segment. The items you add are EMP-USER-DATE-C and EMP-USER-NAME-C. The logical record affected is EMP-USER-PAYROLL-RECORD. Currently, this is EMP-USER-PAYROLL-RECORD:

```
EMP-USER-PAYROLL-RECORD
 EMP-RECORD-KEY
  FILLER
  EMP-LEVEL-1
  EMP-LEVEL-2
  FILLER
  EMP-NUMBER
  EMP-MULTIPLE-RECORD-CODE
  FILLER
  HR-EMP-MASTER-RECORD-ID
 EMP-USER-PAYROLL-DATA-1
 EMP-USER-PAYROLL-DATA-2
 EMP-USER-PAYROLL-DATA-3
 EMP-USER-PAYROLL-DATA-4
 EMP-USER-PAYROLL-DATA-5
```

Replace the record with this:

```
EMP-USER-PAYROLL-RECORD
 EMP-RECORD-KEY
  FILLER
  EMP-LEVEL-1
  EMP-LEVEL-2
  FILLER
  EMP-NUMBER
  EMP-MULTIPLE-RECORD-CODE
  FILLER
  HR-EMP-MASTER-RECORD-ID
 EMP-USER-DATE-C
 EMP-USER-NAME-C
 FILLER
 EMP-USER-PAYROLL-DATA-2
 EMP-USER-PAYROLL-DATA-3
 EMP-USER-PAYROLL-DATA-4
 EMP-USER-PAYROLL-DATA-5
```

Note: Originally the user data consisted of five separate items that add up to 304 characters. You can replace these five items with as many items as necessary, as long as the total length of the new items doesn't exceed 304 characters.

Considerations. Now that your items are on the dictionary, you don't need to define the items with work statements in the report request or use the substring feature of the ASSIGN statement. Reference the items in your report series in the normal way.

This option cuts down the number of statements in your report series. However, this option only woks properly if all your user fields are defined as alphanumeric in your dictionary. If you have numeric data, consider defining it in your dictionary as an alphanumeric item. Since it isn't permissible to assign an alphanumeric item directly to a numeric item, it will be necessary to define a work group containing a numeric item in your dictionary. After you INCLUDE the work group in your report request, you can then assign the alphanumeric item to the work group. Subsequently, the numeric item contained in that group may be referenced for numeric computation throughout your report request. If this option isn't desirable, then consider Option 3.

Option 3

Update the Data Dictionary With the User Fields and Modify the Logical Interface Module (LIM)

Description. This option is really a continuation of Option 2.

Process. Follow steps 1 and 2 in Option 2. Then you must update the logical interface module (LIM) as described in this section.

- The LIM contains two important copybooks. The first, PCSPM1, is necessary during the reading of the Employee Master File. PCSPM1 contains the layout of each physical segment on the Employee Master File. The second copybook, PCSLM1, is used to format the logical records. The output of the LIM is the logical records passed to Information Expert. The LIM contains a move from the user segment definition in PCSPM1 to the associated user logical record in PCSLM1. Therefore, it is essential that both the segment definition and the logical record are equivalent.

This table maps the two copybooks through the associated segment.

Physical Segment Definition (PCSPM1)	Segment	Logical Record Definition (PCSLM1)
P-ORG-USER-PAYROLL-INFO-RECORD	110	ORG-USER-PAYROLL-INFO-RECORD
P-EMP-USER-PAYROLL-RECORD	500	EMP-USER-PAYROLL-RECORD
P-ORG-USER-PERSONNEL-INFO-RECORD	186	ORG-USER-PERSONNEL-INFO-RECORD
P-EMP-USER-PERSONNEL-1-RECORD	800	EMP-USER-PERSONNEL-1-RECORD
P-EMP-USER-PERSONNEL-2-RECORD	801	EMP-USER-PERSONNEL-2-RECORD

The LIM moves the data from the left column definitions to the right column definitions.

Example. Option 1 discussed the idea of reporting on two user data areas on the physical 500 segment. The table for Option 3 indicates the physical and logical definitions you must change. In this example, the physical definition is P-EMP-USER-PAYROLL-RECORD; the logical definition is EMP-USER-PAYROLL-RECORD. Assuming you have already updated the Data Dictionary as described in Option 2, you can now update the two LIM copybooks, PCSPM1 and PCSLM1. When the system is delivered, the physical representation of the 500 segment in PCSPM1 is identical to the following COBOL working storage source for a total of 304 bytes:

```
16 P-EMP-USER-PAYROLL-DATA-1.
20 P-EMP-USER-PAYROLL-DATA-1  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-2  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-3  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-4  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-5  PIC  X(48).
```

As the system is delivered, the associated logical record in PCSLM1 is represented by the following COBOL working storage source for a total of 304 bytes:

```
16 EMP-USER-PAYROLL-DATA-1.
20 EMP-USER-PAYROLL-DATA-1    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-2    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-3    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-4    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-5    PIC  X(48).
```

To update the LIM with the two new user data areas, simply make equivalent changes to both working storage areas. In this example, the new P-EMP-USER-PAYROLL-RECORD in PCSPM1 is as follows for a total of 304 bytes:

```
16 P-EMP-USER-PAYROLL-RECORD.
20 P-EMP-USER-DATE-C          PIC  X(8).
20 P-EMP-USER-NAME-C          PIC  X(30).
20 FILLER                     PIC  X(26)
20 P-EMP-USER-PAYROLL-DATA-2  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-3  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-4  PIC  X(64).
20 P-EMP-USER-PAYROLL-DATA-5  PIC  X(48).
```

The updated EMP-USER-PAYROLL-USER-RECORD in PCSLM1 is as follows for a total of 304 bytes:

```
16 EMP-USER-PAYROLL-RECORD.
20 EMP-USER-DATE-C            PIC  X(8).
20 EMP-USER-NAME-C            PIC  X(30).
20 FILLER                     PIC  X(26)
20 EMP-USER-PAYROLL-DATA-2    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-3    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-4    PIC  X(64).
20 EMP-USER-PAYROLL-DATA-5    PIC  X(48).
```

As a reminder, the **-C** is a suffix for any data fields you add to the Data Dictionary. The example shows adding alphanumeric data fields. You are free to add numeric fields to both the I.E. Data Dictionary and the LIM. Each time you update the LIM, you must recompile and relink the LIM.

LIM Efficiency - IE Considerations

IE Report Series Statements

If you have several level 1-level 2s or DOEs, and you only need to process only a portion of them, skip-sequential processing enables I.E. to run more efficiently because it allows you to process a portion of your level 1-level 2s or DOEs. You may use a RUN-TIME SELECT to improve Logical Interface Module (LIM) efficiency if you intend to report on particular organizations (level 1-level 2) or DOEs, because it allows for skip-sequential processing.

RUN statements may be entered in the I.E. Online Support Facility under Job Preparation and Submission (JS), RUN-TIME Options (RT). Using a RUN-TIME SELECT is a simple two-step process:

Step	Action
1	Add one statement to the COMMON SECTION of your report series. To select organizations and/or DOEs: RUN-TIME SELECT EMP-CONTROL-LEVELS-1-2-GROUP AND EMP-DOE-CODE To select organizations only: RUN-TIME SELECT EMP-CONTROL-LEVELS-1-2-GROUP To select DOEs only: RUN-TIME SELECT EMP-DOE-CODE
2	Use a RUN statement to specify the desired organizations and/or DOEs: ▪ To select organizations and DOEs: RUN report-series-name SELECT EMP-CONTROL-LEVELS-1-2-GROUP 'L1L2' EMP-DOE-CODE 'xx' ▪ To select organizations only: RUN report-series-name SELECT EMP-DOE-CONTROL-LEVELS-1-2-GROUP 'L1L2' ▪ To select DOEs only: RUN report-series-name SELECT EMP-DOE-CODE '*xx*'

Where **L1L2** is the desired organization and ***xx*** is the desired DOE. To process multiples or ranges of organizations and DOEs, see your *Expert Language Reference Guide*, Reporting Commands Section on using RUN-TIME SELECTS.

A RUN-TIME SELECT of organizations for LIM efficiency is available when using one of the following HCM:E delivered dataframes as the primary dataframe:

HRBASIC
HRCANTAX
HRCTRLS
HRDOES
HREMP
HREMPBEN
HREMPHRE
HREMPLR
MREMPPLN
HREMPREL
HRPERS
HRPNODOE
HRPRBASC
HRPYRL
HRSALARY
HRUSTAX

A RUN-TIME SELECT of DOEs for LIM efficiency is available when using on of the following HCM:E delivered dataframes as the primary dataframe:

HRCANTAX
HRDOES
HREMP
HREMPBEN
HREMPLR
HRPYRL
HRUSTAX

If you add user-defined dataframes and you want to allow for RUN-TIME SELECT of level 1-level 2 and/or DOEs, the following items must be included in your dataframe.

When selecting…	Use…
Organizations	EMP-CONTROL-LEVEL-1-2-GROUP
DOEs	EMP-DOE-CODE

Dataframe Intelligence

If you have added a user-defined dataframe to the I.E. Dictionary, you can increase the efficiency of your dataframe by modifying the HCM:E logical interface module PPS100's dataframe intelligence. Dataframe intelligence is the ability of the LIM to process only the Employee Master File record segments needed by the dataframe. For example, only payroll segments are processed for dataframe HRPYRL, not personnel segments. If you create your own Employee Master File dataframe, you should add dataframe intelligence to the LIM. If dataframe intelligence is not defined, the LIM will process all Employee Master File segments, thus increasing run times. Dataframe intelligence uses two tables to process logical records for a dataframe. These tables are discussed below; only one of them will require modification. The tables reside in copybook PCS100.

These tables are used for maintaining dataframe intelligence.

- Logical Record ID Table
  PCS100-MASTER-LOGICAL-REC-SWS has a switch for each logical record produced by the LIM. This table does not require modification.
- Dataframe Name Table
  PCS100-DATA-VIEW-NAME-TABLE requires modification. It consists of:
  - One dataframe name field
  - Ninety fields containing a logical record ID table occurrence number.

Steps

Two steps are necessary to update PCS100-DATA-VIEW-NAME-TABLE.

Step	Action
1	Increase the number of occurrences in PCS100-DATA-VIEW-TABLE-RED by one for each of your user-defined HCM:E dataframes.
2	Add the new dataframe name and ninety logical record switches to PCS100-DATA-VIEW-NAME-TABLE. Using an I.E. LISTFD, you will need to turn on the proper logical record ID occurrence numbers. Each HCM:E logical record can be identified by a specific HR-EMP-MASTER-RECORD-ID. Use the following chart to help you determine which occurrence numbers need to be inserted into PCS100-DATA-VIEW-NAME-TABLE.

Record ID Occurrence Chart

HR-EMP-MASTER RECORD-ID	RECORD ID OCCURRENCE		HR-EMP-MASTER RECORD-ID	RECORD ID OCCURRENCE
M1A10A	1		M2A10A	41
M1A20A	2		M2A20A	42
M1A30A	3		M2A30A	43
M1B10A	4		M2A40A	44
M1B20A	5		M2A50A	45
M1B30A	6		M2A60A	46
M1B40A	7		M2A70A	47
M1C10A	8		M2A70A	54
M1C20A	9		M2A80A	48
M1D10A	11		M2A80A	55
M1D20C	13		M2A90C	50
M1D20U	12		M2A90C	57
M1D30A	14		M2A90U	49
M1D40C	16		M2A90U	56
M1D40U	15		M2B10A	51
M1E10C	17		M2B10A	58
M1G10A	19		M2B20C	53
M1H10A	20		M2B20C	60
M1L10A	25		M2B20U	52
M1M10A	30		M2B20U	59
M1M20A	31		M2F10A	61
M1N10A	32		M2G10A	62
M1O10A	29		M2G10B	63
M1P10A	26		M2H10A	64
M2H20C	66		M6G10A	87
M2H20U	65		M6H10A	88
M3A10C	68		M6H20A	89
M3A10U	67		M6I10A	97
M3A20C	69		M6I20A	98
M3A20U	70		M6J10A	90
M3A30C	71		M6J20A	91
M3A40C	72		M6J30A	92

HR-EMP-MASTER RECORD-ID	RECORD ID OCCURRENCE		HR-EMP-MASTER RECORD-ID	RECORD ID OCCURRENCE
M3A50C	73		M6J40A	93
M3A60U	122		M6J50A	94
M3A70U	123		M6J60A	95
M4A10C	74		M6J70A	96
M4A20C	75		M6K10A	111
M4A30C	76		M6K20A	112
M5A10A	77		M6K30A	113
M6A10A	78		M6K40A	114
M6B10A	79		M6K50A	115
M6B20A	80		M6K60A	116
M6C10A	81		M6L10A	117
M6C20A	82		M6L20A	118
M6C30A	83		M6M10A	119
M6C40A	107		M6N10A	120
M6C50A	108		M6O10A	110
M6C60A	109		M6Q10C	121
M6D10A	84		M7A10A	101
M6E10A	85		M7A20A	102
M6F10A	86		M7B10A	103
M7C10A	104		M9A20A	28
M7D10A	105		TPI30A	37
M7E10A	106		TPI40A	38
M8A10A	99		TPI50A	39
M8B10A	100		TPI60A	40
M9A10A	27			

Example. You are adding a HCM:E dataframe to the I.E. dictionary. The dataframe name is HRNEW and it contains three logical records: ORG-COMMON-INFORMATION-REC, ORG-ADDRESS-RECORD, AND EMP-COMMON-INFORMATION-REC.

Step	Action
1	Increase the following OCCURS in PCS100 on line 137205 by one: `---1----+----2----+----3----+----4----+----5----+----6----+----7----` `137195      12  PCS100-DATA-VIEW-TABLE-RED REDEFINES` `137200          PCS100-DATA-VIEW-NAME-TABLE.` `137205          16  PCS100-NAME-TABLE   OCCURS  4 TIMES` `137210                  INDEXED BY PCS100-DATA-VIEW-INDEX.`
2	Use a LISTFD and the Record ID Occurrence Chart to update PCS100-DATA-VIEW-NAME-TABLE. `---1----+----2----+----3----+----4----+----5----+----6----+----7----` `080200     12  PCS100-DATA-VIEW-NAME-TABLE.` `              16  pcs100-hrnew-data-view.` `                  20  pcs100-hrnew-name` `                                  pic x(8)` `                                  value 'hrnew   '.` `                  20  pcs100-hremp-logical-recs.` `                      24  hremp-lr-1      pic x(3)    value '001'.` `                      24  hremp-lr-2      pic x(3)    value '002'.` `                      24  hremp-lr-3      pic x(3)    value '004'.` `                      24  hremp-lr-4      pic x(3)    value '042'.` `                      24  hremp-lr-5      pic x(3)    value '000'.` `                      24  hremp-lr-6      pic x(3)    value '000'.` `                      24  hremp-lr-7      pic x(3)    value '000'.` `                      24  hremp-lr-8      pic x(3)    value '000'.` `083000         16  PCS100-HREMP-DATA-VIEW.` `083100             20  PCS100-HREMP-NAME` `083200                                  PIC X(8)` `083300                                  VALUE 'HREMP   '.` `083400             20  PCS100-HREMP-LOGICAL-RECS.` `083500                 24  HREMP-LR-1      PIC X(3)    VALUE '001'.` `083600                 24  HREMP-LR-2      PIC X(3)    VALUE '007'.`

These excerpts are found in a LISTFD of the dataframe HRNEW in the example:

```
RECORD NAME - ORG-COMMON-INFORMATION-REC (LEVEL = EMP-LEVEL-2)
IDENTIFIED BY HR-EMP-MASTER-RECORD-ID EQ 'M1A10A'
KEY IS '    ' EMP-LEVEL-1 EMP-LEVEL-2 '00000000000000000000' 'M1A10A'
RECORD NAME - ORG-ADDRESS-RECORD (LEVEL = EMP-MULTIPLE-RECORD-CODE)
IDENTIFIED BY HR-EMP-MASTER-RECORD-ID EQ 'M2A10A'
KEY IS '    ' EMP-LEVEL-1 EMP-LEVEL-2 '00000000000000000000' 'M1A20A'
RECORD NAME - EMP-COMMON-INFORMATION-REC (LEVEL = EMP-MULTIPLE-RECORD-
CODE)
IDENTIFIED BY HR-EMP-MASTER-RECORD-ID EQ 'M2A10A'
KEY IS '     ' EMP-LEVEL-1 EMP-LEVEL-2 '0' EMP-NUMBER EMP-MULTIPLE-
RECORD-CODE
'0000000000' 'M2A10A'
```

The record IDs in the IDENTIFIED BY clauses in the second line of each of the three excerpts were used to look up the RECORD ID OCCURRENCE number in the RECORD ID OCCURRENCE chart on the preceding pages. (For example, the record ID for the record named ORG- ADDRESS-RECORD is 'M1A20A'. 'M1A20A' was found in the HR-EMP-MASTER RECORD-ID column.) Next, the RECORD ID OCCURRENCE numbers found next to the specific record IDs were added as the values for HRNEW-LR-1, HRNEW-LR-2, …in PCS100-HRNEW-LOGICAL-RECS in PCS100-DATA-VIEW-NAME-TABLE.

For example, the RECORD ID OCCURRENCE number for record M2A10A, the third record in the dataframe HRNEW, is **041** (**041** was added as the value for HRNEW-LR-4).

Reducing Run Times

Random vs. Sequential Files

You can reduce run times by using a sequential versus a random Employee Master File according to the characteristics of your report series.

- Since sequential processing reads each record from the beginning of the file, use a sequential Employee Master File if the report series:
  - Does not contain a RUN-TIME SELECT for EMP-CONTROL-LEVELS-1-2-GROUP (L1 L2)
  - Selects the majority of the level 1-level 2s in a RUN-TIME SELECT
  - Contains a L1 L2 RUN-TIME SELECT and all of the level 1-level 2s are at the beginning of the Employee Master File.
- Use a random Employee Master File if the report series:
  - Contains a RUN-TIME SELECT for EMP-CONTROL-LEVELS-1-2-GROUP and all level –level 2s in the SELECT appear at or near the end of the Employee Master File or they are scattered throughout the file.

Because these are general guidelines, it may be worthwhile to run tests using a sequential and random Employee Master File as input.

Report Series Tuning

Here are some suggestions for writing report series that can result in more efficient execution of I.E.

- Move calculations, assignments, RELATEs, SELECTs, and EXCLUDEs that affect all reports into the COMMON SECTION of the report series.
- Code the ORDER BY command only when the order needed in the report is different from the natural sequence (ORGANIZED BY) of the dataframe.
- Enclose RELATEs within WHEN CHANGE commands to reduce the number of times the RELATE will execute.
- Combine common reports into one report series.
- Use as few PRINT commands as possible.
- Use case logic (WHEN… IS…) instead of stacked IFs.
- Create a dataframe to include only the necessary records and implement dataframe intelligence.

VSAM Tuning

If you are using a VSAM file with I.E., you can significantly reduce run times using the following fine tuning techniques for buffer allocation.

For MVS

Use the BUFNI and BUFND options of the AMP parameter on the DD statement to specify buffer space. BUFSP on the DD or the BUFFER-SPACE parameter used in the file definition is not recommended. Using BUFNI and BUFND lets you control how VSAM allocates the buffer space between the index and data.

- BUFNI
  - For random access, the most frequently accessed portion of the file is the index set. Allocate enough buffers to keep all or part of the index set in memory. This will reduce the required I/Os.
  - For sequential access, VSAM reads the first sequence set and reads the file by using pointers to the next sequence set without using the index set. Therefore, the index is not used and its buffer allocation can be left at the default of 1.
- BUFND
  - For random access – since the desired CI is rarely in memory, it is best to leave the buffer allocation for the data portion at the default of 2.
  - For sequential access – by allocating additional buffers, VSAM can perform READ-AHEAD and transfer additional CIs into storage. Increasing the buffer allocation for the data portion can significantly reduce I/Os.

For VSE

Because JCL does not provide the capability to specify the index and data portions separately, use the BUFSP parm on the DLBL. To compute the value, use:

BUFSP = (Index CI size x BUFNI) + (Data CI size x BUFND)

Processing Load and User Transactions Load (PLP200)

The HCM:E Load program (PLP200) was modified with Release HR01.15 to process transactions in a 120-character format. To better accommodate those customers who may be required to continue the use of 80-character transactions, Load was further modified to allow for translation of 80-character transactions to 120-character transactions.

Expansion from 80 to 120 characters

Expansion of 80-character transactions into 120-character transactions is a generic table-driven process performed by the Transaction Load (PLP200) program. During PLP200 processing, optional 80-character input is expanded into the 120-character format and all subsequent processing (Validate, Update, and so on) is performed using the 120-character definition.

The HCM:E source base will provide translation table entries needed to expand standard HCM:E defined 80-character transactions into the expanded 120-character transactions. This includes all Yx, ZT, ZU and ZV transactions, where the size of the individual fields varies from the 80- to 120-character versions. Expansion of transactions where only the maintenance code is moved from column 80 to column 120 will not be included in this translation table. The movement of that maintenance code will be controlled by the Valid Transaction table. This is another table included in the source base.

Besides the translations provided in the source base, users can define their own 80-character transactions and provide the translation tables entries needed to convert them into HCM:E standard 12-character transactions. These translation table entries are established in an 80-character PDS member or file, no code is involved. User-defined transactions are merged with standard input after translation and are transparent to HCM:M after PLP200 processing. For details about setting up user-defined transactions, see the User Transaction Definitions section of this chapter.

PLP200 Input Options

Transaction input options will be provided to PLP200 by a single, required IC (Input Control) transaction. This transaction must always be the first transaction and must always be entered through the PWP02S file. The Type Input field in column 20 of the IC transaction will exercise this control. No 120-character version of this transaction is provided.

Input Control Option	Definition	Description
C	80-character input only	File PWP02S will be the only transaction input. This may include both standard and user-defined transactions.
T	120-character input only	Only the IC card will be read from the PWP02S file. All input will reside in the PWP09S file.
B	Both 80- and 120-character input	File PWP02S with standard and/or user defined transactions plus File PWP09S will contain input for PLP200 processing.

See the *Transaction Descriptions* guide for detailed information about the IC card.

PLP200 Input File Options

- PWP02S - Required for IC card input. Optionally may contain HCM:E standard 80-character transactions or user-defined 80-character transactions, or both.
- PWP09S - Optionally may contain HCM:E standard 120-character transactions.
- PWP08S - Optionally may contain User Transaction Tables.
- PWP06S - Optionally may contain Level 1, Level 2s for creation of multiple AAs, ABs, and so on.
- PWP04S - Optionally may contain correction transactions.
- PWP07S - Optionally may contain previously created Loaded Transaction file, to be corrected.

PLP200 Processing Summary

The following basic functions take place within PLP200:

- The Internal Translation Table is built by sorting the translation entries in copybook PCP2XL and the user-defined translation entries in file PWP08S. If translation entries are present in both the copybook and PWP08S, the user-defined entries will replace those in copybook PCP2XL. Only one 80-character translation of any transaction can be processed in a single run of PLP200. For example, if you are defining an old version of the ZT transaction in the user-defined translation entries, all 80-character ZTs entered for that processing must be in that format. You could also include 120-character ZTs as input to the PWP09S file. (Note: There are detailed notes in the code explaining the layout of each of the above mentioned copybooks.)

- The 80-character input transactions are read and expanded per the Internal Translation Table. See the Translation Process section for details on how translation is accomplished.

- After all transactions have been expanded, all are validated against the Valid Transaction table in copybook PCP2XP. This copybook contains all valid HCM:E transactions. It is also used to expand transactions whose only difference between the 80- and 120-character versions is the location of the maintenance code.

- A detail and summary report of all transactions entered is generated. These reports reflect transactions after translation. For example, a ZU transaction will not appear on these reports as it is translated to a ZT transaction. The only exception to this is if you opt to print the before and after images of translated transactions on the IC card. You will then see both the ZU and the translated ZT in the Input Transaction Listing.

- All other functions that existed in PLP200 before HR01.15, i.e., Recycle processing, generation of AAs, etc. will process as before.

Translation Process

Determining Translatable Input

After the Internal Translation Table is built as defined above, for each 80-character input record, the Load program attempts to find the first matching **Transaction ID** in the Translation Table. Transaction ID is defined as the 2-character code unique to that transaction (Example, NA transaction). If a matching Transaction ID is found in the table, then **Transaction Separator Codes** are tested. Transaction Separator Codes are defined as any character used in conjunction with the Transaction ID to further define this transaction (Example, ND1 and ND2 transactions). These separator codes must be located in columns 17, 24, 77, 78, 79 or 80 of the input transaction. If no Transaction Separator Codes match, then the next table entry is examined. This cycle is repeated until a matching Transaction ID/Separator Code combination is found or until all Translation Table entries for Transaction ID are exhausted.

Matching Entry

If a matching ID/Separator Code combination is found, the input transaction is moved to output positions 1-80. Output positions 81-120 are set to blanks. Then for each Internal Translation Table entry in the Transaction ID/Separator Code set, characters identified by the output position/length are overwritten according to the translation specifications. (See the section on Defining User Translation Tables for details on translation specifications. These same specifications were used in defining the HCM:E standard translations.) After the translation has taken place, the output record is released for further processing by Load.

No Matching Entry

If no matching entry is found for the Transaction ID/Separator Code combination, the input transaction is moved to output positions 1-80, as is. Then, output positions 81-120 are set to blanks and the output record is released for further processing by Load.

Determining Valid Input Transactions

Next, the output is checked for validity against the list of HCM:E Valid Transaction ID/Separator Codes as defined in copybook PCP2XP. If the transaction is valid, it will be written to the Loaded Transaction File. Those transactions requiring movement of a maintenance code as defined in the copybook will be written to the Loaded Transaction File with the code moved. The transaction will be rejected by Load if there is no match in the Valid Transactions list.

User Transaction Definitions

The HCM:E system allows a user to define any 80-character input transaction easily to the system and have it translated to an HCM:E 120-character transaction in the processing of PLP200. Use the following instructions for establishing the Translation Table entries. This Translation Table is used as input to the 80-character PWP08S file in PLP200. No code changes are necessary.

This feature can also be used to define HCM:E transactions that are not in the current format to be translated to the current format. For instance, if you are generating ZTs from an outside time-keeping system and a new release of HCM:E changes the format of the ZT, chances are you will be able to use this feature to translate that old format into the new format until you are able to make the necessary coding changes to your front-end system. The system can, in one processing pass, accept one format of an 80-character transaction plus the 120-character version. So, in the preceding scenario, you could gradually phase in multiple remote sites. Those with revised code could submit the 120-character ZT transactions and those not yet converted could continue to submit the older version of the ZT. This can be accomplished by simply creating Translation Table entries.

Creating Translation Table Entries

Translation Table Entries are 80-column IT transactions input to PLP200 in file PWP08S. This table shows the layouts for the transactions:

Position	Length	Attribute	Description	Comment
1-2	2	A/N	Transaction Code	**IT**
3-4	2	A/N	Transaction ID*	Located in column 1 and 2 of the user transaction.
5-10	6	A/N	Transaction Separator Code*	Located in any of columns 17, 24, 77, 78, 79 or 80 of the user transaction.
11-13	3	N	Output field starting position	001-120
14-16	3	N	Output field length	001-120
17-18	2	N	Input field starting position	01-80
19-20	2	N	Input field length	01-80
21	1	A	Field Justify*	R = Right Justify L = Left justify Blank = No justification
22	1	A/N	Fill Character*	Usually zero or space
23	1	A/N	Reset Character*	The HCM:E defined character for resetting this field

*More information about this field follows.

Transaction ID

The Transaction ID of the user-defined input transaction must be in columns 1 and 2.

Transaction Separator Code

If a Transaction Separator Code is used to define a user transaction further, that code must be in one or more of these positions in the user transactions: 17, 24, 77, 78, 79, and 80 . Positions 5-10 of the IT transaction correspond to characters 17, 24, 77, 78, 79, and 80 of the user-defined input transaction. Characters from these input positions are compared with Translation Table values left to right and top to bottom to determine whether a transaction matches an entry in the table according to these rules:

Comparison Character	Matching Criteria
Blank	Input Position is ignored for matching
A to Z, 0 to 9	Transaction Separator must match only the specified character
*(asterisk)	Transaction Separator match only an *
_(underscore)	Transaction Separator must match only a blank

Field Justify

Field justification applies only to those fields where the Output Field Length is greater than the Input Field Length. Values in the output field are aligned left to right depending on the justify code (L or R). The field is then padded with as many characters as needed to fill the output field. The character used to pad the field is determined by the Fill Character field.

Fill Character

Used with the Field Justify to supply the character for padding the field (usually zero with right justification and blank with left justification). However, this field is also used to plug static data into a column; for example, the HCM:E Transaction ID in columns 1 and 2 of the output transactions. Each column is handled independently by defining an input starting position and field length of zero and an output starting position and field length of 1 with the correct fill character for column 1 (such as N or R).

Reset Character

If a reset code is specified and it is equal to the character in the input position, that character is moved to the output position. The output field is padded on the right with as many spaces as is needed to complete the output length and no additional editing is performed. For example, if a user-defined transaction is translated to an HCM:E **RA** transaction, the user would be able to enter an R to reset Hourly Rate to zero even though, the rate field would be defined as Right Justify, zero fill. When the Fill character of R is detected in the input, all justification and fill characters are ignored.

Other Hints

- If the PWP08S file contains a definition for a standard HCM:E 80-character transaction, the user translation overrides the delivered translation in copybook PCP2XL.
- User-defined input must adhere to the same rules used in identification of HCM:E defined input in that all Transaction Identifier codes must reside in columns 1 and 2 and Transaction Separator codes must reside in one or more of columns 17, 24, 77, 78, 79 and 80.
- The output defined in the User Translation Table must be a valid HCM:E transaction.
- All 120 characters of the output transaction must be defined in the User Translation Table. If there is no corresponding input on the user transaction, the Input Field Starting Position and Input Field length should be 00.
- The output transaction will be checked using the HCM:E defined Valid Transaction list defined in copybook PCP2XP.
- The input user-defined transactions will not be reflected in the Load reports unless the option to print before and after expansion versions of the transactions is selected in the IC card.

Field Translation Example

The following table describes a (sample) user-defined EM (employee maintenance) transaction containing city, state, and ZIP code data as indicated by the A2 code in positions 77 and 78. Position 17 will contain either N for new employee additions or a C for changes to employee records.

Table entries 1 through 8 reformat user-defined EM-C-A2 records (change employee city, state and ZIP code transactions into HCM:E-defined transactions).

Table entries 9 through 15 reformat user-defined EM-N-A2 (new employee city, state and ZIP code) transactions into HCM:E-defined NC-2 transactions.

	Record Identification Codes 1 2 7 7 7 8 7 4 7 8 9 0								HCM:E-defined Output		User-defined Input		Translation Codes		
Column															
	1-2	**3-4**	**5**	**6**	**7**	**8**	**9**	**10**	**111 123**	**111 456**	**11 78**	**12 90**	**21**	**22**	**23**
Table			***1***	***2***	***7***	***7***	***7***	***8***							
Entry	**1-2**	***3-4***	***7***	***4***	***7***	***8***	***9***	***0***	**Start**	**Length**	**Start**	**Length**	**Justify**	**Fill**	**Reset**
1	IT	EM	C		A	2			001	001	00	00		R	
2	IT	EM	C		A	2			002	001	00	00		C	
3	IT	EM	C		A	2			003	004	72	03	R	A	
4	IT	EM	C		A	2			007	010	16	05	R		
5	IT	EM	C		A	2			017	001	00	00	R	2	
6	IT	EM	C		A	2			018	023	21	25	L		R
7	IT	EM	C		A	2			041	002	45	02			
8	IT	EM	C		A	2			043	005	47	05			
9	IT	EM	C		A	2			048	004	52	04			
10	IT	EM	N		A	2			049	072	00	00			

EM-C-A2 (Employee Maintenance, Change Employees, Address Line-2) entries

Table line	Explanation	
1	Forces "R" into the first character of the "RC-2" output transaction ID.	
2	Forces "C" into the second character of the "RC-2" output transaction ID.	
3	Copies input positions 72-74 into output positions 4-6 and forces an "A" into output position 3 (Level-1/Level-2 - if input is "1B2" output will be "A1B2".	
4	Copies input positions 16-20 to output positions 07-16; right-justified and blank filled (Employee Number)	
5	Forces 2 into output position 17 of the RC-2 output transaction ID.	
6	**If…**	**Then..**
	Input positions 21 contains **R**	Output position 18 will be set to **R** and output positions 19-40 will be set to blank.
	Input positions 21 does not contain **R**	Input positions 21-42 will be moved to output positions 18-40 (City Name).
7	Move positions 45-46 to output positions 41-42 (State Code).	
8	Move positions 47-51 to output positions 43-47 (ZIP Code).	
9	Move positions 52-55 to output positions 48-51 (ZIP Extension).	
10	Move spaces to positions 49-120.	

9 Program Narratives

Chapter Contents

9-1 HCM:E Central System
9-45 I.E. Logical Interface Modules
9-50 Online Programs
9-55 Realtime Employee Master File
9-71 Realtime Tables File - Common COBOL Programs
9-103 Realtime Tables File - Common Assembler Programs

HCM:E Central System

[M] LPABRT - ABORT ROUTINE

Displays abort message and stops execution.

[M] LPSPOL - SPOOL

Writes a report distribution header and trailer record when the report distribution key changes. Writes only the print line when no key change occurs.

[M] LPWRT7 - REPORT PRINT

Controls the opening, closing, and writing of print files.

[J] MM4431 - POSITION HEADER DESCRIPTION MODULE

Processes the Position Control Position Header Description Report records (report code 31) and prints the Position Header Description.

[J] MM4433 - POSITION HEADER NARRATIVE MODULE

Processes the Position Control Position Header Narrative Report records (report code 32) and prints the Position Header Narrative.

[J] MM4433 - POSITION DETAIL DESCRIPTION MODULE

Processes the Position Control Position Detail Description records (report code 33) and prints the Position Detail Description.

[J] MM4434 - POSITION STATUS REPORT

Processes the Position Control Position Status Report records (report code 34) and prints the Position Status Report.

[J] MM4435 - SALARY SPECIFICATION STATEMENT MODULE

Processes the Position Control Salary Specification Statement Report records (report code 35) and prints the Salary Specification Statement.

[J] MM4436 - WAGE AND SALARY REPORT MODULE

Processes the Position Control Wage and Salary Report records (report code 36) and prints the Wage and Salary Report.

[0] MPCDDK - CARD TO DISK

VSE utility card to disk - 80 to 80.

[J] MPP000 - MASTER CONTROL MODULE

Controls the execution of the Position Control Random Update Module, Sequential Up-date Module, and Report File Generator. Determines the modules to be executed based on a control transaction.

[J] MPP50R - RANDOM UPDATE MODULE

Updates the Position Control Master File randomly. Builds new master records for organization headers, position headers, and position detail, but does not delete records.

[J] MPP50S - SEQUENTIAL UPDATE MODULE

Updates the Position Control Master File sequentially. Builds new master records for organization headers, position headers, and position detail. Deletes position detail, position header, and organization header records.

[T] MPT900 - LOST TIME, HEALTH AND SAFETY MASTER FILE CONVERSION PROGRAM

[J] MR50R1 - POSITION MASTER FILE RANDOM I/O MODULE

Reads or writes the Position Control Master File randomly.

[J] MR5001 - I/O READ MODULE

Sequentially reads an 80-character Position Control record.

[J] MR5020 - REPORT FILE GENERATOR

Generates all the report records required to produce the Position Control Module standard reports.

[J] MR5101 - I/O READ MODULE

Sequentially reads a 120-character record.

[J] MR6000 - REPORT WRITER ROOT SEGMENT

Main control program for the Position Control reporting series. Calls separate programs to read the report file, read and process the print control transactions, format and print the standard reports (report program modules), and print an error listing and a process summary.

[J] MR6010 - REPORTING SERIES - CONTROL TRANSACTIONS

Initializes work areas and processes the Position Control PW-B control transactions, building a report print table.

[J] MR6020 - REPORTING SERIES - PROCESS SUMMARY

Controls the printing of a process summary and an error listing if any errors occur during processing of the Position Control report records.

[J] MR6030 - REPORTING SERIES - REPORT RECORD READ

Controls the reading of the Position Control report record file.

[J] MW5001 - I/O WRITE MODULE

Sequentially writes a 328-character Position Control record to a tape or disk file.

[P] PM5501 - LABOR DISTRIBUTION - PROCESS END OF JOB

Performs end-of-job processing for PP5500 and displays error messages set by any of the Labor Distribution processing modules.

[P] PM5510 - LABOR DISTRIBUTION - CONTROL INPUT PROCESS

Controls the input processing of Labor Distribution transactions.

[P] PM5511 - LABOR DISTRIBUTION - EDIT TRANSACTIONS

Reads and edits the sorted Labor Distribution Input Transactions file (PWL040).

[P] PM5512 - LABOR DISTRIBUTION - SELECT AND REFORMAT UPDATE

Reads the Labor Distribution/GLI Payroll Detail File (PWP190), selecting and reformatting Labor Distribution records, and the Edited Labor Distribution Transactions file (PWL050), creating the Combined Labor Distribution Updates file (PWL070).

[P] PM5513 - LABOR DISTRIBUTION - EDIT SRG TRANSACTIONS

Edits the SRG control transactions (XA through XV).

[P] PM5530 - LABOR DISTRIBUTION - CONTROL MASTER PROCESSING

Controls the reading and writing of the Labor Distribution Master File (PWL010) and the reading of the sorted Combined Labor Distribution Updates (PWL080).

[P] PM5531 - LABOR DISTRIBUTION - VALIDATE AND UPDATE MASTER

Validates transactions from the sorted Combined Labor Distribution Updates file (PWL080) to the Labor Distribution Master File (PWL010) and updates the labor Distribution Master file.

[P] PM5532 - LABOR DISTRIBUTION - CALCULATE ACCRUALS

Calculates accrual amounts on current period transactions.

[P] PM5533 - LABOR DISTRIBUTION - GENERATE STANDARD REPORTS

Calculates accrual amounts on current period transactions.

[P] PM5533 - LABOR DISTRIBUTION - GENERATE STANDARD REPORTS

Generates report headers, detail, and trailer records for each organization depending on the organization report options indicated in the Employee Master File.

[P] PM5534 - LABOR DISTRIBUTION - GENERATE SRG REPORTS

Creates the Labor Distribution Report Records (PWL120) from the Labor Distribution Master (PWL010) as specified by the Labor Distribution SRG Generate - Control file (PWL140).

[P] PM5540 - LABOR DISTRIBUTION - READ MASTER CONTROL

Controls reading the Labor Distribution Master File (PWL010) header, budget, detail, and trailer segments.

[P] PM5541 - LABOR DISTRIBUTION - WRITE MASTER CONTROL

Controls writing the Labor Distribution Master File (PWL010) header, budget, detail, and trailer segments.

[P] PM5543 - LABOR DISTRIBUTION - GENERATE REPORT FILE TRAILER

Builds file trailer record containing total records written to the Labor Distribution Report Records file (PWL120) and calls the I/O Module (PNL12V) to write the trailer record and close the file.

[P] PM5550 - LABOR DISTRIBUTION - CONTROL REPORT PRINTING

Controls the printing of the Labor Distribution basic reports, budget reports, and SRG reports.

[P] PM5551 - LABOR DISTRIBUTION - PRINT BASIC REPORTS

Prints the Labor Distribution basic reports (PL03W1 through PL03W4) from the sorted Labor Distribution Report Records file (PWL150).

[P] PM5552 - LABOR DISTRIBUTION - PRINT SRG REPORTS

Prints the Labor Distribution SRG reports from the sorted Labor Distribution Report Records file (PWL150) as specified by the Labor Distribution SRG Print Control file (PWL170).

[P] PM5553 - LABOR DISTRIBUTION - PRINT BUDGET REPORTS

Prints the Labor Distribution budget reports (PL03W5 through PL03W8) from the sorted Labor Distribution Report Records file (PWL150).

[C] PPC129 - PAYROLL REPORT GENERATOR - PROCESS CANADIAN EMPLOYER TAX SUMMARY

Creates records for the Canadian Employer Tax Summary.

[C] PPC300 - ROE TRANSACTION LOAD

Reformats and loads ROE transactions.

[C] PPC400 - ROE GENERATOR - MAIN CONTROL

Accesses the edit module and, if appropriate, accesses the ROE generator module.

[C] PPC410 - ROE GENERATOR - EDIT REQUESTS

Edits transactions for the Record of Employment.

[C] PPC420 - ROE GENERATOR - PROCESS REQUESTS

Generator report print records for the Canadian Record of Employment.

[C] PPC719 - PAYROLL COMPUTE - ADD CANADIAN CURRENT

Posts current amounts to Tax Segment accumulators.

[C] PPC720 - PAYROLL COMPUTE - CALCULATE CANADIAN DEDUCTIONS

Calculates EI amounts.

[C] PPC721 - PAYROLL COMPUTE - CALCULATE CANADIAN TAXES

Calculates Canadian taxes.

[C] PPC736 - PAYROLL COMPUTE - CANADIAN INTERFACE TRAILER

Prepares distribution/interface organization records.

[C] PPC737 - PAYROLL COMPUTE - CANADIAN ORGANIZATION HEADER

Prepares organization related tables and values.

[C] PPC900 - RECORD OF EMPLOYMENT HISTORICAL FILE CONVERSION PROGRAM

[P] PPDATE - COMMON DATE ROUTINE MULTI-FUNCTION

- Will return an 8-character system date in the format CCYYMMDD
- Convert a 6-character date (YYMMDD or MMDDYY) to an 8-character date (CCYYMMDD).
- Validate a 6, 8, or 10-character date depending on I/P parameters.

[P] PPE900 - EARNINGS HISTORY MASTER FILE CONVERSION PROGRAM

[P] PPG100 - PAYROLL GLI - TABLE OF ACCOUNTS FILE EDIT AND UPDATE

Creates/updates Table of Accounts file with edited table entries.

[P] PPG200 - PAYROLL GLI - INTERFACE AND ACCRUAL

Creates journal entries from Payroll data and Table of Accounts entries.

[P] PPG300 - PAYROLL GLI - SUMMARIZE, BATCH, AND REPORT

Summarizes and puts the GLI Detail Journal entries into batch.

[P] PPG435 - TRANSACTION VALIDATE - ORGANIZATION GLI OPTIONS

Checks the syntax of transactions containing organization level General ledger Interface options.

[H] PPH400 - HISTORY REPORTS DRIVER

Controls the processing of Life-to-Date History Survey Reports.

[H] PPH410 - REPORT CONTROL LOAD AND EDIT

Edits the Life-to-Date History PM-B and PM-C control transactions and generates additional control transactions to produce the report.

[H] PPH430 - HISTORY REPORT EXTRACT

Extracts Life-to-Date History detail records as requested by the Report Control transactions.

[H] PPH450 - HISTORY REPORT SORT

Sorts the Life-to-Date History Survey Reports.

[H] PPH460 - HISTORY REPORT PRINT

Formats the Life-to-Date History Survey Reports and accumulates reporting totals.

[H] PPH700 - HISTORY UPDATE DRIVER

Controls the modular Life-to-Date History update function.

[H] PPH710 - HISTORY TRANSACTION EDIT

Edits all PM-1 transactions passed to Life-to-Date History by the Personnel system.

[H] PPH720 - HISTORY FIELD IDENTIFIER

Determines which Personnel fields were changed during central system update and which of these are to be saved for Life-to-Date History.

[H] PPH740 - HISTORY DATA SELECT

Extracts data to be saved from the Employee Master and formats Life-to-Date History Update transactions.

[H] PPH750 - HISTORY UPDATE TRANSACTION SORT

Sorts the History update transactions into the sequence of the Life-to-Date History Master.

[H] PPH760 - HISTORY MASTER UPDATE

Performs the update function against the Life-to-Date History Master.

[H] PPH764 - DRIVEN DELETE COMPARE

Determines which Life-to-Date History driven fields are to be deleted.

[H] PPH765 - DRIVEN FIELDS DELETE

Deletes driven Life-to-Date History fields whose driver has been deleted.

[H] PPH900 - LIFE-TO-DATE HISTORY FILE CONVERSION PROGRAM

Root program processing for LTDH master file conversion.

[H] PPH910 - LIFE-TO-DATE HISTORY FILE CONVERSION PROGRAM

This program compares the target software release to the current software release from the tables file AA1/T01001 record and sets error number 03 if different. If any error is encountered in retrieving the HRMS Tables File record then error number is set to 01. The HRMS Tables File is opened, read, and closed in this program.

[H] PPH920 - LIFE-TO-DATE HISTORY FILE CONVERSION ROUTINE

This program converts the format of LTD History master-file records to 1998.xx layout. Date fields and SRG field numbers are reassigned in the key. Field length/format codes are optionally reassigned and the variable data field is reformatted if needed.

[H] PPH940 - LIFE-TO-DATE HISTORY FILE CONVERSION AUDIT REPORT

This program prints the conversion audit report listing each LTDH master file input record and its disposition.

[H] PPH960 - LIFE-TO-DATE HISTORY FILE CONVERSION AUDIT REPORT

This program prints the conversion audit report listing each LTDH master file input record and its disposition.

[J] PPJ000 - POSITION CONTROL MASTER COPY SERVICES

Reads and validates the PS-1 copy services transaction. Loads and unloads the Position Control Master File from a random file to a sequential file or sequential to random.

[J] PPJ01M - SEQEUNTIALLY READ POSITION CONTROL MASTER FILE

Reads the next logical set of records from the Position Control Master File.

[J] PPJ01R - RANDOMLY READ POSITION CONTROL MASTER FILE

Obtains the requested logical record from the Position Control Master File.

[J] PPJ02V - WRITE POSITION CONTROL MASTER SEQUENTIAL BACKUP

Writes a sequential Position Control Master File backup file.

[J] PPJ4J7 - TRANSACTION VALIDATE - PRODUCE POSITION CONTROL MESSAGES

Prepares Position Control transaction, sequence, reject and warning messages.

[J] PPJ4PM - TRANSACTION VALIDATE - POSITION CONTROL TRANSACTIONS

Checks syntax, validates, and generates Position Control input transactions.

[J] PPJ600,PPJ610,PPJ620,PPJ630,PPJ640

[J] PPJ900 - POSITION CONTROL MASTER UTILITY

Reads and validates the PU master utility transaction. Performs one of the five following functions for the Position Control Master File:

- Creates initial master file
- Initializes master fields in existing master file
- Corrects trailer counts
- Prints trailer totals count
- Converts dates to year 2000 format

[J]PPJ950 - POSITION CONTROL MASTER PRINT

Reads and validates the PR1 and PR2 print control transactions. Prints data from the Position Master File based on options selected on the print request control transactions.

[P] PPK900 - CHECK REVERSAL MASTER FILE CONVERSION PROGRAM

Converts pre-Y2K file to field expansion level.

[P] PPK901 - CHECK REVERSAL MASTER FILE CONVERSION PROGRAM

Converts PWK010 from 01.15 level.

[P] PPL900 - LABOR DISTRIBUTION MASTER FILE CONVERSION PROGRAM

[P] PPN900 - CHECK RECONCILIATION MASTER FILE CONVERSION PROGRAM

[0] PPPABT - SYSTEM ABORT

Terminates processing and forces a main memory dump.

[0] PPPAOL - VSE OVERLAY CONTROL

VSE control modules used by all programs having overlays.

[0] PPPASM - GET MAIN FOR INITIAL PROGRAM EXECUTION

Get the main storage necessary to begin the execution of a main application program.

[0] PPPAS1 - GET MAIN DURING PROGRAM EXECUTION

Get the main storage necessary to before entering a called COBOL application program.

[0] PPPATX - TAXING SUBSYSTEM - HRMS TABLES FILE READ

HRMS Tables File read program used by the Taxing Subsystem for the constants records and reference information.

[0] PPPCMA - TRANSACTION VALIDATE - CLEAR MASTER FOR ADD

Sets fields in required Employee Master segments to null values.

[0] PPPCOS - CLEAR OPTIONAL MASTER DATA

Sets fields in optional Employee Master segments to null values.

[0] DOE TABLE

Externalizes the values used to calculate the storage needed for various COBOL application programs for DOE processing.

[0] PPPDOS - VSE OVERLAY CONTROL

Dummy overlay control for T-Links.

[P] PPPENP - EMPLOYEES NOT PAID

Matches transactions to Employee Master and lists time entry required employees with no pay data.

[0] PPPGER - GENERAL EDIT ROUTINE

Edits HRMS Tables File transactions.

[P] PPPMRG - PAYROLL REPORTING DETAIL FILES MERGE

Merges two Payroll Reporting Detail Files to create a single Payroll Reporting Detail File.

[0] PPPNOP - VSE RETURN MODULE

VSE return module used by the Check Writer for users without POWER.

[0] PPPAM - VSE RETURN MODULE

VSE return module used by the Check Writer for users with POWER.

[0] PPPTOF - TOP OF FORM (EXTERNALIZED I/O CONTROL)

Controls the printing of header and detail lines on a report.

[0] PPP000 - EMPLOYEE MASTER FILE COPY SERVICES

Loads and unloads the Employee Master with level 1-level 2 selection capabilities. Also includes options to extract specific organizations and merge the organizations.

[0] PPP200 - TRANSACTION LOAD - MAIN LOGIC

Controls the processing required to prepare system input transactions for subsequent validation and maintenance.

[0] PPP210 - TRANSACTION LOAD - HOUSEKEEPING

Initializes all work areas used by Transaction Load modules.

[0] PPP220 - TRANSACTION LOAD - CORRECTIONS PROCESS CONTROL

Controls processing of correction transactions against the Loaded System Transactions File.

[0] PPP225 - TRANSACTION LOAD - PROCESS CORRECTIONS

Corrects recycled loaded transactions.

[0] PPP230 - TRANSACTION LOAD - NEW PROCESS CONTROL

Controls the processing of new transactions being loaded to the system.

[0] PPP240 - TRANSACTION LOAD - INPUT CONTROL

Controls reading system input transactions.

[0] PPP256 - TRANSACTION LOAD - GENERATE ORGANIZATION TRANSACTIONS

Generates multiple organization run control transactions from a single entered transaction.

[M] PPP258 - TRANSACTION LOAD - PZ TRANSLATE

Generates applicable personnel transactions from Personnel single field update transactions.

[0] PPP270 - TRANSACTION LOAD - OUTPUT CONTROL

Creates the Loaded System Transaction file and writes the Input Transaction Listing.

[0] PPP275 - TRANSACTION LOAD - END OF JOB

Prepares and prints the Input Transaction Summary and closes all files.

[M] PPP4M7 - TRANSACTION VALIDATE - PRODUCE PERSONNEL TRANSACTION MESSAGES

Prepares Personnel transaction warning and error messages.

[0] PPP4P7 - TRANSACTION VALIDATE - PRODUCE GENERAL AND PAYROLL TRANSACTION MESSAGES

Prepares General and Payroll transaction warning and error messages.

[0] PPP400 - TRANSACTION VALIDATE - MAIN LOGIC

Validates transactions against the presence or absence of organizations and employees in the Employee Master.

[0] PPP410 - TRANSACTION VALIDATE - HOUSEKEEPING

Initializes work areas and processing functions. Readies the input files and processes file headers.

[0] PPP415 - TRANSACTION VALIDATE - INPUT CONTROL

Obtains the next transaction and matches it against the Employee Master.

[P] PPP425 - TRANSACTION VALIDATE - TIME ENTRY BATCH CONTROL

Checks the syntax of batch control transactions for time entry transaction batches.

[0] PPP430 - TRANSACTION VALIDATE - ORGANIZATION CONTROL AND SETUP TRANSACTIONS

Validates and checks the syntax of the transactions that are required to set up an organization.

[P] PPP432 - TRANSACTION VALIDATE - OPTIONAL ORGANIZATION PAYROLL TRANSACTIONS, 1

Checks the syntax of organization DOE types, hours accrual codes, bank data, and Labor Distribution options.

[P] PPP434 - TRANSACTION VALIDATE - OPTIONAL ORGANIZATION PAYROLL TRANSACTIONS, 2

Checks the syntax of organization report control options.

[P] PPP436 - TRANSACTION VALIDATE - OPTIONAL ORGANIZATION PAYROLL TRANSACTIONS, 3

Validates and checks the syntax of organization DOE, accrual, and wage definition information.

[P] PPP437 - TRANSACTION VALIDATE - EMPLOYEE DOE AND SALTA DELETE TRANSACTIONS

Validates and checks the syntax of DOE and SALTA delete transactions.

[P] PPP439 - TRANSACTION VALIDATE - REQUIRED EMPLOYEE SETUP TRANSACTIONS

Checks the syntax of the transactions that are required to set up an employee.

[P] PPP445 - TRANSACTION VALIDATE - OPTIONAL EMPLOYEE PAYROLL TRANSACTIONS

Checks the syntax of optional transactions for new or existing employees.

[P] PPP446 - TRANSACTION VALIDATE - EMPLOYEE DOE TRANSACTIONS

Validates and checks the syntax of employee DOE transactions, or generates an employee DOE transaction from organization DOE assumption data when triggered by a time entry transaction.

[P] PPP447 - TRANSACTION VALIDATE - PAYROLL ADJUSTMENT TRANSACTIONS

Validates and checks the syntax of employee payroll adjustment transactions. Accumulates totals needed to balance the adjustment set.

[P] PPP449 - TRANSACTION VALIDATE - REGULAR TIME ENTRY TRANSACTIONS

Validates and checks the syntax of regular time entry transactions.

[P] PPP451 - TRANSACTION VALIDATE - VACATION TIME ENTRY TRANSACTIONS

Validates and checks the syntax of vacation time entry transactions.

[M] PPP452 - TRANSACTION VALIDATE - ORGANIZATION PERSONNEL REPORT OPTIONS TRANSACTIONS

Checks the syntax of the transactions that establish Personnel report options for the organization.

[M] PPP460 - TRANSACTION VALIDATE - PERSONNEL EMPLOYEE SETUP TRANSACTIONS

Validates and checks the syntax of employee setup and maintenance transactions.

[M] PPP461 - TRANSACTION VALIDATE - OPTIONAL EMPLOYEE PERSONNEL TRANSACTIONS

Validates and checks the syntax of Personnel maintenance transactions.

[M] PPP462 - TRANSACTION VALIDATE - EMPLOYEE PERSONNEL ITERATIVE MAINTENANCE TRANSACTIONS

Validates and checks the syntax of Personnel maintenance transactions for iterative type employee data.

[P] PPP464 - TRANSACTION VALIDATE - USER-DEFINED ORGANIZATION PAYROLL TRANSACTIONS

Validates and checks the syntax of user-defined Payroll transactions for organization data.

[P] PPP465 - TRANSACTION VALIDATE - USER-DEFINED EMPLOYEE PAYROLL TRANSACTIONS

Validates and checks the syntax of user-defined Payroll transactions for employee data.

[M] PPP466 - TRANSACTION VALIDATE - USER-DEFINED ORGANIZATION PERSONNEL TRANSACTIONS

Validates and checks the syntax of user-defined Personnel transactions for organization data.

[M] PPP467 - TRANSACTION VALIDATE - USER-DEFINED EMPLOYEE PERSONNEL TRANSACTIONS

Validates and checks the syntax of user-defined Personnel transactions for employee data.

[0] PPP470 - TRANSACTION VALIDATE - OUTPUT CONTROL

Prepares the transaction validation report.

[0] PPP475 - TRANSACTION VALIDATE - END OF JOB

Finishes the validation report and closes all files.

[0] PPP600 - UPDATE EMPLOYEE MASTER - MAIN LOGIC

Applies system input transactions to the Employee Master.

[0] PPP610 - UPDATE EMPLOYEE MASTER - HOUSEKEEPING

Initializes all work areas used by Update Master modules and updates the Employee Master header.

[0] PPP611 - UPDATE EMPLOYEE MASTER - GET PREPARED MASTER

Gets the Employee Master record associated with the transaction and prepares the stack area for updating.

[0] PPP615 - UPDATE EMPLOYEE MASTER - ORGANIZATION CONTROL DATA

Updates Employee Master organization control data.

[P] PPP616 - UPDATE EMPLOYEE MASTER - BASIC PAYROLL DATA

Updates Employee Master employee Payroll data.

[M] PPP618 - UPDATE EMPLOYEE MASTER - ORGANIZATION PERSONNEL DATA

Updates Employee Master organization Personnel data.

[M] PPP619 - UPDATE EMPLOYEE MASTER - BASIC PERSONNEL DATA, 1

Updates Employee Master to establish an employee on Personnel.

[M] PPP620 - UPDATE EMPLOYEE MASTER - ITERATIVE PERSONNEL DATA

Updates Employee Master with the Personnel iteration data.

[M] PPP621 - UPDATE EMPLOYEE MASTER - BASIC PERSONNEL DATA, 2

Updates Employee Master with Personnel data.

[0] PPP624 - UPDATE EMPLOYEE MASTER - END OF JOB

Updates trailer record and performs end-of-job processing.

[0] PPP672 - UPDATE EMPLOYEE MASTER - WRITE EMPLOYEE MASTER

Writes the Employee Master organization header and employee records.

[0] PPP681 - UPDATE EMPLOYEE MASTER - READ ACTIVITY

Obtains the next transaction to be processed.

[P] PPP700 - PAYROLL COMPUTE - MAIN LOGIC

Controls Payroll computation processing.

[P] PPP710 - PAYROLL COMPUTE - HOUSEKEEPING

Updates file header records and initializes work areas.

[P] PPP711 - PAYROLL COMPUTE - GET READIED MASTER

Gets the next employee record to be processed and prepares it for processing.

[P] PPP712 - PAYROLL COMPUTE - CALCULATE GROSS

Calculates the gross pay for one check.

[P] PPP713 - PAYROLL COMPUTE - EXCLUDABLE DEDUCTIONS

Calculates excludable DOEs and subtracts them from taxable wages.

[P] PPP714 - PAYROLL COMPUTE - CALCULATE TAXES

Prepares taxing parameters. Accesses Taxing Subsystem to calculate individual taxes. Adjusts and stores tax amounts.

[P] PPP716 - PAYROLL COMPUTE - TAKE DEDUCTIONS

Processes all deductions.

[P] PPP717 - PAYROLL COMPUTE - TRAILER RECORD

Processes trailer records and prepares Labor Distribution/PGLI organization records.

[P] PPP722 - PAYROLL COMPUTE - CREATE ADJUSTMENT RECORDS

Creates and writes adjustment records to the Payroll Reporting Detail File (PWR060).

[P] PPP730 - PAYROLL COMPUTE - AUTO SALARY SPLIT

Splits earnings and hours amounts using the automatic salary splits.

[P] PPP734 - PAYROLL COMPUTE - TAKE DOE NOW

Determines whether or not to apply an amount for a specific DOE in a specific cycle.

[P] PPP735 - PAYROLL COMPUTE - CALCULATE DOE AMOUNT

Calculates the amount of the DOE.

[P] PPP740 - PAYROLL COMPUTE - ORGANIZATION HEADER

Gets the organization header, initializes areas, and writes the organization header.

[P] PPP750 - PAYROLL COMPUTE - EMPLOYEE DISTRIBUTION

Creates distribution/interface records from the distribution earnings table and the employee record.

[P] PPP752 - PAYROLL COMPUTE - BUILD DISTRIBUTION TABLES

Builds the distribution table for earnings.

[P] PPP760 - PAYROLL COMPUTE - BUILD DISTRIBUTION RECORD

Creates distribution/interface records.

[P] PPP771 - PAYROLL COMPUTE - READ TRANSACTION CONTROL

Reads the next organization control, adjustment, time entry, or one-time DOE override transaction.

[P] PPP783 - PAYROLL COMPUTE - WRITE DISTRIBUTION RECORD

Records maintenance counts and writes distribution/interface records.

[0] PPP900 - EMPLOYEE MASTER UTILITY

Depending on the options selected on the control transaction, performs one or more of the following functions:

- Creates an initial Employee Master File.
- Initializes Employee Master File fields in an existing master file.
- Corrects trailer counts.
- Prints trailer counts.

Note: Additional programs PPP902 and PPP903 can also be used to perform these functions during conversion.

[0] PPP902 - EMPLOYEE MASTER FILE CONVERSION

Converts a 93.09 Employee Master File to a 97.03 release level.

[0] PPP903 - EMPLOYEE MASTER FILE CONVERSION

Converts a 97.03 Employee Master File to a 98.20 release level.

[0] PPP980 - MULTIPLE REPORT TOP OF FORM (EXTERNALIZED I/O CONTROL)

Writes up to five different reports by report number.

[0] PPP99X - MODIFY EMPLOYEE MASTER (EXTERNALIZED I/O CONTROL)

Accesses the Employee Master File for updating. Writes the Payroll Reporting Detail File.

[0] PPP990 - READ EMPLOYEE MASTER (EXTERNALIZED I/O CONTROL)

Reads the Employee Master or the Payroll Reporting Detail File.

[0] PPP991 - MODIFY EMPLOYEE MASTER (EXTERNALIZED I/O CONTROL)

Accesses the Employee Master for updating. Writes the Payroll Reporting Detail File.

[0] PPRSKL - EMPLOYEE MASTER SKELETON PROGRAM

Provides a skeleton program to aid in accessing the Employee Master to satisfy special processing requirements.

[P] PPR100 - PAYROLL REPORT GENERATOR - ROOT

Controls the processing of the subordinate modules used to produce Payroll Check Writer and Payroll reports records.

[P] PPR110 - PAYROLL REPORT GENERATOR - HOUSEKEEPING

Opens input files and initializes control and work areas for the Payroll Report Generator.

[P] PPR111 - PAYROLL REPORT GENERATOR - INPUT CONTROL

Gets a valid set of control transactions for the next organization.

[P] PPR112 - PAYROLL REPORT GENERATOR - PROCESS CONTROL RECORD

Initializes organization hold areas and creates the header records for Check Reversal.

[P] PPR113 - PAYROLL REPORT GENERATOR - PROCESS CHECK PAY DOE

Creates records for Check Writer, DOE Register, Payroll Register, and Check Reversal.

[P] PPR114 - PAYROLL REPORT GENERATOR - PROCESS DEDUCTIONS NOT TAKEN

Creates the report records for the Deductions Not Taken report.

[P] PPR115 - PAYROLL REPORT GENERATOR - PROCESS BONDS

Creates the report records for the Bonds report.

[P] PPR117 - PAYROLL REPORT GENERATOR - CREATE BANK AND ACH

Creates the Bank Services and ACH report records as requested.

[P] PPR118 - PAYROLL REPORT GENERATOR - PROCESS EMPLOYEE STATE/LOCAL TAX

Creates U.S. State and Local, and Canadian Federal and Provincial Employee Tax Report records.

[P] PPR119 - PAYROLL REPORT GENERATOR - PROCESS HOURS

Creates records for the Hours Register.

[P] PPR120 - PAYROLL REPORT GENERATOR - PROCESS EMPLOYER TAX SUMMARY

Creates records for the Payroll Employer Tax Summary.

[P] PPR125 - PAYROLL REPORT GENERATOR - PROCESS DOE LIST

Creates records for the Deductions/Other Earnings Report by DOE.

[P] PPR126 - PAYROLL REPORT GENERATOR - PROCESS ADDRESS LIST

Creates records for Address Labels.

[P] PPR127 - PAYROLL REPORT GENERATOR - PROCESS TRAILER RECORD

Creates header and trailer records for Check Writer, Payroll Reports, and Check Reversal Detail files.

[P] PPR128 - PAYROLL REPORT GENERATOR - END OF JOB

Creates the file trailer record for the Check Writer and Payroll Reports files.

[P] PPR180 - PAYROLL REPORT GENERATOR - WRITE CHECK WRITER

Creates major sort key for the Check Writer File and writes records to the Payroll Reports File.

[P] PPR181 -PAYROLL REPORT GENERATOR - WRITE PAYROLL REPORTS

Creates major sort key for the Payroll Reports File and writes records to the Payroll Reports File.

[P] PPR182 - PAYROLL REPORT GENERATOR - WRITE CHECK REVERSAL DETAIL

Writes records to the Check Reversal Detail File.

[M] PPR200 - PERSONNEL REPORT GENERATOR - ROOT

Reads the Employee Master, stores the header information, reads the override transactions, and accesses the module to process employee records.

[M] PPR210 - PERSONNEL REPORT GENERATOR - HOUSEKEEPING

Initializes storage areas. Reads the first override transaction and the first Employee Master record.

[M] PPR221 - PERSONNEL REPORT GENERATOR - NULL SEGMENTS

Initializes Personnel and Benefits segments and fields.

[M] PPR225 - PERSONNEL REPORT GENERATOR - GENERATE HEADER/TRAILER

Creates Personnel Reports File header and trailer records.

[M] PPR230 - PERSONNEL REPORT GENERATOR - PROCESS CONTROL

Accesses the appropriate Personnel programs to create the Personnel report records.

[M] PPR232 - PERSONNEL REPORT GENERATOR - GENERATE PROFILES

Formats the report records and keys for the Personnel Profile report.

[M] PPR236 - PERSONNEL REPORT GENERATOR - GENERATE REVIEWS

Formats the report records for the Personnel Reviews report.

[M] PPR237 - PERSONNEL REPORT GENERATOR - GENERATE LEAVE OF ABSENCE

Formats the report records for the Leave of Absence report.

[M] PPR238 - PERSONNEL REPORT GENERATOR - GENERATE EXTENDED TERMINATION

Formats the report records for the Extended Termination report.

[M] PPR239 - PERSONNEL REPORT GENERATOR - GENERATE LABELS

Formats the report records for address labels.

[M] PPR241- PERSONNEL REPORT GENERATOR - GENERATE EEO-1 STATISTICAL ANALYSIS

Formats the report records for the EEO-1 Statistical Analysis report.

[M] PPR242 - PERSONNEL REPORT GENERATOR - GENERATE EEO-4

Formats the report records for the EEO-4 report.

[M] PPR243 - PERSONNEL REPORT GENERATOR - GENERATE JOB GROUP

Formats the report records for the Job Group Analysis report.

[M] PPR244- PERSONNEL REPORT GENERATOR - GENERATE WORKFORCE

Formats the report records for the Workforce Utilization report.

[M] PPR245 - PERSONNEL REPORT GENERATOR - GENERATE SECTOR ANALYSIS

Formats the report records for the Sector Analysis report.

[M] PPR246 - PERSONNEL REPORT GENERATOR - GENERATE SECTOR UTILIZATION

Formats the report records for the Sector Utilization report.

[M] PPR247 - PERSONNEL REPORT GENERATOR - GENERATE UTILIZATION

Formats the report records for the Utilization Analysis report.

[M] PPR248 - PERSONNEL REPORT GENERATOR - GENERATE KEY

Formats and builds the sort key for all Personnel reports.

[M] PPR256 - PERSONNEL REPORT GENERATOR - GENERATE EEO-1

Formats the report records for the EEO-1 report.

[M] PPR259 - PERSONNEL REPORT GENERATOR - GENERATE VETS-4212

Formats the report records for the VETS-4212 report and file.

[M] PPR270 - PERSONNEL REPORT GENERATOR - WRITE PERSONNEL REPORTS

Writes the report records.

[M] PPR275 - PERSONNEL REPORT GENERATOR - END OF JOB

Reads to the end of the override file if it was opened, prints a summary report, and closes all files.

[P] PPR300 - TIME ENTRY PROOF LIST

Lists and produces totals by the various levels of control for all time entry transactions entered into the system.

[P] PPR4DT - PAYROLL REPORT PRINT - ORGANIZATION DOE TABLE BUILD

Builds the organization DOE table for a given level 1-level 2.

[P] PPR4ED - PAYROLL REPORT PRINT - PROCESS SUMMARY

Produces the Process Summary report and the Payroll billing records.

[P] PPR4IN - PAYROLL REPORT PRINT - READ CONTROL TRANSACTIONS

Checks the syntax of control transactions. Reads the first report file record.

[P] PPR4PC - PAYROLL REPORT PRINT - PRINT LINE CONTROL

Delivers the print line to the appropriate print I/O routine.

[P] PPR4PC - PAYROLL REPORT PRINT - READ REPORT FILE

Reads the sorted reports file.

[P] PPR4RD - PRINT SPOOL FILE UTILITY

Prints records from a print-image disk spool file.

[P] PPR400 - PAYROLL REPORT PRINT - ROOT

Accesses the appropriate processing module.

[P] PPR402 - PAYROLL REPORT PRINT - PAYROLL REGISTER

Produces the Payroll Register.

[P] PPR403 - PAYROLL REPORT PRINT - DOE REGISTER

Produces the DOE Register.

[P] PPR404 - PAYROLL REPORT PRINT - DEDUCTIONS NOT TAKEN

Produces the Deductions Not Taken register.

[P] PPR405 - PAYROLL REPORT PRINT - BONDS

Produces the Bonds register.

[P] PPR407 - PAYROLL REPORT PRINT - BANK SERVICES

Produces the Bank Services report.

[P] PPR408 - PAYROLL REPORT PRINT - EMPLOYER TAX SUMMARY

Produces the Tax Distribution Summary.

[P] PPR409 - PAYROLL REPORT PRINT - HOURS

Produces the Hours Register.

[P] PPR410 - PAYROLL REPORT PRINT - EMPLOYEE STATE AND LOCAL TAX

Produces the Employee Tax Summary.

[P] PPR411 - PAYROLL REPORT PRINT - ACH TAPE

Creates Automated Clearing House (ACH) Tapes, and produces a report showing detailed accounting by service type.

[P] PPR412 - PAYROLL REPORT PRINT - DEDUCTIONS/OTHER EARNINGS BY DOE

Produces the Deductions/Other Earnings by DOE report.

[P] PPR413 - PAYROLL REPORT PRINT - ADDRESS LABELS

Produces address labels.

[C] PPR472 - PAYROLL REPORT PRINT - EMPLOYER TAX SUMMARY

Produces the Canadian Employer Tax Summary.

[P] PPR500 - PAYROLL REPORT PRINT - MAIN LOGIC

Controls the process of the Check Writer system.

[P] PPR510 - PAYROLL CHECK WRITER - EDIT CONTROL DATA

Edits the transaction control file and prints the control report.

[P] PPR520 - PAYROLL CHECK WRITER - READ/BUILD RECORD SETS

Reads and builds record sets.

[P] PPR530 - PAYROLL CHECK WRITER - DETERMINE FORM NUMBER AND CHECK/DEPOSIT NUMBER

Determines form number and check/deposit number.

[P] PPR535 - PAYROLL CHECK WRITER - RESTART

Restarts check/deposit forms.

[P] PPR540 - PAYROLL CHECK WRITER - COMPUTE CHECK AMOUNT

Totals all deductions/other earnings that make up bank service deductions, obtains actual check amount, and finds the bank name.

[P] PPR550 - PAYROLL CHECK WRITER - CREATE CHECK/DEPOSIT FORMATS

Creates check and deposit formats.

[P] PPR560 - PAYROLL CHECK WRITER - PRINT CONTROL REPORTS

Performs printing of control reports.

[P] PPR590 - PAYROLL CHECK WRITER - END OF JOB

Closes HRMS Tables File, Check/Deposit Print Files, and report files.

[P] PPR595- PAYROLL CHECK WRITER - SPOOL FILE UTILITY

Controls transaction edit and check/deposit printing.

[M] PPR7ED - PERSONNEL REPORT PRINT- PROCESS SUMMARY

Prepares the Process Summary report; prepares the billing records and closes the files.

[M] PPR7IN - PERSONNEL REPORT PRINT - READ CONTROL TRANSACTIONS

Reads all of the report generator control transactions and uses them to prepare an internal table.

[M] PPR7PC - PERSONNEL REPORT PRINT - PRINT LINE CONTROL

Delivers the print line to the appropriate print I/O module.

[M] PPR7RD - PERSONNEL REPORT PRINT - READ REPORT FILE

Reads the next record from the report file.

[M] PPR700 - PERSONNEL REPORT PRINT - ROOT

Access the appropriate report print modules.

[M] PPR701 - PERSONNEL REPORT PRINT - PROFILE-1

Produces the Profile-1 report.

[M] PPR702 - PERSONNEL REPORT PRINT - PROFILE-2

Produces the Profile-2 report.

[M] PPR703 - PERSONNEL REPORT PRINT - PROFILE-3

Produces the Profile-3 report.

[M] PPR704 - PERSONNEL REPORT PRINT - REVIEWS

Produces the Salary and Performance Review report.

[M] PPR705 - PERSONNEL REPORT PRINT - EEO-1 STATISTICAL ANALYSIS

Produces the EEO-1 Statistical Analysis report.

[M] PPR706 - PERSONNEL REPORT PRINT - EEO-4

Produces the EEO-4 report.

[M] PPR707 - PERSONNEL REPORT PRINT - LEAVE OF ABSENCE

Produces the Leave of Absence report.

[M] PPR708 - PERSONNEL REPORT PRINT - EXTENDED TERMINATION

Produces the Terminated Employees report.

[M] PPR720 - PERSONNEL REPORT PRINT - LABELS

Produces address labels.

[M] PPR723 - PERSONNEL REPORT PRINT - JOB GROUP

Produces the Job Group Analysis.

[M] PPR724 - PERSONNEL REPORT PRINT - WORKFROCE UTILIZATION

Produces the Workforce Utilization Analysis report.

[M] PPR725 - PERSONNEL REPORT PRINT - SECTOR ANALYSIS

Produces the Sector Analysis report.

[M] PPR726 - PERSONNEL REPORT PRINT - SECTOR UTILIZATION

Produces the Sector Utilization report.

[M] PPR727 - PERSONNEL REPORT PRINT - UTILIZATION

Produces the Utilization Analysis report.

[M] PPR728 - PERSONNEL REPORT PRINT - EEO-1

Produces the EEO-1 report.

[M] PPR729 - PERSONNEL REPORT PRINT - VETS-4212

Produces the VETS-4212 report and electronic file.

[X] PPR731 - PERSONNEL REPORT PRINT - BENEFITS PROFILE

Produces the Benefits Profile report.

[X] PPR732 - PERSONNEL REPORT PRINT - BENEFITS DEMOGRAPHIC PLAN ANALYSIS

Produces the Benefits Demographic Plan Analysis.

[X] PPR733 - PERSONNEL REPORT PRINT - BENEFITS NOTIFICATION

Produces the Benefits Notification report.

[C] PPR900 - AUDIT CANADIAN EMPLOYEE MASTER

Audit program used for identifying out-of-balance conditions for Canadian Year-end reporting.

[0] PPR950 - EMPLOYEE MASTER PRINT - MAIN LOGIC

Accesses submodules to obtain and print Employee Master records.

[0] PPR952 - EMPLOYEE MASTER PRINT - HOUSEKEEPING

Initializes the Employee Master for processing and reads the first control transaction. Then, reads and processes the Employee Master File header and reads the first organization header.

[0] PPR955 - EMPLOYEE MASTER PRINT - PRINT ORGANIZATION DATA

Prepares print lines for the header record and for the organization header and trailer records.

[0] PPR956 - EMPLOYEE MASTER PRINT - PRINT EMPLOYEE DATA

Prepares print lines for the Employee Master record.

[0] PPR958 - EMPLOYEE MASTER PRINT - TOP OF FORMS

Controls page headings and writes print lines.

[0] PPR959 - EMPLOYEE MASTER PRINT - END OF JOB

Checks for errors and closes files.

[U] PPUTFA - GET LABOR RELATIONS TABLE DESCRIPTIONS

Controls access to the HRMS Tables File for Labor Relations transactions.

[U] PPU270 - PERSONNEL REPORT GENERATOR - LABOR RELATIONS PROFILE

Formats records for the Labor Relations Profile report.

[U] PPU271- PERSONNEL REPORT GENERATOR - LABOR RELATIONS UNION ROSTER

Formats records for the Labor Relations Union Roster.

[U] PPU272 - PERSONNEL REPORT GENERATOR - LABOR RELATIONS DISCIPLINE REPORT

Formats records for the Labor Relations Discipline report.

[U] PPU273 - PERSONNEL REPORT GENERATOR - LABOR RELATIONS GRIEVANCE REPORT

Formats records for the Labor Relations Grievance report.

[U] PPU274- PERSONNEL REPORT GENERATOR - LABOR RELATIONS SENIORITY ROSTER

Formats records for the Labor Relations Seniority Roster.

[U] PPU4ET - TRANSACTION VALIDATE - LABOR RELATIONS EMPLOYEE TRANSACTIONS

Validates the Labor Relations employee transactions.

[U] PPU40T - TRANSACTION VALIDATE - LABOR RELATIONS ORGANIZATION TRANSACTIONS

Validates the Labor Relations organization transactions.

[U] PPU4U7 - TRANSACTION VALIDATE - PRODUCE LABOR RELATIONS MESSAGES

Prints Labor Relations transaction warning and error messages.

[U] PPU6LE - UPDATE EMPLOYEE MASTER - LABOR RELATIONS EMPLOYEE DATA

Updates Employee Master employee Labor Relations data.

[U] PPU6LO - UPDATE EMPLOYEE MASTER - LABOR RELATIONS ORGANIZATION DATA

Updates Employee Master organization header Labor Relations data.

[U] PPU737 - PERSONNEL REPORT PRINT - LABOR RELATIONS PROFILE

Prints the Labor Relations Profile report.

[U] PPU738 - PERSONNEL REPORT PRINT - LABOR RELATIONS UNION ROSTER

Prints the Labor Relations Union Roster.

[U] PPU739 - PERSONNEL REPORT PRINT - LABOR RELATIONS DISCIPLINE REPORT

Prints the Labor Relations Discipline report.

[U] PPU740 - PERSONNEL REPORT PRINT - LABOR RELATIONS GRIEVANCE REPORT

Prints the Labor Relations Grievance report.

[U] PPU741 - PERSONNEL REPORT PRINT - LABOR RELATIONS SENIORITY ROSTER

Prints the Labor Relations Seniority Roster.

[M] PPVSKT - GET SKILLS CODE TRANSLATION

Gets skills translation for skills function, subfunction, and proficiency codes from the HRMS Tables File.

[M] PPVTRN - GET CODE TRANSLATION

Gets translation for requested Personnel code value from the HRMS Tables File.

[0] PPV100 - HRMS TABLES FILE - CREATE KEY

Creates HRMS Tables File key for HRMS Tables File transactions.

[0] PPV3GT- HRMS TABLES FILE UPDATE - READ TRANSACTIONS

Obtains the HRMS Tables File transaction record to process and reads the next transaction record.

[C] PPV3MC - HRMS TABLES FILE UPDATE - CANADIAN PAYROLL TRANSACTIONS

Updates the HRMS Tables File with Canadian Payroll transactions.

[M] PPV3ME - HRMS TABLES FILE UPDATE - PERSONNEL TRANSACTIONS

Updates the HRMS Tables File with Personnel transactions.

[H] PPVEMH - HRMS TABLES FILE UPDATE - LTD HISTORY TRANSACTION

Maintains T33 transactions and counts the number of accepted and rejected transactions

[J] PPVEMJ - HRMS TABLES FILE UPDATE - POSITION CONTROL TRANSACTIONS

Maintains T10, T11,T12, and T13 transactions. Counts the number of accepted and rejected transactions

[P] PPV3MP - HRMS TABLES FILE UPDATE - PAYROLL TRANSACTIONS

Updates the HRMS Tables File with Payroll transactions.

[U] PPV3MU - HRMS TABLES FILE UPDATE - LABOR RELATIONS TRANSACTIONS

Maintains T71-T75 transactions. Counts the number of accepted and rejected transactions

[M] PPV3MW - HRMS TABLES FILE UPDATE - WORKFORCE UTILIZATION TRANSACTIONS

Updates the HRMS Tables File with Workforce Utilization transactions.

[X] PPV3MX - HRMS TABLES FILE UPDATE - BENEFITS TRANSACTIONS

Maintains T21,T22,T23,T24, and T25 transactions. Counts the number of accepted and rejected transactions.

[0] PPV3M0 - HRMS TABLES FILE UPDATE - PAYROLL/PERSONNEL TRANSACTIONS

Updates the HRMS Tables File with Payroll/Personnel transactions.

[0] PPV300 - HRMS TABLES FILE UPDATE - ROOT

Accesses the module that update the HRMS Tables File.

[M] PPV4SK - TRANSACTION VALIDATE - SKILLS TRANSLATION CODE

Determines whether there is an entry in the HRMS Tables File that corresponds to the code received.

[M] PPV4TR - TRANSACTION VALIDATE - CODE TRANSLATIONS

Determine whether there is an entry in the HRMS Tables File that corresponds to the code received.

[0] PPV5FF - HRMS TABLES FILE UPDATE - PAYROLL/PERSONNEL RECORDS

Formats run control records for the HRMS Tables File - File List reports.

[M] PPV5FM - HRMS TABLES FILE UPDATE - PERSONNEL RECORDS

Formats Personnel and Workforce Utilization records for the HRMS Tables File - File List reports.

[M] PPV5FO - HRMS TABLES FILE UPDATE - PERSONNEL MODULE RECORDS

Formats Benefits, History, Labor Relations, and Position Control records for the HRMS Tables File - File List reports.

[P] PPV5FP - HRMS TABLES FILE UPDATE - PAYROLL RECORDS

Formats U.S. and Canadian Payroll records for the HRMS Tables File - File List reports.

[0] PPV500 - HRMS TABLES FILE UPDATE - ROOT

Accesses the modules that produce the HRMS Tables File - File List reports.

[0] PPV900 - HRMS TABLES FILE BACKUP

Backs up the HRMS Tables File.

[0] PPV950 - HRMS TABLES FILE RESTORE

Restores the HRMS Tables File.

[X] PPXACT - BENEFITS ACTUARIAL CALCULATIONS

Provides an interface for user actuarial calculation routines.

[X] PPXLTF - LOAD BENEFITS TABLES DATA (EXTERNALIZED I/O CONTROL)

Reads Benefits plans from the HRMS Tables File.

[X] PPXVST - BENEFITS VESTING CALCULATIONS

Calculates vesting dates. Updates participation, benefits, and vesting service credits.

[X] PPX253 - PERSONNEL REPORT GENERATOR - GENERATE BENEFITS PROFILE

Formats records for the Benefits Profile.

[X] PPX254 - PERSONNEL REPORT GENERATOR - GENERATE BENEFITS DEMOGRAPHIC PLAN ANALYSIS

Formats records for the Benefits Demographic Plan Analysis.

[X] PPX255 - PERSONNEL REPORT GENERATOR - GENERATE BENEFITS NOTIFICATION

Formats records for the Benefits Notification report.

[X] PPX4BE - TRANSACTION VALIDATE - EMPLOYEE BENEFITS DATA

Validates and checks the syntax of the employee transactions containing Benefits data.

[X] PPX4BO - TRANSACTION VALIDATE - ORGANIZATION BENEFITS DATA

Validates and checks the syntax of the organization transactions containing Benefits report options and plan data.

[X] PPX6BE - UPDATE EMPLOYEE MASTER - EMPLOYEE BENEFITS DATA

Updates Employee Master employee Benefits data.

[X] PPX6BO - UPDATE EMPLOYEE MASTER - ORGANIZATION BENEFITS DATA

Updates Employee Master organization header Benefits data.

[0] PPZ4Z7 - TRANSACTION VALIDATE - PRODUCE USER-DEFINED TRANSACTION MESSAGES

Writes the sequence of error and warning messages for user-defined transactions.

[P] PP1000 - REGULATORY REPORT GENERATE - INPUT CONTROL LOAD AND EDIT

Uses Regulatory Generate control and request data from PW10IC and produces the Generate Report Request File. Also create the Generate Run Control File.

[P] PP20CH - REGULATORY REPORT GENERATE - COMPANY HEADER

Builds the company header records containing employer data for the Generated Reports File.

[P] PP20EE - REGULATORY REPORT GENERATE - EMPLOYEE PROCESSING ROOT

Controls all employee level processing. Controls the calling of report specific programs that produce employee detail data records for the various regulatory reports.

[P] PP20ER - REGULATORY REPORT GENERATE - EMPLOYER PROCESSING

Controls the retrieval of all employer/company level regulatory data from the HRMS Tables File for the employer/company header data records.

[P] PP20RT - REGULATORY REPORT GENERATE - BUILD REQUEST TABLES

Builds the generate request tables from the Generate Request File. The tables that are built contain all report requests for processing a level 1-level 2 from the Employee Master File.

[P] PP2000 - REGULATORY REPORT GENERATE - ROOT PROGRAM

Controls all generate processing for creating employer/company header and employee level detail records for the Generated Reports File. This is the root program that calls the PL2000 subprograms.

[P] PP2001 - REGULATORY REPORT GENERATE - W-2 FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Federal W-2 Form employee detail records for the Generated Reports File. Also produces detail records for the Puerto Rico W-2PR Form.

[P] PP2002 - REGULATORY REPORT GENERATE - FEDERAL W-2 TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Federal W-2 Tape employee detail records for the Generated Reports File.

[P] PP2003 - REGULATORY REPORT GENERATE - FEDERAL 1099-R FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Federal 1099-R Form employee detail records for the Generated Reports File.

[P] PP2004 - REGULATORY REPORT GENERATE - FEDERAL 1099-R TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Federal 1099-R Tape employee detail records for the Generated Reports File.

[P] PP2100 - REGULATORY REPORT GENERATE - STATE W-2 TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating State W-2 Tape employee detail records for the Generated Reports File.

[P] PP2101 - REGULATORY REPORT GENERATE - STATE QUARTERLY UNEMPLOYMENT FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating State Unemployment Form employee detail records for the Generated Reports File.

[P] PP2102 - REGULATORY REPORT GENERATE - STATE QUARTERLY UNEMPLOYMENT TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating State Unemployment Tape employee detail records for the Generated Reports File.

[P] PP2103 - REGULATORY REPORT GENERATE - STATE 1099-R TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating State 1099-R Tape employee detail records for the Generated Reports File.

[P] PP2104 - REGULATORY REPORT GENERATE - STATE QUARTERLY WAGE/TAX FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating State Wage/Tax Form employee detail records for the Generated Reports File.

[P] PP2105 - REGULATORY REPORT GENERATE - STATE QUARTERLY WAGE/TAX FILE EMPLOYEE DETAIL

Controls all employee detail processing for creating State Quarterly Wage/Tax File employee detail records for the Generated Reports File.

[P] PP2106 - REGULATORY REPORT GENERATE - STATE MONTHLY WAGE/TAX FILE EMPLOYEE DETAIL

Controls all employee detail processing for creating State Monthly Wage/Tax File employee detail records for the Generated Reports File.

[P] PP2107 - REGULATORY REPORT GENERATE - STATE QUARTERLY FLI EMPLOYEE DETAIL

Controls all employee detail processing for creating State Quarterly Family Leave Insurance File employee detail records for the Generated Reports File.

[P] PP2200 - REGULATORY REPORT GENERATE - CANADIAN T4 FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve T4 Form employee detail records for the Generated Reports File.

[P] PP2201 - REGULATORY REPORT GENERATE - CANADIAN T4 TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve T4 Tape employee detail records for the Generated Reports File.

[P] PP2202 - REGULATORY REPORT GENERATE - CANADIAN T4A FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve T4A Form employee detail records for the Generated Reports File.

[P] PP2203 - REGULATORY REPORT GENERATE - CANADIAN T4A TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve T4A Tape employee detail records for the Generated Reports File.

[P] PP2300 - REGULATORY REPORT GENERATE - CANADIAN RELEVE 1 FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve 1 Form employee detail records for the Generated Reports File.

[P] PP2301 - REGULATORY REPORT GENERATE - CANADIAN RELEVE 2 FORM EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve 2 Form employee detail records for the Generated Reports File.

[P] PP2302 - REGULATORY REPORT GENERATE - CANADIAN RELEVE 1 & 2 TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Canadian Releve Tape employee detail records for the Generated Reports File.

[P] PP2400 - REGULATORY REPORT GENERATE - LOCAL W-2 TAPE EMPLOYEE DETAIL

Controls all employee detail processing for creating Local W-2 Tape employee detail records for the Generated Reports File.

[P] PP3000 - REGULATORY AUDIT/EXCEPTION PROCESSING - ROOT

Controls all audit/exception processing for creating audit/exception reports and creating report detail records and company header records for the Regulatory Reports File. This program controls the calling of all other PP3000 programs. It also reads the Run Control File to obtain processing options.

[P] PP3001 - REGULATORY AUDIT/EXCEPTION W-2 FORM

Controls the audit/exception processing Federal W-2 Form employee detail records. In addition, it writes the Federal W-2 Form employee report records for the Regulatory Reports File.

[P] PP3002 - REGULATORY AUDIT/EXCEPTION FEDERAL W-2 TAPE

Controls the audit/exception processing Federal W-2 Tape employee detail records. In addition, it writes the Federal W-2 Tape employee report records for the Regulatory Reports File.

[P] PP3003 - REGULATORY AUDIT/EXCEPTION FEDERAL 1099-R FORM

Controls the audit/exception processing Federal 1099-R Form employee detail records. In addition, it writes the Federal 1099-R Form employee report records for the Regulatory Reports File.

[P] PP3004 - REGULATORY AUDIT/EXCEPTION FEDERAL 1099-R TAPE

Controls the audit/exception processing Federal 1099-R Tape employee detail records. In addition, it writes the Federal 1099-R Tape employee report records for the Regulatory Reports File.

[P] PP3007 - REGULATORY AUDIT/EXCEPTION PUERTO RICO W-2PR FORM

Controls the audit/exception processing for Puerto Rico W-2PR Form employee detail records. In addition, it writes the Puerto Rico W-2PR Form employee report records for the Regulatory Reports File.

[P] PP3008 - REGULATORY AUDIT/EXCEPTION FEDERAL PUERTO RICO W-2PR TAPE

Controls the audit/exception processing for Federal Puerto Rico W-2PR Tape.

[P] PP3100 - REGULATORY AUDIT/EXCEPTION STATE W-2 TAPE

Controls the audit/exception processing for State W-2 Tape employee detail records. In addition, it writes the State W-2 Tape employee report records for the Regulatory Reports File.

[P] PP3101 - REGULATORY AUDIT/EXCEPTION STATE QUARTERLY UNEMPLOYMENT FORM

Controls the audit/exception processing for State Quarterly Unemployment Form employee detail records. In addition, it writes the State Quarterly Unemployment Form employee report records for the Regulatory Reports File.

[P] PP3102 - REGULATORY AUDIT/EXCEPTION STATE QUARTERLY UNEMPLOYMENT TAPE

Controls the audit/exception processing for State Quarterly Unemployment Tape employee detail records. In addition, it writes the State Quarterly Unemployment Tape employee report records for the Regulatory Reports File.

[P] PP3103 - REGULATORY AUDIT/EXCEPTION STATE 1099-R TAPE

Controls the audit/exception processing for State 1099-R Tape employee detail records. In addition, it writes the State 1099-R Tape employee report records for the Regulatory Reports File.

[P] PP3104 - REGULATORY AUDIT/EXCEPTION STATE QUARTERLY WAGE/TAX FORM

Controls the audit/exception processing for State Quarterly Wage/Tax Form employee detail records. In addition, it writes the State Quarterly Wage/Tax Form employee report records for the Regulatory Reports File.

[P] PP3105 - REGULATORY AUDIT/EXCEPTION STATE QUARTERLY WAGE/TAX FILE

Controls the audit/exception processing for State Quarterly Wage/Tax File employee detail records. In addition, it writes the State Quarterly Wage/Tax File employee report records for the Regulatory Reports File.

[P] PP3106 - REGULATORY AUDIT/EXCEPTION STATE MONTHLY WAGE/TAX FILE

Controls the audit/exception processing for State Monthly Wage/Tax File employee detail records. In addition, it writes the State Monthly Wage/Tax File employee report records for the Regulatory Reports File.

[P] PP3107 - REGULATORY AUDIT/EXCEPTION STATE QUARTERLY FLI FILE

Controls the audit/exception processing for State Quarterly Family Leave Insurance File employee detail records. In addition, it writes the State Quarterly Family Leave Insurance File employee report records for the Regulatory Reports File.

[P] PP3200 - REGULATORY AUDIT/EXCEPTION - T4 FORMS

Controls all of the processing for T4 Forms.

[P] PP3201 - REGULATORY AUDIT/EXCEPTION CANADIAN T4 TAPE

Controls the audit/exception processing for Canadian T4 Tape employee detail records. In addition, it writes the Canadian T4 Tape employee report records for the Regulatory Reports File.

[P] PP3202 - REGULATORY AUDIT/EXCEPTION CANADIAN T4A FORM

Controls the audit/exception processing for Canadian T4A Form employee detail records. In addition, it writes the Canadian T4A Form employee report records for the Regulatory Reports File.

[P] PP3203 - REGULATORY AUDIT/EXCEPTION CANADIAN T4A TAPE

Controls the audit/exception processing for Canadian T4A Tape employee detail records. In addition, it writes the Canadian T4A Tape employee report records for the Regulatory Reports File.

[P] PP3300 - REGULATORY AUDIT/EXCEPTION CANADIAN RELEVE 1 FORM

Controls the audit/exception processing for Canadian Releve 1 Form employee detail records. In addition, it writes the Canadian Releve 1 Form employee report records for the Regulatory Reports File.

[P] PP3301 - REGULATORY AUDIT/EXCEPTION CANADIAN RELEVE 2 FORM

Controls the audit/exception processing for Canadian Releve 2 Form employee detail records. In addition, it writes the Canadian Releve 2 Form employee report records for the Regulatory Reports File.

[P] PP3302 - REGULATORY AUDIT/EXCEPTION CANADIAN RELEVE 1 TAPE

Controls the audit/exception processing for Canadian Releve 1 Tape employee detail records. In addition, it writes the Canadian Releve 1 Tape employee report records for the Regulatory Reports File.

[P] PP3303 - REGULATORY AUDIT/EXCEPTION CANADIAN RELEVE 2 TAPE

Controls the audit/exception processing for Canadian Releve 2 Tape employee detail records. In addition, it writes the Canadian Releve 2 Tape employee report records for the Regulatory Reports File.

[P] PP3400 - REGULATORY AUDIT/EXCEPTION LOCAL W-2 TAPE

Controls the audit/exception processing for Local W-2 Tape employee detail records. In addition, it writes the Local W-2 Tape employee report records for the Regulatory Reports File.

[P] PP4Pnn - REGULATORY REPORT PRINT ROUTINES

Controls the write processing for regulatory report forms and tapes. Processing is handled in the following routines:

PP4P01 - Federal W-2, 1099 Forms
PP4P02 - Federal W-2 Files
PP4P04 - Federal 1099-R Files
PP4P10 - State W-2 Files
PP4P11 - Quarterly SIT Forms
PP4P12 - Quarterly Files
PP4P13 - State 1099-R Files
PP4P15 - SIT Files
PP4P17 - Quarterly Family Leave Insurance Files
PP4P21 - T4 Files
PP4P23 - T4A Files
PP4P33 - Releve 1 File
PP4P33 - Releve 2 File
PP4P40 - Local W-2 Files

[P] PP4RRM - REGULATORY REPORT RECORD MAPPING

Maps generated report record data to output formats specified by SRM001 transactions.

[P] PP40LE - REGULATORY REPORT PRINT LOAD AND EDIT

Controls the reading and editing of print request transactions (PRT001, PRT002) from instream or from the HRMS Tables File and creates the Unsorted Input Control File.

[P] PP40PS - REGULATORY REPORT PRINT - FORMS PRINT SEQUENCE

Controls the resorting of records for certain report IDs.

[P] PP4000 - REGULATORY REPORT PRINT PROCESSING - ROOT

Controls all of the print processing for creating regulatory forms and tapes. This program controls the calling of all other PP4000 programs.

[P] PP4001 - REGULATORY REPORT PRINT PROCESSING - W-2 FORMS

Controls all of the print processing for Federal W-2 FORMS

[P] PP4002 - REGULATORY REPORT PRINT PROCESSING - FEDERAL W-2 TAPES

Controls all of the print processing for Federal W-2 Tapes.

[P] PP4003 - REGULATORY REPORT PRINT PROCESSING - FEDERAL 1099-R FORMS

Controls all of the print processing for Federal 1099-R Forms.

[P] PP4004 - REGULATORY REPORT PRINT - FEDERAL 1099-R TAPES

Controls all of the print processing for Federal 1099-R Tapes.

[P] PP4007 - REGULATORY REPORT PRINT - PUERTO RICO W-2PR FORMS

Controls all of the print processing for Puerto Rico W-2PR Forms.

[P] PP4008 - REGULATORY AUDIT/EXCEPTION - FEDERAL PUERTO RICO W-2PR TAPE

Controls all of the print processing for Puerto Rico W-2PR Tapes.

[P] PP4100 - REGULATORY REPORT PRINT - STATE W-2 TAPES

Controls all of the print processing for State W-2 Tapes.

[P] PP4101 - REGULATORY REPORT PRINT - STATE QUARTERLY UNEMPLOYMENT FORMS

Controls all of the print processing for State Quarterly Unemployment Forms.

[P] PP4102 - REGULATORY REPORT PRINT - STATE QUARTERLY UNEMPLOYMENT TAPES

Controls all of the print processing for State Quarterly Unemployment Tapes.

[P] PP4103 - REGULATORY REPORT PRINT - STATE 1099-R TAPES

Controls all of the print processing for State 1099-R Tapes.

[P] PP4104 - REGULATORY REPORT PRINT - STATE QUARTERLY WAGE/TAX FORMS

Controls all of the print processing for State Quarterly Wage/Tax Forms.

[P] PP4105 - REGULATORY REPORT PRINT - STATE QUARTERLY WAGE/TAX FILES

Controls all of the print processing for State Quarterly Wage/Tax Files.

[P] PP4106 - REGULATORY REPORT PRINT - STATE MONTHLY WAGE/TAX FILES

Controls all of the print processing for State Monthly Wage/Tax Files.

[P] PP4107 - REGULATORY REPORT PRINT - STATE QUARTERLY FLI FILES

Controls all of the print processing for State Quarterly Family Leave Insurance Files.

[P] PP4200 - REGULATORY REPORT PRINT - CANADIAN T4 FORM

Controls all of the print processing for Canadian Releve T4 Forms.

[P] PP4201 - REGULATORY REPORT PRINT - CANADIAN T4 TAPE

Controls all of the print processing for Canadian Releve T4 Tapes.

[P] PP4202 - REGULATORY REPORT PRINT - CANADIAN T4A FORM

Controls all of the print processing for Canadian Releve T4A Forms.

[P] PP4203 - REGULATORY REPORT PRINT - CANADIAN T4A TAPE

Controls all of the print processing for Canadian Releve T4A Tapes.

[P] PP4300 - REGULATORY REPORT PRINT - CANADIAN RELEVE 1 FORM

Controls all of the print processing for Canadian Releve 1 Forms.

[P] PP4301 - REGULATORY REPORT PRINT - CANADIAN RELEVE 2 FORM

Controls all of the print processing for Canadian Releve 2 Forms.

[P] PP4302 - REGULATORY REPORT PRINT - CANADIAN RELEVE 1 TAPE

Controls all of the print processing for Canadian Releve 1 Tapes.

[P] PP4303 - REGULATORY REPORT PRINT - CANADIAN RELEVE 2 TAPE

Controls all of the print processing for Canadian Releve 2 Tapes.

[P] PP4400 - REGULATORY REPORT PRINT - LOCAL W-2 TAPE

Controls all of the print processing for Local W-2 Tapes.

[P] PP4500 - REGULATORY REPORT PRINT - SPLIT PENNSYLVANIA W-2 TAPE

Controls the split processing for Pennsylvania W-2 Tapes.

[P] PP5000 - REGULATORY REPORT PRINT PROCESSING - ROOT

Controls all of the print processing for creating regulatory forms and tapes. This program controls the calling of all other PP4000 programs.

[P] PP5500 - LABOR DISTRIBUTION ROOT CONTROL PROGRAM

Controls the processing cycle for Labor Distribution.

[P] PP6000 - Regulatory Reporting - XML Formatting Utility

[P] PP6001 - Regulatory Reporting - XML Formatting Utility

[P] PP6002 - Regulatory Reporting - XML Formatting Utility

[P] PP6003 - Regulatory Reporting - XML Formatting Utility

[P] PP6004 - Regulatory Reporting - XML Formatting Utility

[P] PP6DMP - Regulatory Reporting - XML Formatting Utility

[P] PP6INP - Regulatory Reporting - XML Formatting Utility

[0] PP9ASI - AUDIT SOURCE INSTALLATION

Controls production of the client-site installation audit report.

[M] PRP40M - EDIT PERSONNEL REPORT GENERATOR OVERRIDES

Edits all override control transactions and builds the override Control Transaction file.

[0] PRT900 - SPOOL EMPLOYEE MASTER EXCEPTION REPORT

[M] PRU40M - LOAD PERSONNEL REPORT GENERATOR OVERRIDES

Takes all override control transactions for a specific report file extract series run and builds a control file with sort key.

[P] PSC040 - PWC040 FILE SORT

Sorts file PWC010 and PWC030 to produce file PWC040.

[P] PSG030 - PWG030 FILE SORT

Sorts file PSG400 to produce file PWG030.

[P] PSG150 - PWG150 FILE SORT

Sorts file PSG080 to produce file PWG150.

[P] PSG190 - PWG190 FILE SORT

Sorts file PSG190 to produce file PWG190.

[P] PSH050 - PBH050 FILE SORT

Sorts file PBH04S to produce file PBH050.

[P] PSH090 - PBH090 FILE SORT

Sorts file PBH08S to produce file PBH090.

[P] PSH130 - PBH130 FILE SORT

Sorts file PBH12S to produce file PBH130.

[P] PSL040 - PWL040 FILE SORT

Reformats and sorts file PWL030 to produce file PWL040.

[P] PSL080 - PWL080 FILE SORT

Sorts file PWL070 to produce file PWL080.

[P] PSL150 - PWL150 FILE SORT

Sorts file PWL120 to produce file PWL150.

[P] PSP040 - PWP040 FILE SORT

Sorts file PWP050 to produce file PWP040.

[P] PSR040 - PWR040 FILE SORT

Sorts file PWR010 to produce file PWR040.

[P] PSV170 - PWV170 FILE SORT

Sorts file PWV160 to produce file PWR040.

[P] PSX120 - PWX120 FILE SORT

Sorts file PWX110 to produce file PWX120.

[P] PSX190 - PWX190 FILE SORT

Sorts file PWX180 to produce file PWX190.

[P] PS10IC - REGULATORY REPORT GENERATE - INPUT CONTROL LOAD AND SORT

Uses Regulatory Generate control and request data from PW1ICT and/or the HRMS Tables File and produces the PW10IC file input to Regulatory Report Generate input control load and edit.

[P] P1PEXT - PAYROLL REPORTING DETAIL FILE EXTRACT

Extracts all the master records for the organizations specified from the Payroll Reporting Detail File. Creates a "run" Payroll Reporting Detail File containing only the organizations to be processed.

[P] P1P43M - MERGE CHECK REVERSAL DETAIL

Creates a complete Updated Check Reversal Detail File which is used by program P1P45M to update the Check Reversal Master File.

[P] P1P45M - UPDATE CHECK REVERSAL MASTER

Sorts input control and request transactions. Updates or creates the Check Reversal Master File. Purges the Check Reversal Master File. Creates Check Reversal transactions. Prints a Check Reversal File Maintenance Update report.

[P] P1P50M - SELECT DATA FOR EARNINGS HISTORY

Selects the Payroll Register records from the sorted reports file and writes the selected records in a work file.

[P] P1P65M - CHECK RECONCILIATION - EDIT TRANSACTIONS

Reads and edits six different types of transactions.

[P] P1P67M - CHECK RECONCILIATION - MASTER FILE UPDATE

Updates the Check Reconciliation Master File from the Check Reconciliation Detail File and the Edited Check Reconciliation Transactions File.

[P] P1P69M - CHECK RECONCILIATION - WRITE REPORTS

Prints twelve Check reconciliation reports and produces the check clearance records for the checks added this run.

[P] P1P70M - UPDATE EARNINGS HISTORY MASTER

Merges the Earnings History Details File and the previous Earnings History Master File and writes an updated Earnings History Master File.

[P] P1P72M - WRITE EARNINGS HISTORY REPORTS

Prints the Payroll Register from the Earnings History Master File showing all transactions which occurred for each employee during the quarter.

[P] P1P93M - PRINT BILLING INVOICES

Prints customer invoices from billing records.

[P] P1P97M - INITIALIZE SUBSYSTEM MASTER FILES

During conversion, generates Check Reconciliation and Earnings History master file trailer records in all files requiring them.

[P] P1P99M - EMPLOYEE TRANSFERS

Prepares system transactions for use in transferring employees from one level 1-level 2 to another.

I.E. Logical Interface Modules

[0] PPSSEC - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

[0] PPS1CA - LOGICAL INTERFACE MODULE

Used for building logical records from the physical master file segments and HRMS Tables File and passing them to I.E.

[0] PPS1D1 - LOGICAL INTERFACE MODULE

Used for building logical records from the HRHPLAN dataframe from the physical master file segments and passing them to I.E.

[0] PPS1D3 - LOGICAL INTERFACE MODULE

Used for building logical records from the HRADDR dataframe from the physical master file segments and passing them to I.E.

[0] PPS1XA - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats earnings/hours accumulator physical records from the Employee Master File (PW010). Passes the logical records to Information Expert.

[0] PPS1XB - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats deferred and non-deferred benefit plan physical records from the Employee Master File (PWP010). Passes the logical records to Information Expert.

[0] PPS10A - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10B - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10C - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10D - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10E - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10F - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10G - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10H - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10I - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10J - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS10K - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS100 - EMPLOYEE MASTER LOGICAL INTERFACE MODULE

Reads and reformats a physical record from either the Employee Master File (PWP010) or the Payroll Reporting Detail File (PWR060). Passes the logical records to Information Expert.

[0] PPS2CA - LOGICAL INTERFACE MODULE

Used for building logical records from the physical master file segments and the HRMS Tables File and passing them to I.E.

[0] PPS2D4 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRHPORG dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2D5 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRDEPREL dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2D6 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRDEPSTA dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2D7 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRHPSTAT dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2D8 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRHPCOVG dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2D9 - LOGICAL INTERFACE MODULE

Logical interface module used for building logical records for the HRCNTRY dataframe from the HRMS Tables File and passing them to I.E.

[0] PPS2JA - HRMS TABLES FILE LOGICAL INTERFACE MODULE - MP1 APPLICATION

Reads and reformats a physical record from the Position Control Position Salary Specification (MP1) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[0] PPS2JB - HRMS TABLES FILE LOGICAL INTERFACE MODULE - MP2 APPLICATION

Reads and reformats a physical record from the Position Control Position Salary Specification (MP2) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[M] PPS2MA - HRMS TABLES FILE LOGICAL INTERFACE MODULE - MCT APPLICATION

Reads and reformats a physical record from the Personnel (MCT) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[P] PPS2PA - HRMS TABLES FILE LOGICAL INTERFACE MODULE - PDE APPLICATION

Reads and reformats a physical record from the Organization DOEs (PDE) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[P] PPS2PH - HRMS TABLES FILE LOGICAL INTERFACE MODULE - DOE-SPH

Logical interface module used for building logical records from HRMS Tables File and passing them to Information Expert, used for dataframe HRORGSPH.

[P] PPS2PS - HRMS TABLES FILE LOGICAL INTERFACE MODULE - DOE-STP

Logical interface module used for building logical records from HRMS Tables File and passing them to Information Expert, used for dataframe HRORGSTP.

[P] PPS2PT - HRMS TABLES FILE LOGICAL INTERFACE MODULE - DOE-TAB

Logical interface module used for building logical records from HRMS Tables File and passing them to Information Expert, used for dataframe HRORGTAB.

[U] PPS2UA - HRMS TABLES FILE LOGICAL INTERFACE MODULE - MU0 APPLICATION

Reads and reformats a physical record from the Labor Relations (MU0) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[X] PPS2XC- HRMS TABLES FILE LOGICAL INTERFACE MODULE - MXO APPLICATION

Reads and reformats a physical record from the Benefits (MXO) application of the HRMS Tables File (PWV010). Passes the logical records to Information Expert.

[J] PPS3JC- POSITION CONTROL LOGICAL INTERFACE MODULE

Reads and reformats Position Control organization, header, detail, or trailer physical records from the Position Control Master File (PWJ010). Passes the logical records to Information Expert.

[J] PPS3JD - POSITION CONTROL LOGICAL INTERFACE MODULE

Reads and reformats Position Control organization physical records from the Position Control Master File (PWJ010). Passes the logical records to Information Expert.

[J] PPS3JE - POSITION CONTROL LOGICAL INTERFACE MODULE

Reads and reformats Position Control header physical records from the Position Control Master File (PWJ010). Passes the logical records to Information Expert.

[J] PPS3JF - POSITION CONTROL LOGICAL INTERFACE MODULE

Reads and reformats Position Control detail physical records from the Position Control Master File (PWJ010). Passes the logical records to Information Expert.

[J] PPS3JG - POSITION CONTROL AUDIT DATABASE LOGICAL INTERFACE MODULE

Reads and reformats Position Control physical records from the Position Control Master File (PWJ010). Passes the logical records to Information Expert.

[P] PPS5PA- SELECTED EMPLOYEES FILE AND CHECK DETAIL FILE LOGICAL INTERFACE MODULE

Reads and reformats Online Check Calculation physical records from the Selected Employees File (PWQ500) and Check Detail File (PWQ510). Passes the logical records to Information Expert.

Online Programs

[0] PPOREL - HCM E SERIES PRODUCT RELEASE LEVEL

Provides the product release level of the HCM:E system for the DCI Product Release Inquiry screen.

[0] PPO005 - MENU SCREEN - STATUS PHASE I MENU HOUSEKEEPING

Clears the system messages field.

[0] PPO020 - TRANSACTION INQUIRY/UPDATE FUNCTION SCREEN - STATUS PHASE I

Displays specific employee or organization records from the Transaction File or from the Selected Transaction File.

[0] PPO030 - TRANSACTION INQUIRY/UPDATE FUNCTION SCREEN - STATUS PHASE II

Accepts information concerning function and file selection, displays key data from the Transaction File or the Selected Transaction File.

[0] PPO050 - ALPHA & SSN SEARCH TIE-BREAKER SCREEN-STATUS PHASE I

[0] PPO055 - ALPHA & SSN SEARCH TIE-BREAKER SCREEN-STATUS PHASE II

[0] PPO100 - EMPLOYEE MASTER INQUIRY

Reads the inquiry table records and accesses the Employee Master segments which are defined in the table.

[0] PPO110 - TRANSACTION INQUIRY - STATUS PHASE I

Determines the data fields which are entered through transaction inquiry/update to display the transaction data fields on the original screen.

[0] PPO13S - I/O MODULE - SCREEN GENERATOR

Accesses PKO130 - Generated Edit Program File.

[0] PPO14S - SCREEN GENERATOR

Called by PPO600 to build a screen edit program.

[0] PPO150 - TRANSACTION ENTRY AND TRANSACTION INQUIRY/UPDATE COMBINED SCREEN DRIVER - STATUS PHASE I

Performs combination screen driver functions for both transaction entry and transaction inquiry/update for inquiry or combination screens.

[0] PPO160 - TRANSACTION ENTRY AND TRANSACTION INQUIRY/UPDATE ENTRY SCREEN DRIVER

Performs entry screen driver functions for both transaction entry and transaction inquiry/update for entry only screens.

[0] PPO2NA - SCREEN EDIT PROGRAM - STATUS PHASE I

Transaction pre-edits. Called by every entry screen edit program.

[0] PPO2NB - SCREEN EDIT PROGRAM - STATUS PHASE II

Transaction post-edits. Called by every entry screen edit program.

[0] PPO21F - SEARCH FOR HIGH KEY - PKO210

[0] PPO6AR - I/O MODULE - MVS ONLY

Accesses PFO610 - Control Tape File for PPO610 input.

[0] PPO6AS - I/O MODULE

Accesses PFO610 - Control Card File for PPO610 input.

[0] PPO6CV - I/O MODULE

Accesses PWO610 - Work File of DCI Transactions (80-bytes).

[0] PPO6DM - I/O MODULE

Accesses PWO611 - DCI Backup File.

[0] PPO600 - SCREEN GENERATOR

Generates screens and programs to process those screens. It also modifies or deletes screens.

[0] PPO601 - SCREEN GENERATOR

Performs Benefits edits during screen generation.

[0] PPO61V - I/O MODULE

Prints PRO600 - Screen Generation Report.

[0] PPO610 - PKO120 DCI FILE MAINTENANCE AND UTILITY

Maintains the PKO120 DCI File.

[0] PPO615 - SCREEN GENERATOR

Controls screen parameters read.

[0] PPO62M - I/O MODULE

Accesses PWO620 - Generated Entry Program Work file.

[0] PPO630 - ENTRY PROGRAM FILE (PKO1300 POST-GENERATION PROGRAM SELECTOR

Selects generated programs from the PKO130 file and writes them to a work file used as input to the COBOL compiler.

[0] PPO650 - ONLINE INITIALIZE PKO110 FILE

Initializes the PKO110 file with a dummy record.

[0] PPO660 - EXTENDED PRODUCT SECURITY UPDATE

Updates the LKPDSEC file with extended product security online operator transactions.

[0] PPO67V - I/O MODULE

Accesses PKO15I0 - Skeleton Program File.

[0] PPO670 - EXTENDED PRODUCT SECURITY PRINT

Prints the extended product security online operator information from the LKPDSEC file.

[0] PPO680 - EXTENDED PRODUCT SECURITY AUDIT TRAIL LOAD

Reads and edits the run control transaction, adds a key to the Extended Product Security File audit record, and then writes this record to a sequential file. This sequential file is then sorted in sequence depending on the run control data.

[0] PPO690 - EXTENDED PRODUCT SECURITY AUDIT TRAIL PROCESS

Reads the sorted file from PPO680 and prints the Run Control Audit Trail report. PPO690 is the root program for the Extended Product Security Audit Trail reports.

[0] PPO710 - ONLINE TRANSACTION SELECTION

Initiates the release-for-processing procedure by selecting transactions for release based on parameters entered.

[0] PPO720 - ONLINE TRANSACTION REFORMAT

Reads the Selected Transaction File and reformats records to the format required by the SORT after Transaction Load (PLO200).

[0] PPO730 - ONLINE SELECT FILE RELOAD PROGRAM

Restores the selected transactions from PKO740 to PKO210, Pending Transaction File.

[0] PPO74S - I/O MODULE

Accesses PKO740 - Backup of Selected Transaction File.

[0] PPO74V - I/O MODULE

Accesses PKO740 - Backup of Selected Transaction File.

[0] PPO75V - I/O MODULE

Accesses PKO751 - Formatted Release-for-Processing Selected Transactions.

[0] PPO790 - RELEASE-FOR-PROCESSING USER EXIT CALLED BY PPO720

Provides a skeleton program structure within which users may provide source code for transaction analysis.

EDIT PROGRAMS

The following programs edit Payroll/Personnel transactions that were entered on a screen. These programs are generated by the Screen Generator program (PPO600).

[0] GENERAL			
PPO297	PPO210		
[C] CANADIAN			
PPO208	PPO209	PPO229	PPO230
PPO231	PPO232	PPO233	PPO237
PPO238	PPO239	PPO293	PPO324
PPO339			
[P] PAYROLL			
PPO211	PPO212	PPO213	PPO216
PPO217	PPO218	PPO227	PPO236
PPO240	PPO241	PPO243	PPO244
PPO245	PPO246	PPO247	PPO248
PPO251	PPO260	PPO280	PPO294
PPO295	PPO328	PPO928	PPO929
PPO930	PPO931	PPO940	PPO975
[M] PERSONNEL			
PPO215	PPO281	PPO282	PPO283
PPO284	PPO285	PPO289	PPO290
PPO291	PPO292		
[X] BENEFITS			
PPO310	PPO311	PPO312	PPO315
PPO316	PPO317	PPO318	PPO319
PPO320	PPO322	PPO323	

Realtime Employee Master File

[J] PPJIOP - AUDIT DATABASE - POSITION CONTROL MASTER FILE - HRMS TABLES FILE I/O PROGRAM

Reads, inserts, modifies, and deletes Position Control Audit Database records created during Position Control Realtime updates. Reads, inserts, modifies, and deletes Position Control Master File records and HRMS Tables File records.

[J] PPJPNS - POSITION NUMBER SHIFT

Assembler program. Shifts the Position Control position number to the right before displaying on screen. Can be turned off or on.

[J] PPJSFE - SCREEN FORMAT/EDIT ROUTINES

Checks Position Control action field, formats program area, edits screen fields, and formats record area.

[J] PPJ01I - INQUIRE ORGANIZATION DATA

Reads the Position Control Master File to retrieve organization title, subtitle, and update employee position data option and reads the Employee Master File to retrieve the position assignment option for the organization specified. Formats the data and displays it on Realtime Screen 601.

[J] PPJJ01U - UPDATE ORGANIZATION DATA

Retrieves the organization data from Realtime Screen 601. If changes were made by the terminal operator, the data is edited and the Position Control Master File and/or the Employee Master File is updated.

[J] PPJS02I - INQUIRE ORGANIZATION REPORT OPTIONS AND CONTROLS

Reads the Position Control Master File to retrieve the report options and controls for the organization specified. Formats the data and displays it on Realtime Screen 602.

[J] PPJS2U - UPDATE ORGANIZATION REPORT OPTIONS AND CONTROLS

Retrieves the organization report options and controls from Realtime Screen 602. If changes were made by the terminal operator, the data is edited and the Position Control Master File and/or the Employee Master File is updated.

[J] PPJ03I - INQUIRE ORGANIZATION SPECIFIC REPORT OPTIONS

Reads the Position Control Master File to retrieve specific report options and controls for the Detail Description report, Position Status report, and Wage and Salary report for the organization specified. Formats the data and displays it on Realtime Screen 603.

[J] PPJ03U - UPDATE ORGANIZATION SPECIFIC REPORT OPTIONS

Retrieves the specific organization report options from Realtime Screen 603. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ04I - INQUIRE ORGANIZATION USER DATA

Reads the Position Control Master File to retrieve the organization user-defined data area for the organization specified. Formats the data and displays it on Realtime Screen 604.

[J] PPJ04U - UPDATE ORGANIZATION USER DATA

Retrieves the organization user-defined data from Realtime Screen 604. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ05I - INQUIRE POSITION HEADER DATA

Reads the Position Control Master File to retrieve the Position Header data for the position number specified. Formats the data and displays it on Realtime Screen 605.

[J] PPJ05U - UPDATE POSITION HEADER DATA

Retrieves the Position Header data from Realtime Screen 605. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ06I - INQUIRE POSITION SKILLS DATA

Reads the Position Control Master File to retrieve the Position Skills data for the position number specified. Formats the data and displays it on Realtime Screen 606.

[J] PPJ06U - UPDATE POSITION SKILLS DATA

Retrieves the Position Skills data from Realtime Screen 606. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ07I - INQUIRE POSITION REQUIREMENTS DATA

Reads the Position Control Master File to retrieve the Position Requirements data for the position number specified. Formats the data and displays it on Realtime Screen 607.

[J] PPJ07U - UPDATE POSITION REQUIREMENTS DATA

Retrieves the Position Requirements data from Realtime Screen 607. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ08I - INQUIRE POSITION HEADER USER DATA

Reads the Position Control Master File to retrieve the Position Header User-defined data area for the position number specified. Formats the data and displays it on Realtime Screen 608.

[J] PPJ08U - UPDATE POSITION HEADER USER DATA

Retrieves the Position Header User-defined data from Realtime Screen 608. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ10I - INQUIRE POSITION DETAIL DATA

Reads the Position Control Master File to retrieve the Position Detail data for the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 610.

[J] PPJ10U - UPDATE POSITION DETAIL DATA

Retrieves the Position Detail data from Realtime Screen 610. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ11I - INQUIRE POSITION DETAIL SALARY DATA

Reads the Position Control Master File to retrieve the Position Detail Salary data from the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 611.

[J] PPJ11U - UPDATE POSITION DETAIL SALARY DATA

Retrieves the Position Detail Salary data from Realtime Screen 611. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ12I - INQUIRE POSITION DETAIL ORGANIZATION SPLIT DATA

Reads the Position Control Master File to retrieve the Position Detail Organization Split data for the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 612.

[J] PPJ12U - UPDATE POSITION DETAIL ORGANIZATION SPLIT DATA VALUE

Retrieves the Position Detail Organization Split data from Realtime Screen 612. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ13I - INQUIRE POSITION DETAIL EVALUATION POINTS

Reads the Position Control Master File to retrieve the Position Detail Evaluation Points for the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 613.

[J] PPJ13U - UPDATE POSITION DETAIL EVALUATION POINTS

Retrieves the Position Detail Evaluation Points from Realtime Screen 613. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ14I - INQUIRE CURRENT POSITION STATUS

Reads the Position Control Master File to retrieve the Position Detail data to display the Current Status for the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 614.

[J] PPJ14U - INQUIRE CURRENT POSITION STATUS

Retrieves any commands entered in the ACTION field on Position Control Realtime Screen 614. If any of the commands entered are invalid, then the error messages are formatted and displayed. Realtime Screen 614 is inquiry only.

[J] PPJ15I - INQUIRE POSITION DETAIL USER DATA

Reads the Position Control Master File to retrieve the Position Detail User-defined data area for the position number and multiple position number specified. Formats the data and displays it on Realtime Screen 615.

[J] PPJ15U - UPDATE POSITION DETAIL USER DATA

Retrieves the Position Detail User-defined data from Realtime Screen 615. If changes were made by the terminal operator, the data is edited and the Position Control Master File is updated.

[J] PPJ2PC - UPDATE POSITION CONTROL MASTER FILE

Updates the Position Control Master File based on changes made to employee status or employee salary (Realtime Screen 220) or employee name (Realtime Screen 221).

[J] PPJ20I - INQUIRE POSITION NARRATIVE DATA

Reads the HRMS Tables File to retrieve the Position Control Position Narrative for the position number specified. Formats the data and displays it on Realtime Screen 620.

[J] PPJ20U - UPDATE POSITION NARRATIVE DATA

Retrieves the Position Narrative data from Position Control Realtime Screen 620. If changes were made by the terminal operator, the data is edited and the HRMS Tables File is updated.

[J] PPJ21I - INQUIRE SALARY SPECIFICATION DATA

Reads the HRMS Tables File to retrieve the Position Control Salary Specification data for the salary specification number specified. Formats the data and displays it on Realtime Screen 621.

[J] PPJ21U - UPDATE SALARY SPECIFICATION DATA

Retrieves the Salary Specification data from Position Control Realtime Screen 621. If changes were made by the terminal operator, the data is edited and the HRMS Tables File is updated.

[J] PPJ22I - INQUIRE CHANGE SALARY SPECIFICATION DATA

Formats Position Control Realtime Screen 622 to display input fields used to change a Salary Specification for an organization.

[J] PPJ22U - UPDATE CHANGE SALARY SPECIFICATION DATA

Retrieves the Position Control Salary Specification code, type of change, and percent change from Realtime Screen 622. The data is edited and the HRMS Tables File is updated.

[J] PPJ28I - INQUIRE EMPLOYEE POSITION ASSIGNMENT/REMOVAL DATA

Reads the Employee Master File to retrieve the employee position data for the employee number specified. Formats the data and displays it on Realtime Screen 228.

[J] PPJ28U - UPDATE EMPLOYEE POSITION ASSIGNMENT/REMOVAL DATA

Retrieves the position assignment/removal data from Realtime Screen 228. If the employee is assigned to a position or removed from a position, the data is edited and the Employee Master File and the Position Control Master File are updated.

[J] PPJ29I - INQUIRE EMPLOYEE LEVEL POSITION DATA

Reads the Employee Master File to retrieve the employee position data for the employee number specified. Formats the data and displays it on Realtime Screen 229.

[J] PPJ29U - UPDATE EMPLOYEE LEVEL POSITION DATA VALUE

Retrieves the Employee Position data from Realtime Screen 229. If changes were made by the terminal operator, the data is edited and the Employee Master File and/or the Position Control Master File are updated.

[J] PPJ600 - POSITION CONTROL RECOVERY LOAD

Reads and validates the Position Control recovery transaction, PCRECOV. Selects records from the Position Control Audit Database, PWJ600, based on parameters entered on the recovery transaction. Writes selected records to a temporary sort file, PWJ610, to be used in the recovery process program, PPJ610.

[J] PPJ610 - POSITION CONTROL RECOVERY PROCESS

Performs forward or backward recovery for the Position Control Master File, PWJ010, and/or the Position Control applications on the HRMS Tables File, PWV010. Processes the records selected during the load process in PPJ600.

[J] PPJ620 - POSITION CONTROL AUDIT DATABASE UTILITY

Reads and validates the audit utility transaction, PCAUDIT. Performs four utility functions for the Position Control Audit Database, PWJ600: create, initial, backup, restore, or purge audit database records.

[J] PPJ630 - EMPLOYEE POSITION DATA UPDATE LOAD

Reads and validates the PQ control transaction. Selects records from the Position Control Audit Database, PWJ600, containing common Position Control fields maintained in an employee record. Creates an Employee Position Data Generated File, PwJ630, used during the Process program, PPJ640.

[J] PPJ640 - EMPLOYEE POSITION DATA UPDATE PROCESS

Performs updates to employee position data in the Employee Master File based on the records contained in the Employee Position Data Generated File, PWJ630. Prints a report containing before/after images of changed fields for processed employees.

[Q] PPQCCM - ONLINE CHECK CALCULATION FILE MAINTENANCE

Purges records from the Selected Employees File and the Check Detail File.

[Q] PPQCL2 - ONLINE CHECK CALCULATION CICS FILE CLOSE

This CICS macro level assembler program closes the Online Check Calculation files.

[Q] PPQCMA - ONLINE CHECK CALCULATION AUDIT FILE MAINTENANCE

Purges check records from the Audit Database.

[Q] PPQFPL - ONLINE CHECK CALCULATION FORMAT PRINT LINES PROGRAM

Formats check records from the Audit Database.

[Q] PPQFRC - ONLINE CHECK CALCULATION FORMAT PROGRAM

Formats adjustment transactions to the PKO210 file.

[Q] PPQOP2 - ONLINE CHECK CALCULATION CICS FILE OPEN

This CICS macro level assembler program opens the Online Check Calculation files.

[Q] PPQPRT - ONLINE CHECK CALCULATION PRINT TRANSACTION

This CICS command level COBOL program prints the check records.

[Q] PPQXC2 - ONLINE CHECK CALCULATION START CICS PRINT TRANSACTION

This CICS command level COBOL program starts the CICS print transaction (PPQPRT).

[0] PPO0A5 - FORMAT SCREEN DATA FIELDS

Places underscores in blank data fields on Realtime Screens.

[M] PPQ01I - INQUIRE EMERGENCY NOTIFICATION INFORMATION

Reads the Employee Master to retrieve emergency notification information for the employee number and organization specified. Formats the data and displays it on Screen 201.

[M] PPQ01U - INQUIRE EMPLOYEE FAMILY DATA

Retrieves emergency notification information from Screen 201. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ02I - INQUIRE EMPLOYEE FAMILY DATA

Reads the Employee Master to retrieve family data for the employee number and organization specified. Formats the data and displays it on Screen 202.

[M] PPQ02U - UPDATE EMPLOYEE FAMILY DATA

Retrieves family data from Screen 202. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ03I - INQUIRE EMPLOYEE EDUCATION INFORMATION

Reads the Employee Master to retrieve education data for the employee number and organization specified. Formats the data and displays it on Screen 203.

[M] PPQ03U - UPDATE EMPLOYEE EDUCATION INFORMATION

Retrieves education data from Screen 203. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ04I - INQUIRE EMPLOYEE CAREER PLANNING DATA

Reads the Employee Master to retrieve career planning data for the employee number and organization specified. Formats the data and displays it on Screen 204.

[M] PPQ04U - UPDATE EMPLOYEE CAREER PLANNING DATA

Retrieves career planning data from Screen 204. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ05I - INQUIRE EMPLOYEE SKILLS DATA

Reads the Employee Master to retrieve skills data for the employee number and organization specified. Formats the data and displays it on Screen 205.

[M] PPQ05U - UPDATE EMPLOYEE SKILLS DATA

Retrieves employee skills data from Screen 205. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ06I - INQUIRE EMPLOYEE BASIC BENEFITS INFORMATION

Reads the Employee Master to retrieve basic benefits information for the employee number and organization specified. Formats the data and displays it on Screen 206. (Note: This program does not retrieve Benefits module information.)

[M] PPQ06U - UPDATE EMPLOYEE BASIC BENEFITS INFORMATION

Retrieves basic Benefits information from Screen 206. If changes were made by the terminal operator, the data is edited and the Employee Master is updated. (Note: This program does not retrieve Benefits module information.)

[M] PPQ07I - INQUIRE EMPLOYEE PHYSICAL DATA

Reads the Employee Master to retrieve physical and injury data for the employee number and organization specified. Formats the data and displays it on Screen 207.

[M] PPQ07U - UPDATE EMPLOYEE PHYSICAL DATA

Retrieves physical and injury data from Screen 207. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ08I - INQUIRE EMPLOYEE SERVICE DATA

Reads the Employee Master to retrieve service data for the employee number and organization specified. Formats the data and displays it on Screen 208.

[M] PPQ08U - UPDATE EMPLOYEE SERVICE DATA

Retrieves service data from Screen 208. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ09I - INQUIRE PERSONAL INFORMATION CHANGE

Reads the Employee Master to retrieve personal information for the employee number and organization specified. Formats the data and displays it on Screen 209.

[M] PPQ09U - UPDATE PERSONAL INFORMATION CHANGE

Retrieves personal information from Screen 209. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ10I - INQUIRE PERFORMANCE REVIEW DATA

Reads the Employee Master to retrieve performance review data for the employee number and organization specified. Formats the data and displays it on Screen 210.

[M] PPQ10U - UPDATE PERFORMANCE REVIEW DATA

Retrieves performance review data from Screen 210. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[Q] PPQ100 - PRODUCE AUDIT TRAIL

[M] PPQ11I - INQUIRE SALARY REVIEW DATA

Reads the Employee Master to retrieve salary review data for the employee number and organization specified. Formats the data and displays it on Screen 211.

[M] PPQ11U - UPDATE SALARY REVIEW DATA

Retrieves salary review data from Screen 211. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ12I - INQUIRE EMPLOYEE ORGANIZATION PROPERTY DATA

Reads the Employee Master to retrieve organization property data for the employee number and organization specified. Formats the data and displays it on Screen 212.

[M] PPQ12U - UPDATE EMPLOYEE ORGANIZATION PROPERTY DATA

Retrieves organization property data from Screen 212. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ13I - INQUIRE EMPLOYEE EEO/AAP INFORMATION

Reads the Employee Master to retrieve employee EEO/AAP information for the employee number and organization specified. Formats the data and displays it on Screen 213.

[M] PPQ13U - UPDATE EMPLOYEE EEO/AAP INFORMATION

Retrieves employee EEO/AAP information from Screen 213. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ14I - INQUIRE U.S. EMPLOYEE TAX INFORMATION

Reads the Employee Master to retrieve U.S. employee tax information for the employee number and organization specified. Formats the data and displays it on Screen 214.

[M] PPQ14U - UPDATE U.S. EMPLOYEE TAX INFORMATION

Retrieves U.S. employee tax information from Screen 214. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[M] PPQ15I - INQUIRE MILITARY DATA

Reads the Employee Master to retrieve military data for the employee number and organization specified. Formats the data and displays it on Screen 215.

[M] PPQ15U - UPDATE MILITARY DATA

Retrieves military data from Screen 215. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[P] PPQ16I - INQUIRE DOE DATA

Reads the Employee Master File and HRMS Tables File to retrieve DOE data for the employee number and organization specified. Formats the data and displays it on Screen 216.

[P] PPQ16U - DOE SELECTION AND EMPLOYEE DOE UPDATE

Retrieves DOE data from Screen 216. If a valid DOE code was selected, control is transferred to Screen 217 (Employee DOE Maintenance) or Screen 225 (Add DOE for Employee).

Retrieves DOE data from Screen 217. If changes were made by the terminal operator, the data is edited and the Employee Master is updated.

[P] PPQ17I - INQUIRE EMPLOYEE DOE DATA

Reads the Employee Master File to retrieve employee DOE data for the employee number and organization specified. Formats the data and displays it on Screen 217.

[P] PPQ18I - NEW EMPLOYEE INQUIRY

Reads the Employee Master File to retrieve new employee information for the employee number and organization specified. Formats, highlights, and displays the required fields on Screen 218.

[P] PPQ18U - NEW EMPLOYEE EDIT

Retrieves new employee information from Screen 218. If changes were made by the terminal operator, the data is edited and control is transferred to Screen 219 (if you are adding an employee to a U.S. organization) or Screen 227 (if you are adding an employee to a Canadian organization).

[P] PPQ19I - NEW U.S. EMPLOYEE TAXING OPTIONS - FORMAT SCREEN

Formats default values for new U.S. employee payroll taxing information for the employee number and organization specified and displays it on Screen 219.

[P] PPQ19U - UPDATE NEW U.S. EMPLOYEE TAXING OPTIONS

Retrieves new U.S. employee payroll taxing information from Screen 219. Retrieves the data entered on Screen 218. Updates the Employee Master with new U.S. employee information.

[P] PPQ20I - INQUIRE EMPLOYEE PAYROLL DATA

Reads the Employee Master to retrieve the following information for the employee number and organization specified:

Employee Salary Maintenance	Screen 220
Employee Basic Information	Screen 221
Employee Location Maintenance	Screen 222
Employee Employment/Termination	Screen 223

[P] PPQ20U - UPDATE EMPLOYEE PAYROLL DATA

Retrieves information shown below from the corresponding screen. If changes were made by the terminal operator, edits the data and updates the Employee Master.

Employee Salary Maintenance	Screen 220
Employee Basic Information	Screen 221
Employee Location Maintenance	Screen 222
Employee Employment/Termination	Screen 223

[Q] PPQ200 - BACKUP AUDIT DATABASE

[P] PPQ24I - INQUIRE EMPLOYEE BANK SERVICES/1099/W-2 DATA

Reads the Employee Master to retrieve ACH or bank services information for the organization and employee number specified. Reads the HRMS Tables File for Bank/Branch code translations. The information is displayed on Screen 224.

[P] PPQ24U - UPDATE EMPLOYEE BANK SERVICES/1099/W-2 DATA

Retrieves ACH/bank services information from Screen 224. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[P] PPQ25I - EMPLOYEE DOE ADD - FORMAT SCREEN

Formats default organization DOE data for the DOE specified and displays the data on Screen 225.

[P] PPQ25U - EMPLOYEE DOE ADD

Retrieves DOE data from Screen 225. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[C] PPQ26I - INQUIRE CANADIAN EMPLOYEE TAX INFORMATION

Reads the Employee Master File to retrieve tax information for the Canadian employee number and organization specified. Formats the data and displays it on Screen 226.

[C] PPQ26U - UPDATE CANADIAN EMPLOYEE TAX INFORMATION

Retrieves Canadian employee tax information from Screen 226. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[C] PPQ27I - NEW CANADIAN EMPLOYEE TAXING OPTIONS - FORMAT SCREEN

Formats and displays Screen 227 for entering taxing options for a new Canadian employee.

[C] PPQ27U - UPDATE NEW CANADIAN EMPLOYEE

Retrieves and edits new Canadian employee tax information from Screen 227. Retrieves data entered on Screen 218. Updates Employee Master with new Canadian employee information.

[M] PPQ30I - INQUIRE EMPLOYEE USER/EEA DATES

Reads the Employee Master File to retrieve employee User/EEA date information for the employee number and organization specified. Formats the data and displays it on Screen 230.

[M] PPQ30U - UPDATE EMPLOYEE USER/EEA DATES

Retrieves User/EEA date information from Screen 230. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[M] PPQ31I - INQUIRE CANADIAN EMPLOYEE EEA DATA

Reads the Employee Master File and HRMS Tables File to retrieve employee EEA information for the employee number and organization specified. Formats the data and displays it on Screen 231.

[M] PPQ31U - UPDATE CANADIAN EMPLOYEE EEA DATA

Retrieves employee EEA information from Screen 231. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[M] PPQ32I - INQUIRE EMPLOYEE JOB DATA

Reads the Employee Master File to retrieve job data for the employee number and organization specified. Formats the data and displays it on Screen 232.

[M] PPQ32U - UPDATE EMPLOYEE JOB DATA

Retrieves employee job data from Screen 232. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[M] PPQ33I - INQUIRE EMPLOYEE SALARY SPLITS INFORMATION

Reads the Employee Master File to retrieve salary split data for the employee number and organization specified. Formats the data and displays it on Screen 233.

[P] PPQ33U - UPDATE EMPLOYEE SALARY SPLITS INFORMATION

Retrieves employee salary splits data from Screen 233. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[P] PPQ48I - EMPLOYEE STATE W-4 INFORMATION INQUIRY

Reads the Employee Master file to retrieve state W-4 data for the employee number. Formats the data and displays it on Screen 248.

[P] PPQ48U - UPDATE EMPLOYEE STATE W-4 INFORMATION

Retrieves employee state W-4 data from Screen 248. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[P] PPQ49I - EMPLOYEE PHONE INFORMATION INQUIRY

Reads the Employee Master file to retrieve phone data for the employee number. Formats the data and displays it on Screen 249.

[P] PPQ49U - UPDATE EMPLOYEE PHONE INFORMATION

Retrieves employee phone data from Screen 249. If changes were made by the terminal operator, edits the data and updates the Employee Master.

[Q] PPQ51I - ONLINE CHECK CALCULATION GROSS PAY INFORMATION INQUIRY

Retrieves basic employee gross pay information for the employee number and organization specified. Formats the data and displays it on Screen 501.

[Q] PPQ51U- ONLINE CHECK CALCULATION GROSS PAY INFORMATION UPDATE

Retrieves employee's gross pay information from Screen 501. The data is edited and the Selected Employees File is updated.

[Q] PPQ52I - ONLINE CHECK CALCULATION DOE INFORMATION INQUIRY

Retrieves DOE information for the employee number and organization specified. Formats the data and displays it on Screen 502 (U.S.) or Screen 503 (Canadian).

[Q] PPQ52U - ONLINE CHECK CALCULATION DOE INFORMATION UPDATE

Retrieves selected DOEs from Screen 502 (U.S.) or Screen 503 (Canadian). The data is edited and the Selected Employees File is updated.

[Q] PPQ54I - ONLINE CHECK CALCULATION FUNCTION STATUS INQUIRY

Retrieves functions (INACTIVE, UPDATE, or COMPUTE) being performed by users for each terminal ID. Formats the data and displays it on Screen 504.

[Q] PPQ54U - ONLINE CHECK CALCULATION FUNCTION STATUS UPDATE

Retrieves selected function from Screen 504. Edits for availability of function and opens or closes the Online Check Calculation files according to function.

[Q] PPQ55I - ONLINE CHECK CALCULATION CHECK STATUS INQUIRY

Retrieves check records from the Selected Employees File and Check Detail File. Formats the data and displays it on Screen 505.

[Q] PPQ55U - ONLINE CHECK CALCULATION CHECK STATUS UPDATE

Retrieves check records selected for processing from Screen 505. Edits each record for valid process codes, updates the Selected Employees File and performs the selected processes.

PNK01RP

Assembler I/O module for Inquiry of the random Check Reversal file.

[Q] PPQ701 - ONLINE CHECK CALCULATION COMPUTE

Reads the Selected Employees File and calculates check records written to the Check Detail File.

[Q] PPQ91I - GLOBAL/MENU EXTENDED PRODUCT SECURITY - Screen 901 Phase 1

Reads the LKPDSEC file and displays global and menu security records for an operator.

[Q] PPQ91U - GLOBAL/MENU EXTENDED PRODUCT SECURITY - Screen 901 Phase 2

Retrieves global and menu security data from Screen 901. If changes were made by the terminal operator, it edits the data and updates the LKPDSEC file.

[Q] PPQ92I - TABLES FILE ID EXTENDED PRODUCT SECURITY - Screen 902 Phase 1

Reads the LKPDSEC file and displays Tables File application ID security records for an operator.

[Q] PPQ92U - TABLES FILE ID EXTENDED PRODUCT SECURITY - Screen 902 Phase 2

Retrieves Tables File application ID security data from Screen 902. If changes were made by the terminal operator, it edits the data and updates the LKPDSEC file.

[Q] PPQ93I - SCREEN RANGE EXTENDED PRODUCT SECURITY - Screen 903 Phase 1

Reads the LKPDSEC file and displays screen range security records for an operator.

[Q] PPQ93U - SCREEN RANGE EXTENDED PRODUCT SECURITY - Screen 903 Phase 2

Retrieves screen range security data from Screen 903. If changes were made by the terminal operator, it edits the data and updates the LKPDSEC file.

[Q] PPQ94I - SINGLE SCREEN EXTENDED PRODUCT SECURITY - Screen 904 Phase 1

Reads the LKPDSEC file and displays individual screen security records for an operator.

[Q] PPQ94U - SINGLE SCREEN EXTENDED PRODUCT SECURITY - Screen 904 Phase 2

Retrieves individual screen security data from Screen 904. If changes were made by the terminal operator, it edits the data and updates the LKPDSEC file.

e Tables File - Common COBOL Programs

[8] PNT08S - HRMS TABLES FILE RECOVERY RUN CONTROL TRANSACTION

This I/O program reads the HRMS Tables File Recovery run control transaction.

[8] PNT10S - INPUT HRMS TABLES FILE RECOVERY PROCESS

This I/O program reads the sorted sequential file created in PPT908.

[8] PNT10V - OUTPUT HRMS TABLES FILE RECOVERY LOAD

This I/O program writes the HRMS Tables File records with the sort key to the sequential file. This file is then sorted for the HRMS Tables File Recovery process.

[8] PNT18S - HRMS TABLES FILE AUDIT TRAIL RUN CONTROL TRANSACTION

This I/O program reads the HRMS Tables File Audit Trail run control transaction.

[8] PNT20S - INPUT HRMS TABLES FILE AUDIT TRAIL PROCESS

This I/O program reads the sorted sequential file created in PPT918.

[8] PNT20V - OUTPUT HRMS TABLES FILE AUDIT TRAIL LOAD

This I/O program writes the HRMS Tables File records with the sort key to the sequential file. This file is then sorted for the HRMS Tables File Audit Trail process.

[P] PP477I - SCREEN 477 – OREGON TRANSIT TAX DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve Oregon transit tax DOE data for the specified organization. Formats the data and displays it on Screen 477. This data is on a ORTRANTAX tax constant record.

[P] PP477U - SCREEN 477 – OREGON TRANSIT TAX DOE MENU UPDATE

Retrieves Oregon transit tax DOE data from Screen 477. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PP478I - SCREEN 478 – OREGON TRANSIT TAX DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Oregon transit tax DOE data for the record selected from Screen 477. Formats the data and displays it on Screen 478. This data is on a ORTRANTAX tax constant record.

[P] PP478U - SCREEN 478 - OREGON TRANSIT TAX DOE MAINTENANCE UPDATE

Retrieves Oregon transit tax DOE data from Screen 477. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PP479I - SCREEN 479 – OREGON TRANSIT WAGE DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve Oregon transit wage DOE data for the specified organization. Formats the data and displays it on Screen 479. This data is on a ORTRANWAGE tax constant record.

[P] PP479U - SCREEN 479 – OREGON TRANSIT WAGE DOE MENU UPDATE

Retrieves Oregon transit wage DOE data from Screen 479. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PP480I - SCREEN 480 – OREGON TRANSIT WAGE DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Oregon transit wage DOE data for the record selected from Screen 479. Formats the data and displays it on Screen 480. This data is on a ORTRANWAGE tax constant record.

[P] PP480U - SCREEN 480 - OREGON TRANSIT TAX DOE MAINTENANCE UPDATE

Retrieves Oregon transit wage DOE data from Screen 479. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[C] PPTCAN - REALTIME TABLES FILE GER CANADIAN EDIT DICTIONARY PROGRAM

Establishes the Realtime General Edit Routine edit criteria and error messages for each Canadian batch HRMS Tables File transaction.

[P] PPTPCE - REALTIME TABLES FILE PAYROLL COMMON EDIT PROGRAM

Performs common transaction edits for the Parameter-driven Tax Reporting HRMS Tables File transactions.

[P] PPTPDM - SCREEN-TO-SCREEN TRANSFER PROGRAM - PARAMETER-DRIVEN TAX REPORTING

Allows access to menu screens in the Parameter-driven tax reporting area of the Realtime Tables File structure through codes entered in the action field.

[Q] PPTENT - REALTIME TABLES FILE ENTRY

To enter the HRMS Tables File structure, select Screen 300, the Application Menu Screen. If the screen requested is an HRMS Tables File screen, this program verifies that Screen 300 was accessed first.

[Q] PPTGER - REALTIME TABLES FILE GENERAL EDIT ROUTINE

Edits a Realtime Tables File transaction just like the batch General Edit Routine.

[P] PPTGPD - REALTIME TABLES FILE PAYROLL EDIT DICTIONARY PROGRAM

Establishes the Realtime General Edit Routine edit criteria and error messages for each Parameter-driven Tax Reporting HRMS Tables File transaction.

[Q] PPTIOP - AUDIT TABLES FILE I/O PROGRAM

Reads, inserts, modifies, and deletes the Audit File record created during Realtime Tables File updates. Reads, inserts, modifies, and deletes Realtime Tables File records.

[Q] PPTMNU - SCREEN-TO-SCREEN TRANSFER PROGRAM

Allows access to menu screens in the Realtime Tables File structure through codes entered in the ACTION field.

[P] PPTPAY - REALTIME TABLES FILE GER PAYROLL EDIT DICTIONARY PROGRAM

Establishes the Realtime General Edit Routine edit criteria and error messages for each Personnel batch HRMS Tables File transaction.

[M] PPTPMR - REALTIME TABLES FILE GER PERSONNEL EDIT DICTIONARY PROGRAM

Establishes the Realtime General Edit Routine edit criteria and error messages for each Personnel batch HRMS Tables File transaction.

[Q] PPTRUN - REALTIME TABLES FILE GER RUN CONTROL EDIT DICTIONARY PROGRAM

Establishes the Realtime General Edit Routine edit criteria and error messages for each Run Control batch HRMS Tables File Transaction.

[Q] PPT908 - HRMS TABLES FILE RECOVERY LOAD

Reads and edits the run control transaction, adds a key to the HRMS Tables File audit record, then writes this new record to a sequential file. This sequential file is then sorted in ascending or descending sequence depending on the recovery process (forward or backward).

[Q] PPT910 - HRMS TABLES FILE RECOVERY PROCESS

Reads the sorted file from PPT908 and performs a forward (or backward) recovery process against the HRMS Tables File using the before and after record images on the HRMS Tables File audit record.

[Q] PPT918 - HRMS TABLES FILE AUDIT TRAIL LOAD

Reads and edits the run control transaction, adds a key to the HRMS Tables File audit record, then writes this new record to a sequential file. This sequential file is then sorted in sequence depending on the run control transaction data.

[Q] PPT920 - HRMS TABLES FILE AUDIT TRAIL PROCESS

Reads the sorted file from PPT918 and prints the Run Control Audit Trail report. PPT920 is the root program for the Payroll, Personnel, and Canadian Audit Trail Reports.

[P] PPT921 - AUDIT TRAIL PAYROLL APPLICATION PROCESS

Prints the Audit Trail Reports showing changes to the Realtime Tables File Payroll application.

[M] PPT922 - AUDIT TRAIL PERSONNEL APPLICATION PROCESS

Prints the Audit Trail Reports showing changes to the Realtime Tables File Payroll application.

[C] PPT923 - AUDIT TRAIL CANADIAN APPLICATION PROCESS

Prints the Audit Trail Reports showing changes to the Realtime Tables File Canadian application.

[Q] PPQL01 - EMPLOYEE MASTER LOGICAL LOCK

Controls the Employee Master Logical Lock feature.

If the Logical Lock feature is not installed, this program passes control from Status Phase I to Status Phase II programs.

[Q] PPTL01 - HRMS TABLES LOGICAL LOCK

Controls the HRMS Tables File Logical Lock feature.

If the Logical Lock feature is not installed, this program passes control from Status Phase I to Status Phase II programs.

[P] PPTSCM - SCREEN 336 - SCREEN COMMAND PROCESSOR

Provides copy and delete capabilities for PRM Parameter-driven Tax Reporting HRMS Tables File transactions.

[M] PPT100 - SCREEN 301 - PERSONNEL CODE TRANSLATION MENU - STATUS PHASE I

Displays a menu of Personnel Code Transaction types on the Personnel Code Translation Menu.

[M] PPT101 - SCREEN 301 - PERSONNEL CODE TRANSLATION MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File MCT record type from the Personnel Code Translation Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected code translation inquiry program.

[M] PPT102 - SCREEN 302 - X_____X CODE TRANSLATIONS INQUIRY

Reads the HRMS Tables File to retrieve Personnel Code Translation data. Formats the data and screen title then displays it on Screen 302. This data is on an MCT record type with a record code of T66.

[M] PPT103 - SCREEN 302 - X_____X CODE TRANSLATIONS UPDATE

Retrieves Personnel Code Translation data from Screen 302. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT000 - SCREEN 303 - BANKING SERVICES MENU SCREEN - STATUS PHASE II

Retrieves the selected HRMS Tables File PAD record type from the Banking Services Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected banking service inquiry program. The Status Phase I program is PPTENT.

[P] PPT001 - SCREEN 304 - BANKK/CREDIT UNION (B/CU) DATA INQUIRY

Reads the HRMS Tables File to retrieve Bank/Credit Union data for the organization specified. Formats the data and displays it on Screen 304. This data is on a PAD record type with a record code of TA.

[P] PPT002 - SCREEN 304 - BANK/CREDIT UNION (B/CU) DATA UPDATE

Retrieves Bank/Credit Union data from screen 304. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT003 - SCREEN 305 - ACH TAPE DATA INQUIRY

Reads the HRMS Tables File to retrieve ACH tape data. Formats the data and displays it on Screen 305. This data is on a PAD record type with a TW record code.

[P] PPT004 - SCREEN 305 - ACH ORGANIZATION DATA INQUIRY

Retrieves ACH Tape data from Screen 305. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT005 - SCREEN 306 - ACH ORGANIZATION DATA INQUIRY

Reads the HRMS Tables File to retrieve ACH organization data for the organization specified. Formats the data and displays it on Screen 306. This data is on a PAD record type with a record code of TX.

[P] PPT006 - SCREEN 306 - ACH ORGANIZATION DATA UPDATE

Retrieves ACH organization data from Screen 306. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT007 - SCREEN 307 - CHECK WRITER FORMS IDENTIFICATION MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PCW record type from the Check Writer Forms Identification Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Check Writer Forms Identification inquiry program. The Status Phase I program is PPTENT.

[P] PPT008 - SCREEN 308 - FORM NUMBER ASSIGNMENT INQUIRY

Reads the HRMS Tables File to retrieve Form Number Assignment data for the organization specified. Formats the data and displays it on Screen 308. This data is on a PCW record type with a record code of TH1-001.

[P] PPT009 - SCREEN 308 - FORM NUMBER ASSIGNMENT UPDATE

Retrieves ACH organization data from Screen 306. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT010 - SCREEN 309 - FORMAT OPTION CONTROL INQUIRY

Reads the HRMS Tables File to retrieve Format Option Control data. Formats the data and displays it on Screen 309. This data is on a PCW record type with a record code of TH2-001.

[P] PPT01I - SCREEN 401 - FEDERAL TAX & W-2 SELF-MAILER INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the Federal Tax and W-2 Self-Mailer data for the Employer Identification Number specified. Formats the data and displays it on Screen 401. This data is on PGD and PW2 record types with record codes of TB and TZ1.

[P] PPT01U - SCREEN 401 - FEDERAL TAX & W-2 SELF-MAILER INFORMATION UPDATE

Retrieves Federal Tax and W-2 Self-Mailer data entered on Screen 401. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT011 - SCREEN 309 - FORMAT OPTION CONTROL UPDATE

Retrieves Format Option Control data from Screen 309. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT012 - SCREEN 310 - REPORT CONTROL OPTIONS MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PRC record type from the Report Control Options Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Report Control Options inquiry program. The Status Phase I program is PPTENT.

[P] PPT013 - SCREEN 311 - PAYROLL REPORT GENERATE OPTIONS INQUIRY

Reads the HRMS Tables File to retrieve Payroll Report Generate Options data for the organization specified. Formats the data and displays it on Screen 311. This data is on a PRC record type with a record code of AD.

[P] PPT014 - SCREEN 311 - PAYROLL REPORT GENERATE OPTIONS UPDATE

Retrieves Payroll Report Generate Options data from Screen 311. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT015 - SCREEN 312 - PAYROLL REPORT PRINT INQUIRY

Reads the HRMS Tables File to retrieve Payroll Report print data for the organization specified. Formats the data and displays it on Screen 312. This data is on a PRC record type with a record code of AE.

[P] PPT016 - SCREEN 312 - PAYROLL REPORT PRINT UPDATE

Retrieves Payroll Report Print data from Screen 312. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT017 - SCREEN 313 - PAYROLL REPORT DATE INQUIRY

Reads the HRMS Tables File to retrieve Payroll Report Date data. Formats the data and displays it o Screen 313. This data is on a PRC record type with a record code of AF.

[P] PPT018 - SCREEN 313 - PAYROLL REPORT DATE UPDATE

Retrieves Payroll Report Date data from Screen 313. if changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT019 - SCREEN 314 - DEDUCTIONS/OTHER EARNINGS BY DOE REPORT INQUIRY

Reads the HRMS Tables File to retrieve Deductions/Other Earnings by DOE report data for the organization specified. Formats the data and displays it on Screen 314. This data is on a PRC record type with a record code of DL.

[P] PPT02I - SCREEN 402 - FEDERAL W-2 EMPLOYER INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the Federal W-2 Employer data for the organization specified. Formats the data and displays it on Screen 402. This data is on the PW2 record type with a record code of TZ1.

[P] PPT02U - SCREEN 402 - FEDERAL W-2 EMPLOYER INFORMATION UPDATE

Retrieves Federal W-2 Employer data entered on screen 402. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT020 - SCREEN 314 - DEDUCTIONS/OTHER EARNINGS BY DOE REPORT UPDATE

Retrieves Deductions/Other Earnings by DOE report data from Screen 314. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT021 - SCREEN 315 - ADDRESS LABELS INQUIRY

Reads the HRMS Tables File to retrieve Address Labels data for the organization specified. Formats the data and displays it on Screen 315. This data is on a PRC record type with a record code of SL.

[P] PPT022 - SCREEN 315 - ADDRESS LABLELS UPDATE

Retrieves Address Labels data from Screen 315. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT023 - SCREEN 316 - RATE TABLE MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PRT record type from the Rate Table Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Rate Table inquiry program. The Status Phase I program is PPTENT.

[P] PPT024 - SCREEN 317 - RATE TABLE INQUIRY

Reads the HRMS Tables File to retrieve Rate Table data for the organization specified. Formats the data and displays it on Screen 317. This data is on a PRT record type with a record code of TG.

[P] PPT025 - SCREEN 317 - RATE TABLE UPDATE

Retrieves Rate Table data from Screen 317. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT026 - SCREEN 329 - ORGANIZATION DOE MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PDE record type from the Organization DOE Menu screen. Reads the 101 segment of the Employee Master File to get the country code for the organization. Levels of control, security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Organization DOE inquiry program. Depending on the country code, either Screen 330 (U.S.) or Screen 331 (Canadian) will be displayed. The Status Phase I program is PPTENT.

[P] PPT027 - SCREEN 330/331 - ORGANIZATION DOE INQUIRY

Reads the HRMS Tables File to retrieve Organization DOE data for the organization specified. Formats the data and displays it on Screen 330 for a U.S. organization or Screen 331 for a Canadian organization. This data is on a PDE record type with a record code of DOE-001.

[P] PPT028 - SCREEN 330/331 - ORGANIZATION DOE UPDATE

Retrieves Organization DOE data from Screen 330 for a U.S. organization or Screen 331 for a Canadian organization. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT029 - SCREEN 332 - ORGANIZATION STEP DOE INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve Organization Step DOE data for the organization specified. Formats the data and displays it on Screen 332. This data is on a PDE record type with a record code of DOE-STP.

[P] PPT03I - SCREEN 403 - FEDERAL EFW2 FILE SUBMITTER INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the Federal EFW2 File Submitter data. Formats the data and displays it on Screen 403. This data is on a PW2 record type with a record code of TZ1.

[P] PPT03U - SCREEN 403 - FEDERAL EFW2 FILE SUBMITTER INFORMATION UPDATE

Retrieves Federal EFW2 File Submitter data entered on screen 403. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT030 - SCREEN 332 - ORGANIZATION STEP DOE INFORMATION UPDATE

Retrieves Organization Step DOE data from Screen 332. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT031 - SCREEN 333 - ORGANIZATION SPECIAL HOURS INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve Organization Special Hours data for the organization specified. Formats the data and displays it on Screen 333. This data is on a PDE record type with a record code of DOE-SPH. The update program for Screen 333 is PPT086.

[P] PPT032 - SCREEN 334 - U.S. TAX REPORTING MENU UPDATE

Retrieves the selected HRMS Tables File (PTR) record type from the U.S. Tax Reporting Menu screen. If valid, control is passed to the selected inquiry program. The Status Phase I program is PPTENT.

[P] PPT033 - SCREEN 335 - U.S. REGULATORY PARAMETER CONTROL MENU UDPATE

Retrieves the selected HRMS Tables File (PRP) record type from the U.S. Regulatory Parameter Control Menu screen. If valid, control is passed to the selected inquiry program. The Status Phase I program is PPTENT.

[P] PPT034 - SCREEN 336 - REPORT RECORD MAP ENTRY INQUIRY

Reads the HRMS Tables File to retrieve Report Record Map data. Formats the data and displays it on Screen 336.

[P] PPT035 - SCREEN 336 - REPORT RECORD MAP ENTRY UPDATE

Retrieves Report Record Map data from Screen 336. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT036 - SCREEN 337 - U.S. TAPE/FORM INDICATORS INQUIRY

Reads the HRMS Tables File to retrieve Tape/Form Indicators data. Formats the data and displays it on Screen 336. This data is on a PTF record type with a record code of SRO001.

[P] PPT037 - SCREEN 337 - U.S. TAPE/FORM INDICATORS UPDATE

Retrieves U.S. Tape/Form Indicator data from Screen 337. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT038 - SCREEN 339 - REPORT GENERATE OPTIONS INQUIRY

Reads the HRMS Tables File to retrieve Report Generate Options data. Formats the data and displays it on Screen 339. This data is on a PRP record type with a record code of GEN001 and GEN002.

[P] PPT039 - SCREEN 339 - REPORT GENERATE CONTROL UPDATE

Retrieves Report Generate Control data from Screen 339. if changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT040 - SCREEN 340 - SORT SEQUENCE SELECTION INQUIRY

Reads the HRMS Tables File to retrieve Sort Sequence Selection data. Formats the data and displays it on Screen 340. This data is on a PRP record type with a record code of SRT001 and SRT002.

[P] PPT041 - SCREEN 341 - SORT SEQUENCE SELECTION UPDATE

Retrieves Sort Sequence Selection data from Screen 340. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT042 - SCREEN 341 - U.S. SORT SEQUENCE CONTROL INQUIRY

Reads the HRMS Tables File to retrieve U.S. Sort Sequence Control data. Formats the data and displays it on Screen 341. This data is on a PRP record type with a record code of SRT001.

[P] PPT043 - SCREEN 341 - U.S. SORT SEQUENCE CONTROL UPDATE

Retrieves U.S. Sort Sequence Control data from Screen 341. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT044 - SCREEN 343 - REPORT PRINT SEQUENCE VALUES INQUIRY

Reads the HRMS Tables File to retrieve Report Print Sequence Values data. Formats the data and displays it on Screen 343. This data is on a PRP record type with a record code of PRT002.

[P] PPT045 - SCREEN 343 - REPORT PRINT SEQUENCE VALUES UPDATE

Retrieves Report Print Sequence Values data from Screen 343. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT046 - SCREEN 344 - LOCAL AUTHORITY SELECTION INQUIRY

Reads the HRMS Tables File to retrieve Local Authority Selection data. Formats the data and displays it on Screen 344. This data is on a PRP record type with a record code of LOC001.

[P] PPT047 - SCREEN 344 - LOCAL AUTHORITY SELECTION UPDATE

Processes the selection made by the terminal operator and transfers to Screen 345.

[P] PPT048 - SCREEN 345 - LOCAL AUTHORITY ASSIGNMENT INQUIRY

Reads the HRMS Tables File to retrieve Local Authority Assignment data. Formats the data and displays it on Screen 345. This data is on a PRP record type with a record code of LOC001.

[P] PPT049 - SCREEN 345 - LOCAL AUTHORITY ASSIGNMENT UPDATE

Retrieves Local Authority Assignment data from Screen 345. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT05I - SCREEN 405 - W-2 DOE DEFINITION DATA INQUIRY

Reads the HRMS Tables File to retrieve the W-2 DOE Definition data for the organization specified. Formats the data and displays it on Screen 405. This data is on a PW2 record type with a record code of TZ1.

[P] PPT05U - SCREEN 405 - W-2 DOE DEFINITION DATA UPDATE

Retrieves W-2 DOE Definition data entered on Screen 405. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT050 - SCREEN 346 - GROUP SELECTION INQUIRY

Reads the HRMS Tables File to retrieve Group Selection data. Formats the data and displays it on Screen 346. This data is on a PRP record type with a record code of GRP001, GRP002, and GRP004.

[P] PPT051 - SCREEN 346 - GROUP SELECTION UPDATE

Retrieves Group Selection data from Screen 346. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT052 - SCREEN 347 - DEFINE STATE GROUP INQUIRY

Reads the HRMS Tables File to retrieve State Group data. Formats the data and displays it on Screen 347. This data is on a PRP record type with a record code of GRP001.

[P] PPT053 - SCREEN 347 - DEFINE STATE GROUP UPDATE

Retrieves State Group data from Screen 347. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT054 - SCREEN 349 - DEIFNE LOCAL GROUP INQUIRY

Reads the HRMS Tables File to retrieve Local Group data. Formats the data and displays it on Screen 349. This data is on a PRP record type with a record code of GRP002.

[P] PPT055 - SCREEN 349 - DEFINE LOCAL GROUP UPDATE

Retrieves Local Group data from Screen 349. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT056 - SCREEN 350 - DEFINE L1L2 GROUP INQUIRY

Reads the HRMS Tables File to retrieve L1L2 Group data. Formats the data and displays it on Screen 350. This data is o a PRP record type with a record code of GRP003.

[P] PPT057 - SCREEN 350 - DEFINE L1L2 GROUP UPDATE

Retrieves L1L2 Group data from Screen 350. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT06I - SCREEN 406 - W-2 DOE DEFINITION DATA INQUIRY

Reads the HRMS Tables File to retrieve the W-2 DOE Definition data for the organization specified. Formats the data and displays it on Screen 406. This data is on a PW2 record type with a record code of TZ1.

[P] PPT06U - SCREEN 406 - W-2 DOE DEFINITION DATA UPDATE

Retrieves W-2 DOE Definition data entered on Screen 406. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT060 - SCREEN 355 - REPORT PRINT CONTROL INQUIRY

Reads the HRMS Tables File to retrieve Report Print Control data. Formats the data and displays it on Screen 355. This data is o a PRP record type with a record code of PRT001.

[P] PPT061 - SCREEN 355 - REPORT PRINT CONTROL UPDATE

Retrieves Report Print Control data from Screen 355. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT062 - SCREEN 356 - L1L2 GROUP SELECTION INQUIRY

Reads the HRMS Tables File to retrieve Level 1-Level 2 Group Selection data. Formats the data and displays it on Screen 356. This data is o a PRP record type with a record code of GRP003.

[P] PPT063 - SCREEN 356 - L1L2 GROUP SELECTION UPDATE

Retrieves Level 1-Level 2 Group Selection data from Screen 356. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT064 - SCREEN 357 - REPORT RECORD MAP SELECTION - INQUIRY

[P] PPT065 - SCREEN 357 - REPORT RECORD MAP SELECTION - UPDATE

[P] PPT066 - SCREEN 358 - US TAPE RECORD AND FORM INDICATOR SELECTION SCREEN - INQUIRY

[P] PPT067 - SCREEN 358 - US TAPE AND FORM INDICATOR SELECTION SCREEN - UPDATE

[P] PPT068 - SCREEN 359 - REPORT GENERATE CONTROL SELECTION SCREEN - INQUIRY

[P] PPT069 - SCREEN 359 - REPORT GENERATE CONTROL SELECTION SCREEN - UPDATE

[P] PPT07I - SCREEN 407 - W-2 DOE DEFINITION DATA INQUIRY

Reads the HRMS Tables File to retrieve the W-2 DOE Definition data for the organization specified. Formats the data and displays it on Screen 407. This data is on a PW2 record type with a record code of TZ1.

[P] PPT07U - SCREEN 407 - W-2 DOE DEFINITION DATA UPDATE

Retrieves W-2 DOE Definition data entered on Screen 407. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT070 - SCREEN 360 - REPORT PRINT CONTROL SELECTION SCREEN - INQUIRY

[P] PPT071 - SCREEN 360 - REPORT PRINT CONTROL SELECTION SCREEN - UPDATE

[P] PPT072 - SCREEN 363 - DEPENDENT/HEALTH PLAN TRANSLATION/DATA

[P] PPT073 - SCREEN 364 - HEALTH PLAN DATA TRANSLATION MENU

[P] PPT074 - SCREEN 365 - DEPENDENT/HEALTH PLAN TRANSLATION - INQUIRY

[P] PPT075 - SCREEN 365 - DEPENDENT/HEALTH PLAN TRANSLATION - UPDATE

[P] PPT076 - SCREEN 366 - DEPENDENT/HEALTH PLAN TRANSLATION - INQUIRY

[P] PPT077 - SCREEN 366 - DEPENDENT/HEALTH PLAN TRANSLATION - UPDATE

[P] PPT078 - SCREEN 367 - DEPENDENT/HEALTH PLAN SELECTION - INQUIRY

[P] PPT079 - SCREEN 367 - DEPENDENT/HEALTH PLAN SELECTION - UPDATE

[P] PPT080 - SCREEN 368 - HEALTH PLAN DATA - INQUIRY

[P] PPT081 - SCREEN 368 - HEALTH PLAN DATA - UPDATE

[P] PPT082 - SCREEN 369 - BANK/CREDIT UNION (B/CU) ABA/INSTITUTION DATA - INQUIRY

[P] PPT083 - SCREEN 369 - BANK/CREDIT UNION (B/CU) ABA/INSTITUTION NUMBER DATA - UPDATE

[P] PPT084 - SCREEN 370 - ORG PAY PERIOD TABLE - INQUIRY

[P] PPT085 - SCREEN 370 - ORG PAY PERIOD TABLE - UPDATE

[C] PPT086 - SCREEN 371 - CANADIAN DIRECT DEPOSIT TAPE FILE HEADER - INQUIRY

[C] PPT087 - SCREEN 371 - CANADIAN DIRECT DEPOSIT TAPE FILE HEADER - UPDATE

[P] PPT088 - SCREEN 373 - ORGANIZATION TABLED AMOUNT INFORMATION UPDATE

Retrieves Organization Tabled Amount data from Screen 373. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT089 - SCREEN 333 - ORGANIZATION SPECIAL HOURS INFORMATION UPDATE

Retrieves Organization Special Hours data from Screen 333. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT090 - SCREEN 373 - ORGANIZATION TABLED AMOUNT INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve Organization Tabled Amount data for the organization specified. Formats the data and displays it on Screen 373. This data is on a PDE record type with a record code of DOE-TAB.

[P] PPT091 - SCREEN 374 - SAVINGS BOND TAPE DATA - INQUIRY

Reads the HRMS Tables File to retrieve Savings Bond Tape data for the organization specified. Formats the data and displays it on Screen 374. This data is on a PAD record type with a record code of BD1.

[P] PPT092 - SCREEN 374 - SAVINGS BOND TAPE DATA - UPDATE

Retrieves Savings Bond Tape data from screen 374. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT093 - SCREEN 375 - SAVINGS BOND TAPE COMPANY SELECTION - INQUIRY

Reads the HRMS Tables File to retrieve Savings Bond Tape Company Selection data for the organization specified. Formats the data and displays it on Screen 375. This data is on a PAD record type with a record code of BD2.

[P] PPT094 - SCREEN 375 - SAVINGS BOND TAPE COMPANY SELECTION - UPDATE

Retrieves Savings Bond Tape Company Selection data from Screen 375. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT095 - SCREEN 376 - SAVINGS BOND COMPANY DATA - INQUIRY

Reads the HRMS Tables File to retrieve Savings Bond Company data for the organization specified. Formats the data and displays it on Screen 376. This data is on a PAD record type with record codes of BD2 and BD3.

[P] PPT095 - SCREEN 376 - SAVINGS BOND COMPANY DATA - UPDATE

Retrieves Savings Bond Company data from Screen 376. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT10I - SCREEN 410 - STATE NAME AND TAX REPORTING INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the State Name and Tax Reporting data for the organization specified. Formats the data and displays it on Screen 410. This data is on a PGD record type with a record code of TC.

[P] PPT10U - SCREEN 410 - STATE NAME AND TAX REPORTING INFORMATION UPDATE

Retrieves State Name and Tax Reporting data entered on Screen 410. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[M] PPT100 - SCREEN 301 - PERSONNEL CODE TRANSLATION MENU - INQUIRY

[M] PPT101 - SCREEN 301 - PERSONNEL CODE TRANSLATION MENU - UPDATE

[M] PPT102 - SCREEN 302 - X_____X CODE TRANSLATIONS - INQUIRY

[M] PPT103 - SCREEN 302 - X_____X CODE TRANSLATIONS - UPDATE

[P] PPT11I - SCREEN 411 - COUNTY NAME AND TAX REPORTING INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the County Name and Tax Reporting data for the organization specified. Formats the data and displays it on Screen 411. This data is on a PGD record type with a record code of TD.

[P] PPT11U - SCREEN 411 - COUNTY NAME AND TAX REPORTING INFORMATION UPDATE

Retrieves County Name and Tax Reporting data entered on Screen 411. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT12I - SCREEN 412 - CITY NAME AND TAX REPORTING INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the City Name and Tax Reporting data for the organization specified. Formats the data and displays it on Screen 412. This data is on a PGD record type with a record code of TE.

[P] PPT12U - SCREEN 412 - CITY NAME AND TAX REPORTING INFORMATION UPDATE

Retrieves City Name and Tax Reporting data entered on Screen 412. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT13I - SCREEN 413 - EEO-1/STATE QUARTERLY HOUR INDICATORS INQUIRY

Reads the HRMS Tables File to retrieve the EEO-1 and State Quarterly Hour indicators for the organization specified. This data is on a PGD record type with a record code of TF.

[P] PPT13U - SCREEN 413 - EEO-1/STATE QUARTERLY HOUR INDICATORS UPDATE

Retrieves EEO-1 and State Quarterly Hour indicators data entered on Screen 413. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT200 - SCREEN 318 - CANADIAN TAX SEGMENT DOE'S MENU - STATUS PHASE I

Displays a menu of Canadian Tax Segment DOE types on the Canadian Tax Segment DOEs Menu.

[C] PPT201 - SCREEN 318 - CANADIAN TAX SEGMENT DOE'S MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File CSD record type from the Canadian Tax Segment DOEs Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Canadian Tax Segment DOE inquiry program.

[C] PPT202 - SCREEN 319 - X_____X CANADIAN TAX SEGMENT DOEs INQUIRY

Reads the HRMS Tables File to retrieve Canadian Tax Segment DOE data for the organization specified. Formats the data and displays it on Screen 318.

This data is on a CSD record type with one of the following record codes:

TM-T4B	TM-T4R	TM-T4AD	TM-T4AO
TM-T4C	TM-T4T	TM-T4AE	TM-T4AP
TM-T4E	TM-T4U	TM-T4AF	TM-T4AQ
TM-T4F	TM-T4W	TM-T4AG	TM-T4AR
TM-T4G	TM-T4X	TM-T4AH	TM-T4AS
TM-T4H	TM-T4Y	TM-T4AI	TM-T4AT
TM-T4J	TM-T4V	TM-T4AK	TM-T4AU
TM-T4K	TM-T4AA	TM-T4AL	TM-T4AV
TM-T4M	TM-T4AB	TM-T4AM	TM-T4AW
TM-T4O	TM-T4AC	TM-T4AN	TM-T4AX

[C] PPT203 - SCREEN 319 - X____X CANADIAN TAX SEGMENT DOEs UPDATE

Retrieve Canadian Tax Segment DOE data from Screen 319. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT204 - SCREEN 320 - OTHER INCOME INQUIRY

Reads the HRMS Tables File to retrieve Other Income data for the organization specified. Formats the data and displays it on Screen 320. This data is on a CSD record type with a record code of TM-T4I.

[C] PPT205 - SCREEN 320 - OTHER INCOME UPDATE

Retrieves Other Income data from Screen 320. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT206 - SCREEN 321 - REGISTERED PENSION PLAN OR CHARITABLE DONATION INQUIRY

Reads the HRMS Tables File to retrieve Registered Pension Plan or Charitable Donation data for the organization specified. Formats the data and displays it on Screen 321. This data is on a CSD record type with a record code of TM-T4R or TM-T4D.

[C] PPT207 - SCREEN 321- REGISTERED PENSION PLAN OR CHARITABLE DONATION UPDATE

Retrieves Registered Pension Plan or Charitable Donation data from Screen 321. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT208 - SCREEN 322 - UNION DUES INQUIRY

Reads the HRMS Tables File to retrieve Union Dues data for the organization specified. Formats the data and displays it on Screen 322. This data is on a CSD record type with a record code of TM-T4U.

[C] PPT209 - SCREEN 322 - UNION DUES UPDATE

Retrieves Union Dues data from Screen 322. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT210 - SCREEN 338 - T4/T4A TAPE INDICATORS INQUIRY

Reads the HRMS Tables File to retrieve T4/T4A Tape/Form Indicators data. Formats the data and displays it on Screen 338. This data is on a CT4 record type with a record code of SRO002.

[P] PPT21I - SCREEN 421 - U.S. STATE W-2 REPORTING DETAIL INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State W-2 Reporting data for the organization specified. Formats the data and displays it on Screen 421. This data is on a PW2 record type with a record code of TZ1.

[P] PPT21U - SCREEN 421 - U.S. STATE W-2 REPORTING DETAIL INFORMATION UPDATE

Retrieves U.S. State W-2 Reporting data entered on Screen 421. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT211 - SCREEN 338 - T4/T4A TAPE INDICATORS UPDATE

Retrieves T4/T4A Tape Indicator data from Screen 338. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT212 - SCREEN 342 - CANADIAN SORT SEQUENCE CONTROL INQUIRY

Reads the HRMS Tables File to retrieve Canadian Sort Sequence Control data. Formats the data and displays it on Screen 342. This data is on a CRP record type with a record code of SRT002.

[C] PPT213 - SCREEN 342 - CANADIAN SORT SEQUENCE CONTROL UPDATE

Retrieves Canadian Sort Sequence Control data from Screen 342. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT214 - SCREEN 348 - DEFINE PROVINCE GROUP INQUIRY

Reads the HRMS Tables File to retrieve Province Group data. Formats the data and displays it on Screen 342. This data is on a CRP record type with a record code of GRP004.

[C] PPT215 - SCREEN 348 - DEFINE PROVINCE GROUP UPDATE

Retrieves Province Group data from Screen 348. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C] PPT216 - SCREEN 351 - CANADIAN TAX REPORTING MENU UPDATE

Retrieves the selected HRMS Tables File (CTR) record type from the Canadian Tax Reporting Menu screen. If valid, control is passed to the selected inquiry program. The Status Phase I program is PPTENT.

[C] PPT217 - SCREEN 352 - CANADIAN REGULATORY PARAMETER MENU UPDATE

Retrieves the selected HRMS Tables File (CPC) record type from the Canadian Regulatory Parameter Control Menu screen. If valid, control is passed to the selected inquiry program. The Status Phase I program is PPTENT.

[C] PPT218 - SCREEN 353 - RELEVE 1/RELEVE 2 TAPE INDICATORS INQUIRY

Reads the HRMS Tables File to retrieve Tape/Form Indicators data. Formats the data and displays it on Screen 353. This data is on a CRL record type with a record code of SRO003.

[C] PPT219 - SCREEN 353 - RELEVE 1/RELEVE 2 TAPE INDICATORS UPDATE

Retrieves Releve 1/Releve 2 Tape Indicator data from Screen 353. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT22I - SCREEN 422 - U.S. STATE W-2 REPORTING DETAIL INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State W-2 Reporting data for the organization specified. Formats the data and displays it on Screen 422. This data is on a PW2 record type with a record code of TZ1.

[P] PPT22U - SCREEN 422 - U.S. STATE W-2 REPORTING DETAIL INFORMATION UPDATE

Retrieves U.S. State W-2 Reporting data entered on Screen 422. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[C]PPT224 - SCREEN 372 - CANADIAN CHARITABLE DONATIONS INQUIRY

Reads the HRMS Tables File to retrieve Canadian Charitable Donations data for the organization specified. Formats the data and displays it on Screen 372. If CHARITABLE DONATIONS (FORM T4A) is selected on the CANADIAN TAX SEGMENT DOE'S MENU (screen 318), data from the CSD record type with a record code of TM-T4AJ is displayed, one record per screen. If CHARITABLE DONATIONS (FORM T4/RELEVE 1) is selected, four TM-T4D records will be displayed.

[C]PPT225 - SCREEN 372 - CANADIAN CHARITABLE DONATIONS INQUIRY

Retrieves Charitable Donations data from Screen 372. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT23I - SCREEN 423 - U.S. STATE W-2 REPORTING DETAIL INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State W-2 Reporting data for the organization specified. Formats the data and displays it on Screen 423. This data is on a PW2 record type with a record code of TZ1.

[P] PPT23U - SCREEN 423 - U.S. STATE W-2 REPORTING DETAIL INFORMATION UPDATE

Retrieves U.S. State W-2 Reporting data entered on Screen 423. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT24I - SCREEN 424 - U.S. STATE W-2 REPORTING DETAIL INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State W-2 Reporting data for the organization specified and the state selected. Formats the data and displays it on Screen 424. This data is on a PW2 record type with a record code of TZ1.

[P] PPT24U - SCREEN 424 - U.S. STATE W-2 REPORTING DETAIL INFORMATION UPDATE

Retrieves U.S. State W-2 Reporting data entered on Screen 424. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT25I - SCREEN 425 - U.S. STATE TZ1-100-M REPORTING INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State TZ1-100-M reporting data for the organization specified and the state selected. Formats the data and displays it on Screen 425. This data is on a PW2 record type with a record code of TZ1.

[P] PPT25U - SCREEN 425 - U.S. STATE TZ1-100-M REPORTING INFORMATION UPDATE

Retrieves U.S. State TZ1-100-M reporting data entered on Screen 425. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[P] PPT26I - SCREEN 426 - U.S. STATE TZ1-100-N REPORTING INFORMATION INQUIRY

Reads the HRMS Tables File to retrieve the U.S. State TZ1-100-N reporting data for the organization specified, the state selected and the record type. Formats the data and displays it on Screen 426. This data is on a PW2 record type with a record code of TZ1.

[P] PPT26U - SCREEN 426 - U.S. STATE TZ1-100-N REPORTING INFORMATION UPDATE

Retrieves U.S. State W-2 Reporting data entered on Screen 426. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[Q] PPT300 - SCREEN 323 - MASTER FILE ACCESS CONTROL MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File (AA0) record type from the Master File Access Control Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Master File Access Control inquiry program. The Status Phase I program is PPTENT.

[Q] PPT301 - SCREEN 324 - NORMAL INPUT FILES INQUIRY

Reads the HRMS Tables File to retrieve Normal Input File data. Formats the data and displays it on Screen 324. This data is on an AA0 record type with a record code of T00-001.

[Q] PPT302 - SCREEN 324 - NORMAL INPUT FILES UPDATE

Retrieves Normal Input File data from Screen 324. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[Q] PPT303 - SCREEN 325 - EMPLOYEE MASTER FILE ACCESS MODES INQUIRY

Reads the HRMS Tables File to retrieve Employee Master File Access Mode data. Formats the data and displays it on Screen 325. This data is on an AA0 record type with a record code of T00-002.

[Q] PPT304 - SCREEN 325 - EMPLOYEE MASTER FILE ACCESS MODES UPDATE

Retrieves Employee Master File Access Mode data from Screen 325. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[Q] PPT305 - SCREEN 326 - FILE CONTROL PROCESSING MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File AA1 record type from the File Control Processing Menu screen. Security and logical enqueue are validated for the selected record type. If valid, control is passed to the selected Master File Access Control inquiry program. The Status Phase I program is PPTENT.

[Q] PPT306 - SCREEN 327 - EMPLOYEE MASTER FILE CONTROL INQUIRY

Reads the HRMS Tables File to retrieve Employee Master File Control data. Formats the data and displays it on Screen 327. This data is on an AA1 record type with a record code of T01-001.

[Q] PPT307 - SCREEN 327 - EMPLOYEE MASTER FILE CONTROL UPDATE

Retrieves Employee Master Control data from Screen 327. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[Q] PPT308 - SCREEN 328 - ORGANIZATION FILE CONTROL INQUIRY

Reads the HRMS Tables File to retrieve Organization File Control data. Formats the data and displays it on Screen 328. This data is on an AA1 record type with a record code of T01-002.

[Q] PPT309 - SCREEN 328 - ORGANIZATION FILE CONTROL UPDATE

Retrieves Organization File Control data from Screen 328. If changes were made by the terminal operator, edits the data and updates the HRMS Tables File.

[Q] PPT390 - SCREEN 390 - IE FIELD SECURITY MENU

[Q] PPT391 - SCREEN 391 - IE SECURITY - INQUIRY

[Q] PPT392 - SCREEN 391 -IE SECURITY - UPDATE

[P] PPT400 - SCREEN 400 - U.S. FEDERAL, STATE, LOCAL TAX AND PAYROLL W-2 DATA MENU -STATUS PHASE II

Retrieves the selected HRMS Tables File record types (PGD or PW2) and starting values (if applicable) from the menu screen. Security and logical enqueues are validated for the selected record types. If valid, control is passed to the selected screen inquiry program. The Status Phase I program is PPTENT.

[P] PPT404 - SCREEN 404 - W-2 DOE DEFINITION DATA MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PW2 record type from the menu screen. Security and logical enqueues are validated for the selected record type. If valid, control is passed to the selected screen inquiry program. The Status Phase I program is PPTENT.

[P] PPT420 - SCREEN 420 - U.S. STATE W-2 REPORTING INFORMATION MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File PW2 record type from the menu screen. Security and logical enqueues are validated for the selected record type. If valid, control is passed to the selected screen inquiry program. The Status Phase I program is PPTENT.

[P] PPT450 - SCREEN 450 - U.S. TAX CONSTANTS AND LOCAL AUTHORITIES MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File tax constants or local authority records for the menu screen selection. Security and logical enqueues are validated for the selected record type. If valid, control is passed to the selected screen inquiry program. The Status Phase I program is PPTENT.

[P] PPT460 - SCREEN 460 - U.S. AUTHORITY-SPECIFIC CONSTANT MENU - STATUS PHASE II

Retrieves the selected HRMS Tables File tax constants records for the menu screen selection. Security and logical enqueues are validated for the selected record type. If valid, control is passed to the selected screen inquiry program. The Status Phase I program is PPTENT.

[P] PPT51I - SCREEN 451 - U.S. FEDERAL UNEMPLOYMENT TAX RATE MENU INQUIRY

Reads the HRMS Tables File to retrieve U.S. federal unemployment tax rate data for the specified state. Formats the data and displays it on Screen 451. This data is on a FDUNMPRATE tax constant record.

[P] PPT51U - SCREEN 451 - U.S. FEDERAL UNEMPLOYMENT TAX RATE MENU UPDATE

Retrieves U.S. federal unemployment tax rate data from Screen 451. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT52I - SCREEN 452 - U.S. FEDERAL UNEMPLOYMENT TAX RATE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve U.S. federal unemployment tax rate data for the state record selected from Screen 451. Formats the data and displays it on Screen 452. This data is on a FDUNMPRATE tax constant record.

[P] PPT52U - SCREEN 452 - U.S. FEDERAL UNEMPLOYMENT TAX RATE MAINTENANCE UPDATE

Retrieves U.S. federal unemployment tax rate data from Screen 452. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT53I - SCREEN 453 - U.S. STATE EMPLOYER UNEMPLOYMENT RATE MENU INQUIRY

Reads the HRMS Tables File to retrieve U.S. state employer unemployment rate data for the specified organization and state. Formats the data and displays it on Screen 453. This data is on an ERUNMPRATE tax constant record.

[P] PPT53U - SCREEN 453 - U.S. STATE EMPLOYER UNEMPLOYMENT RATE MENU UPDATE

Retrieves U.S. state employer unemployment tax rate data from Screen 453. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT54I - SCREEN 454 - U.S. STATE EMPLOYER UNEMPLOYMENT RATE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve U.S. state employer unemployment rate data for the record selected from Screen 453. Formats the data and displays it on Screen 454. This data is on a ERUNMPRATE tax constant record.

[P] PPT54U - SCREEN 454 - U.S. STATE EMPLOYER UNEMPLOYMENT TAX MAINTENANCE UPDATE

Retrieves U.S. state employer unemployment rate data from Screen 454. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT55I - SCREEN 455 - U.S. STATE EMPLOYEE DISABILITY RATE MENU INQUIRY

Reads the HRMS Tables File to retrieve U.S. state employee disability rate data for the specified organization and state. Formats the data and displays it on Screen 455. This data is on an EEDISRATE tax constant record.

[P] PPT55U - SCREEN 455 - U.S. STATE EMPLOYEE DISABILTIY RATE MENU UPDATE

Retrieves U.S. state employee disability rate data from Screen 455. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT56I - SCREEN 456 - U.S. STATE EMPLOYEE DISABILITY RATE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve U.S. state employee disability rate data for the record selected from Screen 455. Formats the data and displays it on Screen 456. This data is on an EEDISRATE tax constant record.

[P] PPT56U - SCREEN 456 - U.S. STATE EMPLOYEE DISABILITY RATE MAINTENANCE UPDATE

Retrieves U.S. state employee disability rate data from Screen 456. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT57I - SCREEN 457 - U.S. LOCAL AUTHORITIES MENU INQUIRY

Reads the HRMS Tables File to retrieve U.S. local authority tax data for the specified organization and local. Formats the data and displays it on Screen 457.

[P] PPT57U - SCREEN 457 - U.S. LOCAL AUTHORITIES MENU UPDATE

Retrieves U.S. local authority tax data from Screen 457. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT58I - SCREEN 458 - U.S. LOCAL AUTHORITIES MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve U.S. local authority tax data for the record selected from Screen 457. Formats the data and displays it on Screen 458.

[P] PPT58U - SCREEN 458 - U.S. LOCAL AUTHORITIES MAINTENANCE UPDATE

Retrieves U.S. local authority tax data from Screen 458. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT61I - SCREEN 461 - SUPPLEMENTAL WAGES DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve supplemental wages DOE data for the specified organization. Formats the data and displays it on Screen 461. This data is on a DEFCOMPDOE tax constant record.

[P] PPT61U - SCREEN 461 - SUPPLEMENTAL WAGES DOE MENU UPDATE

Retrieves supplemental wages DOE data from Screen 461. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT62I - SCREEN 462 - SUPPLEMENTAL WAGES DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve supplemental wages DOE data for the record selected from Screen 461. Formats the data and displays it on Screen 462. This data is on a DEFCOMPDOE tax constant record.

[P] PPT62U - SCREEN 462 - SUPPLEMENTAL WAGES DOE MAINTENANCE UPDATE

Retrieves supplemental wages DOE data from Screen 462. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT63I - SCREEN 463 - ARIZONA BYPASS DECEMBER WITHHOLDING MENU INQUIRY

Reads the HRMS Tables File to retrieve Arizona bypass December withholding data for the specified organization. Formats the data and displays it on Screen 463. This data is on a BYPASSTAX tax constant record.

[P] PPT63U - SCREEN 463 - ARIZONA BYPASS DECEMBER WITHHOLDING MENU UPDATE

Retrieves Arizona bypass December withholding data from Screen 463. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT64I - SCREEN 464 - ARIZONA BYPASS DECEMBER WITHHOLDING MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Arizona bypass December withholding data for the record selected from Screen 463. Formats the data and displays it on Screen 464. This data is on a BYPASSTAX tax constant record.

[P] PPT64U - SCREEN 464 - ARIZONA BYPASS DECEMBER WITHHOLDING MAINTENANCE UPDATE

Retrieves Arizona bypass December withholding data from Screen 464. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT65I - SCREEN 465 - INDIANA AEIC DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve Indiana advance earned income credit DOE data for the specified organization. Formats the data and displays it on Screen 465. This data is on an INAEICDOE tax constant record.

[P] PPT65U - SCREEN 465 - INDIANA AEIC DOE MENU UPDATE

Retrieves Indiana advance earned income credit DOE data from Screen 465. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT66I - SCREEN 466 - INDIANA AEIC DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Indiana advance earned income credit DOE data for the record selected from Screen 465. Formats the data and displays it on Screen 466. This data is on an INAEICDOE tax constant record.

[P] PPT66U - SCREEN 466 - INDIANA AEIC DOE MAINTENANCE UPDATE

Retrieves Indiana advance earned income credit DOE data from Screen 466. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT67I - SCREEN 467 - NEW JERSEY FAMILY LEAVE INSURANCE MENU INQUIRY

Reads the HRMS Tables File to retrieve New Jersey family leave insurance rate data for the specified organization. Formats the data and displays it on Screen 467. This data is on an EEFLIRATE tax constant record.

[P] PPT67U - SCREEN 467 - NEW JERSEY FAMILY LEAVE INSURANCE MENU UPDATE

Retrieves New Jersey family leave insurance rate data from Screen 467. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT68I - SCREEN 468 - NEW JERSEY FAMILY LEAVE INSURANCE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve New Jersey family leave insurance rate data for the record selected from Screen 467. Formats the data and displays it on Screen 468. This data is on an EEFLIRATE tax constant record.

[P] PPT68U - SCREEN 468 - NEW JERSEY FAMILY LEAVE INSURANCE MAINTENANCE UPDATE

Retrieves New Jersey family leave insurance rate data from Screen 468. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT69I - SCREEN 469 - OHIO SCHOOL DISTRICT USER EXIT DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve Ohio school district user exit DOE data for the specified organization. Formats the data and displays it on Screen 469. This data is on an OHSDITDOE tax constant record.

[P] PPT69U - SCREEN 469 - OHIO SCHOOL DISTRICT USER EXIT DOE MENU UPDATE

Retrieves Ohio school district user exit DOE data from Screen 469. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT70I - SCREEN 470 - OHIO SCHOOL DISTRICT USER EXIT DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Ohio school district user exit DOE data for the record selected from Screen 469. Formats the data and displays it on Screen 470. This data is on an OHSDITDOE tax constant record.

[P] PPT70U - SCREEN 470 - OHIO SCHOOL DISTRICT USER EXIT DOE MAINTENANCE UPDATE

Retrieves Ohio school district user exit DOE data from Screen 470. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[P] PPT71I - SCREEN 471 - WISCONSIN AEIC DOE MENU INQUIRY

Reads the HRMS Tables File to retrieve Wisconsin advance earned income credit DOE data for the specified organization. Formats the data and displays it on Screen 471. This data is on a WIAEICDOE tax constant record.

[P] PPT71U - SCREEN 471 - WISCONSIN AEIC DOE MENU UPDATE

Retrieves Wisconsin advance earned income credit DOE data from Screen 471. If the terminal operator specified an insert, edits the inserted data and updates the HRMS Tables File.

[P] PPT72I - SCREEN 472 - WISCONSIN AEIC DOE MAINTENANCE INQUIRY

Reads the HRMS Tables File to retrieve Wisconsin advance earned income credit DOE data for the record selected from Screen 471. Formats the data and displays it on Screen 472. This data is on a WIAEICDOE tax constant record.

[P] PPT72U - SCREEN 472 - WISCONSIN AEIC DOE MAINTENANCE UPDATE

Retrieves Wisconsin advance earned income credit DOE data from Screen 472. If the terminal operator made changes, edits the data and updates the HRMS Tables File.

[Q] PPT800 - SCREEN 300 - APPLICATION MENU SCREEN - STATUS PHASE I OR RECORD TYPE MENU SCREEN - STATUS PHASE I

Displays a menu of HRMS Tables File applications on the Application Menu screen
OR
Displays a menu of HRMS Tables File subapplications on the Record Type Menu screen.

[Q] PPT801 - SCREEN 300 - APPLICATION MENU SCREEN - STATUS PHASE II OR RECORD TYPE MENU SCREEN - STATUS PHASE II

Retrieves the selected HRMS Tables File applications from the Application Menu screen and passes control to the specific Record type Menu screen
OR
Retrieves the selected HRMS Tables File subapplication from the Record Type Menu screen and passes control to the specific Record Type Menu screen.

Realtime Tables File - Common Assembler Programs

I/O Modules

[8]	PJQFPL	[8]	PJQFRC	[8]	PNQ50M	[8]	PNQ50S
[8]	PNQ50I	[8]	PNQ51M	[8]	PNQ51R	[8]	PNQ52I
[8]	PNQ53S						

Common Assembler Programs

In the realtime environment, you cannot have a COBOL to COBOL call. These assembler modules provide the necessary access between program and subprogram.

[P] PJQCL2 - SCREEN-TO-SCREEN TRANSFER - ONLINE CHECK CALCULATION

This module provides the access to call PPQCL2.

[P] PJQOP2 - SCREEN-TO-SCREEN TRANSFER - ONLINE CHECK CALCULATION

This module provides the access to call PPQOP2.

[P] PJQXC2 - SCREEN-TO-SCREEN TRANSFER - ONLINE CHECK CALCULATION

This module provides the access to call PPQXC2.

[C] PJTCAN - GER CANADIAN EDIT DICTIONARY

This module provides the access for PPTGER to call PPTCAN.

[0] PJTGER - GENERAL EDIT ROUTINE

This module provides the access for PPTGER to call PPTCAN, PPTPAY, PPTPMR, and PPTRUN.

[0] PJTGPD - GENERAL EDIT ROUTINE - PAYROLL REGULATORY REPORTING

This module provides the access to call PPTGPD.

[P] PJTIOP - AUDIT TABLES FILE I/O PROGRAM

This module provides the access for PPTIOP to call PNV01O and PNQ01I.

[P] PJTMNU - SCREEN-TO-SCREEN TRANSFER

This module provides the access for each screen to call PNTMNU.

[P] PJTPAY - GER PAYROLL EDIT DICTIONARY

This module provides the access for PPTGER to call PPTPAY.

[P] PJTPCE - COMMON EDIT ROUTINE - PAYROLL REGULATORY REPORTING

This module provides the access for each screen to call PPTPCE.

[P] PJTPDM - SCREEN-TO-SCREEN TRANSFER - PAYROLL REGULATORY REPORTING

This module provides the access for each screen to call PPTPDM.

[P] PJTRUN - GER RUN CONTROL EDIT DICTIONARY

This module provides the access for PPTGER to call PPTRUN.

[P] PJTSCM - SCREEN COMMAND PROCESSOR - PAYROLL REGULATORY REPORTING

This module provides the access for PPT035 to call PPTSCM.

[P] PJT802 - MENU SCREEN PROCESS

This assembler module displays the HRMS Tables File menu labels for the version of the system you have installed.

10 Extended Product Security

Chapter Contents

10-1 Introduction
10-2 Technical Overview of Extended Product Security
10-4 Setting Up and Maintaining Security
10-5 Special Considerations

Introduction

This chapter describes extended product security. It includes instructions for setting up and maintaining extended product security to meet the needs of your organization.

Technical Overview of Extended Product Security

The HCM:E online/realtime system provides additional levels of screen security using the Data Communication Interface (DCI) extended product security in addition to selective security. Extended product security can be set up for HCM:E and maintained using realtime screens or batch transactions. An audit trail of all realtime extended product security changes is maintained

For more information about the DCI extended product security functionality, see the *DCI Application Development Guide*.

How Extended Product Security Works

HCM:E extended product security defines HCM:E-specific operator security records for the DCI LKPDSEC File. A screen variable file (PKO900) is also used to determine what fields are contained on each HCM:E online and realtime screen.

Extended product security can be defined to deny an operator access to screens or allow an operator inquiry-only access to screens. Security can be defined by Level 1/Level 2 combination, and it can be defined in the following ways:

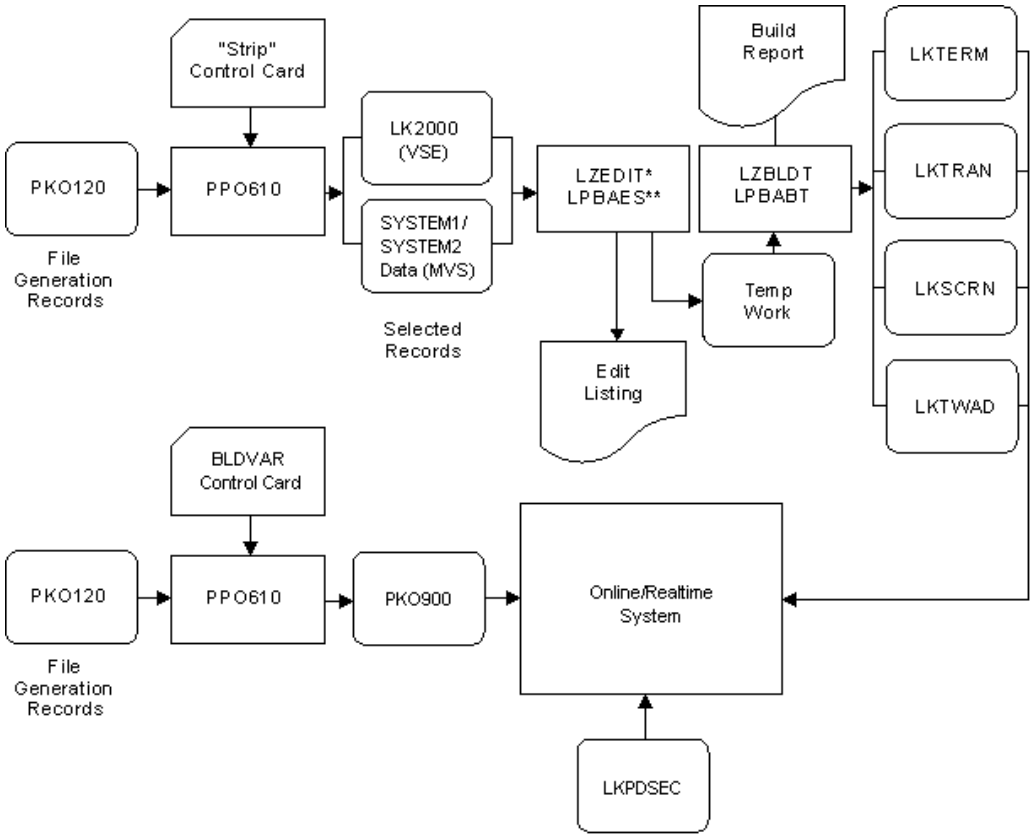
- **Globally** - an operator is denied access or granted inquiry-only access to all screens
- **By Tables File application ID** - an operator is denied access or granted inquiry-only access to screens based on the Tables File application ID. For a list of Tables File application IDs, see Using Realtime Tables File Screens in the System Overview chapter of the *Screen Reference Guide*.
- **By Screen range** - an operator is denied access or granted inquiry-only access to a range of screens. Up to 25 screen ranges can be defined.
- **By individual screen** - an operator is denied access or granted inquiry-only access to an individual screen. Up to 70 screens can be defined.

Extended Product Security Processing

When an online or realtime screen is accessed, the LKPDSEC File is read to determine whether the operator has extended product security for the screen and organization. If the screen access defined is inquiry only, the screen variable table is read so that each field on the screen can be protected.

Diagram

This diagram shows the system flow for extended product security:



Setting Up and Maintaining Security

Operator security information for extended product security is set up and maintained on the DCI LKPDSEC File. Operator security can be maintained using realtime screens or batch transactions. The PPO670 batch program can be run to produce a report of all operator security record information.

To allow inquiry-only security, the Screen Variable File (PKO900) must contain the most current online system records.

Screen Variable File

The PPO610 file maintenance program for the PKO120 file is used to build the PKO900 file. The following table describes the process for creating the PKO900 file.

Stage	Description
1	The records on PKO120 are used to create PKO900. **Note:** PKO120 contains records describing every screen for System 1 and System 2.
2	The records are stripped out to a work file by the **BLDVAR** function of the PPO610 program.
3	The screen variable records are written to PKO900.
4	PKO900 is accessed by online/realtime programs when an operator's extended product security is set to inquiry only.

Each time PKO120 is updated (by running either PPO600 to generate System 1 or System 2 online screens or PPO610 to update realtime screen data), PKO900 must be rebuilt.

Recommendation: When PPO610 is run using the **STRIP** function, run it again using the **BLDVAR** function.

LKPDSEC

Extended product security can be set up and maintained using realtime screens 900 through 904 or Operator Security batch transactions and the PPO660 batch program to update the LKPDSEC file.

For information about

- Using realtime screens 900 through 904, see the *Screen Reference Guide*.
- Operator Security batch transactions, see the OS-0, OS-1, OS-2, OS-3, and OS-4 transactions in the *Transaction Descriptions* guide.

Special Considerations

Because fields can be placed on a screen in any order and at almost any position, the generator needs to have certain information about each of the fields on the screen, for example, how long it is, whether it is alphabetic or numeric, where it is on the Employee Master File, and how many decimal places to display for it (if it is a numeric field).

Security Hierarchy

Extended product security settings are checked in the following order:

1. Global security
2. Tables File application ID
3. Menu
4. Screen range
5. Individual screen

Inquiry-only access defined at a higher level can be overridden by denying access at a lower level as shown in the following table:

If screen access is inquiry only...	Then screen access can be denied at the...
Globally	▪ Tables File application ID level ▪ Menu level ▪ Screen range level ▪ Individual screen level
At the Tables File application ID level	▪ Menu level ▪ Screen range level ▪ Individual screen level
At the Menu level	▪ Screen range level ▪ Individual screen level
At the Screen range level	▪ Individual screen level

Level 1/Level 2 Values

Extended product security can be defined to cross Level 2 boundaries by specifying a Level 2 value of ** (asterisk, asterisk). For example, if you enter a Level 1/Level 2 of **AA****, all Level 2 values under Level 1 AA will have the same extended product security definition.

You can override lower-level security for the ** Level 2 value or individual Level 2 values as shown in the following table:

Security Level	Security Value	Level 1/Level 2
Global	Inquiry	AA**
Tables File application ID	Not Allowed	AA**
Menu	Not Allowed	AABB
Screen range	Not Allowed	AACC
Individual screen	Not Allowed	AADD

The following screens are not applicable to a specific Level 1/Level 2 and need to be secured using a special value:

- U.S. Federal Unemployment Tax Rate (451)
- Online Check Calculation Menu (500)
- Online Check Calculation Gross Pay Information (501)
- Online Check Calculation DOE Information (502)
- Online Check Calculation Online Function (504)
- Online Check Calculation Status Menu (505)
- Installation Audit Menu (950)
- Installation Audit Individual Bulletin/KB (951)
- Installation Audit Bulletin Collection (952)
- Installation Audit Date List (953)

If you want to define extended product security for these screens to deny access or allow inquiry-only access, enter *^*^ (asterisk, space, asterisk, space) for the Level 1/Level 2 values.

Canadian Organization Pay Period Table

The Canadian Organization Pay Period Table (CPT) realtime screen (370) has to be secured as part of a screen range or an individual screen because neither Screen 901 nor the OS-1 batch transaction has a selection for the CPT application ID.

Securing Extended Product Security Screens

The HCM:E Extended Product Security screens (900 through 904) can be secured using DCI selective security or the screens themselves.

Grant at least one DCI operator access to the Extended Product Security screens unless you plan to perform all extended product security maintenance using batch transactions only.

Operators should **not** enter extended product security information on the 901 through 904 screens for their own operator ID to prevent locking themselves out of these screens.

Appendix A Logical Record Cross-References

Appendix Contents

A-1 Introduction
A-2 I.E. Logical Record IDs
A-8 Logical Record to Copybook Cross-Reference
A-13 Copybook to Logical Record Cross-Reference

Introduction

This appendix contains the I.E. logical record IDs, logical record to copybook cross-reference, and copybook to logical record cross-reference.

I.E. Logical Record IDs

Record ID	Record Description
J0A10A	HR-PC-FILE-HEADER-RECORD
J1A10A	ORG-PC-COMMON-INFO-RECORD
J1A20A	ORG-PC-RUN-CONTROL-INFO-REC
J1B10A	ORG-PC-REPORT-OPTIONS-RECORD
J1C10A	ORG-USER-PC-INFORMATION-REC
J2A10A	POS-GENERAL-HEADER-INFO-REC
J2B10A	POS-HEADER-REQMT-INFO-RECORD
J2C10A	POS-SKILL-REQMT-INFO-RECORD
J2D10A	POS-USER-INFORMATION-RECORD
J3A10A	POS-DTL-STATUS-DATE-INFO-REC
J3B10A	POS-DTL-SALARY-INFO-RECORD
J3C10A	POS-DTL-SPLIT-INFO-RECORD
J3D10A	POS-DTL-EVAL-RECORD
J3E10A	POS-DTL-USER-INFORMATION-REC
J9A10A	ORG-POS-TRAILER-RECORD
J9B10A	HR-PC-FILE-TRAILER-RECORD
M0A10A	HR-FILE-HEADER-RECORD
M1A10A	ORG-COMMON-INFORMATION-REC
M1A20A	ORG-ADDRESS-RECORD
M1A30A	ORG-GENL-PAYROLL-INFO-1-REC
M1B10A	ORG-BANK-INFORMATION-RECORD
M1B20A	ORG-PAYROLL-PROC-IND-RECORD
M1B30A	ORG-CHECK-INFORMATION-RECORD
M1B40A	ORG-RUN-CONTROL-INFO-RECORD
M1C10A	ORG-1099-DOE-RECORD
M1C20A	ORG-BANK-SERVICE-INFO-RECORD
M1D10A	ORG-LABOR-DISTR-PROC-IND-REC
M1D20C	ORG-CAN-LABOR-DISTR-TAX-REC
M1D20U	ORG-LABOR-DISTR-TAX-RECORD
M1D30A	ORG-GL-PROCESSING-IND-RECORD
M1D40C	ORG-CAN-GL-TAX-RECORD
M1D40U	ORG-GL-TAX-RECORD

Record ID	Record Description
M1E10C	ORG-CAN-VACATION-INFO-RECORD
M1G10A	ORG-USER-PAYROLL-INFO-RECORD
M1H10A	ORG-DOE-ASSUMPTION-INFO-REC
M1L10A	ORG-PERS-REPORT-OPTIONS-REC
M1M10A	ORG-BEN-REPORT-OPTIONS-REC
M1M20A	ORG-SS-OASDI-OPTIONS-RECORD
M1N10A	ORG-BENEFIT-PLAN-ID-RECORD
M1O10A	ORG-LR-REPORT-OPTIONS-RECORD
M1P10A	ORG-USER-PERSONNEL-INFO-REC
M1Q10U	ORG-SECT-89-BEN-PLAN-SEL-REC
M2A10A	EMP-COMMON-INFORMATION-REC
M2A20A	EMP-NORMAL-PAY-INFO-RECORD
M2A30A	EMP-ADDRESS-RECORD
M2A40A	EMP-PAYROLL-PROC-IND-RECORD
M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
M2A60A	EMP-PAYROLL-PREVIOUS-PAY-REC
M2A70A	EMP-COMMISSION-TAX-INFO-REC
M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
M2A90U	EMP-EMPLMT-TERM-CODE-RECORD
M2AD1A	EMP-PLAN-RECORD
M2AD2A	EMP-DEP-BASIC-RECORD
M2AD3A	EMP-DEP-PLAN-RECORD
M2AD4A	EMP-SUP-ADDR-RECORD
M2B10A	EMP-GENL-PAYROLL-ACCUM-REC
M2B20C	EMP-CAN-TAX-WHOLD-ACCUM-REC
M2B20U	EMP-TOT-TAX-WHOLD-ACCUM-REC
M2C10C	EMP-CAN-TAXBL-WAGE-ACCUM-REC
M2C20C	EMP-CAN-TAX-CONTROL-INFO-REC
M2C20U	EMP-TAX-CONTROL-INFO-RECORD
M2D10A	EMP-CHECK-INFO-AND-EMAIL-REC
M2D20A	EMP-BANK-INFORMATION-RECORD
M2E10A	EMP-BOND-INFORMATION-RECORD
M2F10A	EMP-SALARY-SPLIT-INFO-RECORD

Record ID	Record Description
M2G10A	EMP-HOURS-ACCUMULATORS-REC
M2G10B	EMP-SPEC-HOURS-ACCUM-REC
M2H10A	EMP-DOE-INFORMATION-RECORD
M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC
M2H20U	EMP-DOE-TAX-OPTIONS-RECORD
M3A10C	EMP-T4-DOE-REPORTING-RECORD
M3A10U	EMP-SALTA-RECORD1
M3A20C	EMP-T4-REPORTING-RECORD
M3A20U	EMP-SALTA-RECORD2
M3A30C	EMP-T4A-REPORTING-RECORD
M3A40C	EMP-RELV1-REPORTING-RECORD
M3A50C	EMP-RELV2-REPORTING-RECORD
M3A60U	EMP-FEDERAL-TAX-ACCUM-RECORD
M3A70U	EMP-FEDERAL-WAGE-ACCUM-REC
M3A80U	EMP-TIPS-CREDIT-ACCUM-RECORD
M4A10C	EMP-EI-QPIP-INS-EARN-REC
M4A20C	EMP-CAN-VACATION-ACCUM-REC
M4A30C	EMP-CAN-GENERAL-INFO-RECORD
M5A10A	EMP-USER-PAYROLL-RECORD
M6A10A	EMP-GENERAL-PERS-INFO-3-REC
M6B10A	EMP-MILITARY-INFORMATION-REC
M6B20A	EMP-EDUCATION-INFO-RECORD
M6C10A	EMP-INSURANCE-INFO-RECORD
M6C20A	EMP-RETIREMENT-INFO-RECORD
M6C30A	EMP-PROPERTY-INFO-RECORD
M6C40A	EMP-GENERAL-BEN-INFO-RECORD
M6C50A	EMP-SS-OASDI-OPTIONS-RECORD
M6C60A	EMP-SS-OASDI-PIA-MFB-RECORD
M6D10A	EMP-PERFORMANCE-REVIEW-REC
M6E10A	EMP-SALARY-CHANGE-RECORD
M6F10A	EMP-SKILLS-INFORMATION-REC
M6G10A	EMP-TRANSFER-INFORMATION-REC
M6H10A	EMP-CHILD-INFORMATION-RECORD
M6H20A	EMP-GENERAL-HEALTH-RECORD

Record ID	Record Description
M6I10A	EMP-INJURY-INFORMATION-REC
M6I20A	EMP-PERS-HOURS-ACCUM-RECORD
M6J10A	EMP-GENERAL-PERS-INFO-1-REC
M6J20A	EMP-PERS-SERVICE-INFO-RECORD
M6J30A	EMP-WORKFORCE-UTILZ-INFO-REC
M6J40A	EMP-GENERAL-PERS-INFO-2-REC
M6J50A	EMP-EEO-INFORMATION-RECORD
M6J60A	EMP-CONF-ANNUAL-SALARY-REC
M6J70A	EMP-POS-RELATED-SALARY-REC
M6K10A	EMP-DFR-PLAN-RECORD
M6K20A	EMP-DFR-SS-PLAN-OFST-OPT-REC
M6K30A	EMP-DFR-SS-OFST-PIA-MFB-REC
M6K40A	EMP-NDFR-PLAN-RECORD
M6K50A	EMP-DFR-PLAN-ID-RECORD
M6K60A	EMP-NDFR-PLAN-ID-RECORD
M6L10A	EMP-BEN-HOURS-EARN-INFO-REC
M6L20A	EMP-HOURS-EARN-ACCUM-ID-REC
M6M10A	EMP-BENEFICIARY-RECORD
M6N10A	EMP-ELAPSED-TIME-RECORD
M6O10A	EMP-USER-DATES-RECORD
M6Q10C	EMP-EEA-INFORMATION-RECORD
M6Q20C	EMP-EEA-ORG-SUMMARY-INFO-REC
M6R10U	EMP-BEN-SECTION-89-ACCUM-REC
M6R20U	EMP-BEN-DISCRIMINATION-REC
M7A10A	EMP-LR-CURRENT-SENIORITY-REC
M7A20A	EMP-LR-LAYOFF-RECALL-RECORD
M7B10A	EMP-LR-UNION-INFO-RECORD
M7C10A	EMP-LR-DISCIPLINE-RECORD
M7D10A	EMP-LR-GRIEVANCE-RECORD
M7E10A	EMP-LR-HIST-SENIORITY-RECORD
M8A10A	EMP-USER-PERSONNEL-1-RECORD
M8B10A	EMP-USER-PERSONNEL-2-RECORD
M9A10A	ORG-COMMON-TRAILER-INFO-REC
M9A20A	ORG-PAYROLL-TRAILER-INFO-REC

Record ID	Record Description
M9B10A	HR-COMMON-FILE-TRAILER-REC
M9B20A	HR-PAYROLL-FILE-TRAILER-REC
OCC010	EMP-CHECK-INFO-PRINT-RECORD
TCA10C	ORG-EEA-EMPLOYER-INFO-RECORD
TCA20C	ORG-EEA-INDST-SECTOR-RECORD
TCA30C	ORG-EEA-OCCUP-GROUP-RECORD
TJA10A	POS-NARRATIVE-RECORD
TJB10A	ORG-SALARY-SPEC-RECORD
TJB20A	ORG-SALARY-TABLE-RECORD
TMA10A	HR-GEOGRAPHIC-PREF-RECORD
TMB10A	HR-RESIDENCE-TYPE-RECORD
TMC10A	HR-RELIGIOUS-PREF-RECORD
TMD10A	HR-DEGREE-TYPE-RECORD
TME10A	HR-FIELD-OF-STUDY-RECORD
TMF10A	HR-GROUP-HEALTH-INS-RECORD
TMG10A	HR-PROMOTION-READINESS-REC
TMH10A	HR-SALARY-CHANGE-REASON-REC
TMI10A	HR-SKILL-FUNCTION-RECORD
TMJ10A	HR-SKILL-SUBFUNCTION-RECORD
TMK10A	HR-SKILL-PROFICIENCY-RECORD
TML10A	HR-TRANSFER-REASON-RECORD
TMM10A	HR-GENERAL-HEALTH-RECORD
TMN10A	HR-TERMINATION-REASON-RECORD
TMO10A	HR-REHIRE-CONSIDERATION-REC
TMP10A	HR-LEAVE-ABSENCE-REASON-REC
TPI10A	ORG-GENL-DOE-INFORMATION-REC
TPI20C	ORG-CAN-DOE-INFORMATION-REC
TPI20U	ORG-DOE-TAX-OPTIONS-RECORD
TPI30A	ORG-DOE-EMPLR-CONTRIB-RECORD
TPI40A	ORG-SPECIAL-HOURS-RECORD
TPI50A	ORG-STEP-DOE-INFO-RECORD
TPI60A	ORG-TABLED-AMOUNT-RECORD
TPID1A	ORG-PLAN-CARRIER-RECORD
TPID2A	ORG-DEP-RELATIONSHIP-RECORD

Record ID	Record Description
TPID3A	ORG-DEP-STATUS-RECORD
TPID4A	ORG-PLAN-STATUS-RECORD
TPID5A	ORG-PLAN-COVG-TYPE-RECORD
TPID6A	ORG-CNTRY-RECORD
TUA10A	ORG-LR-DISCIPLINE-DESC-REC
TUB10A	ORG-LR-GRIEVANCE-DESC-RECORD
TUC10A	ORG-LR-VIOLATION-DESC-RECORD
TUD10A	ORG-LR-SETL-RESULT-DESC-REC
TUE10A	ORG-LR-POS-NO-STRUC-RECORD
TXA10A	ORG-DOCUMENT-WARNING-SYS-REC
TXB10A	ORG-BEN-HOURS-ACCUM-RECORD
TXC10A	ORG-BEN-EARNINGS-ACCUM-REC
TXD10A	ORG-DFR-VESTING-SCHEDULE-REC
TXD20A	ORG-VEST-PRTL-CR-SCHED-REC
TXD30A	ORG-BEN-PARTIAL-CR-SCHED-REC
TXD40A	ORG-SERV-SPANNING-CREDIT-REC
TXE01A	ORG-DFR-GENERAL-INFO-RECORD
TXE02A	ORG-NDFR-GENERAL-INFO-RECORD
TXE03A	ORG-DFR-INSURANCE-INFO-REC
TXE04A	ORG-NDFR-INSURANCE-INFO-REC
TXE05A	ORG-NDFR-COVERAGE-INFO-REC
TXE06A	ORG-DFR-HOURS-EARN-ACCUM-REC
TXE07A	ORG-DFR-VEST-SCHEDULE-ID-REC
TXE08A	ORG-DFR-PRTL-VESTING-CR-REC
TXE09A	ORG-DFR-PRTL-BEN-CR-ID-REC
TXE10A	ORG-DFR-CONTRIB-DOE-CD-REC
TXE11A	ORG-DFR-SERVICE-INFO-RECORD
TXE12A	ORG-DFR-VEST-SERV-INFO-REC
TXE13A	ORG-DFR-PTCP-SERV-INFO-REC
TXE14A	ORG-DFR-SS-PLAN-OFFSET-REC
TXE15A	ORG-NDFR-CONTRIB-DOE-CD-REC
TXE16A	ORG-NDFR-HOUR-EARN-ACCUM-REC
TXE17A	ORG-NDFR-PLAN-VALUES-RECORD

Logical Record to Copybook Cross-Reference

Copybook	Log rec id	Record Description
PDSA1A	M1A10A	ORG-COMMON-INFORMATION-REC
PDSA1B	M1B40A	ORG-RUN-CONTROL-INFO-RECORD
PDSA1C	M1C10A	ORG-1099-DOE-RECORD
PDSA1E	M1E10C	ORG-CAN-VACATION-INFO-RECORD
PDSA1H	M1H10A	ORG-DOE-ASSUMPTION-INFO-REC
PDSA1L	M1L10A	ORG-PERS-REPORT-OPTIONS-REC
PDSA1M	M1M10A	ORG-BEN-REPORT-OPTIONS-REC
	M1M20A	ORG-SS-OASDI-OPTIONS-RECORD
PDSA1N	M1N10A	ORG-BENEFIT-PLAN-ID-RECORD
PDSA1O	M1O10A	ORG-LR-REPORT-OPTIONS-RECORD
PDSA1P	M1P10A	ORG-USER-PERSONNEL-INFO-REC
PDSA2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD
PDSA2B	M2B10A	EMP-GENL-PAYROLL-ACCUM-REC
	M2B20C	EMP-CAN-TAX-WHOLD-ACCUM-REC
PDSA2C	M2C10C	EMP-CAN-TAXBL-WAGE-ACCUM-REC
	M2C20C	EMP-CAN-TAX-CONTROL-INFO-REC
PDSA2G	M2G10A	EMP-HOURS-ACCUMULATORS-REC
	M2G10B	EMP-SPEC-HOURS-ACCUM-REC
PDSA2H	M2H10A	EMP-DOE-INFORMATION-RECORD
	M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC
	M2H20U	EMP-DOE-TAX-OPTIONS-RECORD
PDSA3A	M3A10U	EMP-SALTA-RECORD1
	M3A20U	EMP-SALTA-RECORD2
	M3A60U	EMP-FEDERAL-TAX-ACCUM-RECORD
	M3A70U	EMP-FEDERAL-WAGE-ACCUM-REC
	M3A80U	EMP-TIPS-CREDIT-ACCUM-RECORD
PDSA4A	M4A30C	EMP-CAN-GENERAL-INFO-RECORD
PDSA5A	M5A10A	EMP-USER-PAYROLL-RECORD
PDSA6A	M6A10A	EMP-GENERAL-PERS-INFO-3-REC
PDSA6B	M6B20A	EMP-EDUCATION-INFO-RECORD

Copybook	Log rec id	Record Description
PDSA6C	M6C10A	EMP-INSURANCE-INFO-RECORD
	M6C20A	EMP-RETIREMENT-INFO-RECORD
	M6C30A	EMP-PROPERTY-INFO-RECORD
PDSA6D	M6D10A	EMP-PERFORMANCE-REVIEW-REC
PDSA6E	M6E10A	EMP-SALARY-CHANGE-RECORD
PDSA6F	M6F10A	EMP-SKILLS-INFORMATION-REC
PDSA6G	M6G10A	EMP-TRANSFER-INFORMATION-REC
PDSA6H	M6H20A	EMP-GENERAL-HEALTH-RECORD
PDSA6I	M6I10A	EMP-INJURY-INFORMATION-REC
PDSA6J	M6J10A	EMP-GENERAL-PERS-INFO-1-REC
	M6J20A	EMP-PERS-SERVICE-INFO-RECORD
	M6J40A	EMP-GENERAL-PERS-INFO-2-REC
PDSA6K	M6K50A	EMP-DFR-PLAN-ID-RECORD
	M6K60A	EMP-NDFR-PLAN-ID-RECORD
PDSA6L	M6L20A	EMP-HOURS-EARN-ACCUM-ID-REC
PDSA6M	M6M10A	EMP-BENEFICIARY-RECORD
PDSA6N	M6N10A	EMP-ELAPSED-TIME-RECORD
PDSA6O	M6O10A	EMP-USER-DATES-RECORD
PDSA6Q	M6Q10C	EMP-EEA-INFORMATION-RECORD
PDSA6R	M6R20U	EMP-BEN-DISCRIMINATION-REC
PDSA7A	M7A10A	EMP-LR-CURRENT-SENIORITY-REC
	M7A20A	EMP-LR-LAYOFF-RECALL-RECORD
	M7B10A	EMP-LR-UNION-INFO-RECORD
	M7C10A	EMP-LR-DISCIPLINE-RECORD
	M7D10A	EMP-LR-GRIEVANCE-RECORD
	M7E10A	EMP-LR-HIST-SENIORITY-RECORD
PDSA8A	M8A10A	EMP-USER-PERSONNEL-1-RECORD
PDSA8B	M8B10A	EMP-USER-PERSONNEL-2-RECORD
PDSB1A	M1A10A	ORG-COMMON-INFORMATION-REC
	M1A20A	ORG-ADDRESS-RECORD
PDSB2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A30A	EMP-ADDRESS-RECORD
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD

Copybook	Log rec id	Record Description
PDSB2B	M2B10A	EMP-GENL-PAYROLL-ACCUM-REC
	M2B20C	EMP-CAN-TAX-WHOLD-ACCUM-REC
PDSB2C	M2C20U	EMP-TOT-TAX-WHOLD-ACCUM-REC
PDSB2H	M2H10A	EMP-DOE-INFORMATION-RECORD
	M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC
	M2H20U	EMP-DOE-TAX-OPTIONS-RECORD
PDSB3A	M3A10C	EMP-T4-DOE-REPORTING-RECORD
	M3A20C	EMP-T4-REPORTING-RECORD
		EMP-T4A-REPORTING-RECORD
PDSB4A	M4A10C	EMP-EI-QPIP-INS-EARN-REC
	M4A20C	EMP-CAN-VACATION-ACCUM-REC
	M4A30C	EMP-CAN-GENERAL-INFO-RECORD
PDSB6A	M6A10A	EMP-GENERAL-PERS-INFO-3-REC
PDSB6B	M6B10A	EMP-MILITARY-INFORMATION-REC
PDSB6C	M6C20A	EMP-RETIREMENT-INFO-RECORD
PDSB6H	M6H10A	EMP-CHILD-INFORMATION-RECORD
PDSB6B	M6B20A	EMP-EDUCATION-INFO-RECORD
PDSB6C	M6C30A	EMP-PROPERTY-INFO-RECORD
PDSB6H	M6H20A	EMP-GENERAL-HEALTH-RECORD
PDSB6I	M6I10A	EMP-INJURY-INFORMATION-REC
	M6I20A	EMP-PERS-HOURS-ACCUM-RECORD
PDSB6J	M6J10A	EMP-GENERAL-PERS-INFO-1-REC
	M6J20A	EMP-PERS-SERVICE-INFO-RECORD
	M6J30A	EMP-WORKFORCE-UTILZ-INFO-REC
	M6J40A	EMP-GENERAL-PERS-INFO-2-REC
	M6J50A	EMP-EEO-INFORMATION-RECORD
PDSC2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A30A	EMP-ADDRESS-RECORD
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
PDSC2B	M2B10A	EMP-GENL-PAYROLL-ACCUM-REC
	M2B20U	EMP-TOT-TAX-WHOLD-ACCUM-REC
PDSC2H	M2H10A	EMP-DOE-INFORMATION-RECORD
	M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC
	M2H20U	EMP-DOE-TAX-OPTIONS-RECORD
PDSC4A	M4A20C	EMP-CAN-VACATION-ACCUM-REC

Copybook	Log rec id	Record Description
PDSC6C	M6C40A	EMP-GENERAL-BEN-INFO-RECORD
	M6C50A	EMP-SS-OASDI-OPTIONS-RECORD
	M6C60A	EMP-SS-OASDI-PIA-MFB-RECORD
PDSC6J	M6J10A	EMP-GENERAL-PERS-INFO-1-REC
	M6J20A	EMP-PERS-SERVICE-INFO-RECORD
	M6J40A	EMP-GENERAL-PERS-INFO-2-REC
	M6J60A	EMP-CONF-ANNUAL-SALARY-REC
	M6J70A	EMP-POS-RELATED-SALARY-REC
PDSD2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A20A	EMP-NORMAL-PAY-INFO-RECORD
	M2A30A	EMP-ADDRESS-RECORD
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A60A	EMP-PAYROLL-PREVIOUS-PAY-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD
PDSD2H	M2H10A	EMP-DOE-INFORMATION-RECORD
	M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC
	M2H20U	EMP-DOE-TAX-OPTIONS-RECORD
PDSD6J	M6J10A	EMP-GENERAL-PERS-INFO-1-REC
	M6J20A	EMP-PERS-SERVICE-INFO-RECORD
	M6J40A	EMP-GENERAL-PERS-INFO-2-REC
	M6J60A	EMP-CONF-ANNUAL-SALARY-REC
PDSE2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A30A	EMP-ADDRESS-RECORD
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
PDSF2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A20A	EMP-NORMAL-PAY-INFO-RECORD
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A70A	EMP-COMMISSION-TAX-INFO-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD

Copybook	Log rec id	Record Description
PDSG2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A20A	EMP-NORMAL-PAY-INFO-RECORD
	M2A30A	EMP-ADDRESS-RECORD
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A70A	EMP-COMMISSION-TAX-INFO-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD
PDSH2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
	M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC
	M2A90U	EMP-EMPLMT-TERM-CODE-RECORD
PDSI2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A20A	EMP-NORMAL-PAY-INFO-RECORD
	M2A50A	EMP-GENL-PAYROLL-INFO-2-REC
	M2A60A	EMP-PAYROLL-PREVIOUS-PAY-REC
	M2A80A	EMP-GENL-PAYROLL-INFO-1-REC
PDSJ2A	M2A10A	EMP-COMMON-INFORMATION-REC
	M2A30A	EMP-ADDRESS-RECORD

Copybook to Logical Record Cross-Reference

Record ID	Record Description	Copybook
M1A10A	ORG-COMMON-INFORMATION-REC	PDSA1A
		PDSB1A
M1A20A	ORG-ADDRESS-RECORD	PDSB1A
M1B40A	ORG-RUN-CONTROL-INFO-RECORD	PDSA1B
M1C10A	ORG-1099-DOE-RECORD	PDSA1C
M1E10C	ORG-CAN-VACATION-INFO-RECORD	PDSA1E
M1H10A	ORG-DOE-ASSUMPTION-INFO-REC	PDSA1H
M1L10A	ORG-PERS-REPORT-OPTIONS-REC	PDSA1L
M1M10A	ORG-BEN-REPORT-OPTIONS-REC	PDSA1M
M1M20A	ORG-SS-OASDI-OPTIONS-RECORD	PDSA1M
M1N10A	ORG-BENEFIT-PLAN-ID-RECORD	PDSA1N
M1O10A	ORG-LR-REPORT-OPTIONS-RECORD	PDSA1O
M1P10A	ORG-USER-PERSONNEL-INFO-REC	PDSA1P
M2A10A	EMP-COMMON-INFORMATION-REC	PDSA2A
		PDSB2A
		PDSC2A
		PDSD2A
		PDSE2A
		PDSF2A
		PDSG2A
		PDSH2A
		PDSI2A
		PDSJ2A
		PDSD2A
		PDSF2A
		PDSG2A
		PDSI2A
M2A30A	EMP-ADDRESS-RECORD	PDSB2A
		PDSC2A
		PDSD2A
		PDSE2A
		PDSG2A
		PDSJ2A

Record ID	Record Description	Copybook
M2A50A	EMP-GENL-PAYROLL-INFO-2-REC	PDSA2A
		PDSB2A
		PDSD2A
		PDSF2A
		PDSG2A
		PDSH2A
		PDSI2A
M2A60A	EMP-PAYROLL-PREVIOUS-PAY-REC	PDSD2A
		PDSI2A
M2A70A	EMP-COMMISSION-TAX-INFO-REC	PDSF2A
		PDSG2A
M2A80A	EMP-GENL-PAYROLL-INFO-1-REC	PDSA2A
		PDSB2A
		PDSC2A
		PDSD2A
		PDSE2A
		PDSF2A
		PDSG2A
		PDSH2A
		PDSI2A
M2A90C	EMP-CAN-EMPLMT-TERM-CODE-REC	PDSA2A
		PDSB2A
		PDSD2A
		PDSF2A
		PDSG2A
		PDSH2A
M2A90U	EMP-EMPLMT-TERM-CODE-RECORD	PDSA2A
		PDSB2A
		PDSD2A
		PDSF2A
		PDSG2A
		PDSH2A
M2B10A	EMP-GENL-PAYROLL-ACCUM-REC	PDSA2B
		PDSB2B
		PDSC2B
M2B20C	EMP-CAN-TAX-WHOLD-ACCUM-REC	PDSA2B
		PDSB2B
M2B20U	EMP-TOT-TAX-WHOLD-ACCUM-REC	PDSC2B

Record ID	Record Description	Copybook
M2C10C	EMP-CAN-TAXBL-WAGE-ACCUM-REC	PDSA2C
M2C20C	EMP-CAN-TAX-CONTROL-INFO-REC	PDSA2C
M2C20U	EMP-TAX-CONTROL-INFO-RECORD	PDSB2C
M2G10A	EMP-HOURS-ACCUMULATORS-REC	PDSA2G
M2G10B	EMP-SPEC-HOURS-ACCUM-REC	PDSA2G
M2H10A	EMP-DOE-INFORMATION-RECORD	PDSA2H PDSB2H PDSC2H PDSD2H
M2H20C	EMP-CAN-DOE-TAX-OPTIONS-REC	PDSA2H PDSB2H PDSC2H PDSD2H
M2H20U	EMP-DOE-TAX-OPTIONS-RECORD	PDSA2H PDSB2H PDSC2H PDSD2H
M3A10C	EMP-T4-DOE-REPORTING-RECORD	PDSB3A
M3A10U	EMP-SALTA-RECORD1	PDSA3A
M3A20U	EMP-SALTA-RECORD2	PDSA3A
M3A20C	EMP-T4-REPORTING-RECORD	PDSB3A
M3A30C	EMP-T4A-REPORTING-RECORD	PDSB3A
M3A60U	EMP-FEDERAL-TAX-ACCUM-RECORD	PDSA3A
M3A70U	EMP-FEDERAL-WAGE-ACCUM-REC	PDSA3A
M3A80U	EMP-TIPS-CREDIT-ACCUM-RECORD	PDSA3A
M4A10C	EMP-EI-QPIP-INS-EARN-REC	PDSB4A
M4A20C	EMP-CAN-VACATION-ACCUM-REC	PDSB4A PDSC4A
M4A30C	EMP-CAN-GENERAL-INFO-RECORD	PDSA4A PDSB4A
M5A10A	EMP-USER-PAYROLL-RECORD	PDSA5A
M6A10A	EMP-GENERAL-PERS-INFO-3-REC	PDSA6A PDSB6A
M6B10A	EMP-MILITARY-INFORMATION-REC	PDSB6B

Record ID	Record Description	Copybook
M6B20A	EMP-EDUCATION-INFO-RECORD	PDSA6B PDSB6B
M6C10A	EMP-INSURANCE-INFO-RECORD	PDSA6C
M6C20A	EMP-RETIREMENT-INFO-RECORD	PDSA6C PDSB6C
M6C30A	EMP-PROPERTY-INFO-RECORD	PDSA6C PDSB6C
M6C40A	EMP-GENERAL-BEN-INFO-RECORD	PDSC6C
M6C50A	EMP-SS-OASDI-OPTIONS-RECORD	PDSC6C
M6C60A	EMP-SS-OASDI-PIA-MFB-RECORD	PDSC6C
M6D10A	EMP-PERFORMANCE-REVIEW-REC	PDSA6D
M6E10A	EMP-SALARY-CHANGE-RECORD	PDSA6E
M6F10A	EMP-SKILLS-INFORMATION-REC	PDSA6F
M6G10A	EMP-TRANSFER-INFORMATION-REC	PDSA6G
M6H10A	EMP-CHILD-INFORMATION-RECORD	PDSB6H
M6H20A	EMP-GENERAL-HEALTH-RECORD	PDSA6H PDSB6H
M6I10A	EMP-INJURY-INFORMATION-REC	PDSA6I PDSB6I
M6I20A	EMP-PERS-HOURS-ACCUM-RECORD	PDSB6I
M6J10A	EMP-GENERAL-PERS-INFO-1-REC	PDSA6J PDSB6J PDSC6J PDSD6J
M6J20A	EMP-PERS-SERVICE-INFO-RECORD	PDSA6J PDSB6J PDSC6J PDSD6J
M6J30A	EMP-WORKFORCE-UTILZ-INFO-REC	PDSB6J
M6J40A	EMP-GENERAL-PERS-INFO-2-REC	PDSA6J PDSB6J PDSC6J PDSD6J
M6J50A	EMP-EEO-INFORMATION-RECORD	PDSB6J
M6J60A	EMP-CONF-ANNUAL-SALARY-REC	PDSC6J PDSD6J

Record ID	Record Description	Copybook
M6J70A	EMP-POS-RELATED-SALARY-REC	PDSC6J
M6K50A	EMP-DFR-PLAN-ID-RECORD	PDSA6K
M6K60A	EMP-NDFR-PLAN-ID-RECORD	PDSA6K
M6L20A	EMP-HOURS-EARN-ACCUM-ID-REC	PDSA6L
M6M10A	EMP-BENEFICIARY-RECORD	PDSA6M
M6N10A	EMP-ELAPSED-TIME-RECORD	PDSA6N
M6O10A	EMP-USER-DATES-RECORD	PDSA6O
M6Q10C	EMP-EEA-INFORMATION-RECORD	PDSA6Q
M6R20U	EMP-BEN-DISCRIMINATION-REC	PDSA6R
M7A10A	EMP-LR-CURRENT-SENIORITY-REC	PDSA7A
M7A20A	EMP-LR-LAYOFF-RECALL-RECORD	PDSA7A
M7B10A	EMP-LR-UNION-INFO-RECORD	PDSA7A
M7C10A	EMP-LR-DISCIPLINE-RECORD	PDSA7A
M7D10A	EMP-LR-GRIEVANCE-RECORD	PDSA7A
M7E10A	EMP-LR-HIST-SENIORITY-RECORD	PDSA7A
M8A10A	EMP-USER-PERSONNEL-1-RECORD	PDSA8A
M8B10A	EMP-USER-PERSONNEL-2-RECORD	PDSA8B

Appendix B LIM to Dataframe Cross-Reference

Appendix Contents

B-1 Introduction
B-2 Employee Master File
B-3 HRMS Tables File
B-5 Position Control Master File
B-6 Position Control Audit
B-7 Online Check Calculation Detail File

Introduction

This cross-reference lists I.E. LIMs and the dataframes that use them for HCM:E.

Employee Master File

	LIM	Dataframe
	PLS1CA	HREEA
*	PLS1D1	HRHPDEP
*	PLS1D2	HRHPPLAN
	PLS1D3	HRADDR
	PLS1XA	HREMPHRE
	PLS1XB	HREMPPLN
	PLS10A	HRPRBASC
	PLS10B	HRBASIC
	PLS10C	HRPERS
	PLS10D	HREMPREL
	PLS10E	HRDOES
	PLS10F	HRCANTAX
*	PLS10G	HREMPLR
	PLS10H	HRUSTAX
	PLS10I	HRSALARY
*	PLS10J	HREMPBEN
*	PLS10K	HRDISCR
*	PLS100	HRCTRLS
		HREMP
		HRPNODOE
		HRPYRL

* These are non-relatable dataframes.

HRMS Tables File

LIM	Dataframe
PLS2CA	HRINDSCT
	HROCCGRP
	HRRPTUNT
PLS2D4	HRHPORG
PLS2D5	HRDEPREL
PLS2D6	HRDEPSTA
PLS2D7	HRHPSTAT
PLS2D8	HRHPCOVG
PLS2D9	HRCNTRY
PLS2JA	HRPOSNAR
PLS2JB	HRPOSTBL
PLS2MA	HRDEGREE
	HRFNCT
	HRGEOG
	HRGRPINS
	HRHEALTH
	HRLVABS
	HRPROFC
	HRPROM
	HRREHIRE
	HRRELG
	HRRESTYP
	HRSFNCT
	HRSLRY
	HRSTUDY
	HRTERM
	HRTRNSFR
PLS2PA	HRCANDOE
	HRORGDOE
	HRUSDOE
PLS2PH	HRORGSPH
PLS2PS	HRORGSTP
PLS2PT	HRORGTAB

LIM	Dataframe
PLS2UA	HRDISCPL
	HRGRIEV
	HRPOSNO
	HRRESULT
	HRVIOLT
PLS2XC	HRTBENCR
	HRTBLBEN
	HRTBLDOC
	HRTEACUM
	HRTHACUM
	HRTSPANS
	HRTVCRED
	HRTVESTS

Position Control Master File

LIM	Dataframe
PLS3JC	HRPOSHTD
	HRPOSMST
PLS3JD	HRPOSORG
PLS3JE	HRPOSHDR
PLS2JF	HRPOSDTL

Position Control Audit

LIM	Dataframe
PLS3JG	HRPOSAUD

Online Check Calculation Detail File

LIM	Dataframe
PLS5PA	HRCHECK

Appendix C Dataframe to LIM Cross-Reference

Appendix Contents

C-1 Introduction
C-2 Dataframe to LIM Cross-Reference Table

Introduction

This appendix contains the dataframe/LIM cross-reference. This cross-reference lists I.E. dataframes and the LIMS they use for HCM:E.

Dataframe to LIM Cross-Reference Table

Dataframe	LIM	Dataframe	LIM
HRADDR	PLS1D3	*HRPNODOE	PLS100
HRBASIC	PLS10B	HRPOSAUD	PLS3JG
HRCANDOE	PLS2PA	HRPOSDTL	PLS3JF
HRCANTAX	PLS10F	HRPOSHDR	PLS3JE
HRCHECK	PLS5PA	HRPOSHTD	PLS3JC
HRCNTRY	PLS2D9		
*HRCRTLS	PLS100	HRPOSMST	PLS3JC
HRDEGREE	PLS2MA	HRPOSNAR	PLS2JA
HRDEPREL	PLS2D5	HRPOSNO	PLS2UA
HRDEPSTA	PLS2D6	HRPOSOGR	PLS3JD
HRDISCPL	PLS2UA	HRPOSTBL	PLS2JB
*HRDISCR	PLS10K	HRPRBASC	PLS10A
HRDOES	PLS10E	HRPROFC	PLS2MA
HREEA	PLS1CA	HRPROM	PLS2MA
*HREMP	PLS100	*HRPYRL	PLS100
HREMPBEN	PLS10J	HRREHIRE	PLS2MA
HREMPHRE	PLS1XA	HRRELG	PSL2MA
*HREMPLR	PLS10G	HRRESTYP	PLS2MA
HREMPPLN	PLS1XB	HRRESULT	PLS2UA
HREMPREL	PLS10D	HRRPTUNT	PLS2CA
HRFNCT	PLS2MA	HRSALARY	PLS101
HRGEOG	PLS2MA	HRSFNCT	PLS2MA
HRGRIEV	PLS2UA	HRSLRY	PLS2MA
HRGRPINS	PLS2MA	HRSTUDY	PLS2MA
HRHEALTH	PLS2MA	HRTBENCR	PLS2XC
HRHPCOVG	PLS2D8	HRBLBEN	PLS2XC
*HRHPDEP	PLS1D1	HRTBLDOC	PLS2XC
HRHPORG	PLS2D4	HRTEACUM	PLS2XC
*HRHPPLAN	PLS1D2	HRTERM	PLS2MA
HRHPSTAT	PLS2D7	HRTHACUM	PLS2XC
HRINDSCT	PLS2CA	HRTRNSFR	PLS2MA
HRLVABS	PLS2MA	HRTSPANS	PLS2XC
HROCCGRP	PLS2CA	HRTVCRED	PLS2XC

Dataframe	LIM	Dataframe	LIM
HRORGDOE	PLS2PA	HRTVESTS	PLS2XC
HRORGSPH	PLS2PH		
HRORGSTP	PLS2PS		
HRORGTAB	PLS2PT		
HRPERS	PLS10C	HRUSDOE	PLS2PA
		HRUSTAX	PLS10H
		HRVIOLT	PLS2UA

*These are non-relatable dataframes

Appendix D Program Messages

Appendix Contents

D-2 Introduction
D-7 Common Program Messages
D-14 Lost Time Health and Safety (MLT999)
D-15 Program Messages - Canadian ROE (PLC400)
D-16 Program Messages - PGLI (PPG100)
D-17 Program Messages - PGLI (PPG200)
D-19 Program Messages - PGLI (PPG300)
D-20 Program Messages - Labor Distribution (PLL550)
D-29 Copy Services (PLP000)
D-30 Abort Messages - Load (PLP200)
D-31 Program Messages - Validate (PLP400)
D-32 Program Messages - Update (PLP600)
D-35 Program Messages - Compute (PLP700)
D-41 Employee Master File Conversion (PLP900)
D-42 Employees Not Paid (PLPENP)
D-43 Abort Messages - Report Generate (PLR100)
D-45 Program Message - PMRS Report Extract (PLR200)
D-46 Program Messages - Time Entry Proof (PLR300)
D-47 Program Messages - Payroll Report Print (PLR400)
D-51 Program Messages - Check Writer (PLR500)
D-56 Personnel Report Print (PLR700)
D-57 Abort Messages - Personnel Report Generate (PLR700)
D-58 Program Messages - HRMS Tables File
D-63 Regulatory Report Generator (PL2000)
D-64 Program Messages - Regulatory Reporting (PP3000)
D-65 Program Messages - Regulatory Reporting (PP40LE/PP40PS/PP4000/PP5000)
D-68 Abort Messages - Check Reversal (P1P43MP)
D-71 Abort Messages - Check Reversal (P1P45MP)
D-73 Abort Messages - Transfer (P1P99M)
D-74 Error Messages - Online/Realtime - Numbered Program
D-75 Position Control Master File Print (PLJ950)
D-76 Program Messages - Canadian Audit (PLR900)
D-78 Employee Master File Print (PLR950)
D-79 Program Message - PPPASM
D-80 Program Messages - PPPAS1

Introduction

This appendix discusses program messages and lists each message and its meaning.

Abort Messages

If a program encounters a condition that prevents it from processing successfully, it will call the abort program, PPPABT, to issue a message and abort. The message will appear in the SYSUT dataset (SYSLST for VSE). Actual return codes from your operating system depend on operating system options.

Abort Message Format

*** * ABORT CAUSED BY**

(The message issued by the abending program will appear here.)

I-O Error Messages

A standardized method of reporting I/O access problems is used for all externalized I/O modules. When an I/O problem is encountered by one of these modules, it returns control to the activating application program and passes the following status codes to this program:

- HCM:E-defined I/O operation status code
- Where appropriate, the applicable native-mode COBOL File-Status code defined for the hardware/compiler environment executing the system.

All application programs always check the I/O operation status code for a normal completion. If the code indicates an abnormal completion of the requested operation, the application program creates a standardized-format error message and passes this message to a standard error abort module. This abort module (procedure PDPABT-program PPPABT) displays the error message formatted by the activating application program and then causes the program to abort.

I-O Message Format

The format of the standardized I/O error message is as follows:

I-O ERROR IN PROCEDURE *Plabbc* -- STATUS IS *xx yyyyyyyyyyyyyyyy*

The variables in the format example are defined in the following table.

Variable	Description
Plabbc	The source member name of the I/O procedure that actually encountered the I/O error. This variable is broken into components below.
Pl	Constant that indicates an externalized I/O procedure
a	Appropriate HCM:E subsystem code
bb	File number defined for the identified HCM:E subsystem
c	Type of I/O access performed for the file as follows: ▪ **R** indicates a keyed read of an indexed file ▪ **S** indicates a read of a sequential file ▪ **V** indicates a write to a sequential file ▪ **W** indicates a keyed write to an indexed file ▪ **M** indicates a multifunction access of an indexed file ▪ **I** indicates an in-place update of an indexed file. For complex structure environments, you can determine the name of the I/O subprogram that encounters the abnormal I/O completion by substituting PN for PI in the error message source member name (PIabbc, above). You can determine the file number of the file being processed when the error was encountered by substituting PW for PI in the source member name and replacing the c value of this name with a zero.
xx	Applicable I/O operation status code from a list of these codes maintained in the System. A copy of this code list, including the meaning of each code, follows this description
yyyyyyyyyyyyyyyy	Applicable native-mode COBOL File-Status code returned to the I/O module by the operating system To interpret the meaning of the native-mode File-Status code, you must reference the COBOL manual for the specific hardware/compiler operating.

Example. The following example shows an I/O error message produced according to the preceding format for a COBOL environment.

I-O ERROR IN PROCEDURE PIP03V - STATUS IS 11 34

This error message indicates that the externalized I/O procedure PIP03V (contained in the complex structure externalized I/O subprogram PNP03V) attempted to write a record to the Loaded System Transactions file (file number PWP030) when it was full (out of extents or physical space on a disk pack). Thirty-four is the COBOL File-Status code (key) returned for this error by the operating environment.

I/O Operation Status Codes

HCM:E Specific Codes

Status Code	Description
01	Attempt to close a file that is not open or attempt to open a file that is not closed.
09	I/O operation command rejected by I/O module as invalid for I/O module type.
11	Physical file exceeds limits of physical disk space allocated for file.
13	Keyed read of record from indexed life failed due to no matching key in index.
16	Attempt to insert (keyed write) record into indexed file failed due to duplicate key in index.
28	Attempt to open a file that is already opened.
91	Key sequence error on a sequential keyed write to an indexed file.
99	Not interpreted by HCM:E applications; see the IBM file status codes on the following pages.

I/O Operation Status Codes

VS COBOL and COBOL 390 Codes

Status Code COBOL II	Status Code COBOL 390	Description
00	00	Successful completion
02	02	Duplicate key, and DUPLICATES specified. Successful completion.
04	04	COBOL II only: Wrong record length. Successful completion.
05	05	Optional file not present. Successful completion.
07	07	NO REWIND/REEL/UNIT/FOR REMOVAL specified for OPEN or CLOSE, but file not on a reel/unit medium. Successful completion.
10	10	At END (no logical record) Successful completion.
14	14	On sequential READ for relative file, size of relative record number too large for relative key.
20	(undefined)	Invalid key for a VSAM indexed or relative file.
21	21	Invalid key for a VSAM indexed or relative file; sequence error.
22	22	Invalid key for a VSAM indexed or relative file; duplicate key and duplicates not allowed.
23	23	Invalid key for a VSAM indexed or relative file; no record found.
24	24	Invalid key for a VSAM indexed or relative file; attempt to write beyond file boundaries. COBOL II only: for a WRITE to a relative file, size of relative record number too large for relative key.
30	30	Permanent error
34	34	Permanent error. File boundary violation.
35	35	Non-optional file not present
37	37	Device type conflict

(continued)

Status Code COBOL II	Status Code COBOL 390	Description
38	38	OPEN attempted for file close WITH LOCK
39	39	Conflict of fixed file attributes; OPEN fails
41	41	OPEN attempted for a file in OPEN mode
42	42	CLOSE attempted for a file not in OPEN mode
43	43	REWRITE attempted when last I/O statement was not READ
44	44	Attempt to rewrite a sequential file record with a record of a different size.
46	46	Sequential READ attempted with no valid next record
47	47	READ attempted when file not in OPEN INPUT or I/O mode
48	48	WRITE attempted when file not in OPEN OUTPUT, I/O, or EXTEND mode.
49	49	DELETE or REWRITE attempted when file not in OPEN I/O mode
90	90	Other errors with no further information
91	91	VSAM password failure
92	92	Logic error
93	93	VSAM resource not available
94	94	No file position indicator for VSAM sequential request
95	95	Invalid or incomplete VSAM file information
96	96	No file identification (no DD statement for this VSAM file)
97	97	OPEN statement execution successful; file integrity verified

Common Program Messages

******* DOE YY NOT FOUND IN ORG DOE TABLE FOR xxxx EMP zzzzzzzzzz *******

DOE 'YY' is not found in the organization DOE table built from the HRMS Tables File for the L1, L2 specified. DOE information on the HRMS Tables File has been changed since this data was validated. Either this DOE has been deleted or other DOEs on the HRMS Tables File now exceeds the maximum specified for your system. Information on the HRMS Tables File should not change during a processing cycle. To correct this situation you should:

- Restore the HRMS Tables File information to the condition it was when this data was validated, or
- Revalidate this data using this HRMS Tables File.

If you take no action, this transaction will not be processed.

PDDATE-01 UNABLE TO OPEN HRMS TABLES FILE

Abort. The HRMS Tables File can not be opened may be due to one of the following:

- The file may already be opened in online/realtime. Close the HRMS Tables File to online/realtime.
- The file may have not been closed properly. Run an IDCAMS VERIFY to properly close the file.

PDDATE-02 HRMS TABLES FILE NOT AT CURRENT UPDATE BULLETIN LEVEL.

Abort. The HRMS Tables File is not at the current release level. In program PPDATE, copybook PDDATE, PCVFCR-FILE-CONVERT-THRU-UB not equal PC9VDP-VERS-TBL-FILE-CONVRT-UB. May be due to one of the following:

- The Header Record on the HRMS Tables File does not match what is expected in the programs. Run PLT900 to convert the Header Record.
- If the Header Record is correct, then the version of the I/O module being used is not at the current level. Recompile PPDATE and relink the program series that is having the problem.

PDDATE-03 PROGRAM ERROR - UNABLE TO RETRIEVE SYSTEM DATE.

Abort. The program was unable to retrieve the system computer date. If for any reason a date can not be returned, PCDATE-RETURN-CODE will contain 'N'.

- If unsuccessful conversion PCDATE-RETURN-CODE will contain 'N' PCDATE-8CHAR-NUM-RETURNED will contain zeroes.
- If unsuccessful validation PCDATE-RETURN-CODE will contain 'N' PCDATE-8CHAR-NUM-RETURNED will contain zeroes.

PDPFFH-01 - MASTER FILE CONTROLS REC NOT FOUND ON HRMS TABLES FILE

Abort. Master file controls record not found on the HRMS Tables File. To correct the problem, add the Employee Master File controls record to the HRMS Tables File using the T01-001 transaction.

PDPFFH-02 - FILE DATE-TIME - Employee Master File controls NOT EQUAL EXPECTED DATE-TIME - Master File controls for Master File Type
FOR RUN TYPE - Employee Master File type

Conditionally Abort or Warning. The date and time controls on the Employee Master File header segment do not equal the date and time controls for the Employee Master File type on the HRMS Tables File. An old Employee Master File could be mounted or possibly the last job which updated the file did not run to successful completion. To correct, either mount the latest Employee Master File, or mount the backup Employee Master File and re-execute the job that updated the file, or change Employee Master File controls using the T01-001 transaction.

PDPFFH-03 - FILE CONTROL ABORT ERROR

Abort. An abort error occurred during file control processing. Refer to the error message on the previous line to determine the cause of the abort and the corrective action to be taken.

PDPFOH-01 - LEVEL 1 - LEVEL 2 ORG FILE CONTL REC NOT FOUND FOR TYPE - Employee Master File type

Conditionally Abort or Warning. Organization file controls record not found on the HRMS Tables File. This problem can occur if:

- You activated file control after you updated the Employee Master File using a permanent override of the file control feature,
- You reloaded your HRMS Tables File without the file control data, or
- You deleted the record using a T01-002 transaction.

To correct the problem, add the missing organization file control records for the organization and Employee Master File type to the HRMS Tables File. The records can be added manually using a T01-002 transaction for each organization on the Employee Master File. They can also be added by entering a T01-001 transaction to override all file control verification, and then running either PLP000 or PLP900 to update all organizations on the Employee Master File.

PDPFOH-02 - LEVEL 1 - LEVEL 2 ORG DATE-TIME - Organization Controls NOT EQUAL EXPECTED DATE-TIME - Organization last update controls FOR RUN TYPE - Master File type

Conditionally Abort or Warning. The organization date and time controls on organization header segment 101 DOEs not equal the organization last updated date and time controls for the Employee Master File type on the HRMS Tables File. This can occur if the last job which updated the organization did not successfully complete the updates for the organization. To correct, either mount backup Employee Master File and re-execute the job that updated the organization, or change organization file controls record using the T01-002 transaction.

PDPFOH-03 - VALID TRANS DATE-TIME - Valid Transaction File Controls NOT EQUAL EXPECTED DATE-TIME - Organization Valid Transactions Controls FOR ORG LEVEL 1 - LEVEL 2 AND RUN TYPE - Master File type

Conditionally Abort or Warning. The Valid Transaction File date and time controls do not equal the organization valid transactions date and time controls for the Employee Master File type on the HRMS Tables File. The organization valid transactions controls indicate the date and time of the last Valid Transaction File containing activity for the organization. An old transaction file could be mounted or Transaction Validate (PLP400) may not have run to successful completion. To correct, either mount the latest Valid Transaction File or re-execute PLP400 or change the organization file control record using the T01-002 transaction.

PDPFOH-04 - LEVEL 1 - LEVEL 2 ORG DATE-TIME - Organization Controls NOT EQUAL EXPECTED DATE-TIME - Organization Input Controls to Payroll Compute FOR RUN TYPE - Master File type

Conditionally Abort or Warning. The organization date and time controls on organization header segment 101 do not equal the date and time controls expected as input to Update Master File (PLP600) as indicated on the HRMS Tables File. The organization file controls record indicates the date and time controls from the organization header segment used in Transaction Validate (PLP400) to verify the transactions for the organization. This can occur if the organization has been updated after PLP400 or change the organization file controls record using the T01-002 transaction.

PDPFOH-06 - FILE CONTROL ABORT ERROR

Abort. An Abort error occurred during file control processing. Refer to the error message on the previous line to determine the cause of the abort and the corrective action to be taken.

PDPPRC-01 *INVALID AA TRANS RUN DATGE FOR L1L2 = xxxx

Abort. The AA transaction contained an invalid run date for the indicated Level 1-Level 2.

PDPPRC-01 *INVALID AA TRANS xxxxxxxxxxxx xxxxxxx DATE FOR L1L2 = xxxx

Abort. The AA transaction contained an invalid date for:

- wwwwwwwwww = WEEK/BI-WEEK or MTH/SEMI-MTH
- tttttt = CHECK or PER END
- xxxx = Level 1-Level 2.

PDPRPM-01 - ATTEMPT TO READ PAST EOF ON FILE NUMBER

Abort. The file was at end of file and a GET NEXT command was issued. Either the calling program is in error or the Employee Master File is out of sequence.

PDP99A-01 - OUT OF SEQUENCE ON EMPLOYEE MASTER FILE

Abort. May be due to one of the following:

- The Master File is out of sequence. Sort file on keys 6 - 24 using standard IBM sort.
- An employee exists in the file with either a partial segment or is missing one of the required segments. The required segments are 201, 202, 203, 300, and 301. The employee with the bad record will need to be deleted.

PDP99A-02 - INVALID DATA IN EMPLOYEE MASTER KEY

Abort. May be due to one of the following:

- The record type is not 0, 1, 2, 9, or High Values
- The segment number is not 101, the Level 1 and Level 2 are spaces and the employee number and multiple record code are zeros.

PDP99A-03 - FILE HEADER RECORD MISSING

Abort. The Master File Header Record (RSN 001) is missing.

PDP99A-04 - WRONG FILE NUMBER. EXPECTED FILE xxxx

Abort. Use the correct file number.

PDP99A-05 - WRONG TYPE MASTER FILE EXPECTED TYPE xxxx

Abort. The type Employee Master File (Rerun, Period End, etc.) on the Header Record of the Master File does not agree with expected type. For Central System processing, check the IC transaction for type master to make sure it corresponds with Header Record. For reporting, use the A* transaction to specify the type master you want to process.

PDP99A-06 - MASTER FILE NOT CONVERTED THROUGH CURRENT UB

Abort. May be due to one of the following:

- The Header Record on the Master File Release level does not match what is expected in the programs. Run PLP900 to convert the Header Record.
- If the Header Record is correct, then the version of the I/O module being used is not at current level. Recompile PPP990 and relink the program series that is having the problem (example, validate abends with the message, relink PLP400).
- If PLP900 is the program issuing the message, check the IU control card. Only column 20 can have an '*'. Only one option on the IU card can be chosen at a time.

PDP99A-07 - MASTER FILE READ ERROR

Abort. There is an error that the program cannot interpret.

PDP99A-08 - INVALID KEY FROM TRANSACTION FILE--POSSIBLE DUPLICATE IC

Abort. Due to incorrect data in the transaction file, there is probably more than one IC transaction.

PDP99C-01 - INVALID FILE NUMBER ON OPEN - FILE NUMBER

Abort. The file number passed with an open command was not PWP010 or PWR060. The calling program must be corrected.

PDP99C-02 - INVALID TYPE MASTER ON OPEN - TYPE MASTER

Abort. The Type Master file passed with an open command was not blank, P, or R. The calling program must be corrected.

PDP99C-03 - INVALID TYPE PROCESSING PROGRAM ON OPEN - TYPE OF PROCESSING

Abort. The type of processing program passed with an open command was not M, R, or D. The calling program must be corrected.

PDP99C-04 - MAINT TYPE PROCESSING INVALID WITH FILE NO. PWR060

Abort. The type of processing program passed with an open command indicated maintenance (M) and the file number was PWR060. This combination is invalid. Maintenance is only allowed for file PWP010. The calling program must be corrected.

PDP99C-05 - MASTER ORGANIZATION RECORD NOT FOUND ON TABLES FILE

Abort. The Master File Organization record (AA0-Master File Access Control-T00002) was not found on the HRMS Tables File. This record must be added using the T00-002 transaction.

PDP99C-06 - INVALID OPEN MODE ON OPEN - OPEN MODE

Abort. The open mode for the Master File was not retrieval, update, or load. The calling program must be corrected.

PDP99R-01 - FILE NUMBER UNKOWN FILE NUMBER

Abort. The file number passed to PPP990 and stored in PCPRWK is not PWP010 or PWR060. Either the wrong file number was passed or the PWPRWK hold area was overlaid. The calling program must be corrected.

PDP99U-01 - FILE NUMBER UNKNOWN FILE NUMBER

Abort. The file number passed to PPP991 and stored in PCPRWK is not PWP010 or PWR060. Either the wrong file number was passed or the PWPRWK hold area was overlaid.

PDP990-01 - INVALID I/O FUNCTION - I/O FUNCTION

Abort. The I/O function passed to PPP990 was not one of the valid functions. The calling program must be corrected.

PDP991-01 - INVALID I/O FUNCTION - I/O FUNCTION

Abort. The I/O function passed to PPP991 was not one of the valid functions. The calling program must be corrected.

PS0301 - SORT FAILED - SYSTEM ERR

This message indicates the Operating System turned on the SORT RETURN CODE because of system failure.

PS0401 - SORT FAILED - SYSTEM ERR

This message indicates the Operating System turned on the SORT RETURN CODE because of system failure.

PS0501 - SORT FAILED - SYSTEM ERR

This message indicated the Operating System turned on the SORT RETURN CODE because of system failure.

Lost Time Health and Safety (MLT999)

END OF RUN STATUS - ttttt - pppppp - eeeeeeeeeee

ttttt - eoj status - normal or terminated
If Terminated:
pppppp - module causing abend
eeeeeeeeeee - Reason for abend.

FILE P1W03M1 OUT OF SEQUENCE

An out of sequence condition was found in the Central System Valid Transaction File (P1W03M1).

Program Messages - Canadian ROE (PLC400)

PDC4DT-01 CAUTION: NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx

There are no DOEs established on the HRMS Tables File for the L1, L2 indicated.

PDC4DT-02 CAUTION: HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED

The number of DOEs defined on the HRMS Tables File for the L1, L2 indicated is greater than the maximum number of DOEs specified for your system. All DOEs beyond the maximum number of DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

Program Messages - PGLI (PPG100)

OLD/NEW

Information only. Existing GLI Table of Accounts entry is being updated. No action is necessary.

ADDED

Information only. A new entry is being added to the GLI Table of Accounts. No action is necessary.

DELETED

Warning. An existing GLI Table of Accounts entry is being deleted. No action is necessary.

ADD ALREADY HAS REC ON MASTER FILE

Rejected. A new entry to be added to the GLI Table of Accounts has the same key as an existing entry. The new entry is ignored. Correct and resubmit.

CHANGE TRANS NOT ON MASTER FILE

Rejected. In an update run, the maintenance code is C indicating field updating, but the key does not match an existing record. The update record is ignored. Correct and resubmit.

DELETE TRANS NOT ON MASTER FILE

Rejected. In an update run, the GC transaction key does not match an existing record. The delete record is ignored. Correct and resubmit.

Program Messages - PGLI (PPG200)

PDG2DT-01 CAUTION: HRMS TABLES FILE DOE EXCEED MAX DOES FOR xxxx

Warning. The number of DOEs in the HRMS Tables File for the level 1 - level 2 (xxxx) indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. To find out the maximum number of DOEs, see PPPDOE.

PDG2DT CAUTION: NO DOES ESTABLISHED ON HRMS TABLES FILE xxxx

Warning. There are no DOEs defined in the HRMS Tables File for the level 1 - level 2 (xxxx) specified.

PDG2AT-01 - DOE NOT FOUND ON HRMS TBL FILE

Warning. The DOE being processed was not found in the HRMS Tables File. A search of the organization DOE Table produced no match on the DOE code for the level 1 - level 2 being processed.

SEQ ERR INTERFACE FILE

Input Distribution/Interface File is out of sequence. Rerun PLG190.

SEQ ERR RUN PARAMETERS

Run parameter (GL) transactions not in level 1-level 2 sequence.

INVALID RUN PARAMETER CARD

Run parameter transaction has invalid data. See Mismatch Report.

CO/SUB TABLE NOT LARGE ENOUGH

Because of cross charges from organization/subsidiary to organization/subsidiary, the table is not large enough. Notify programmer. The following copybooks in program PPG200 contain lines of code that can be modified to increase the size of the table:

PCG2WA 067000 occurs 300 times - This is the default maximum. Increase as necessary.
PDG2HR line 254200 add 1 to new max
PDG2GH line 255720 new max.
PDG2HK line 101400 add 1 to new max.

MISSING HDR RCD 1

Organization header record number 1 is missing. Check PLG190 for record count and PLP700 for normal EOJ.

MISSING HDR RCD 2

Organization header record number 2 is missing. Check PLG190 for record count and PLP700 for normal EOJ.

Program Messages - PGLI (PPG300)

SEQ ERR INTERFACED FILE (N30-INTERFACED)

Input transaction file is out of sequence. Rerun sort PLG150 and restart.

MISSING HEADER RCD (N30-INTERFACED)

The first record for each organization/subsidiary must be a header record. Check PLG150 for record counts and PLG200 for valid EOJ.

Program Messages - Labor Distribution (PLL550)

CAUTION: HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED

The number of DOEs on the HRMS Tables File for the L1, L2 indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

CAUTION: NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx

There are no DOEs defined on the HRMS Tables File for the L1, L2 specified.

PM5511 - INV. OR MISSING L*

This message indicates one of the following conditions:

- The L* transaction was not the first transaction or;
- The L* transaction had errors and was rejected, therefore, processing must terminate.

PM5512 - PWL050 INV RCD CNT ORG LEVEL 0 - 2 ORG RECORD COUNT
xxxx nnnnnnnnnnn
LEVEL 0 - 2 INTERNAL RECORD CNT
xxxx nnnnnnnnnnn

This message indicates the record count on the Edited Labor Distribution Transactions File organization trailer record does not equal the record count in the program.

PM5511 - INV. OR MISSING L*

This message indicates on of the following conditions:

- The L* transaction was not the first transaction or;
- The L* transaction had errors and was rejected, therefore, processing must terminate.

PM5512 - PWL050 INV RCD CNT ORG LEVEL 0 - 2 ORG RECORD COUNT
xxxx nnnnnnnnnn
LEVEL 0 - 2 INTERNAL RECORD CNT
xxxx nnnnnnnnnn

This message indicates the record count on the Edited Labor Distribution Transactions File organization trailer record does not equal the record count in the program.

PM5512 - PWP050 INV RCD CNT FILE
FILE RECORD COUNT nnnnnnnnnn
INTERNAL RECORD COUNT nnnnnnnnnn

This message indicates the record count on the Edited Labor Distribution Transactions File trailer record does not equal the record count in the program.

PM5512 - PWL190 - INV HDR TRAN CD LEVEL 0 - 2 REC TYPE TRAN CODE
xxxx x xxxx

This message indicates the Labor Distribution/GL Interface File contains a header record with a transaction code other than 0001 - 0012, 0025, or 0026.

PM5512 - PWP190 - INV RCD TYPE LEVEL 0 - 2 REC TYPE TRAN CODE
xxxx x xxxx

This message indicates the Labor Distribution/GL Interface File contains a record with a record type other than 0, 1, 2, 3, or 9.

PM5512 - PWP190 - INV RCD CNT FILE
FILE COUNTS DOLLARS/HOURS
nnnnnnnnnn nnnnnnnnnn
INTERNAL COUNTS DOLLARS/HOURS
nnnnnnnnnn nnnnnnnnnn

This message indicates the record count on the Labor Distribution/GL Interface File trailer record does not equal the record count in the program.

PM5512 - PWV020 NO RCD FOUND NO TL FOUND FOR L1L2
xxxx

This message indicates the HRMS Tables File does not contain a TL transaction to process the level 2.

PM5513 - PWL040 OUT OF SEQ SRG

This message indicates an out of sequence condition on the Sorted Transaction File when processing the SRG parameters.

PM5513 - PWL140 NOT ENOUGH XTNTS

This message indicates the space allocated to the SRG Select File is insufficient. Increase extents and restart job.

PM5513 - PWL170 NOT ENOUGH XTNTS

This message indicates the space allocated to the SRG Print Control File is insufficient. Increase extents and restart job.

PM5530 - PWL080 RCD CNT ERROR
FILE RECORD COUNT
nnnnnnnnnn
INTERNAL RECORD COUNT
nnnnnnnnnn

This message indicates the record count in the file trailer record of the Sorted Combined Transactions does not equal the record count in the program.

PM5530 - PWL080 OUT OF SEQ
CURR KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn
PREV KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn

This message indicates an out of sequence condition on the Sorted Combined Transactions.

PM5530 - PWL010 INV TRL CNT ORG
LEVEL 0 - 2 ORG RECORD COUNT
xxxx nnnnnnnnnn
LEVEL 0 - 2 INTERNAL RECORD CNT
xxxx nnnnnnnnnn

This message indicates the record count in the organization trailer record of the Labor Distribution Master File does not equal the record count in the program.

PM5530 - PWL010 FILE TRL CNT ERR
FILE EMPLOYEE/RECORD COUNT
nnnnnnnnnn nnnnnnnnnn
INTERNAL EMPLOYEE/RECORD COUNT
nnnnnnnnnn nnnnnnnnnn

This message indicates the record count in the file trailer record of the Labor Distribution Master File does not equal the record count in the program.

PM5531 - BUDGET EXCEEDS MAX 340 LEVEL 0 - 2 REC TYPE
xxxx x

This message indicates that more than 340 budget item have been entered. You are allowed to enter up to 340 different budget categories.

PM5531 - PWL010 INV RCD TYPE LEVEL 0 - 2 REC TYPE EMPL NUM
xxxx x nnnnnnnnnn

This message indicates the Validate/Update program has received a record type other than 1, 2, or 3.

PM5531 - PWL090 NOT ENOUGH XTNTS

This message indicates the space allocated to the Validate Report is insufficient. Increase extents and restart job.

PM5531 - PWL100 NOT ENOUGH XTNTS

This indicates the space allocated to the Update Report is insufficient. Increase extents and restart job.

PM5533 - CONTROL SWS FROM UPD LEVEL 0 - 2 REC TYPE EMPL NUM
xxxx x nnnnnnnnnn

This message indicates the Basic Report Generator Program has been called when either the record type is invalid or the process switch set by PM5530 is not indicative of the activity to be done.

PM5533 - PWL120 NOT ENOUGH XTNTS

This message indicates the space allocated to the Reports File is insufficient. Increase extents and restart job.

PM5540 - PWL010 INV RCD TYPE LEVEL 0 - 2 REC TYPE EMPL NUM
xxxxx x nnnnnnnnnn

This message indicates the Labor Distribution Master File contains a record with a record type other than 1, 2, 3, 9, or high values.

PM5540 - PWL010 OUT OF SEQUENCE
PREV KEY L0 - L2 TYPE EMPL NUM
xxxx x nnnnnnnnnnn
CURR KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnnn

This message indicates the first record on the Labor Distribution Master File is not a header record.

PM5540 - PWL010 MISSING HDR RCD
LEVEL 0 - 2 REC TYPE EMPL NUM
xxxx x nnnnnnnnnn

This message indicates the Labor Distribution Master File first record is not a header record.

PM5540 - PWL010 MISSING HDR 100
LEVEL 0 - 2 REC TYPE SEG NUM
xxxx x nnn

This message indicates the Labor Distribution Master File does not have a header record 100 as the first header record for a company.

PM5540 - PWL010 MISSING HDR 110
LEVEL 0 - 2 REC TYPE SEG NUM
xxxx x nnn

This message indicated header record 110 of the Labor Distribution Master File is missing.

PM5540 - PWL010 MISSING HDR 150
LEVEL 0 - 2 REC TYPE SEG NUM
xxxx x nnn

This message indicates header record 150, 151, 152, 153 or 154 of the Labor Distribution Master File is missing.

PM5540 - PWL010 MISSING HDR 200
LEVEL 0 - 2 REC TYPE SEG NUM
xxxx x nnn

This message indicates header record 200 of the Labor Distribution Master File is missing.

PM5540 - PWL010 OUT OF SEQ BUD
PREV KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn
CURR KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn

This message indicates the first budget record for a set does not follow a header record, a budget record, or an employee record on the Labor Distribution Master File.

PM5540 - PWL010 OUT OF SEQ EMP
PREV KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn
CURR KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn

This message indicates the first employee record for a set does not follow a header record, a budget record, or an employee record on the Labor Distribution Master File.

PM5540 - PWL010 1ST EMPRCD NT200
LEVEL 0 - 2 TYPE EMP NUM SEG
xxxx x nnnnnnnnnn xxx

This message indicates the first record for an employee set is not a 200 segment on the Labor Distribution Master File.

PM5540 - PWL010 INV EMP SEG NUM
LEVEL 0 - 2 TYPE EMP NUM SEG
xxxx x nnnnnnnnnnn xxx

This message indicates the segment number on the employee record is not 200, 210, 220, 300 - 3, 400 - 4, or 500 on the Labor Distribution Master File.

PM5540 - PWL010 OUT OF SEQ COTRL
PREV KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn
CURR KEY L0 - L2 TYPE EMP NUM
xxxx x nnnnnnnnnn

This message indicates the organization trailer record does not follow a header record, a budget record, or an employee record on the Labor Distribution Master File.

PM5540 - PWL010 OUT OF SEQ FILE
PREV KEY L0 - L2 TYPE EMPL SEG
xxxx x nnnnnnnnnn xxx
CURR KEY L0 - L2 TYPE EMPL SEG
xxxx x nnnnnnnnnn xxx

This message indicates the file trailer record does not follow a company trailer record on the Labor Distribution Master File.

PM5540 - PWL010 INV EOF

This message indicates the Labor Distribution Master file has been read beyond the file trailer record.

PM5541 - PWL010 INV RCD TYPE
LEVEL 0 - 2 REC TYPE SEG NUM
xxxx x nnnnnnnnnn xxx

This message indicates the record type is not 1, 2, 3, 9 or high values on the Labor Distribution Master file.

PM5541 - PWL010 NOT ENOUGH XTNTS

This message indicates the space allocated to the output Labor Distribution Master file is insufficient. Increase extents and restart job.

PM5550 - NO RPTS REQUESTED

This message indicates that module PM5550 was entered when the L* transaction designated not to print basic and SRG Reports. This condition should not occur, check user modification before calling Customer Support.

PM5550 - PWL150 INV RCD CNT FILE
FILE RECORD COUNT
nnnnnnnnnn
INTERNAL RECORD COUNT
nnnnnnnnnn

This message indicates the record count on the Reports File trailer record does not equal the record count in the program.

PM5550 - PWL150 OUT OF SEQUENCE
PREV KEY L0 - L2 REC TYPE
xxxx x
CURR KEY L0 - L2 REC TYPE
xxxx x

This message indicates an out of sequence condition on the Reports File.

PM5550 - PWL150 HAS NO BASIC RCD

This message indicates the L* transaction is requesting the printing of Basic and/or Budget Reports and the Reports File does not contain records for those reports.

PM5550 - PWL150 HAS NO SRG RCDS

This message indicates the L* transaction is requesting the printing of SRG reports and the reports file does not contain records for SRG reports.

PM5550 - PWL150 MISSING FILE TRL

This message indicates the File Trailer Record on the Reports File is missing.

PM5551 - PWL150 INV. FIRST RECORD
LEVEL 0 - 2 TYPE TRAN CODE
xxxx x nnnn

This message indicates the first record on the Reports File is not a header record.

PM5551 - PWL150 OUT OF SEQUENCE
PREV KEY L0 - L2 REC TYPE
xxxx x
CURR KEY L0 - L2 REC TYPE
xxxx x

This message indicates an out of sequence condition on the Reports File.

PM5551 - PWL150 INV REC CNT ORG
LEVEL 0 - 2 ORG RECORD COUNT
xxxx nnnnnnnnnn
INTERNAL RECORD COUNT
nnnnnnnnnn

This message indicates the record count on the Reports File organization trailer record does not equal the record count in the program.

PM5551 - PWL150 MISSING HDR RCD
LEVEL 0 - 2 TYPE TRAN CODE
xxxx x nnnn

This message indicates the absence of a header record on the reports file for a Basic Report.

PM5552 - PWL150 MISSING SRG HDR
CURR KEY L0 - L2 RPT NUM
xxxx nn

This message indicates the SRG report header record is not present. Verify that file is in proper sequence. If so, SRG report must be regenerated.

PM5552 - PWL150 OUT OF SEQUENCE
PREV KEY L0 - L2 RPT NUM
xxxx nn
CURR KEY L0 - L2 RPT NUM
xxxx nn

This message indicates that the Report File is not in the proper sequence. Sort the file and rerun.

PM5552 - PWL170 OUT OF SEQUENCE
PREV KEY L0 - L2 RPT NUM
xxxx nn
CURR KEY L0 - L2 RPT NUM
xxxx nn

This message indicates that the SRG Print Control File is not in the proper sequence. Sort the file and rerun.

Copy Services (PLP000)

PDP000-01 INVALID MS-2 TRANSACTION(S) INCURRED DURING PROCESSING

Abort. At least one MS-2 transaction was invalid. See the Control Transactions Report for a listing of the valid and invalid MS-2 transactions. An output file is created with the organizations on valid MS-2 transactions and the organizations on the secondary input file. All files are closed, file control is completely processed, and all reports are printed.

After determining the cause of the problem, you can either

- Correct the invalid MS-2 transactions and rerun Copy Services, or
- Use the output file that was created to continue normal processing.

Abort Messages - Load (PLP200)

JOB ABORTED - PLP200 - NO INPUT CARDS - IC REQUIRED

Input transaction file is empty.

JOB ABORTED - PLP200 - INVALID OR NO IC CARD

Missing IC card in input transaction file or IC card is not the first record read.

JOB ABORTED - PLP200 - DUPLICATE IC TRANSACTION

Abort. There is more than one IC transaction.

PDP210-03 - INV EMP MASTER FILE TYPE IC - TRANS IC TRANSACTION

Abort. The Employee Master File type on the IC transaction is not blank, P, or R. Correct the IC transaction and resubmit.

P1P01M A INVALID RECYCLED CARD CODE IMPOSSIBLE LOGIC SITUATION

Abort. The recycled card code is invalid, correct and rerun.

WARNING - EMP MASTER FILE TYPE CHANGED FROM x TO x

Warning. The Employee Master File type on the IC transaction was changed in a recycle run. The Employee Master File type on the new IC transaction will be used. Verify that it is correct.

Program Messages - Validate (PLP400)

JOB ABORTED - PLP400 - NO IC TRANSACTION

Abort. There is no IC transaction.

ERROR EOF IN TRANS
PLP400 - PROGRAM ABORTED DUE TO CONDITION WHICH SHOULD NOT OCCUR

Abort. Transaction file empty.

INPUT ACTIVITY OUT OF SEQUENCE
THIS KEY xxxxxxxxxxxxxxxxxxx
PREV KEY xxxxxxxxxxxxxxxxxxx
PLP400 - PROGRAM ABORTED DUE TO CONDITION WHICH SHOULD NOT OCCUR

Abort. Transaction file out of sequence, verify sort parameters.

INVALID LOGIC SITUATION PLP400 - PROGRAM WILL ABEND
STOP - DO NOT CONTINUE
INVALID LOGIC SITUATION P1P03M - PGM WILL ABEND
PLP400 - PROGRAM ABORTED DUE TO CONDITION WHICH SHOULD NOT OCCUR

Abort. Position Control file out of sequence.

CAUTION: HRMS TABLES FILE DOES EXCEED MAX DOES SPECIFIED

Warning. The number of DOEs set up on the HRMS Tables File is greater than the number of DOEs allowed in the organization DOE Table of the program.

PLAN ID NOT ON TABLES FILE, PLAN IDENTIFIER MUST BE ON BOTH THE MASTER FILE AND THE TABLES FILE

Add the indicated plan ID to the HRMS Table File or remove it from the Employee Master File for the level 1 - level 2 listed.

NO TRANSACTIONS WRITTEN TO VALID TRANSACTIONS FILE - PWP11V

Abort. The Valid Transaction File contains a file header (IC), but no other transaction activity.

Program Messages - Update (PLP600)

PDJ6PM-01 POSITION CONTROL MASTER NOT CONVERTED THROUGH CURRENT UB

You are not using the most current Position Control Master File.

PDJ6PM-02 I/O ERROR IN PROCEDURE PWJ01I - NO RECORDS ON THE FILE

Your PWJ01I file is empty.

PDP600-01 - MISSING ORG HDR FOR LEVEL 1 - LEVEL 2

Abort. The organization header for the level 1 - level 2 was not found for maintenance. This can occur when the Valid Transaction File and Employee Master File do not match.

PDP600-02 - DUPLICATE ORG HDR ADD FOR LEVEL 1 - LEVEL 2

Abort. A CA transaction to add an organization header for the level 1 - level 2 was found and the header already exists. This can occur when the Valid Transaction File and the Employee Master File do not match.

PDP600-02 - CA MISSING TO ADD ORG HDR FOR LEVEL 1 - LEVEL

Abort. An organization header for the level 1 - level 2 DOEs not exist and no CA transaction was found to add the header. This can occur when the Valid Transaction File and the Employee Master File do not match.

PDP610-01 - TRANS FILE - HEADER MISSING

Abort. The Valid Transaction File Header record was not found. The Transaction Validate (PLP400) must be rerun to recreate the file.

PDP611-01 - AA MISSING FOR LEVEL 1 - LEVEL 2

Abort. Transactions for the level 1 - level 2 are present, but there is no AA transaction. To correct, rerun Transaction Validate (PLP400) and Update Master File (PLP600).

PDP611-02 - MASTER RECORD NOT FOUND FOR LEVEL 1 - LEVEL 2, RECORD TYPE, EMPLOYEE NUMBER

Abort. The Master Record is missing for the key, and maintenance transactions are present. This can occur when the Valid Transaction File and the Employee Master File do not match. To correct, mount correct files.

PDP611-03 - MASTER RECORD ALREADY PRESENT FOR LEVEL 1 - LEVEL 2, RECORD TYPE, EMPLOYEE NUMBER

Abort. Transactions are present to add a record for the key, and the record already exists. This can occur when the Valid Transaction File and the Employee Master File do not match. To correct, mount correct files.

******* PDP616-01 CAUTION.. HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED *******

The number of DOEs on the HRMS Tables File for the L1, L2 indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

******* PDP616-02 CAUTION.. NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx *******

There are no DOEs defined on the HRMS Tables File for the L1, L2 specified. The system cannot identify a DOE which corresponds to the bank account number you are resetting; therefore, no bank service DOE will be inactivated.

******* PDP616-03 CAUTION.. NUMBER OF DOES FOR EMPLOYEE zzzzzzzzzz EXCEEDS MAXIMUM. DOE yy IGNORED *******

You are attempting to establish more than 90 DOEs for an employee. Since this data was validated, DOEs have been added to the employee's record (via Real-time) to bring the number of DOEs up to the maximum (90). No additional DOEs will be processed.

******* PDP616-05 NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx *******

There are no DOEs defined on the HRMS Tables File for the L1, L2 indicated. There were DOEs present when this data was validated. DOE information has been deleted or you are not using the same HRMS Tables File that was used during the validation process. Restore your HRMS Tables File DOE data or revalidate this data using this HRMS Tables File.

******* PDP616-06 SUPPLEMENTAL ADDRESS TABLE FULL FOR xxxx EMPLOYEE xxxxxxxxxx *******

The supplemental address table is full for the employee, you cannot add another supplemental address for this employee until you delete one. A maximum of 24 supplemental addresses can exist per employee.

******* PDP616-07 EMP HEALTH PLAN TABLE FULL FOR xxxx EMPLOYEE xxxxxxxxxx *******

The health plan table is full for the employee, you cannot add another health plan for this employee until you delete one. A new plan is being added but 16 plans already exist for this employee.

******* PDP616-08 DEPENDENT TABLE FULL FOR xxxx EMPLOYEE xxxxxxxxxx *******

The dependent table is full for the employee, you cannot add another dependent for this employee until you delete one.

******* PDP616-09 DEP HEALTH PLAN TABLE FULL FOR xxxx EMPLOYEE xxxxxxxxxx *******

The dependent health plan table is full for the employee, you cannot add another dependent health plan for this employee until you delete one.

Program Messages - Compute (PLP700)

ALL EARN IDS AND PLAN YRS USED

Abort. The employee has the maximum number of Hours/Earnings accumulators established on the 645-676 segments.

***** ALL R1 TIME ENTRY TRANSACTIONS ARE IGNORED - NO CHECK PRODUCED *****

The employee has negative time cards that has caused Regular Wages, Supplemental Flat Tax Wages, and/or Accumulate But Don't Tax Wages to go negative. Taxes cannot be calculated for negative wages. Refer to KB 1046330 for details.

DOE LIMIT NOT POSITIVE

A YD transaction is present to adjust the limit amount for the DOE displayed on the report. The adjustment causes the limit amount to be less than or equal to zero. The DOE is already inactivated and the DOE period code is already set to zero. The DOE remains inactive.

DOE LIMIT NOT POSITIVE - DOE INACTIVATED

A YD transaction is present to adjust the limit amount for the DOE displayed on the report. The adjustment causes the limit amount to be less than or equal to zero. The DOE period code is set to zero to inactivate the DOE. Processing continues.

DOE NOT FOUND AT EMPE LEVEL - IGNORED - AMTS NOT POSTED

A YD transaction is present with an adjustment to the DOE displayed on the report. This DOE does not exist on the employee record. Either the Employee Master File or the Valid Transactions file has been altered since this data was validated. To correct this situation you should:

- Restore the Employee Master File information to the condition it was when this data was validated, or
- Revalidate this data using the Employee Master File.

If you take no action, the DOE will be ignored and the associated amounts will not be posted.

DOE NOT FOUND AT ORG LEVEL - IGNORED - AMTS NOT POSTED

A YD transaction is present with an adjustment to the DOE displayed on the report. This DOE cannot be found in the organization DOE Table built from the HRMS Tables File for this organization. DOE information in the HRMS Tables File has been changed since this data was validated. Either this DOE has been deleted or other DOEs have been inserted and the number of DOEs in the HRMS Tables File now exceeds the maximum specified for your system.

Information in the HRMS Tables File should not be changed during a processing cycle. To correct this situation, you should:

- Restore the HRMS Tables File information to the condition it was when this data was validated, or
- Revalidate this data using this HRMS Tables File.

If you take no action, the DOE will be ignored and the associated amounts will not be posted.

**** DOE YY NOT FOUND IN ORG TABLE/EMPLOYEE RECORD. ZT/ZV IGNORED.****

A time entry transaction is present for the DOE indicated. This DOE cannot be found in the organization DOE Table built from the HRMS Tables File for this organization. DOE information in the HRMS Tables File has been changed since this data was validated. Either this DOE has been deleted or other DOEs in the HRMS Tables File now exceeds the maximum specified for your system. Information in the HRMS Tables File should not be changed during processing cycle. To correct this situation, you should:

- Restore the HRMS Tables File information to the condition it was when this data was validated, or
- Revalidate this data using this HRMS Tables File.

If you take no action, this transaction will not be processed.

EMPE DOE TABLE FULL, CANNOT ESTABLISH LA DEBT DOE

During a quarter clear-to-date cycle, an attempt was made to establish a DOE for an employee who had the Louisiana debt special assessment taken during the quarter. The DOE could not be established because the employee DOE table is full. Processing continues. QTD total is not added to YTD total.

EMPE DOE TABLE FULL, CANNOT ESTABLISH WV DEBT DOE

During a quarter clear-to-date cycle, an attempt was made to establish a DOE for an employee who had the West Virginia debt retirement assessments taken during the quarter. The DOE could not be established because the employee DOE table is full. Processing continues. QTD total is not added to YTD total.

EMPE DOE TABLE FULL, CANNOT ESTABLISH WV FUND DOE

During a quarter clear-to-date cycle, an attempt was made to establish a DOE for an employee who had the West Virginia fund stabilization assessments taken during the quarter. The DOE could not be established because the employee DOE table is full. Processing continues. QTD total is not added to YTD total.

OHIO SDIT DOE XX NON-NUMERIC SORT CODE XXXXX L1 XX L2 XX EE XXXXXXXXXX

Abort. Sort Code field may not contain spaces or non-numeric values.

PDC737-02 EI WAGE MAXIMUM NOT FOUND ON HRMS TBL FILE FOR DATE yyyymmdd

EI annual wage maximum was not found on HRMS Tables File for date yyyymmdd.

PDC737-09 CPP/QPP WAGE MAX. NOT FOUND ON HRMS TBL FILE FOR DATE yyyymmdd

CPP/QPP wage maximum not found on HRMS Tables File for date yyyymmdd.

PDC737-10 CPP TAX MAXIMUM NOT FOUND ON HRMS TBL FILE FOR DATE yyyymmdd

CPP tax maximum not found on HRMS Tables File for date yyyymmdd.

PDC737-11 QPP TAX MAXIMUM NOT FOUND ON HRMS TBL FILE FOR DATE yyyymmdd

QPP tax maximum not found on HRMS Tables File for date yyyymmdd.

PDC737-12 DEF EMPLR EI TAX RATE NOT ON HRMS TBL FILE FOR DATE yyyymmdd

Default Employer EI tax rate not found on HRMS Tables File for date yyyymmdd.

PDC737-13 EMPLOYEE EI TAX RATE NOT ON HRMS TBL FILE FOR DATE yyyymmdd

Employee EI tax rate not found on HRMS Tables File for date yyyymmdd.

PDP700-01 - NO MASTER RECORD FOR xxxxxxxxxxxxxxxxxxx

Abort. A transaction was entered for an employee that is not in the Employee Master File. Payroll Compute cannot process.

PDP700-02 - I-O ERROR IN CLOSING ATFMTT
STATUS IS 00 FILE STATUS IS xx

Abort. Check status and File status documented at beginning of this section.

PDP717-01 SALTA REC OUT OF BALANCE INPUT CNT xxxxxx TRAILER CNT xxxxxx

Warning. The input count of SALTA segments does not equal the count on the trailer record. To correct the counts, run Master File Utility (PLP900).

PDP717-02 DOE REC OUT OF BALANCE INPUT CNT xxxxxx TRAILER CNT xxxxxx

Warning. The input count of DOE segments does not equal the count on the trailer record. To correct the counts, run Master File Utility (PLP900).

PDP717-03 MASTER REC OUT OF BALANCE INPUT CNT xxxxxx TRAILER CNT xxxxxx

Warning. The input count of total segments does not equal the count on the trailer record. To correct the counts, run Master File Utility (PLP900).

******* PDP740-03 CAUTION: HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED *******

The number of DOEs in the HRMS Tables File for the L1, L2 indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

******* PDP740-04 NO DOES ESTABLISHED ON HRMS TABLES FILE FOR L1L2 *******

There are no DOEs defined in the HRMS Tables File for the L1, L2 specified. No DOE processing will take place for this organization.

******* PDP740-05 NUMBER OF DOES DEFINED FOR BENEFIT EARNINGS ACCUMULATOR yyy FOR xxxx EXCEED THE MAX SPECIFIED PER EARN ACCUM *******

The number of DOEs being processed for the earnings accumulator indicated, exceeds the maximum established in copybook PCXW05 for the L1, L2 specified.

******* PDP740-06 WARNING *** TAX CONSTANT xxxxxxxxxx NOT FOUND ON HRMS TABLES FILE ---- NO OREGON TRANSIT TAX WITHHELD **********

Warning. At least one employee in the organization is subject to the Oregon transit tax but the ORTRANTAX and/or ORTRANWAGE tax constant is not defined on the HRMS Tables File for the organization.

PDP770-01 WARNING * BASE WEEK WAGE MINIMUM NOT ON HRMS TABLES FILE FOR STATE: xx, DATE: xxxxxxxx, ZERO AMOUNT ASSUMED *****

Warning. The weekly base wage minimum for the state and period end date indicated in the message is not on the HRMS Tables File. To correct this warning, add the reference transaction to the Tables File. For specific information, refer to the Tax Reference Guide.

These reference transactions are required only when paying time card required employees or when paying employees in New Jersey.

PDP771-01 NO ID TRANS ON VALID TRANS FILE

Abort. The file header is missing on the Valid Transaction File. To correct, rerun Transaction Load (PLP200) and Transaction Validate (PLP400) to create the file header.

PDP771-02 VALID TRANS FILE OUT OF SEQUENCE

Abort. The valid Transaction File is out of sequence.

PDP771-03 NO AA TRANS FOR xxxx

Abort. An AA transaction for the organization to be processed was not found on the Valid Transaction File.

PDPTAX-01 TAX CALC ERR: RC=xxx L1L2=xxxx EMP#=9999999999 AUTH=xxxxxxxxxx

Abort. An error has occurred in a tax calculation. The RC value is a Tax Processor Error Code which is documented in "Tax Processor Error Messages" in the *Tax Reference Guide*, Error Messages section.

The L1L2, EMP# and AUTH values identify the abending employee and tax segment. Produce a 95 print of the employee's record to review the specific tax data in relation to the information on the tax reference and calculation files for that authority.

STATE WORKED IN IS ZERO - IGNORED - AMTS NOT POSTED
RESIDENT STATE CODE IS ZERO - IGNORED - AMTS NOT POSTED

A YL transaction is present to adjust the FIT/FUI wages. If the SUI indicator specifies to use the work state but it is zero, or the SUI indicator specifies to use the resident state but it is zero, do the following:

- Restore the Employee Master File to the condition it was when this data was validated, or
- Change the work or resident state, depending on what the SUI indicator dictates, to a valid state code.
- Rerun Compute.

If you take no action, the amounts will not be posted.

Employee Master File Conversion (PLP900)

PDP921-01 - MST TYPE ACCESS INV

Abort. The access method for the Employee Master File is random. Change the access method to sequential on the HRMS Tables File and resubmit.

PDP930-01 - MST TYPE ACCESS INV

Abort. The access method for the Employee Master File is random. Change the access method to sequential on the HRMS Tables File and resubmit.

Employees Not Paid (PLPENP)

PDPENP-01 NO IC TRANS ON VALID TRANS FILE

Abort. The file header is missing on the Valid Transaction File. To correct, rerun Transaction load (PLP200) and Transaction Validate (PLP400) to create the file header.

Abort Messages - Report Generate (PLR100)

PDR112-01 FICA WAGE BASE NOT ON HRMS TBL FILE FOR DATE: yyyymmdd

HRMS Tables File Reference Information does not contain a record for constant SSWAGEBASE (social security wage base) with an effective date of yyyymmdd or earlier. Add the record using the Reference Information Loader and rerun.

PDR112-02 STD. EMPLE FICA RATE NOT ON HRMS TBLE FILE F OR DATE: yyyymmdd

HRMS Tables File Reference Information does not contain a record for constant EECOMBSSRT (employee combined social security rate) with an effective date of yyyymmdd or earlier. Add the record using the Reference Information Loader and rerun.

PDR112-03 MED. EMPLE FICA RATE NOT ON HRMS TBL FILE FOR DATE: yyyymmdd

HRMS Tables File Reference Record Information does not contain a record for constant MEDICARERT (employee Medicare only social security rate) with an effective date of yyyymmdd or earlier. Add the record using the Reference Information Loader and rerun.

PDC112-02 CPP/QPP WAGE MAXIMUM NOT ON HRMS TABLES FILE FOR DATE: yyyymmdd

CPP/QPP annual wage maximum was not found on HRMS Tables File for date yyyymmdd.

PDR110-01 - A* TRANS IN ERROR - CORRECT A* AND RERUN

Abort. Master access override (A*) transaction contains an error and processing cannot continue. Correct A* transaction to correct the problem.

PDR110-02 - NORMAL INPUT FILES REC NOT FOUND ON HRMS TABLES FILE

Abort. Normal input files record (T00-001) not found in the HRMS Tables File. To correct the problem, add the normal input files record to the HRMS Tables File and rerun.

NO TB TRANSACTION ON DESCRIPTION FILE, KEY = xxxxxxxxxxxxxxxxx

Add TB transaction to HRMS Tables File for level 1 - level 2 indicated in key.

PDR1DT-01 CAUTION: HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED

The number of DOEs defined on the HRMS Tables File for the L1-L2 indicated is greater than the maximum number of DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

PDR1DT-02 CAUTION: NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx

There are no DOEs established on the HRMS Tables File for the L1, L2 indicated.

Program Message - PMRS Report Extract (PLR200)

PDR2DT-01 CAUTION. HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED

The number of DOEs defined on the HRMS Tables File for the L1, L2 indicated is greater than the maximum number of DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

PDR2DT-02 CAUTION. NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx

There are no DOEs established on the HRMS Tables File for the L1, L2 indicated.

DOC NBR NOT FOUND ON COMPANY LEVEL
LEVEL 1 = level 1
LEVEL 2 = level 2
EMP NO = employee number
PLAN ID = plan ID number
DOC NBR = document number
JOB CANCELLED

Abort. A document number on the employee's record was not found on the HRMS Tables File. This can occur when the wrong Employee Master File or the wrong HRMS Tables File is used. If the files are correct, add the document number to the file using a T21 - 001 transaction.

Program Messages - Time Entry Proof (PLR300)

NO MATCHING ORGANIZATION DOES FOUND ON HRMS TABLES FILE

The DOEs were not found in the organization DOE table that was built for the current L1L2 from the HRMS Tables File. The HRMS Tables File is not the same one previously used for the VALIDATE program.

NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx

There are no DOEs established on the HRMS Tables File for the L1, L2 specified. The HRMS Tables File is not the same one previously used for the VALIDATE program.

CAUTION: HRMS TABLE DOES EXCEED MAX DOES SPECIFIED

The number of DOEs set up on the HRMS Tables File is greater than the number of DOEs allowed in the organization DOE table of the program.

Program Messages - Payroll Report Print (PLR400)

PDR4DT-01 CAUTION: HRMS TABLES FILE DOES FOR xxxx IN PROGRAM PPR4ZZ EXCEED MAX DOES SPECIFIED

The number of DOEs established in the HRMS Tables File for the indicated L1-L2 (xxxx) is greater than the maximum number of DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. This occurred in the specified (zz) program. (To find out the maximum number of DOEs, see program PPPDOE.)

PDR4DT-02 CAUTION: NO DOES ESTABLISHED IN HRMS TABLES FILE FOR xxxx IN PROGRAM PPR4ZZ

There are no DOEs established in the HRMS Tables File for the L1-L2 indicated.

PDR4IN-01 INVALID BLANK PAGE OPTION ON AF TRANSACTION, COL. 21 CHANGED TO 0

Warning. The blank page option on the AF transaction is not 0, 1, or 3. Zero is assumed and no pages will be skipped between level 1-level 2s.

PDR403-01 DOE NOT FOUND ON HRMS TABLES FILE FOR xxxx

The DOE specified was not found in the HRMS Tables File.

PDR404-01 DOE NOT FOUND ON HRMS TABLES FILE FOR xxxx

The DOE specified was not found in the HRMS Tables File.

ERROR CODE 1 SEQUENCE ERROR
REPORT FILE
PREVIOUS KEY xxxxxxxxxx
CURRENT KEY xxxxxxxxxx

Possible causes:

- Missing TK transaction in HRMS Tables File - check Process Summary report from PLR100 for associated errors.
- Check sequence of sorted reports file.
- Same problem as Error Code 6.

ERROR CODE 3 SCC OR BANK CODE NOT FOUND

Need to update the HRMS Tables File with:

- TA transaction for the Bank code.
- TC transaction for the SCC code.

ERROR CODE 4 AE CARD EXCEEDS LIMIT

The limit is 150 AE transactions.

ERROR CODE 6 RECORD COUNTS NOT IN BALANCE

Possible causes:

- On the AD transaction, position 7 was not blank but the Checkwriter was not executed. Execute Checkwriter, rerun sort and Payroll Report Print.
- On the AD transaction, position 7 was blank but the sort prior to Payroll Report Print sorted in both the report records file and check records file. Remove the check records file from the sort, rerun sort and Payroll Report Print.

ERROR CODE 7 AF INVALID DATE

Current date on AFT transaction.

ERROR CODE 8 AE CARD CONTAINS INVALID FLAG

There is an invalid Print/Create Report Options value on the AE transaction in positions 7-15, 25-28 or 33. Position 11 must be blank, C, Q, M or Y. All other positions in the previous range must be either blank or asterisk.

ERROR CODE A INVALID CONTROL CARD

An invalid transaction has been read into PWR16S (SYS005). Correct transaction and rerun.

ERROR CODE F HRMS TABLES FILE MISSING TB RECORD

Update the Tables File with a TB transaction.

ERROR CODE G INVALID BILLING TRANS CODE

An invalid Billing transaction code has been entered. Valid codes are B1, B2, B3, B4, B5 or B6.

ERROR CODE H MISSING AF TRANSACTION

Add AF transaction to the Tables File or bring it instream into Payroll Report Print.

ERROR CODE I INVALID TA RECORD

Correct the TA transaction in the HRMS Tables File.

ERROR CODE J INVALID TW RECORD

Correct the TW transaction in the HRMS Tables File.

ERROR CODE K INVALID TX RECORD

Correct the TX transaction in the HRMS Tables File.

ERROR CODE L P1P40M70 INVALID KEY SYS020

Out of space on SYS020.

ERROR CODE M P1P40M70 INVALID KEY SYS013

Out of space on SYS013.

ERROR CODE N P1P40M70 INVALID KEY SYS014

Out of space on SYS014.

ERROR CODE P P1P40M70 INVALID KEY SYS019

Out of space on SYS019.

PRR473 ERROR EOJ CODE - H

TM-TUU records not present in the HRMS Tables File.

PRR474 ERROR EOJ CODE - 1

Relevé Tape Report 74 Detail records incorrect or unsorted.

PRR474 ERROR EOJ CODE - *

Relevé Tape Report 74 record type incorrect.

PRR474 ERROR EOJ CODE - A

Relevé Tape Report 74 second header record is incorrect or end-of-file encountered after first header record.

PRR474 ERROR EOJ CODE - H

Relevé Tape Report 74 Detail records incorrect or end-of-file encountered before the Report 74 trailer record.

Program Messages - Check Writer (PLR500)

PDR510-01 REJECTED - INVALID TRANSACTION

Abort. Occurs in section STORE-CONTROL-TRANS-PDR510 when a control transaction encountered is not a CW1 or CW2 transaction.

PDR510-02 INVALID TXN WITHIN CNTL SET

Abort. Occurs in section EDIT-CONTROL-DATA-PDR510 when at least one CW1 or CW2 transaction was rejected.

PDR510-03 MAXIMUM NUM CW2 TRANS EXCEEDED

Abort. Occurs in section STORE-CONTROL-TRANS-PDR510 when more than 100 CW2 transactions were entered.

PDR520-01 INVALID RECORD TYPE

Abort. Occurs in section READ-BUILD-RECORD-SETS-PDR520 when record type in PWR070 (Check Writer File) is not **1**, **2**, **9**, or higher values.

PDR520-02 CHECK DATA REC NOT GENERATED

Abort. Occurs in section READ-BUILD-RECORD SETS-PDR520. PWR070 (Check Writer file) out of Payroll Report generate did not include a payroll check data record. Verify the file is correct, and checks/deposit advices are requested on the AD transaction.

PDR520-03 FILE TRAILER RECORD MISSING

Abort. Occurs in section READ-BUILD-RECORD-SETS-PDR520 when the PWR070 (Check Writer File) out of Payroll Report generate DOEs not have a file trailer. Review previous job or job step for successful completion. *This may occur if you did not generate checks (AD) and attempted to run Check Writer.

PDR523-01 INVALID COMPANY MULT REC SEQ

Abort. Occurs in section PROCESS-ORGANIZATION-PDR523 if record sequence number in PWR070 (Check Writer File) is not 01 - 08 or 10 - 18.

PDR524-01 RATE RECORDS PROCESSED PPR550

Abort. Occurs in section PROCESS-EMPLOYEE-PDR524. Rate records should not be processed in this logic area.

PDR524-02 INVALID EMP MULT RECORD CODE

Abort. Occurs in section PROCESS-EMPLOYEE-PDR524. Multiple record code is not one of the values specified in record description documentation.

PDR524-03 ABORT - DOE yy NOT FOUND IN ORG DOE TBL FOR xxxx EMP zzzzzzzzzz

DOE yy is not found in the organization DOE table built from the HRMS Tables File for the level 1 - level 2 (xxxx) specified. DOE information in the HRMS Tables File has been changed. This data was validated and run through Compute. Either this DOE has been deleted or other DOEs have been inserted and the number of DOEs in the HRMS Tables File now exceeds the maximum specified for your system. Information in the HRMS Tables File should not be changed during a processing cycle.

PDR535-01 RESTART FILE SEQUENCE ERROR
CHECK WRITER FILE KEY = L1 L2 EMP NO
RESTART REFERENCE FILE KEY = L1 L2 EMP NO

Abort. Occurs in section PROCESS-RESTART-PDR535 when current employee key from the Check Writer File is compared to the employee key of the current restart reference file record and no match is found. Verify the restart file is the most current generation.

PDR535-02 INVALID RESTART REFERENCE REC

Abort. Occurs in section PROCESS-RESTART-PDR535 when PAR535-VOID-INDICATOR is not *I, A, V,* or blank.

PDR540-01 INVALID BANK SERVICE TYPE

Abort. Occurs in section COMPUTE-CHECK-AMOUNT-PDR540 when bank service type code is not 1 - 5.

PDR550-01 INVALID CHECK FORMAT CODE

Abort. Occurs in section FORMAT-CHECK-DEPOSIT-PDR550 when the check format code is not 1C, 2C, 3C, 4C, 5C or 6C.

PDR550-02 INVALID DEPOSIT FORMAT

Abort. Occurs in section FORMAT-CHECK-DEPOSIT-PDR550 when the deposit advice format code is not 1D, 2D, 3D, 4D, 5D or 6D.

PDR550-03 INVALID FORM QUEUE CODE

Abort. Occurs in section PRINT-CHECK-DEPOSIT-PDR550 when code is not blank or 01 - 10.

PDR550-04 INVALID RATE RECORD TYPE

Abort. Occurs in section PROCESS-EARNING-RECORDS-PDR550 when rate record type is not 6, 7, 8, or 9.

PDR550-05 INVALID LINE DESCRIPTION TYPE

Abort. Occurs in section FIND-DESCRIPTION-PDR550 and STUB-LINE-SUMMARY-PDR550 when line description type is not B, C, D, E, F, G, I, S, U, V, X, Y, Z, 1, 2, 3, 6, 7, 8, or 9.

PDR550-06 INVALID DESCRIPTION LINE TYPE = x

Abort. Occurs in section STUB-LINE-SUMMARY-PDR550 when the description line type is not B, C, D, G, I, M, T, U, X, Y, Z, 1, 2, 3, 6, 7, 8, or 9.

PDR550-07 FILE TRAILER RECORD MISSING

Abort. Occurs in section PER-READ-NEXT-RATE-PDR550 when end of file is encountered and no organization or file trailer records have been processed for the last organization.

PDR570-01 INVALID RESTART POINT FOR FORM - xxxx

Abort. Occurs in section CONTROL-REPORT-PDR570. Verify that restart point from CW1 transaction actually exists in the restart reference file being read in. Form number is displayed at xxxx.

PDR570-02 NO MATCH FOUND FOR RESTART KEY - LEVEL 1, LEVEL 2, EMP NO, CHECK/DEPOSIT NO

Follows message PDR570-01. Displays of restart reference file follows this message.

PDR580-01 INVALID RECON RECORD REQUEST
VOIDED BY PRINTER MALFUNCTION
VOIDED BY PRINTER ALIGNMENT

Abort. Occurs in section CHECK-RECON-FILE-PDR580 when PCR580-GEN-CHECK-RECON indicator is not 2 or 9.

PDR590-01 SEE EXCEPTION REPORT AND RERUN

Abort. Occurs during Check Writer processing when:

- No form assignment could be found for an employee, or
- Insufficient line number ranges available for Check/Deposit assignment.

Check the exception report for employees with these conditions, correct, and rerun.

PDR595-01 INVALID FORM QUEUE INDICATOR

Abort. Occurs in section PRINT-SPOOL-FILE-PDR595 when the form queue indicator is not 1 through 10.

PDR595-02 CORRECT ERROR TRANS AND RERUN

Abort. Occurs in section SPOOL-FILE-UTILITY-PDR595 when at least one SP transaction was rejected.

PDR595-03 TRANSACTION ACCEPTED

Information. Transaction did not have any errors.

PDR595-04 NO RECORDS FOUND FOR FORM NUMBER = xxxx

There were no spooled check records for a form number on the SP transaction.

PDR5DT-01 ABORT - HRMS TABLES FILE DOEs FOR xxxx EXCEED MAX DOEs SPECIFIED

Abort. The number of DOEs in the HRMS Tables File for the level 1 - level 2 indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE.)

PCR570-01 INVALID RESTART POINT FOR FORM - xxxx

Abort. Occurs in section CONTROL-REPORT-PDR570. Verify that restart point from CW1 transaction actually exists on restart reference file being read in. Form number is displayed.

PDR570-02 NO MATCH FOUND FOR RESTART KEY - L1, L2, EMP NO, CHECK/DEPOSIT NO

Follows message PDR570-02. Display of restart reference file follows this message.

FORM NUMBER ASSIGN NOT ON HRMS TAB FILE

Check/Deposit advice not printed. The form number has not been established in the HRMS Tables File.

OUTSIDE CHECK/DEPOSIT NUMBER RANGE

Check/Deposit advice not printed. The last check number used is equal to or greater than the check number ending range.

PAID THRU BANK CODE NOT ON HRMS TBL FILE

Check is printed. The paid through bank code has not been established in the HRMS Tables File.

BANK BRANCH CODE NOT ON HRMS TABLES FILE

Check/Deposit advice is printed. The bank branch code has not been established in the HRMS Tables File.

INVALID CHECK/DEPOSIT FORM # DEFINITION

Check/Deposit advice not printed. The TH1 transaction form number is not consistent with the TH2 format code C (check) or D (deposit).

CW1 - RUN CONTROL TRANSACTION NOT ENTERED

Check/Deposit advice not printed. A CW1 transaction was not entered for a form number definition requested by an employee.

NO DOES ESTABLISHED ON TBL FILE FOR xxxx

Check/Deposit advices printed. There are no DOEs defined in the HRMS Tables File for level 1 - level 2 specified.

NO EXCEPTION GENERATED THIS RUN

Check/Deposit advices were printed. There were no exceptions encountered while generating checks and deposit advices.

Personnel Report Print (PLR700)

****PPR701****
****INVALID RECORD TYPE ON REPORT FILE****
****THIS IS A SOFTWARE ERROR - NOTIFY**
SYSTEM & PROGRAMMING FOR HRE SUPPORT OFFICE
****OPERATOR, EOB TO RETURN TO SYSTEM CONTROL**
****JOB WILL TERMINATE****

Record type is not 01 through 12. Verify input file or go back to Personnel Report generate and rerun.

Abort Messages - Personnel Report Generate (PLR700)

PPR70032 ERROR CODE B-PRINT ARRAY EXCEEDED

The number of Level 1s and Level 2s being accessed for PMRS Reporting is greater than 50.

Program Messages - HRMS Tables File

PCVRLB-01 - REQUEST FOR MBC NOT ON FILE

Warning. There are no records for application MBC on the HRMS Tables File. The application was requested.

PCVRLB-02 - INVALID PRINT TRANS TYPE

Warning. An invalid transaction separator has been entered for the T69 transaction in paragraph PMR-MBC-MOVE-DATA-PDVRLB. Program error. Transaction not processed.

REQUEST FOR xxx APPL NOT ON TABLES FILE

Warning. There are no records for application xxx on HRMS Tables File. The application was requested.

PCVRLC-08 - UNKOWN TXN *PROGRAM ERROR

Warning. An incorrect transaction type has been passed to paragraph FCR-TXN-ERROR-PDV5FC; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCVRLE-01 - REQUEST FOR ME1 NOT ON FILE

Warning. There are no records for application ME1 on HRMS Tables File. The application was requested.

PCVRLE-02 - REQUEST FOR MCT NOT ON FILE

Warning. There are no records for application MCT on HRMS Tables File. The application was requested.

PCVRLE-03 - INVALID APPLICATION CODE

Warning. An incorrect application code has been passed to paragraph FPP-ENTER-PDV5FM; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCVRLE-04 - INVALID TRANS TYPE

Warning. An incorrect transaction type has been passed to paragraph OFR-EEI-MOVE-DATA-PDVRLE; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCVRLJ-01 - UNKNOWN TXN -PRT LINE *PROGRAM ERROR

Warning. An incorrect transaction type has been passed to paragraph PFM-SETUP-PRINT-LINE-PDVRLJ; or the paragraph was incorrectly changed. Program error. No report line was produced.

PCVRLP-08 - UNKNOWN TXN -HDG LINE *PROGRAM ERROR

Warning. An incorrect transaction type has been passed to paragraph FMR-SETUP-RPT-HDGS-PDVRLP; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCVRLP-09 - INVALID TRAN CODE *PROGRAM ERROR

Warning. An incorrect transaction type has been passed to section FORMAT-PAYROLL-PDV5FP; or the section was incorrectly changed. Program error. Transaction not processed.

PCVRLT-01 - PROGRAM ERROR

Warning. An incorrect transaction type has been passed to section PRINT-ACTIVITY-PDVRLT, or the section was incorrectly changed. Program error. No report line was produced.

PCVRLU-01 - PROGRAM ERROR

Warning. An incorrect transaction type has been passed to section PRINT-ACTIVITY-PDVRLU, or the section was incorrectly changed. Program error. No transaction was processed.

PCVRLW-01 - REQUEST FOR WU1 NOT ON FILE

Warning. There are no records for application WU1 on HRMS Tables File. The application was requested.

PCVRLW-02 - REQUEST FOR WU3 NOT ON FILE

Warning. There are no records for application WU3 on HRMS Tables File. The application was requested.

PCVRLW-04 - INVALID PRINT TRANS TYPE

Warning. An incorrect transaction type has been passed to paragraph PFR-WFU-MOVE-DATA-PDVRLW; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCVSKT-01 - INVALID SKILLS FIELD NUMBER

Abort. A field number passed to program PPVSKT or PPV4SK is not a valid skills field number; or, if it is a new field number, the number has not been added to the list of field numbers translated in PDVSKT. To correct, look at the program calling the aborting program and ensure that the field number is valid. If the field number is valid, check PDVSKT and ensure that it has been added to the list of fields translated.

PCVTRN-01 - INVALID FIELD NUMBER

Abort. A field number passed to program PPVTRN or PPV4TR is not a valid field number; or, if it is a new field number, the number has not been added to the list of field numbers translated in PDVTRN. To correct, look at program calling the aborting program and ensure that the field number is valid. If the field number is valid, check PDVTRN and ensure that it has been added to the list of fields translated.

PCV100-01 - PPV100 ENDED

PPV100 HRMS Tables File Create Key program has completed execution.

PCV100-02 - AT END OF ACCUM TABLE

Abort. The table of transaction processed should always have 1 more occurrence than the total number of possible transactions (plus 'unknown').

PCV100-03 - LOAD ACCUM IS FULL

Abort. The table of transactions processed is not 1 occurrence greater than the total number of transactions possible (plus 'unknown'). This is a program error. Probable correction: increase table size.

PCV3MA-ERR-02 - UNKNOWN TRANS *PROGRAM ERROR*

Warning. An incorrect transaction type has been passed to paragraph
MAF-APPFLOW-MAINT-T51-PDV3MA,
MAF-APPFLOW-MAINT-T56-PDV3MA,
MAF-APPLFOW-ENTER-PDV3MA,
FPF-FORMAT-PR-FLDS-APPFLOW-PDV3MA, or
FVT-APPFLOW-ENTER-PDV3MA; or the paragraph was incorrectly changed.
Program error. Transaction not processed.

PCV3MC-01 - TRANSACTION TYPE IS INVALID

Warning. An invalid application code or record type was passed to program PPV3MC, or the program was not correctly updated for a new or changed code or type. Program error. Transaction not processed.

PCV3ME-01 - UNKNOWN APPL *PROGRAM ERROR*

Warning. An incorrect application code has been passed to paragraph MET-EEO-ENTER-PDV3ME; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCV3ME-02 - UNKNOWN TRANS *PROGRAM ERROR*

Warning. An incorrect transaction code has been passed to paragraph
MET-EEO-MAINT-T64-TXN-PDV3ME,
MET-EEO-MAINT-T65-TXN-PDV3ME, or
MET-EEO-ENTER-PDV3ME; or the paragraph was incorrectly changed. Program error transaction not processed.

PCV3MJ-01 - T10 UNKN SW *PROGRAM ERROR*

Warning. None of the T10 type transaction was processed in paragraph MPO-CONTINUE-VALD-T10-PDV3MJ. There is a coding error in that paragraph.

PCV3MW-02 - UNKNOWN TRANS *PROGRAM ERROR*

Warning. An incorrect transaction type has been passed to paragraph MWT-WFU-ENTER-PDV3MW or MWT-WFU-MAINT-T61-TXN-PDV3MW; or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCV3ST-01 - UNKNOWN APPL *PROGRAM ERROR*

Warning. An incorrect application code has been passed to paragraph MHS-ENTER-PDV3MH, or the paragraph was incorrectly changed. Program error. Transaction not processed.

PCV3ST-02 - UNKNOWN TRANS *PROGRAM ERROR*

Warning. An incorrect transaction type has been passed to paragraph
PML-MAINT-PAD-TXN-PDV3MP,
PML-MAINT-PGD-TXN-PDV3MP,
PML-MAINT-PRT-TXN-PDV3MP,
PML-MAINT-PCR-TXN-PDV3MP,
PML-MAINT-PLD-TXN-PDV3MP, or
PML-MAINT-PWZ-TXN-PDV3MP; or the paragraph was incorrectly changed.
Program error. Transaction not processed.

PCV300-01 - APPLICATION CODE INVALID

Warning. Occurs in DISTRIBUTE-BY-APPL-PDV300 section, when the application code is not valid. An improper application code was built in PLV100. This may be due to PLV100 and PLV300 not compiled current through the same update bulletin release number. Verify transaction is valid according to documentation, then verify you are executing the correct versions of PLV100 and PLV300. You may want to compile the programs contained in your linkset, link and rerun HRMS Tables File Load/Edit/Update job.

PCV300-02 - CONTROL ID CODE INVALID

Abort. Occurs in MAIN-LOGIC section, TPS-CONTROL-RECORD-PDV300 paragraph, when a CTL transaction is not the first transaction on the PWV17S (SYS012) input file. Enter a CTL transaction along with your other HRMS Tables File input into PLV100 on PWV15V (SYS005) and rerun the job.

Regulatory Report Generator (PL2000)

PD2000-02 NORMAL INPUT FILES REC NOT FOUND ON HRMS TABLES FILE

No T00-001 transaction found on the HRMS Tables File.

PC20ER-01 * WA ERUNMPWGBS NOT ON HRMS TBL FILE FOR DATE: yyyymmdd

No ERUNMPWGBS constants for Washington found on HRMS Tables File for date yyyymmdd.

Program Messages - Regulatory Reporting (PP3000)

PW20RF KEY IS: xxxxxxxxxxxx
PP3000-001 DETAIL RECORD ENCOUNTERED WITH NO COMPANY HEADER

Check the sequence of the sorted Generated Reports File.

PW20RF KEY IS: xxxxxxxxxxxx
PP3000-002 RECORDS OUT OF SEQUENCE

Check the sequence of the sorted Generated Reports File.

Program Messages - Regulatory Reporting (PP40LE/PP40PS/PP4000/PP5000)

PP4000-001 NO FRM001 RECORD FOUND ON TABLES FILE: xxxx

A PRT001 was entered with a form code that did not exist in the HRMS Tables File. Correct the form code and rerun.

PP4000-002 NO SRM001 INFORMATION ON TABLES FILE: xxxaallllrrrryyyy

Abort. There was not SRM001 information found on the HRMS Tables File for:

- Report ID: xxx
- Authority: aa
- Locality: llll
- Record ID: rrrr
- Version Year: yyyy

Correct and rerun.

PP4000-003 ITEM ON SRM001 NOT FOUND ON RECORD: xxxxxxxxxxxxxxx

Abort. The displayed item (PC4000-ABORT-FIELD-NAME) was entered in an SRM001 record and is not valid for the report. Correct the SRM001 record and rerun.

PP4000-004 NO SRO001 INFORMATION ON TABLES FILE: xxxaallllrrrryyyy

Abort. There was no SRO001 information found on the HRMS Tables File for:

- Report ID: xxx
- Authority: aa
- Locality: llll
- Record ID: rrrr
- Version Year: yyyy

Correct and rerun.

PP4000-005 RE-SORT FIELD NOT FOUND ON RECORD: xxxxxxxxxxxxxxx

Abort. The resort field 'PC4000-SORT-ABORT-FIELD-NAME' was not found on the record. You are attempting to resort your selected regulatory records on a field that does not exist on these records. Correct and rerun.

PP40LE-001 NO PRT001 OR PRT002 INFORMATION ON TABLES FILE OR INSTREAM

Abort. No PRT001 or PRT002 records were found on the HRMS Tables File or instream. Add these transactions to your HRMS Tables File or place them instream in PL40LE on DD/DLBL 'PW40IS' and rerun.

AUTH GROUP NOT FOUND ON TF

Warning. The group ID on the GRP001 record was not found on the HRMS Tables File.

PRT002 NOT VALID W/O PRT001

Warning. A PRT002 record was found with no PRT001 record.

FORM CODE REQUIRED FOR REPORT

Warning. No FRM001 record found for selected report. A Form code is required for the following form codes:

001, 101, 104, 003, 005, 007, 200, 300, 202, 301

FRM001 NOT FOUND ON TBLS FILE

Warning. No FRM001 record found on HRMS Tables File for form code 'PCVRPP-PRT001-FORM-CD'

FRM CD IGNORED FOR TAPE RPT ID

Warning. The form code was entered for a tape report ID.

PRINT SEQ ID NOT ON TBLS FILE. REJECTED

Warning. The print sequence ID specified on the PRT001 transaction was not defined on the SRT001.

PRINT SEQ ID IGNORED FOR THIS REPORT ID

Warning. A print sequence ID on the PRT001 is not valid for the specified report ID.

PW30RE FILE ERROR: FIRST RECORD IS NOT A HEADER

Abort. An error occurred reading the PW30RE records file. The records are not sorted correctly.

NO SRT00x TRANSACTION FOR SEQ ID xxxxxx FOUND ON THE HRMS TABLES FILE

Abort. The SRT00x transaction with the sequence specified on the PRT001 transaction was not defined on the HRMS Tables File.

Abort Messages - Check Reversal (P1P43MP)

SORT OF CHECK/DEPOSIT NO FILE HAS FAILED

Abort. The return code for sort of the check/deposit number file (P1WW34M4) is 16. This message is followed by CONDITION SHOULD NOT OCCUR - NO RECOVERY IS POSSIBLE. Message severity level is 16.

SORT OF CHECK REVERSAL DETAIL FILE HAS FAILED

Abort. The return code for sort of the check/deposit number file (P1WW34M4) is 16. This message is followed by CONDITION SHOULD NOT OCCUR - NO RECOVERY IS POSSIBLE. Message severity level is 16.

INVALID ERROR MESSAGE NO

Abort. The error message number received by the report print section was not 1 - 12, 90 or 99. This message is followed by CONDITION SHOULD NOT OCCUR - NO RECOVERY IS POSSIBLE. Message severity level is 16.

FILE SEQUENCE ERROR - CURR KEY LESS THAN PREV-KEY

Abort. The key for the current record in the Check Reversal Detail File is less than the key of the record just processed. Message severity level is 16.

INVALID CHECK REVERSAL DETAIL FILE RECORD TYPE

Abort. The trailer record does not contain high values as the record sequence type code. Message severity level is 16.

INVALID RECORD TYPE SEQUENCE - CURR TO PREV-REC TYPE

Abort. The Check Reversal Detail file contains an invalid record type or one in the wrong sequence. Message severity level is 16.

FILE SEQUENCE ERROR - CURR KEY LESS THAN PREV KEY

Abort. The key of the current record in the Check/Deposit Number file is less than the key of the previous record processed. Message severity level is 16.

CHK-REV-DET RECORD HAS NO MATCHING CHK-DEP-NO RECORD

Abort. The Check Reversal Detail Record from the Payroll Report Generator to add a check to the Check Reversal Master File does not have a matching record in the Check/Deposit Number File coming out of the Check Writer Subsystem. Message severity level is 16.

CHK-DEP-DET RECORD HAS NO MATCHING CHK-REV-NO RECORD

Abort. The Check/Deposit Number Record from the Check Writer does not have a matching record in the Check Reversal Detail File out of Payroll Report Generator to add that check to the Check Reversal Master File. Message severity level is 16.

ABNORMAL TERMINATION DUE TO ERROR

Abort. Job went to normal end of job, but did not complete its function. Message severity level is 16.

NORMAL TERMINATION

Job went to normal end of job and completed its function.

******* P1P43M END-OF-JOB *******

All report detail and messages have been printed or displayed and the program has completed execution.

HIGHEST ERROR MESSAGE SEVERITY LEVEL @

Job went to normal end of job and completed its function. The highest message severity level is displayed.

NULL FILE - FILE TRLR ONLY REC ON SORTED-CHK-REV-DET

Warning. The Check Reversal Detail file contains only a trailer record. No data or transactions were entered. Message severity level is 4.

NULL FILE - NO SORT, EOF DUMMIED ON SRTD-CHK-DEP-NO

Warning. The Check/Deposit Number File contained no records. File not used in the second sort. Message severity level is 4.

@ TRAILER = @ COUNT = @ - TRAILER CORRECTED

Warning. The number of records read (count=) did not agree with the number of record in the file trailer record (trailer=). The Check Reversal Detail File trailer counts have been updated. Message severity level is 12.

FILE TRAILER DOES NOT PRECEDE EOF - TRLR CONSTRUCTED

Warning. A Check Reversal Detail file was read that had no activity and had not been correctly updated with a trailer record prior to executing the sort/merge of the Check Reversal Detail file and the Check/Deposit Number file. Message severity level is 12.

WARNING - DUPLICATE CHECK SORTED TO OUTPUT FOR UPDTE

Warning. The employee basic record (0) 30-character key for the current record is equal to the 30-character key for the previous employee basic record processed. The duplicate basic record and all associated detail records (type 1 - 9) are written to the output file without further processing until the keys are not the same. At that point, normal processing resumes. Message severity level is 8.

(ADD 1 TO FILE TRAILER TO OBTAIN EXACT FILE CNT)

Information. The file trailer totals displayed do not include the file trailer itself. If you want to know exactly how many records are in the file, you must add one to the count shown.

Abort Messages - Check Reversal (P1P45MP)

RECORD COUNTS ON DETAIL DO NOT MATCH
RECORD COUNT @ DETAIL COMPANY TRAILER RECORD COUNT COMPANY TRAILER COUNT = @

Abort. The records counted by the program do not match the record count stored in the Check Reversal Detail file for that level 1 - level 2. Record Count, Detail Company Trailer Record Count and Company Trailer Count are literals that precede the displays of the actual counts.

DETAIL CURRENT KEY NOT GREATER THAN PREVIOUS KEY DETAIL FILE NOT IN SEQUENCE
CURRENT KEY = @
PREVIOUS KEY = @

Abort. The key of the Current Check Reversal Detail record is not greater than the key of the record just processed. Detail File not in Sequence, Current Key and Previous Key display information on incorrect keys.

INVALID RECORD ON DETAIL KEY = @

The Check Reversal Detail File has a record type that is not a, **0 - 9**, or high values.

RECORD COUNTS ON MASTER DO NOT MATCH RECORD COUNT @ RECORD COUNT MASTER CO TRAILER = @

Abort. The records counted by the program do not match the record count stored in the Check Reversal Master file for that level 1 - level 2. Record Count and Record Count Master Company Trailer are literals that precede the displays of the actual counts.

FILE COUNTS ON MASTER DO NOT MATCH FILE COUNT MASTER @ FILE COUNT MASTER FILE TRAILER @

Abort. The records counted by the program do not match the record count stored in the Check Reversal Master File Trailer. File Count Master and File Count Master File Trailer are literals that precede the displays of the actual counts.

MASTER FILE CURRENT KEY NOT GREATER THAN PREVIOUS KEY MASTER FILE NOT IN SEQUENCE
CURRENT KEY = @
PREVIOUS KEY = @

Abort. The key of the Current Check Reversal Master Record is not greater than the key of the record just processed. Current key and Previous Key are literals that precede the displays of the actual counts.

INVALID RECORD ON MASTER KEY = @

Abort. The Check Reversal Detail File has a record type that is not A, 0 - 9, or high values. Key is the literal that precedes the display of the actual key.

SPECIAL HOURS TABLE SUB GREATER THAN 25 SUB = @

Abort. The Check being reversed contains more than 25 special hours. Sub is the literal that precedes the value of the subscript.

DOE TABLE SB GREATER THAN 90 SUB = @

Abort. The Check being reversed contains more than 90 DOEs. Sub is the literal that precedes the value of the subscript.

SALTA TABLE SB GREATER THAN 18 SUB = @

Abort. The check being reversed contains more than 18 SALTAs. Sub is the literal that precedes the value of the subscript.

Abort Messages - Transfer (P1P99M)

ABORT CAUSED BY INVALID RUN DATE FROM PROGRAM P1P99M

Abort. An invalid run date was entered on the TD transaction input into P1P99M.

Error Messages - Online/Realtime - Numbered Program

Messages for Screen Generator (PPO600) can be found in this guide in the chapter Online and Realtime Operations - Generator Program Messages.

PDQ100-01 ENDED

Program PPQ100 has successfully completed.

PDQ100-02 SCREEN XXX NOT IN AUDIT TRAIL PROGRAM

A record exists on the Audit Database for a screen that doesn't exist in the Audit Trail program. Change the Audit Trail program to include the screen.

PCT920-02 TABLES FILE RECORD CODE INVALID

The record code on the Tables File Audit Record is invalid.

PDTPAY-01 - TRANSACTION NOT IN PAY - G.E.R. PROGRAM

Program process error. The Tables File Payroll General Edit Routine setup program doesn't contain the transaction type passed from the realtime program.

PDTCAN-01 - TRANSACTION NOT IN CAN-G.E.R. PROGRAM

Program process error. The Tables File Canadian General Edit Routine setup program doesn't contain the transaction type passed from the realtime program.

PDTRUN-01 - TRANSACTION NOT IN RUN-G.E.R. PROGRAM

Program process error. The Tables File Run Control General Edit Routine setup program doesn't contain the transaction type passed from the realtime program.

PDT###-01 - INVALID SUBSCRIPT NUMBER FOR ERROR MSG

Program process error. Verify the error indicator subscripts set in the General Edit Routine. Match the error subscript numbers used in the COBOL CASE of the copybook stated in this message.

PDT201-01 - INVALID TRANSACTION CODE IN COBOL CASE

Program process error. Verify the error transaction codes in the COBOL CASE of the copybook stated in this message.

OHIO SDIT DOE XX NON-NUMERIC SORT CODE XXXXX L1 XX L2 XX EE XXXXXXXXXX

Abort. Sort Code field may not contain spaces or non-numeric values.

Position Control Master File Print (PLJ950)

PDJ950-01 NO PRINT REQUEST TRANSACTIONS ENTERED

Warning. No print request transaction found, end of file encountered.

PDJ950-02 ORG NOT FOUND ON MST

Warning. Requested organization not found on master file.

PDJ950-03 ORG TRAILER MISSING FOR L1xx L2xx

Abort. Organization trailer record missing for listed Level 1-Level 2. This can occur when the last program which updated the Position Control Master File did not run to successful completion. To correct, restore the Position Control Master File prior to the previous update run and re-execute the run.

PDJ950-04 - HDR NOT FOUND ON MST

Warning. Header record not found on master file.

PDJ950-05 - DTL NOT FOUND ON MST

Warning. Detail record not found on master file.

ERROR CONVERTING PR1 DATE

Abort. This section 'CONVERT-PR1-RPT-DATE' uses PDDATE to convert report date from the PR1 transaction from yymmdd to yyyymmdd.

Program Messages - Canadian Audit (PLR900)

PDR900-03 NO CONTROL TRANSACTIONS ENTERED - PROCESSING HALTED

Abort. No control transactions were entered.

PDR900-04 ORG TRAILER MISSING FOR xxxx

Abort. The organization trailer record is missing. To correct, restore the Employee Master File prior to the last update run and re-execute the updates run.

PDR900-01 ORG NOT FOUND ON MST

Warning. The level 1 - level 2 selected for audit processing does not exist on the Employee Master File.

PDR900-02 CONSTANT MAX EI WAGE NOT FOUND ON HRMS TABLES FILE FOR xxxx

Warning. The balance year entered on the AU transaction could not be found on the HRMS Table File, TM-UW transaction. 52 weeks were assumed as the maximum number of EI weeks in the year.

PDR900-05 ALL EMPLOYEE RECORDS IN BALANCE FOR xxxx

Warning. No errors were encountered in any of the employee records for the L1/ L2 specified. No action required.

L1 xx L2 xx NOT CANADIAN ORG

Warning. The organization selected for audit processing is not a Canadian organization. Correct the L1-L2 entry and resubmit the AU transaction.

PDR900-08 NO DOES ESTABLISHED ON HRMS TABLES FILE FOR xxxx NO DOE INFORMATION PRINTED

Warning. No DOE information was established for level 1-level 2 xxxx, therefore no DOE information will be printed.

PDR900-09 NO MATCHING ORG DOE FOUND ON HRMS TBLS FILE

Warning. No matching DOE was found on the HRMS Tables File.

PDR900-10 CAUTION: HRMS TABLES FILE DOES FOR xxxx EXCEED MAX DOES SPECIFIED

Caution. The number of DOEs in the HRMS Tables File for L1- L2 indicated is greater than the maximum DOEs specified for your system. All DOEs beyond the maximum specified will be ignored. (To find out the maximum number of DOEs, see program PPPDOE).

L1 xx L2 xx NOT CANADIAN ORG

Warning. The organization selected for audit processing is not a Canadian organization. Correct the L1/ L2 entry and re-submit the AU transaction.

Employee Master File Print (PLR950)

PDR950-01 - ORG TRAILER MISSING FOR LEVEL 1 - LEVEL 2

Abort. The organization trailer record is missing for organization xxxx. This can occur when the last program which updated the Employee Master File did not run to successful completion. To correct, reset the Employee Master File prior to the previous update run and re-execute the run.

PDR952-01 - NO CONTROL TRANSACTIONS - RUN ABORTED

Abort. No C1 control transactions specifying data to be printed were entered. Enter control transactions and re-execute the program.

PDR952-02 - NORMAL INPUT FILE NOT FOUND ON TABLES FILE

Abort. The T00 - 001 Program Normal Output File record was not found on the HRMS Tables File. To correct, add the record to the HRMS Tables File.

PDR952-03 - A* TRAN IN ERROR-CORRECT AND RERUN

Abort. An invalid ‘A*’ override transaction was entered, correct and rerun the Employee Master File print job.

Program Message - PPPASM

PPPASM - NO MAIN COBOL APPLICATION PGM ADDRESS RESOLVED IN ADDRESS TABLE

The program was unable to resolve the address for COBOL main program in ADRTAB, the Address Table. Caused by either improper linking, or main program is not listed in WXTRN Table or ADRTAB.

PPPASM - SIZTAB ENTRIES EXCEEDED - EXPAND NUMBER OF ENTRIES

The number of 01 levels in the linkage section exceeds number of entries in SIZTAB. Add more address constants to SIZTAB, the Size Table, and to GIMTAB, the Got Main Storage Table, in PPPASM.

PPPASM - UNABLE TO FIN CALCULATION ID IN DOE TABLE PROGRAM

The program was unable to find at least one CALCMAC macro in PPPDOE for the Program ID specified in ADRTAB. Check the program ID in ADRTAB to make sure it is correct or add a CALCMAC macro in PPPDOE.

PPPASM - GETMAIN REQUEST WAS UNSUCCESSFUL - RETURN CODE WAS 'xxxx'

The program was unable to get the amount of storage requested in GETMAIN (OS) or GETIS (DOS) attempt. Not enough storage was available for the GETMAIN (OS) or GETVIS (DOS), where 'xxxx' is the return code associated with the GETMAIN (OS) or GETVIS (DOS) request.

PPPASM - MANTAB ENTRIES EXCEEDED - EXPAND NUMBER OF ENTRIES

More GETMAIN (OS) or GETIVS (DOS) requests were issued than could be recorded in MANTAB, the Main Storage Table in PPPASM. Increase either the number of entries in MANTAB in PPPASM or increase size of MAXGET, the maximum desirable GETMAIN (OS) or GETVIS (DOS) for client in PPPDOE.

Program Messages - PPPAS1

PPPAS1 - NO MAIN COBOL APPLICATION PGM ADDRESS RESOLVED IN ADDRESS TABLE

The program was unable to resolve the address for COBOL main program in ADRTAB, the Address Table. Caused by either improper linking, or main program is not listed in WXTRN Table or ADRTAB.

PPPAS1 - SIZTAB ENTRIES EXCEEDED - EXPAND NUMBER OF ENTRIES

The number of 01 levels in the linkage section exceeds the number of entries in SIZTAB. Add more address constants to SIZTAB, the Size Table, and to GIMTAB, the Got Main Storage Table, in PPPASM.

PPPAS1 - UNABLE TO FIND CALCULATION ID IN DOE TABLE PROGRAM

The program was unable to find at least one CALCMAC macro in PPPDOE for the Program ID specified in ADRTAB. Check the program ID in ADRTAB to make sure it is correct or add a CALCMAC macro in PPPDOE.

PPPAS1 - GETMAIN REQUEST WAS UNSUCCESSFUL - RETURN CODE WAS 'xxxx'

The program was unable to get the amount of storage requested in GETMAIN (OS) or GETVIS (DOS) attempt. Not enough storage was available for the GETMAIN (OS) or GETVIS (DOS), where 'xxxx' is the return code associated with the GETMAIN (OS) or GETVIS (DOS) request.

PPPAS1 - MANTAB ENTRIES EXCEEDED - EXPAND NUMBER OF ENTRIES

More GETMAIN (OS) or GETVIS (DOS) requests were issued than could be recorded in MANTAB, the Main Storage Table in PPPASM. Increase either the number of entries in MANTAB or increase size of MAXGET, the maximum desirable GETMAIN (OS) or GETIVS (DOS) for client in PPPDOE.

PPPAS1 - PMLIST ENTRIES EXCEEDED - EXPAND NUMBER OF ENTRIES

Appendix E Item to Logical Record Cross-Reference

Appendix Contents

E-1 Introduction
E-2 Employee Payroll and Personnel Records
E-44 Organization Records
E-46 Position Control Records

Introduction

This appendix contains the item to logical records cross-reference.

Employee Payroll and Personnel Records

Item	Logical Record	Record ID	Position Indicator
EMP-1099-MISCELLANEOUS-IND	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	08
EMP-1099-R-IND	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	09
EMP-1ST-CERTIFICATION-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	26
EMP-1ST-CERTIFIED-STUDY-FLD	EMP-EDUCATION-INFO-RECORD	M6B20A	27
EMP-1ST-DEGREE-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	05
EMP-1ST-EDUC-DEGREE-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	06
EMP-1ST-LIFE-INS-PLAN-IND	EMP-INSURANCE-INFO-RECORD	M6C10A	01
EMP-1ST-LIFE-INS-PLAN-TYPE	EMP-INSURANCE-INFO-RECORD	M6C10A	02
EMP-1ST-LIFE-INSURANCE-AMT	EMP-INSURANCE-INFO-RECORD	M6C10A	03
EMP-1ST-MAJOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	07
EMP-1ST-MINOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	08
EMP-1ST-ORG-PROPERTY-ID	EMP-PROPERTY-INFO-RECORD	M6C30A	02
EMP-1ST-ORG-PROPERTY-TYPE	EMP-PROPERTY-INFO-RECORD	M6C30A	01
EMP-1ST-PROFESSIONAL-LICENSE	EMP-EDUCATION-INFO-RECORD	M6B20A	36
EMP-1ST-SCHOOL-ATTENDED	EMP-EDUCATION-INFO-RECORD	M6B20A	04
EMP-1ST-TRAINING-CERT-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	25
EMP-1ST-TRAINING-SCHOOL	EMP-EDUCATION-INFO-RECORD	M6B20A	24
EMP-2ND-CERTIFICATION-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	30
EMP-2ND-CERTIFIED-STUDY-FLD	EMP-EDUCATION-INFO-RECORD	M6B20A	31
EMP-2ND-DEGREE-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	10
EMP-2ND-EDUC-DEGREE-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	11
EMP-2ND-LIFE-INS-PLAN-IND	EMP-INSURANCE-INFO-RECORD	M6C10A	04
EMP-2ND-LIFE-INS-PLAN-TYPE	EMP-INSURANCE-INFO-RECORD	M6C10A	05
EMP-2ND-LIFE-INSURANCE-AMT	EMP-INSURANCE-INFO-RECORD	M6C10A	06
EMP-2ND-MAJOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	12
EMP-2ND-MINOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	13
EMP-2ND-ORG-PROPERTY-ID	EMP-PROPERTY-INFO-RECORD	M6C30A	04
EMP-2ND-ORG-PROPERTY-TYPE	EMP-PROPERTY-INFO-RECORD	M6C30A	03
EMP-2ND-PROFESSIONAL-LICENSE	EMP-EDUCATION-INFO-RECORD	M6B20A	37
EMP-2ND-SCHOOL-ATTENDED	EMP-EDUCATION-INFO-RECORD	M6B20A	09
EMP-2ND-TRAINING-CERT-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	29

Item	Logical Record	Record ID	Position Indicator
EMP-2ND-TRAINING-SCHOOL	EMP-EDUCATION-INFO-RECORD	M6B20A	28
EMP-3RD-CERTIFICATION-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	34
EMP-3RD-CERTIFIED-STUDY-FLD	EMP-EDUCATION-INFO-RECORD	M6B20A	35
EMP-3RD-DEGREE-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	15
EMP-3RD-EDUC-DEGREE-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	16
EMP-3RD-LIFE-INS-PLAN-IND	EMP-INSURANCE-INFO-RECORD	M6C10A	07
EMP-3RD-LIFE-INS-PLAN-TYPE	EMP-INSURANCE-INFO-RECORD	M6C10A	08
EMP-3RD-LIFE-INSURANCE-AMT	EMP-INSURANCE-INFO-RECORD	M6C10A	09
EMP-3RD-MAJOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	17
EMP-3RD-MINOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	18
EMP-3RD-ORG-PROPERTY-ID	EMP-PROPERTY-INFO-RECORD	M6C30A	06
EMP-3RD-ORG-PROPERTY-TYPE	EMP-PROPERTY-INFO-RECORD	M6C30A	05
EMP-3RD-SCHOOL-ATTENDED	EMP-EDUCATION-INFO-RECORD	M6B20A	14
EMP-3RD-TRAINING-CERT-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	33
EMP-3RD-TRAINING-SCHOOL	EMP-EDUCATION-INFO-RECORD	M6B20A	32
EMP-4TH-DEGREE-TYPE	EMP-EDUCATION-INFO-RECORD	M6B20A	20
EMP-4TH-EDUC-DEGREE-DATE	EMP-EDUCATION-INFO-RECORD	M6B20A	21
EMP-4TH-MAJOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	22
EMP-4TH-MINOR-STUDY-FIELD	EMP-EDUCATION-INFO-RECORD	M6B20A	23
EMP-4TH-ORG-PROPERTY-ID	EMP-PROPERTY-INFO-RECORD	M6C30A	08
EMP-4TH-ORG-PROPERTY-TYPE	EMP-PROPERTY-INFO-RECORD	M6C30A	07
EMP-4TH-SCHOOL-ATTENDED	EMP-EDUCATION-INFO-RECORD	M6B20A	19
EMP-5TH-ORG-PROPERTY-ID	EMP-PROPERTY-INFO-RECORD	M6C30A	10
EMP-5TH-ORG-PROPERTY-TYPE	EMP-PROPERTY-INFO-RECORD	M6C30A	09
EMP-606-SPACE-1-X4	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	25
EMP-608-SPACE-1-X1	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	13
EMP-ACH-ACCOUNT-NUM	EMP-DOE-INFORMATION-RECORD	M2H10A	60
EMP-ACH-BANK-CD-ABA-NUM	EMP-DOE-INFORMATION-RECORD	M2H10A	59
EMP-ACH-PRENOTE-IND	EMP-DOE-INFORMATION-RECORD	M2H10A	61
EMP-ADDL-FEDERAL-WHOLD-AMT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	06
EMP-ADDL-FEDERAL-WHOLD-PCT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	07
EMP-ADDL-PROV-WHOLD-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	09
EMP-ADDL-PROV-WHOLD-PCT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	10

Item	Logical Record	Record ID	Position Indicator
EMP-ADDL-STATE-WHOLD-AMT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	11
EMP-ADDL-STATE-WHOLD-PCT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	12
EMP-ADDL-WORK-STATE-CODE-1	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	15
EMP-ADDL-WORK-STATE-CODE-2	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	17
EMP-ADDL-WORK-STATE-CODE-3	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	19
EMP-ADDL-WORK-STATE-CODE-4	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	21
EMP-ADDL-WORK-STATE-CODE-5	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	23
EMP-ADDL-WORK-STATE-CODE-6	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	25
EMP-ADDL-WORK-STATE-CODE-7	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	27
EMP-ADDL-WORK-STATE-CODE-8	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	29
EMP-ADDL-WORK-ST-TAX-MTHD-1	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	16
EMP-ADDL-WORK-ST-TAX-MTHD-2	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	18
EMP-ADDL-WORK-ST-TAX-MTHD-3	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	20
EMP-ADDL-WORK-ST-TAX-MTHD-4	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	22
EMP-ADDL-WORK-ST-TAX-MTHD-5	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	24
EMP-ADDL-WORK-ST-TAX-MTHD-6	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	26
EMP-ADDL-WORK-ST-TAX-MTHD-7	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	28
EMP-ADDL-WORK-ST-TAX-MTHD-8	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	30
EMP-ADDRESS-LINE-1	EMP-ADDRESS-RECORD	M2A30A	01
EMP-ADDRESS-LINE-2	EMP-ADDRESS-RECORD	M2A30A	02
EMP-ADDRESS-LINE-3	EMP-ADDRESS-RECORD	M2A30A	03
EMP-ADJ-UNION-MEMBERSHIP-DT	EMP-LR-UNION-INFO-RECORD	M7B10A	07
EMP-ADJ-USER-SNR-DATE-1	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	11
EMP-ADJ-USER-SNR-DATE-2	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	12
EMP-ADJ-USER-SNR-DATE-3	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	13
EMP-ADJUSTED-SERVICE-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	04
EMP-AGE	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	07
EMP-ANNUAL-BEN-STMT-FMT-CODE	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	10
EMP-ANNUAL-SALARY	EMP-CONF-ANNUAL-SALARY-REC	M6J60A	01
EMP-BARGAINING-UNIT-CODE	EMP-BEN-DISCRIMINATION-REC	M6R20U	02
EMP-BEN-DOCUMENT-NO-REQUESTS	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	04
EMP-BEN-DOCUMENT-REQUEST-DT	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	05
EMP-BENEFICIARY-BIRTH-DATE	EMP-BENEFICIARY-RECORD	M6M10A	03

Item	Logical Record	Record ID	Position Indicator
EMP-BENEFICIARY-CODE	EMP-BENEFICIARY-RECORD	M6M10A	01
EMP-BENEFICIARY-NAME	EMP-BENEFICIARY-RECORD	M6M10A	02
EMP-BENEFICIARY-RELT-CODE	EMP-BENEFICIARY-RECORD	M6M10A	04
EMP-BENEFIT-HOURS-EARN-AMT	EMP-BEN-HOURS-EARN-INFO-REC	M6L10A	02
EMP-BEN-HOURS-EARN-ACCUM-ID	EMP-HOURS-EARN-ACCUM-ID-REC	M6L20A	01
EMP-BEN-HOURS-EARN-PLAN-YEAR	EMP-BEN-HOURS-EARN-INFO-REC	M6L10A	01
EMP-BEN-PROFILE-UPDATE-DATE	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	15
EMP-BIRTHDATE	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	06
EMP-BIRTHPLACE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	07
EMP-BLOOD-TYPE	EMP-GENERAL-HEALTH-RECORD	M6H20A	07
EMP-BOND-1-ACTIVE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	16
EMP-BOND-1-BEGINNING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	02
EMP-BOND-1-BENEFICIARY-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	06
EMP-BOND-1-BENEFICIARY-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	07
EMP-BOND-1-CURR-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	12
EMP-BOND-1-DEDUCTION-AMT	EMP-BOND-INFORMATION-RECORD	M2E10A	03
EMP-BOND-1-DOE-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	11
EMP-BOND-1-ENDING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	05
EMP-BOND-1-MTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	13
EMP-BOND-1-OWNER-CO-OWN-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	10
EMP-BOND-1-OWNER-CO-OWN-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	08
EMP-BOND-1-OWNER-CO-OWN-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	09
EMP-BOND-1-PRICE	EMP-BOND-INFORMATION-RECORD	M2E10A	04
EMP-BOND-1-PURCHASE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	01
EMP-BOND-1-QTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	14
EMP-BOND-1-YTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	15
EMP-BOND-2-ACTIVE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	32
EMP-BOND-2-BEGINNING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	18
EMP-BOND-2-BENEFICIARY-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	22
EMP-BOND-2-BENEFICIARY-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	23
EMP-BOND-2-CURR-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	28
EMP-BOND-2-DEDUCTION-AMT	EMP-BOND-INFORMATION-RECORD	M2E10A	19
EMP-BOND-2-DOE-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	27

Item	Logical Record	Record ID	Position Indicator
EMP-BOND-2-ENDING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	21
EMP-BOND-2-MTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	29
EMP-BOND-2-OWNER-CO-OWN-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	26
EMP-BOND-2-OWNER-CO-OWN-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	24
EMP-BOND-2-OWNER-CO-OWN-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	25
EMP-BOND-2-PRICE	EMP-BOND-INFORMATION-RECORD	M2E10A	20
EMP-BOND-2-PURCHASE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	17
EMP-BOND-2-QTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	30
EMP-BOND-2-YTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	31
EMP-BOND-3-ACTIVE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	48
EMP-BOND-3-BEGINNING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	34
EMP-BOND-3-BENEFICIARY-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	38
EMP-BOND-3-BENEFICIARY-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	39
EMP-BOND-3-CURR-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	44
EMP-BOND-3-DEDUCTION-AMT	EMP-BOND-INFORMATION-RECORD	M2E10A	35
EMP-BOND-3-DOE-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	43
EMP-BOND-3-ENDING-BALANCE	EMP-BOND-INFORMATION-RECORD	M2E10A	37
EMP-BOND-3-MTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	45
EMP-BOND-3-OWNER-CO-OWN-CODE	EMP-BOND-INFORMATION-RECORD	M2E10A	42
EMP-BOND-3-OWNER-CO-OWN-NAME	EMP-BOND-INFORMATION-RECORD	M2E10A	40
EMP-BOND-3-OWNER-CO-OWN-SSN	EMP-BOND-INFORMATION-RECORD	M2E10A	41
EMP-BOND-3-PRICE	EMP-BOND-INFORMATION-RECORD	M2E10A	36
EMP-BOND-3-PURCHASE-IND	EMP-BOND-INFORMATION-RECORD	M2E10A	33
EMP-BOND-3-QTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	46
EMP-BOND-3-YTD-PURCHASES	EMP-BOND-INFORMATION-RECORD	M2E10A	47
EMP-BONDED-IND	EMP-PROPERTY-INFO-RECORD	M6C30A	13
EMP-CALC-ACTUARIAL-OPTION	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	14
EMP-CALC-CURRENT-JOB-SNR-IND	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	14
EMP-CALC-CURR-JOB-SNR-METHOD	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	15
EMP-CALC-SERVICE-CREDIT-OPT	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	12
EMP-CAN-206-SPACE-1-X1	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	16
EMP-CAN-ADDL-FED-WHOLD-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	04
EMP-CAN-ADDL-FED-WHOLD-PCT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	05

Item	Logical Record	Record ID	Position Indicator
EMP-CAN-BIRTHDATE	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	01
EMP-CAN-CHEQUE-POSTAL-CODE	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	05
EMP-CAN-CURR-FEDERAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	01
EMP-CAN-CURR-FEDERAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	01
EMP-CAN-CURR-VACATION-AMT	EMP-CAN-VACATION-ACCUM-REC	M4A20C	06
EMP-CAN-CURR-VACATION-WAGES	EMP-CAN-VACATION-ACCUM-REC	M4A20C	01
EMP-CAN-DOE-FEDERAL-TAX-OPT	EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	01
EMP-CAN-EI-FIRST-DAY-WORKED	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	04
EMP-CAN-EI-LAST-DAY-PAID	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	05
EMP-CAN-EMPLOYMENT-CODE-1	EMP-CAN-EMPLMT-TERM-CODE-REC	M2A90C	01
EMP-CAN-EMPLOYMENT-CODE-2	EMP-CAN-EMPLMT-TERM-CODE-REC	M2A90C	02
EMP-CAN-EST-ANL-REMUNERATION	EMP-COMMISSION-TAX-INFO-REC	M2A70A	01
EMP-CAN-EST-ANNUAL-EXMPT-EXP	EMP-COMMISSION-TAX-INFO-REC	M2A70A	02
EMP-CAN-FEDERAL-TAX-METHOD	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	02
EMP-CAN-FED-EXMPT-ALLOWANCE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	03
EMP-CAN-FED-NINDX-NET-CLAIM	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	18
EMP-CAN-FED-OTHER-EXCLD-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	19
EMP-CAN-FED-OTHER-TAX-CR-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	20
EMP-CAN-FED-RES-DEDUCT-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	21
EMP-CAN-JOB-TITLE	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	02
EMP-CAN-LANGUAGE-PREFERENCE	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	03
EMP-CAN-MTD-FEDERAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	02
EMP-CAN-MTD-FEDERAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	02
EMP-CAN-MTD-VACATION-AMT	EMP-CAN-VACATION-ACCUM-REC	M4A20C	07
EMP-CAN-MTD-VACATION-WAGES	EMP-CAN-VACATION-ACCUM-REC	M4A20C	02
EMP-CAN-POSTAL-CODE	EMP-ADDRESS-RECORD	M2A30A	05
EMP-CAN-QPIP-DAY-PROVINCE	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	07
EMP-CAN-QPIP-FIRST-DAY-WORKED	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	08
EMP-CAN-QPIP-LAST-DAY-PAID	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	09
EMP-CAN-QTD-FEDERAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	03
EMP-CAN-QTD-FEDERAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	03
EMP-CAN-QTD-VACATION-AMT	EMP-CAN-VACATION-ACCUM-REC	M4A20C	08
EMP-CAN-QTD-VACATION-WAGES	EMP-CAN-VACATION-ACCUM-REC	M4A20C	03

Item	Logical Record	Record ID	Position Indicator
EMP-CAN-TERMINATION-CODE	EMP-CAN-EMPLMT-TERM-CODE-REC	M2A90C	03
EMP-CAN-TERM-REASON-CODE	EMP-CAN-EMPLMT-TERM-CODE-REC	M2A90C	04
EMP-CAN-VACATION-PCT-CODE	EMP-CAN-VACATION-ACCUM-REC	M4A20C	05
EMP-CAN-YTD-FEDERAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	04
EMP-CAN-YTD-FEDERAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	04
EMP-CAN-YTD-VACATION-AMT	EMP-CAN-VACATION-ACCUM-REC	M4A20C	09
EMP-CAN-YTD-VACATION-WAGES	EMP-CAN-VACATION-ACCUM-REC	M4A20C	04
EMP-CAREER-PROGRESSION-LN-1	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	08
EMP-CAREER-PROGRESSION-LN-2	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	10
EMP-CAREER-PROGRESSION-LN-3	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	12
EMP-CAREER-PROGRESSION-LN-4	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	14
EMP-CAREER-PROGRESSION-LN-5	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	16
EMP-CAREER-PROGRESSION-SEQ-1	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	09
EMP-CAREER-PROGRESSION-SEQ-2	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	11
EMP-CAREER-PROGRESSION-SEQ-3	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	13
EMP-CAREER-PROGRESSION-SEQ-4	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	15
EMP-CAREER-PROGRESSION-SEQ-5	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	17
EMP-CHECK-ADDRESS-LINE-1	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	01
EMP-CHECK-ADDRESS-LINE-2	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	02
EMP-CHECK-PRINT-NAME-ADDRESS	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	01
EMP-CHECK-SEQUENCE-CODE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	03
EMP-CHECK-ZIP-CODE	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	03
EMP-CHECK-ZIP-CODE-EXT	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	04
EMP-CHILD-BIRTHDATE	EMP-CHILD-INFORMATION-RECORD	M6H10A	03
EMP-CHILD-NAME	EMP-CHILD-INFORMATION-RECORD	M6H10A	01
EMP-CHILD-SEX-CODE	EMP-CHILD-INFORMATION-RECORD	M6H10A	02
EMP-CITY-AMT-ONE-EXEMPTION	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	47
EMP-CITY-MARITAL-STATUS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	45
EMP-CITY-TAX-AUTHORITY	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	50
EMP-CITY-TAX-METHOD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	44
EMP-CITY-WITHHOLDING-AMT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	48
EMP-CITY-WITHHOLDING-PCT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	49
EMP-CLASSIFICATION	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	01

Item	Logical Record	Record ID	Position Indicator
EMP-COMPA-RATIO	EMP-CONF-ANNUAL-SALARY-REC	M6J60A	02
EMP-COUNTRY-OF-CITIZENSHIP	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	06
EMP-COUNTY-AMT-ONE-EXEMPTION	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	40
EMP-COUNTY-CODE	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	43
EMP-COUNTY-MARITAL-STATUS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	38
EMP-COUNTY-TAX-METHOD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	37
EMP-COUNTY-WITHHOLDING-AMT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	41
EMP-COUNTY-WITHHOLDING-PCT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	42
EMP-CPP-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	12
EMP-CPP-RECEIVE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	29
EMP-CPT30-CUR-OPT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	30
EMP-CPT30-CUR-SIG-DATE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	31
EMP-CPT30-PREV-OPT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	32
EMP-CPT30-PREV-SIG-DATE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	33
EMP-CREDIT-UNION-MEMBER-IND	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	26
EMP-CS-CASE-ID	EMP-DOE-INFORMATION-RECORD	M2H10A	62
EMP-CS-FIP-CD	EMP-DOE-INFORMATION-RECORD	M2H10A	64
EMP-CS-MS-IND	EMP-DOE-INFORMATION-RECORD	M2H10A	63
EMP-CUR-QC-EI-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	25
EMP-CUR-QHC-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	27
EMP-CUR-QPIP-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	33
EMP-CUR-QPIP-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	29
EMP-CURR-CPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	05
EMP-CURR-CPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	05
EMP-CURR-DOE-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	49
EMP-CURR-DOE-SPECIAL-HOURS	EMP-DOE-INFORMATION-RECORD	M2H10A	53
EMP-CURR-EI-INSRBL-EARNINGS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	03
EMP-CURR-EI-INSURABLE-HOURS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	04
EMP-CURR-EI-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	13
EMP-CURR-EI-PD-END-DATE	EMP-EI-QPIP-INS-EARN-REC	M4A10C	02
EMP-CURR-EI-PREMIUM	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	09
EMP-CURR-EI-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	09
EMP-CURR-EMPLMT-SNR-TIE-NO	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	05

Item	Logical Record	Record ID	Position Indicator
EMP-CURR-EMPLMT-TERM-REASON	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	11
EMP-CURR-EMPLOYEE-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	15
EMP-CURR-EMPLOYEE-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	05
EMP-CURR-EMPLOYER-FUI-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	29
EMP-CURR-EMPLOYER-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	25
EMP-CURR-EMPLOYER-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	31
EMP-CURR-EMPLOYER-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	17
EMP-CURR-EMPLOYER-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	21
EMP-CURR-EMPLOYMENT-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	03
EMP-CURR-EMPLOYMENT-SNR-DATE	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	04
EMP-CURR-EMPLR-FICA-MED-401K	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	49
EMP-CURR-EMPLR-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	21
EMP-CURR-EMPLR-MEDICARE-WAGE	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	27
EMP-CURR-EMPLR-MQGE-TIP-CRED	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	13
EMP-CURR-EMPLR-SS-MED-TIP-CR	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	09
EMP-CURRENT-JOB-SNR-TIE-NO	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	07
EMP-CURR-FEDERAL-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	01
EMP-CURR-FEDERAL-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	01
EMP-CURR-FICA-MED-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	47
EMP-CURR-FIT-WAGES-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	43
EMP-CURR-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	37
EMP-CURR-FUI-WAGES-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	45
EMP-CURR-JOB-SENIORITY-DATE	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	06
EMP-CURR-JOB-STATUS-CODE	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	02
EMP-CURR-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	09
EMP-CURR-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	11
EMP-CURR-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	13
EMP-CURR-MQGE-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	05
EMP-CURR-NET-PAY	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	17
EMP-CURR-OTHER-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	09
EMP-CURR-OVERTIME-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	05
EMP-CURR-OVERTIME-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	05
EMP-CURR-POSITION-UNION-ID	EMP-LR-UNION-INFO-RECORD	M7B10A	01

Item	Logical Record	Record ID	Position Indicator
EMP-CURR-PROVINCIAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	13
EMP-CURR-QPIP-INSRBL-EARNINGS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	10
EMP-CURR-QPIP-INSURABLE-HOURS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	11
EMP-CURR-QPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	17
EMP-CURR-QPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	17
EMP-CURR-QUE-MEDICARE-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	21
EMP-CURR-REGULAR-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	01
EMP-CURR-REGULAR-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	01
EMP-CURR-RELV1-CPP-CONTRIB	EMP-RELV1-REPORTING-RECORD	M3A40C	09
EMP-CURR-RELV1-EI -PREMIUM	EMP-RELV1-REPORTING-RECORD	M3A40C	15
EMP-CURR-RELV1-PROV-WAGES	EMP-RELV1-REPORTING-RECORD	M3A40C	01
EMP-CURR-RELV1-QPP-CONTRIB	EMP-RELV1-REPORTING-RECORD	M3A40C	12
EMP-CURR-RELV1-QUE-INCM-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	05
EMP-CURR-RELV2-PROV-TAX	EMP-RELV2-REPORTING-RECORD	M3A50C	01
EMP-CURR-SALTA-DISAB-TAX	EMP-SALTA-RECORD1	M3A10U	19
EMP-CURR-SALTA-EMPLR-FUI-TAX	EMP-SALTA-RECORD2	M3A20U	39
EMP-CURR-SALTA-FUI-WAGES	EMP-SALTA-RECORD2	M3A20U	35
EMP-CURR-SALTA-OTHER-AMT	EMP-SALTA-RECORD2	M3A20U	43
EMP-CURR-SALTA-SUI-TAX	EMP-SALTA-RECORD2	M3A20U	29
EMP-CURR-SALTA-TAX	EMP-SALTA-RECORD1	M3A10U	07
EMP-CURR-SALTA-TOTAL-EARNING	EMP-SALTA-RECORD1	M3A10U	03
EMP-CURR-SERVICE-LENGTH	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	05
EMP-CURR-SPECIAL-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	10
EMP-CURR-SS-MED-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	01
EMP-CURR-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	05
EMP-CURR-T4A-FEDERAL-TAX	EMP-T4A-REPORTING-RECORD	M3A30C	02
EMP-CURR-T4-CPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	11
EMP-CURR-T4-EI -PREMIUM	EMP-T4-REPORTING-RECORD	M3A20C	18
EMP-CURR-T4-FEDERAL-TAX	EMP-T4-REPORTING-RECORD	M3A20C	06
EMP-CURR-T4-PROV-TAX	EMP-T4-REPORTING-RECORD	M3A20C	34
EMP-CURR-T4-QPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	14
EMP-CURR-T4-TOT-FED-EARNINGS	EMP-T4-REPORTING-RECORD	M3A20C	02
EMP-CURR-TAXABLE-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	15

Item	Logical Record	Record ID	Position Indicator
EMP-CURR-TOTAL-DEDUCTIONS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	13
EMP-CURR-TOTAL-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	41
EMP-CURR-TOTAL-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	19
EMP-CURR-TOTAL-SS-MED-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	09
EMP-CURR-TOTAL-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	11
EMP-CURR-TOT-EMPLR-MQGE-WAGE	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	35
EMP-CURR-TOT-EMPLR-SSM-WAGE	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	25
EMP-CURR-UNCOLL-MED-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	19
EMP-CURR-UNCOLL-MQGE-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	21
EMP-CURR-UNCOLL-SS-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	17
EMP-CURR-YEAR-ACCUM-HOURS	EMP-BEN-SECTION-89-ACCUM-REC	M6R10U	03
EMP-CURR-YEAR-CO-OWN-PCT	EMP-BEN-DISCRIMINATION-REC	M6R20U	03
EMP-CURR-YEAR-OFFICER-IND	EMP-BEN-DISCRIMINATION-REC	M6R20U	05
EMP-CURR-YR-ACCUM-EARN-AMT	EMP-BEN-SECTION-89-ACCUM-REC	M6R10U	01
EMP-CVRG-SPOUSE-EMPLR-IND	EMP-BEN-DISCRIMINATION-REC	M6R20U	09
EMP-DEATH-DATE	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	03
EMP-DEP-ADDR-ID	EMP-DEP-BASIC-RECORD	M2AD2A	03
EMP-DEP-BIRTH-DATE	EMP-DEP-BASIC-RECORD	M2AD2A	04
EMP-DEP-DEATH-DATE	EMP-DEP-BASIC-RECORD	M2AD2A	05
EMP-DEP-NAME-1ST-NAME-1ST	EMP-DEP-BASIC-RECORD	M2AD2A	02
EMP-DEP-NAME-LAST-NAME-FIRST	EMP-DEP-BASIC-RECORD	M2AD2A	01
EMP-DEP-PLAN-COVG-BEGIN-DATE	EMP-DEP-PLAN-RECORD	M2AD3A	02
EMP-DEP-PLAN-COVG-END-DATE	EMP-DEP-PLAN-RECORD	M2AD3A	03
EMP-DEP-PLAN-COVG-TYPE	EMP-DEP-PLAN-RECORD	M2AD3A	05
EMP-DEP-PLAN-ID	EMP-DEP-PLAN-RECORD	M2AD3A	01
EMP-DEP-PLAN-STATUS	EMP-DEP-PLAN-RECORD	M2AD3A	04
EMP-DEP-PLAN-USER-FLD-1	EMP-DEP-PLAN-RECORD	M2AD3A	06
EMP-DEP-PLAN-USER-FLD-2	EMP-DEP-PLAN-RECORD	M2AD3A	07
EMP-DEP-RELATIONSHIP	EMP-DEP-BASIC-RECORD	M2AD2A	07
EMP-DEP-SEX	EMP-DEP-BASIC-RECORD	M2AD2A	06
EMP-DEP-STATUS	EMP-DEP-BASIC-RECORD	M2AD2A	08
EMP-DEP-USER-ALPHA-FLD-1	EMP-DEP-BASIC-RECORD	M2AD2A	09
EMP-DEP-USER-ALPHA-FLD-2	EMP-DEP-BASIC-RECORD	M2AD2A	10

Item	Logical Record	Record ID	Position Indicator
EMP-DEP-USER-ALPHA-FLD-3	EMP-DEP-BASIC-RECORD	M2AD2A	11
EMP-DEP-USER-DATE-FLD-1	EMP-DEP-BASIC-RECORD	M2AD2A	14
EMP-DEP-USER-DATE-FLD-2	EMP-DEP-BASIC-RECORD	M2AD2A	15
EMP-DEP-USER-NUM-FLD-1	EMP-DEP-BASIC-RECORD	M2AD2A	12
EMP-DEP-USER-NUM-FLD-2	EMP-DEP-BASIC-RECORD	M2AD2A	13
EMP-DFR-1ST-STOCK-ISSUE-TOT	EMP-DFR-PLAN-RECORD	M6K10A	30
EMP-DFR-1ST-STOCK-UNIT-VALUE	EMP-DFR-PLAN-RECORD	M6K10A	31
EMP-DFR-2ND-STOCK-ISSUE-TOT	EMP-DFR-PLAN-RECORD	M6K10A	32
EMP-DFR-2ND-STOCK-UNIT-VALUE	EMP-DFR-PLAN-RECORD	M6K10A	33
EMP-DFR-ACCOUNT-VALUE	EMP-DFR-PLAN-RECORD	M6K10A	37
EMP-DFR-ACCRUED-LUMP-SUM-AMT	EMP-DFR-PLAN-RECORD	M6K10A	20
EMP-DFR-ACTUARIAL-CALC-DATE	EMP-DFR-PLAN-RECORD	M6K10A	39
EMP-DFR-BENEFICIARY-CODE	EMP-DFR-PLAN-RECORD	M6K10A	06
EMP-DFR-DOC-LAST-SENT-DATE	EMP-DFR-PLAN-RECORD	M6K10A	09
EMP-DFR-DOCUMENT-ID	EMP-DFR-PLAN-RECORD	M6K10A	08
EMP-DFR-DOC-WARN-MSG-DCR-CNT	EMP-DFR-PLAN-RECORD	M6K10A	10
EMP-DFR-EARNING-INTEREST-AMT	EMP-DFR-PLAN-RECORD	M6K10A	34
EMP-DFR-EARNINGS-ACCUM-ID	EMP-DFR-PLAN-RECORD	M6K10A	55
EMP-DFR-ELGB-HOURS-ACCUM	EMP-DFR-PLAN-RECORD	M6K10A	11
EMP-DFR-ELGB-HOURS-ACCUM-DT	EMP-DFR-PLAN-RECORD	M6K10A	12
EMP-DFR-ELIGIBLE-TO-PTCP-DT	EMP-DFR-PLAN-RECORD	M6K10A	13
EMP-DFR-ERISA-EVENT-IND-1	EMP-DFR-PLAN-RECORD	M6K10A	40
EMP-DFR-ERISA-EVENT-IND-2	EMP-DFR-PLAN-RECORD	M6K10A	41
EMP-DFR-ERISA-EVENT-IND-3	EMP-DFR-PLAN-RECORD	M6K10A	42
EMP-DFR-ERISA-EVENT-IND-4	EMP-DFR-PLAN-RECORD	M6K10A	43
EMP-DFR-ERISA-EVENT-IND-5	EMP-DFR-PLAN-RECORD	M6K10A	44
EMP-DFR-HOURS-ACCUM-ID	EMP-DFR-PLAN-RECORD	M6K10A	54
EMP-DFR-JOINT-SURVIVOR-OPT	EMP-DFR-PLAN-RECORD	M6K10A	27
EMP-DFR-LAST-WITHDRAWAL-DATE	EMP-DFR-PLAN-RECORD	M6K10A	36
EMP-DFR-MEMBERSHIP-NUMBER	EMP-DFR-PLAN-RECORD	M6K10A	05
EMP-DFR-MULTIPLE-BENEFIT-OPT	EMP-DFR-PLAN-RECORD	M6K10A	07
EMP-DFR-PLAN-ID	EMP-DFR-PLAN-ID-RECORD	M6K50A	01
EMP-DFR-PLAN-ID	EMP-DFR-PLAN-RECORD	M6K10A	01

Item	Logical Record	Record ID	Position Indicator
EMP-DFR-PROJ-EARLY-RET-AMT	EMP-DFR-PLAN-RECORD	M6K10A	25
EMP-DFR-PROJ-EARLY-SUM-AMT	EMP-DFR-PLAN-RECORD	M6K10A	22
EMP-DFR-PROJ-JOINT-MO-AMOUNT	EMP-DFR-PLAN-RECORD	M6K10A	26
EMP-DFR-PROJ-JOINT-SUM-AMT	EMP-DFR-PLAN-RECORD	M6K10A	23
EMP-DFR-PROJ-LUMP-SUM-AMOUNT	EMP-DFR-PLAN-RECORD	M6K10A	21
EMP-DFR-PROJ-MONTHLY-AMOUNT	EMP-DFR-PLAN-RECORD	M6K10A	24
EMP-DFR-PRTL-BEN-CREDIT-ID	EMP-DFR-PLAN-RECORD	M6K10A	53
EMP-DFR-PRTL-VESTING-CR-ID	EMP-DFR-PLAN-RECORD	M6K10A	52
EMP-DFR-PTCP-BEGIN-DATE	EMP-DFR-PLAN-RECORD	M6K10A	03
EMP-DFR-PTCP-END-DATE	EMP-DFR-PLAN-RECORD	M6K10A	04
EMP-DFR-PTCP-SERV-CALC-MTHD	EMP-DFR-PLAN-RECORD	M6K10A	45
EMP-DFR-PTCP-SERVICE-ADJ-AMT	EMP-DFR-PLAN-RECORD	M6K10A	48
EMP-DFR-PTCP-SERVICE-CR-AMT	EMP-DFR-PLAN-RECORD	M6K10A	18
EMP-DFR-PTCP-STATUS-CODE	EMP-DFR-PLAN-RECORD	M6K10A	02
EMP-DFR-RULE-OF-PARITY-IND	EMP-DFR-PLAN-RECORD	M6K10A	14
EMP-DFR-SERV-CALC-MTHD-CODE	EMP-DFR-PLAN-RECORD	M6K10A	47
EMP-DFR-SERVICE-ADJ-AMOUNT	EMP-DFR-PLAN-RECORD	M6K10A	50
EMP-DFR-SERVICE-CREDIT-AMT	EMP-DFR-PLAN-RECORD	M6K10A	17
EMP-DFR-SS-1ST-RET-MFB	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	05
EMP-DFR-SS-1ST-RET-PIA	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	02
EMP-DFR-SS-2ND-RET-MFB	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	06
EMP-DFR-SS-2ND-RET-PIA	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	03
EMP-DFR-SS-CALC-ERROR-IND	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	07
EMP-DFR-SS-CALCULATE-TYPE-CD	EMP-DFR-SS-PLAN-OFST-OPT-REC	M6K20A	01
EMP-DFR-SS-DISAB-DEATH-MFB	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	04
EMP-DFR-SS-DISAB-DEATH-PIA	EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	01
EMP-DFR-SS-LAW-EFFECTIVE-DT	EMP-DFR-SS-PLAN-OFST-OPT-REC	M6K20A	02
EMP-DFR-TOTAL-SERVICE-BREAKS	EMP-DFR-PLAN-RECORD	M6K10A	15
EMP-DFR-TOTAL-WITHDRAWN-AMT	EMP-DFR-PLAN-RECORD	M6K10A	35
EMP-DFR-TOT-EMP-CONTRIB-AMT	EMP-DFR-PLAN-RECORD	M6K10A	28
EMP-DFR-TOT-ORG-CONTRIB-AMT	EMP-DFR-PLAN-RECORD	M6K10A	29
EMP-DFR-VESTED-PERCENT	EMP-DFR-PLAN-RECORD	M6K10A	19
EMP-DFR-VESTING-SERV-ADJ-AMT	EMP-DFR-PLAN-RECORD	M6K10A	49

Item	Logical Record	Record ID	Position Indicator
EMP-DFR-VESTING-SERV-CR-AMT	EMP-DFR-PLAN-RECORD	M6K10A	16
EMP-DFR-VEST-SCHEDULE-ID	EMP-DFR-PLAN-RECORD	M6K10A	51
EMP-DFR-VEST-SERV-CALC-MTHD	EMP-DFR-PLAN-RECORD	M6K10A	46
EMP-DFR-YEAR-NO-CONTRIB-MADE	EMP-DFR-PLAN-RECORD	M6K10A	38
EMP-DISABILITY-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	36
EMP-DISCIPLINE-DATE	EMP-LR-DISCIPLINE-RECORD	M7C10A	06
EMP-DISCIPLINE-FILE-NUMBER	EMP-LR-DISCIPLINE-RECORD	M7C10A	02
EMP-DISCIPLINE-LEVEL-3	EMP-LR-DISCIPLINE-RECORD	M7C10A	07
EMP-DISCIPLINE-LEVEL-4	EMP-LR-DISCIPLINE-RECORD	M7C10A	08
EMP-DISCIPLINE-LEVEL-5	EMP-LR-DISCIPLINE-RECORD	M7C10A	09
EMP-DISCIPLINE-LEVEL-6	EMP-LR-DISCIPLINE-RECORD	M7C10A	10
EMP-DISCIPLINE-LEVEL-7	EMP-LR-DISCIPLINE-RECORD	M7C10A	11
EMP-DISCIPLINE-STATUS-CODE	EMP-LR-DISCIPLINE-RECORD	M7C10A	13
EMP-DISCIPLINE-SUPERVISOR	EMP-LR-DISCIPLINE-RECORD	M7C10A	12
EMP-DISCIPLINE-TYPE-CODE	EMP-LR-DISCIPLINE-RECORD	M7C10A	05
EMP-DISCPL-OFFENSE-OCCUR-NO	EMP-LR-DISCIPLINE-RECORD	M7C10A	04
EMP-DOE-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	04
EMP-DOE-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	06
EMP-DOE-BALANCE-NOT-TAKEN	EMP-DOE-INFORMATION-RECORD	M2H10A	58
EMP-DOE-CPP-QPP-TAX-OPT	EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	04
EMP-DOE-CURR-AMT-NOT-TAKEN	EMP-DOE-INFORMATION-RECORD	M2H10A	57
EMP-DOE-EI-PREMIUM-OPT	EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	05
EMP-DOE-FEDERAL-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	01
EMP-DOE-FICA-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	04
EMP-DOE-FUI-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	05
EMP-DOE-LIMIT-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	09
EMP-DOE-LOCAL-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	03
EMP-DOE-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	01
EMP-DOE-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	05
EMP-DOE-PERIOD-ACTIVE-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	02
EMP-DOE-PROVINCE-TAX-OPT	EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	02
EMP-DOE-QUE-MEDICARE-TAX-OPT	EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	06
EMP-DOE-REPORT-SEQUENCE-OPT	EMP-DOE-INFORMATION-RECORD	M2H10A	12

Item	Logical Record	Record ID	Position Indicator
EMP-DOE-START-DATE	EMP-DOE-INFORMATION-RECORD	M2H10A	10
EMP-DOE-STATE-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	02
EMP-DOE-STEP-1-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	24
EMP-DOE-STEP-1-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	26
EMP-DOE-STEP-1-MAXIMUM	EMP-DOE-INFORMATION-RECORD	M2H10A	27
EMP-DOE-STEP-1-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	23
EMP-DOE-STEP-1-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	25
EMP-DOE-STEP-2-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	29
EMP-DOE-STEP-2-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	31
EMP-DOE-STEP-2-MAXIMUM	EMP-DOE-INFORMATION-RECORD	M2H10A	32
EMP-DOE-STEP-2-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	28
EMP-DOE-STEP-2-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	30
EMP-DOE-STEP-3-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	34
EMP-DOE-STEP-3-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	36
EMP-DOE-STEP-3-MAXIMUM	EMP-DOE-INFORMATION-RECORD	M2H10A	37
EMP-DOE-STEP-3-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	33
EMP-DOE-STEP-3-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	35
EMP-DOE-STEP-4-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	39
EMP-DOE-STEP-4-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	41
EMP-DOE-STEP-4-MAXIMUM	EMP-DOE-INFORMATION-RECORD	M2H10A	42
EMP-DOE-STEP-4-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	38
EMP-DOE-STEP-4-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	40
EMP-DOE-STEP-5-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	44
EMP-DOE-STEP-5-AMT-PER-HOUR	EMP-DOE-INFORMATION-RECORD	M2H10A	46
EMP-DOE-STEP-5-MAXIMUM	EMP-DOE-INFORMATION-RECORD	M2H10A	47
EMP-DOE-STEP-5-METHOD-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	43
EMP-DOE-STEP-5-PCT	EMP-DOE-INFORMATION-RECORD	M2H10A	45
EMP-DOE-STOP-DATE	EMP-DOE-INFORMATION-RECORD	M2H10A	11
EMP-DOE-SUI-DISAB-TAX-OPT	EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	06
EMP-DOE-TAX-ARREARS-CODE	EMP-DOE-INFORMATION-RECORD	M2H10A	03
EMP-DRIVERS-LICENSE-EXPR-DT	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	29
EMP-DRIVERS-LICENSE-NUMBER	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	28
EMP-DRIVERS-LICENSE-STATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	27

Item	Logical Record	Record ID	Position Indicator
EMP-EDUCATION-STATUS-IND	EMP-EDUCATION-INFO-RECORD	M6B20A	02
EMP-EEA-ABORIG-PERSON-IND	EMP-EEA-INFORMATION-RECORD	M6Q10C	07
EMP-EEA-ABORIG-PERSON-IND	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	11
EMP-EEA-CMA-CODE	EMP-EEA-INFORMATION-RECORD	M6Q10C	04
EMP-EEA-CMA-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	06
EMP-EEA-DISABLED-PERS-IND	EMP-EEA-INFORMATION-RECORD	M6Q10C	08
EMP-EEA-DISABLED-PERS-IND	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	12
EMP-EEA-INDST-SECTOR-CODE	EMP-EEA-INFORMATION-RECORD	M6Q10C	03
EMP-EEA-INDST-SECTOR-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	03
EMP-EEA-OCCUP-GROUP-CODE	EMP-EEA-INFORMATION-RECORD	M6Q10C	05
EMP-EEA-OCCUP-GROUP-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	07
EMP-EEA-REPORTING-UNIT-CODE	EMP-EEA-INFORMATION-RECORD	M6Q10C	01
EMP-EEA-REPORTING-UNIT-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	01
EMP-EEA-SALARY	EMP-EEA-INFORMATION-RECORD	M6Q10C	09
EMP-EEA-SALARY	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	13
EMP-EEA-VISIBLE-MINORITY-IND	EMP-EEA-INFORMATION-RECORD	M6Q10C	06
EMP-EEA-VISIBLE-MINORITY-IND	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	10
EMP-EEA-WORK-PROVINCE-CODE	EMP-EEA-INFORMATION-RECORD	M6Q10C	02
EMP-EEA-WORK-PROVINCE-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	02
EMP-EEOC-GROUP-IND	EMP-EEO-INFORMATION-RECORD	M6J50A	05
EMP-EEO-EXEMPT-IND	EMP-EEO-INFORMATION-RECORD	M6J50A	02
EMP-EEO-OCCUPATION-CATEGORY	EMP-EEO-INFORMATION-RECORD	M6J50A	01
EMP-EEO-TRAINEE-IND	EMP-EEO-INFORMATION-RECORD	M6J50A	03
EMP-EEO-UNIT-IND	EMP-EEO-INFORMATION-RECORD	M6J50A	04
EMP-EI-ADJUST-FLAG	EMP-EI-QPIP-INS-EARN-REC	M4A10C	09
EMP-EI-EMPLOYER-RATE-CODE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	17
EMP-EI-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	13
EMP-EI-INSRBL-EARNINGS-AMT	EMP-EI-QPIP-INS-EARN-REC	M4A10C	07
EMP-EI-INSURABLE-HOURS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	08
EMP-EI-PERIOD-END-DATE	EMP-EI-QPIP-INS-EARN-REC	M4A10C	06
EMP-ELAPSED-TIME-DATE	EMP-ELAPSED-TIME-RECORD	M6N10A	01
EMP-ELAPSED-TIME-DATE-TYPE	EMP-ELAPSED-TIME-RECORD	M6N10A	02
EMP-ELIGIBLE-JOB-NUMBER-1	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	09

Item	Logical Record	Record ID	Position Indicator
EMP-ELIGIBLE-JOB-NUMBER-2	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	10
EMP-ELIGIBLE-JOB-NUMBER-3	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	11
EMP-EMAIL-ADDRESS	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	07
EMP-EMERGENCY-ADDRESS-LINE-1	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	17
EMP-EMERGENCY-ADDRESS-LINE-2	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	18
EMP-EMERGENCY-CONTACT-RELT	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	20
EMP-EMERGENCY-NAME	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	16
EMP-EMERGENCY-TELEPHONE-NO	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	21
EMP-EMERGENCY-ZIP-CODE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	19
EMP-EMPLOYEE-SUI-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	35
EMP-EMPLOYER-SUI-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	34
EMP-EMPLOYMENT-CODE	EMP-EMPLMT-TERM-CODE-RECORD	M2A90U	01
EMP-EMPLOYMENT-DATE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	01
EMP-EST-EDUC-COMPLETION-YEAR	EMP-EDUCATION-INFO-RECORD	M6B20A	03
EMP-EXEMPT-STATUS-IND	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	03
EMP-EXTENDED-DISTRIBUTION-CD	EMP-GENL-PAYROLL-INFO-1-REC	M2A80A	04
EMP-FEDERAL-ESTABLISHMENT-CD	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	13
EMP-FEDERAL-JOB-CODE	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	04
EMP-FEDERAL-MARITAL-STATUS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	02
EMP-FEDERAL-TAX-METHOD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	01
EMP-FED-PROVINCIAL-TAX-AUTH	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	01
EMP-FICA-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	04
EMP-FINAL-MILITARY-RANKING	EMP-MILITARY-INFORMATION-REC	M6B10A	03
EMP-FOREIGN-NATIONAL-CODE	EMP-EEO-INFORMATION-RECORD	M6J50A	10
EMP-FUI-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	05
EMP-FULL-TIME-PART-TIME-CODE	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	02
EMP-GENERAL-HEALTH-IND	EMP-GENERAL-HEALTH-RECORD	M6H20A	03
EMP-GEOGRAPHIC-PREFERENCE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	02
EMP-GRIEVANCE-DATE	EMP-LR-GRIEVANCE-RECORD	M7D10A	01
EMP-GRIEVANCE-FILE-NUMBER	EMP-LR-GRIEVANCE-RECORD	M7D10A	02
EMP-GRIEVANCE-LEVEL-3	EMP-LR-GRIEVANCE-RECORD	M7D10A	07
EMP-GRIEVANCE-LEVEL-4	EMP-LR-GRIEVANCE-RECORD	M7D10A	08
EMP-GRIEVANCE-LEVEL-5	EMP-LR-GRIEVANCE-RECORD	M7D10A	09

Item	Logical Record	Record ID	Position Indicator
EMP-GRIEVANCE-LEVEL-6	EMP-LR-GRIEVANCE-RECORD	M7D10A	10
EMP-GRIEVANCE-LEVEL-7	EMP-LR-GRIEVANCE-RECORD	M7D10A	11
EMP-GRIEVANCE-SETTLEMENT-AMT	EMP-LR-GRIEVANCE-RECORD	M7D10A	29
EMP-GRIEVANCE-STATUS-CODE	EMP-LR-GRIEVANCE-RECORD	M7D10A	13
EMP-GRIEVANCE-STEP-SETL-ID	EMP-LR-GRIEVANCE-RECORD	M7D10A	28
EMP-GRIEVANCE-SUPERVISOR	EMP-LR-GRIEVANCE-RECORD	M7D10A	12
EMP-GRIEVANCE-TYPE-CODE	EMP-LR-GRIEVANCE-RECORD	M7D10A	03
EMP-GRIEVANCE-UNION-ID	EMP-LR-GRIEVANCE-RECORD	M7D10A	04
EMP-GRIEVANCE-UNION-LOCAL-NO	EMP-LR-GRIEVANCE-RECORD	M7D10A	05
EMP-GRIEV-PROC-RESULT-CD-1	EMP-LR-GRIEVANCE-RECORD	M7D10A	15
EMP-GRIEV-PROC-RESULT-CD-2	EMP-LR-GRIEVANCE-RECORD	M7D10A	17
EMP-GRIEV-PROC-RESULT-CD-3	EMP-LR-GRIEVANCE-RECORD	M7D10A	19
EMP-GRIEV-PROC-RESULT-CD-4	EMP-LR-GRIEVANCE-RECORD	M7D10A	21
EMP-GRIEV-PROC-RESULT-CD-5	EMP-LR-GRIEVANCE-RECORD	M7D10A	23
EMP-GRIEV-PROC-RESULT-CD-6	EMP-LR-GRIEVANCE-RECORD	M7D10A	25
EMP-GRIEV-PROC-RESULT-CD-7	EMP-LR-GRIEVANCE-RECORD	M7D10A	27
EMP-GRIEV-PROC-SETL-DATE-1	EMP-LR-GRIEVANCE-RECORD	M7D10A	14
EMP-GRIEV-PROC-SETL-DATE-2	EMP-LR-GRIEVANCE-RECORD	M7D10A	16
EMP-GRIEV-PROC-SETL-DATE-3	EMP-LR-GRIEVANCE-RECORD	M7D10A	18
EMP-GRIEV-PROC-SETL-DATE-4	EMP-LR-GRIEVANCE-RECORD	M7D10A	20
EMP-GRIEV-PROC-SETL-DATE-5	EMP-LR-GRIEVANCE-RECORD	M7D10A	22
EMP-GRIEV-PROC-SETL-DATE-6	EMP-LR-GRIEVANCE-RECORD	M7D10A	24
EMP-GRIEV-PROC-SETL-DATE-7	EMP-LR-GRIEVANCE-RECORD	M7D10A	26
EMP-GRIEV-UNION-SUB-LOCAL-NO	EMP-LR-GRIEVANCE-RECORD	M7D10A	06
EMP-GROUP-HEALTH-INS-IND	EMP-INSURANCE-INFO-RECORD	M6C10A	10
EMP-GROUP-HEALTH-INS-TYPE	EMP-INSURANCE-INFO-RECORD	M6C10A	11
EMP-GROUP-HEALTH-PLAN-AMT	EMP-INSURANCE-INFO-RECORD	M6C10A	12
EMP-GRP-HLTH-INS-DEPENDENTS	EMP-INSURANCE-INFO-RECORD	M6C10A	13
EMP-GUARANTEED-AMT	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	09
EMP-GUARANTEED-HOURS	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	07
EMP-GUARANTEED-RATE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	08
EMP-GUARANTEED-SALARY	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	10
EMP-GUARANTEE-PAY-IND	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	06

Item	Logical Record	Record ID	Position Indicator
EMP-HEIGHT	EMP-GENERAL-HEALTH-RECORD	M6H20A	01
EMP-HIGHLY-COMPENSATED-CODE	EMP-BEN-DISCRIMINATION-REC	M6R20U	01
EMP-HIST-ORIGINAL-POS-DATE	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	03
EMP-HIST-POSITION-LEVEL-3	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	11
EMP-HIST-POSITION-LEVEL-4	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	12
EMP-HIST-POSITION-LEVEL-5	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	13
EMP-HIST-POSITION-LGTH-SERV	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	05
EMP-HIST-POSITION-SNR-TIE-NO	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	07
EMP-HIST-POSITION-STATUS-CD	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	08
EMP-HIST-POSITION-TITLE	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	06
EMP-HIST-POSITION-UNION-ID	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	10
EMP-HIST-POS-SENIORITY-DATE	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	04
EMP-HIST-PREV-POSITION-NO	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	02
EMP-HIST-SENIORITY-GROUP-ID	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	09
EMP-HOME-TELEPHONE-NUMBER	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	09
EMP-HOSPITAL-INSURANCE-NO	EMP-CAN-GENERAL-INFO-RECORD	M4A30C	06
EMP-HOURLY-RATE	EMP-NORMAL-PAY-INFO-RECORD	M2A20A	01
EMP-INJURY-DATE	EMP-INJURY-INFORMATION-REC	M6I10A	01
EMP-INJURY-TYPE	EMP-INJURY-INFORMATION-REC	M6I10A	04
EMP-JOB-GROUP-CODE	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	01
EMP-JOB-GROUP-ORGANIZATION	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	06
EMP-JOB-GRP-RECRUIT-LOCATION	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	05
EMP-JOB-LOCATION	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	03
EMP-JOB-PREFERENCE	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	15
EMP-JOB-RATING-FACTOR-1	EMP-POS-RELATED-SALARY-REC	M6J70A	04
EMP-JOB-RATING-FACTOR-2	EMP-POS-RELATED-SALARY-REC	M6J70A	05
EMP-JOB-RATING-FACTOR-3	EMP-POS-RELATED-SALARY-REC	M6J70A	06
EMP-JOB-RATING-FACTOR-4	EMP-POS-RELATED-SALARY-REC	M6J70A	07
EMP-JOB-RATING-FACTOR-5	EMP-POS-RELATED-SALARY-REC	M6J70A	08
EMP-JOB-SUPERVISOR	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	05
EMP-JOB-TITLE	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	05
EMP-JOB-WHEN-INJURED	EMP-INJURY-INFORMATION-REC	M6I10A	03
EMP-LAST-HOURLY-RATE	EMP-PAYROLL-PREVIOUS-PAY-REC	M2A60A	01

Item	Logical Record	Record ID	Position Indicator
EMP-LAST-MASTER-RECORD-IND	EMP-GENL-PAYROLL-INFO-1-REC	M2A80A	01
EMP-LAST-PHYSICAL-DATE	EMP-GENERAL-HEALTH-RECORD	M6H20A	04
EMP-LAST-SALARY	EMP-PAYROLL-PREVIOUS-PAY-REC	M2A60A	02
EMP-LAYOFF-DATE	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	02
EMP-LAYOFF-STATUS-CODE	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	01
EMP-LEAVE-ABSENCE-BEGIN-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	14
EMP-LEAVE-ABSENCE-END-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	15
EMP-LEAVE-ABSENCE-REASON	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	13
EMP-LEVEL-3	EMP-COMMON-INFORMATION-REC	M2A10A	04
EMP-LEVEL-4	EMP-COMMON-INFORMATION-REC	M2A10A	05
EMP-LEVEL-5	EMP-COMMON-INFORMATION-REC	M2A10A	06
EMP-LEVEL-6	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	01
EMP-LEVEL-7	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	02
EMP-LOCATION-LAYOFF-DATE	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	05
EMP-LOCK-IN-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	52
EMP-LOCK-IN-MARTIAL-STAT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	51
EMP-LR-PROFILE-UPDATE-DATE	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	01
EMP-MARITAL-STATUS	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	01
EMP-MARRIAGE-DATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	11
EMP-MAXIMUM-SALARY	EMP-POS-RELATED-SALARY-REC	M6J70A	11
EMP-MIDPOINT-SALARY	EMP-POS-RELATED-SALARY-REC	M6J70A	10
EMP-MILITARY-DISCHARGE-DATE	EMP-MILITARY-INFORMATION-REC	M6B10A	05
EMP-MILITARY-DISCHARGE-TYPE	EMP-MILITARY-INFORMATION-REC	M6B10A	04
EMP-MILITARY-DRAFT-STATUS	EMP-MILITARY-INFORMATION-REC	M6B10A	01
EMP-MILITARY-SERVICE-BRANCH	EMP-MILITARY-INFORMATION-REC	M6B10A	02
EMP-MINIMUM-SALARY	EMP-POS-RELATED-SALARY-REC	M6J70A	09
EMP-MTD-CPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	06
EMP-MTD-CPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	06
EMP-MTD-DOE-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	50
EMP-MTD-DOE-SPECIAL-HOURS	EMP-DOE-INFORMATION-RECORD	M2H10A	54
EMP-MTD-EI-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	14
EMP-MTD-EI-PREMIUM	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	10
EMP-MTD-EI-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	10

Item	Logical Record	Record ID	Position Indicator
EMP-MTD-EMPLOYEE-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	16
EMP-MTD-EMPLOYEE-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	06
EMP-MTD-EMPLOYER-FUI-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	30
EMP-MTD-EMPLOYER-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	26
EMP-MTD-EMPLOYER-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	32
EMP-MTD-EMPLOYER-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	18
EMP-MTD-EMPLOYER-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	22
EMP-MTD-EMPLR-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	22
EMP-MTD-EMPLR-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	28
EMP-MTD-EMPLR-MQGE-TIP-CRED	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	14
EMP-MTD-EMPLR-SS-MED-TIP-CR	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	10
EMP-MTD-FEDERAL-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	02
EMP-MTD-FEDERAL-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	02
EMP-MTD-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	38
EMP-MTD-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	10
EMP-MTD-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	12
EMP-MTD-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	14
EMP-MTD-MQGE-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	06
EMP-MTD-NET-PAY	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	18
EMP-MTD-OTHER-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	10
EMP-MTD-OTHER-PAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	13
EMP-MTD-OTH-UNPAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	17
EMP-MTD-OVERTIME-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	06
EMP-MTD-OVERTIME-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	06
EMP-MTD-PROVINCIAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	14
EMP-MTD-QC-EI-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	26
EMP-MTD-QPIP-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	34
EMP-MTD-QPIP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	22
EMP-MTD-QPIP-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	30
EMP-MTD-QPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	18
EMP-MTD-QPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	18
EMP-MTD-QUE-MEDICARE-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	22
EMP-MTD-REGULAR-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	02

Item	Logical Record	Record ID	Position Indicator
EMP-MTD-REGULAR-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	02
EMP-MTD-RELV1-CPP-CONTRIB	EMP-RELV1-REPORTING-RECORD	M3A40C	10
EMP-MTD-RELV1-EI-PREMIUM	EMP-RELV1-REPORTING-RECORD	M3A40C	16
EMP-MTD-RELV1-PROV-WAGES	EMP-RELV1-REPORTING-RECORD	M3A40C	02
EMP-MTD-RELV1-QPP-CONTRIB	EMP-RELV1-REPORTING-RECORD	M3A40C	13
EMP-MTD-RELV1-QUE-INCOME-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	06
EMP-MTD-SALTA-DISABILITY-TAX	EMP-SALTA-RECORD1	M3A10U	20
EMP-MTD-SALTA-EMPLR-FUI-TAX	EMP-SALTA-RECORD2	M3A20U	40
EMP-MTD-SALTA-FUI-WAGES	EMP-SALTA-RECORD2	M3A20U	36
EMP-MTD-SALTA-OTHER-AMT	EMP-SALTA-RECORD2	M3A20U	44
EMP-MTD-SALTA-SUI-TAX	EMP-SALTA-RECORD2	M3A20U	30
EMP-MTD-SALTA-TAX	EMP-SALTA-RECORD1	M3A10U	08
EMP-MTD-SALTA-TOTAL-EARNINGS	EMP-SALTA-RECORD1	M3A10U	04
EMP-MTD-SICK-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	02
EMP-MTD-SPECIAL-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	11
EMP-MTD-SS-MED-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	02
EMP-MTD-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	06
EMP-MTD-T4-CPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	12
EMP-MTD-T4-EI-PREMIUM	EMP-T4-REPORTING-RECORD	M3A20C	19
EMP-MTD-T4-FEDERAL-TAX	EMP-T4-REPORTING-RECORD	M3A20C	07
EMP-MTD-T4-PROV-TAX	EMP-T4-REPORTING-RECORD	M3A20C	35
EMP-MTD-T4-QPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	15
EMP-MTD-T4-TOT-FED-EARNINGS	EMP-T4-REPORTING-RECORD	M3A20C	03
EMP-MTD-TAXABLE-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	16
EMP-MTD-TIMES-PAID	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	21
EMP-MTD-TOTAL-DEDUCTIONS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	14
EMP-MTD-TOTAL-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	12
EMP-MTD-VACATION-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	08
EMP-MTD-WEEKS-WORKED	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	24
EMP-MULTIPLE-POSITION-CODE	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	08
EMP-NAME-FIRST-NAME-FIRST	EMP-COMMON-INFORMATION-REC	M2A10A	02
EMP-NAME-FIRST-NAME-FIRST	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	20
EMP-NAME-LAST-NAME-FIRST	EMP-COMMON-INFORMATION-REC	M2A10A	01

Item	Logical Record	Record ID	Position Indicator
EMP-NAME-LAST-NAME-FIRST	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	21
EMP-NDFR-BENEFICIARY-CODE	EMP-NDFR-PLAN-RECORD	M6K40A	06
EMP-NDFR-COVERAGE-AMOUNT-1	EMP-NDFR-PLAN-RECORD	M6K40A	21
EMP-NDFR-COVERAGE-AMOUNT-2	EMP-NDFR-PLAN-RECORD	M6K40A	22
EMP-NDFR-COVERAGE-AMOUNT-3	EMP-NDFR-PLAN-RECORD	M6K40A	23
EMP-NDFR-COVERAGE-AMOUNT-4	EMP-NDFR-PLAN-RECORD	M6K40A	24
EMP-NDFR-COVERAGE-AMOUNT-5	EMP-NDFR-PLAN-RECORD	M6K40A	25
EMP-NDFR-CVRG-AMT-FMT-CODE-1	EMP-NDFR-PLAN-RECORD	M6K40A	16
EMP-NDFR-CVRG-AMT-FMT-CODE-2	EMP-NDFR-PLAN-RECORD	M6K40A	17
EMP-NDFR-CVRG-AMT-FMT-CODE-3	EMP-NDFR-PLAN-RECORD	M6K40A	18
EMP-NDFR-CVRG-AMT-FMT-CODE-4	EMP-NDFR-PLAN-RECORD	M6K40A	19
EMP-NDFR-CVRG-AMT-FMT-CODE-5	EMP-NDFR-PLAN-RECORD	M6K40A	20
EMP-NDFR-CVRG-AMT-TYPE-CD-1	EMP-NDFR-PLAN-RECORD	M6K40A	11
EMP-NDFR-CVRG-AMT-TYPE-CD-2	EMP-NDFR-PLAN-RECORD	M6K40A	12
EMP-NDFR-CVRG-AMT-TYPE-CD-3	EMP-NDFR-PLAN-RECORD	M6K40A	13
EMP-NDFR-CVRG-AMT-TYPE-CD-4	EMP-NDFR-PLAN-RECORD	M6K40A	14
EMP-NDFR-CVRG-AMT-TYPE-CD-5	EMP-NDFR-PLAN-RECORD	M6K40A	15
EMP-NDFR-DOC-LAST-SENT-DATE	EMP-NDFR-PLAN-RECORD	M6K40A	09
EMP-NDFR-DOCUMENT-ID	EMP-NDFR-PLAN-RECORD	M6K40A	08
EMP-NDFR-DOC-WARN-DCR-CNT	EMP-NDFR-PLAN-RECORD	M6K40A	10
EMP-NDFR-ERISA-EVENT-IND-1	EMP-NDFR-PLAN-RECORD	M6K40A	26
EMP-NDFR-ERISA-EVENT-IND-2	EMP-NDFR-PLAN-RECORD	M6K40A	27
EMP-NDFR-ERISA-EVENT-IND-3	EMP-NDFR-PLAN-RECORD	M6K40A	28
EMP-NDFR-ERISA-EVENT-IND-4	EMP-NDFR-PLAN-RECORD	M6K40A	29
EMP-NDFR-ERISA-EVENT-IND-5	EMP-NDFR-PLAN-RECORD	M6K40A	30
EMP-NDFR-MEMBERSHIP-NUMBER	EMP-NDFR-PLAN-RECORD	M6K40A	05
EMP-NDFR-MULT-BENEFIT-OPTION	EMP-NDFR-PLAN-RECORD	M6K40A	07
EMP-NDFR-PLAN-ID	EMP-NDFR-PLAN-ID-RECORD	M6K60A	01
EMP-NDFR-PLAN-ID	EMP-NDFR-PLAN-RECORD	M6K40A	01
EMP-NDFR-PTCP-BEGIN-DATE	EMP-NDFR-PLAN-RECORD	M6K40A	03
EMP-NDFR-PTCP-END-DATE	EMP-NDFR-PLAN-RECORD	M6K40A	04
EMP-NDFR-PTCP-STATUS-CODE	EMP-NDFR-PLAN-RECORD	M6K40A	02
EMP-NEXT-PERF-REVIEW-DATE	EMP-PERFORMANCE-REVIEW-REC	M6D10A	05

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EMP-NEXT-PHYSICAL-EXAM-DATE	EMP-GENERAL-HEALTH-RECORD	M6H20A	05
EMP-NEXT-SALARY-REVIEW-DATE	EMP-SALARY-CHANGE-RECORD	M6E10A	06
EMP-NO-FEDERAL-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	03
EMP-NORMAL-HOURS	EMP-NORMAL-PAY-INFO-RECORD	M2A20A	02
EMP-NUMBER	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	19
EMP-NUMBER-CITY-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	46
EMP-NUMBER-COUNTY-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	39
EMP-NUMBER-OF-CHILDREN	EMP-CHILD-INFORMATION-RECORD	M6H10A	04
EMP-NUMBER-OF-DEPENDENTS	EMP-BEN-DISCRIMINATION-REC	M6R20U	07
EMP-NUMBER-STATE-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	10
EMP-OCCUP-HIGH-SALARY-RANGE	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	03
EMP-OCCUP-LOW-SALARY-RANGE	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	02
EMP-OFCCP-DISABILITY-DATE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	15
EMP-OFCCP-DISABILITY-IND	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	14
EMP-OFFICE-PHONE-EXTENSION	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	07
EMP-OFFICE-TELEPHONE-NUMBER	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	06
EMP-OPT-HIGHLY-COMP-CODE-1	EMP-BEN-DISCRIMINATION-REC	M6R20U	11
EMP-OPT-HIGHLY-COMP-CODE-2	EMP-BEN-DISCRIMINATION-REC	M6R20U	12
EMP-OPT-HIGHLY-COMP-CODE-3	EMP-BEN-DISCRIMINATION-REC	M6R20U	13
EMP-OPT-HIGHLY-COMP-CODE-4	EMP-BEN-DISCRIMINATION-REC	M6R20U	14
EMP-OPT-HIGHLY-COMP-CODE-5	EMP-BEN-DISCRIMINATION-REC	M6R20U	15
EMP-ORG-DOE-STEP-WAGE-10-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	22
EMP-ORG-DOE-STEP-WAGE-1-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	13
EMP-ORG-DOE-STEP-WAGE-2-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	14
EMP-ORG-DOE-STEP-WAGE-3-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	15
EMP-ORG-DOE-STEP-WAGE-4-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	16
EMP-ORG-DOE-STEP-WAGE-5-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	17
EMP-ORG-DOE-STEP-WAGE-6-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	18
EMP-ORG-DOE-STEP-WAGE-7-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	19
EMP-ORG-DOE-STEP-WAGE-8-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	20
EMP-ORG-DOE-STEP-WAGE-9-DEF	EMP-DOE-INFORMATION-RECORD	M2H10A	21
EMP-ORG-SPECIAL-HOURS-DESC	EMP-HOURS-ACCUMULATORS-REC	M2G10A	14
EMP-PAID-OTHER-HRS-CARR-FWD	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	16

Item	Logical Record	Record ID	Position Indicator
EMP-PAID-THRU-BANK-ID	EMP-BANK-INFORMATION-RECORD	M2D20A	02
EMP-PAY-CODE	EMP-COMMON-INFORMATION-REC	M2A10A	08
EMP-PAY-FREQUENCY	EMP-COMMON-INFORMATION-REC	M2A10A	07
EMP-PAYMENT-FORM-IND	EMP-CHECK-INFO-AND-EMAIL-REC	M2D10A	06
EMP-PAYROLL-EEOC-CODE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	04
EMP-PENSION-CONTRIBUTION-AMT	EMP-RETIREMENT-INFO-RECORD	M6C20A	03
EMP-PENSION-ELIGIBLE-DATE	EMP-RETIREMENT-INFO-RECORD	M6C20A	04
EMP-PENSION-PLAN-CODE	EMP-RETIREMENT-INFO-RECORD	M6C20A	01
EMP-PENSION-PLAN-TYPE	EMP-RETIREMENT-INFO-RECORD	M6C20A	02
EMP-PERCENT-TIME-EMPLOYED	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	02
EMP-PERFORMANCE-REVIEW-DATE	EMP-PERFORMANCE-REVIEW-REC	M6D10A	01
EMP-PERFORMANCE-REVIEW-JOB	EMP-PERFORMANCE-REVIEW-REC	M6D10A	04
EMP-PERF-REVIEW-RATING	EMP-PERFORMANCE-REVIEW-REC	M6D10A	03
EMP-PERF-REVIEW-SUPERVISOR	EMP-PERFORMANCE-REVIEW-REC	M6D10A	02
EMP-PERIOD-ADJ-LABOR-IND	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	10
EMP-PERM-ADVANCE-DUE-DATE	EMP-PROPERTY-INFO-RECORD	M6C30A	12
EMP-PERMANENT-ADVANCE-AMT	EMP-PROPERTY-INFO-RECORD	M6C30A	11
EMP-PERS-LAST-MAINT-DATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	08
EMP-PERS-PD-OTH-HOURS-AVAIL	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	12
EMP-PERS-SICK-HOURS-AVAIL	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	01
EMP-PERS-TERMINATION-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	10
EMP-PERS-VAC-HOURS-AVAILABLE	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	06
EMP-PHONE-EXTENSION	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	18
EMP-PHONE-ID	EMPE-GENL-PAYROLL-INFO-2-REC	M2A50A	16
EMP-PHONE-NUMBER	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	17
EMP-PHYSICAL-RESTRICTIONS	EMP-GENERAL-HEALTH-RECORD	M6H20A	06
EMP-PLAN-COVG-BEGIN-DATE	EMP-PLAN-RECORD	M2AD1A	02
EMP-PLAN-COVG-END-DATE	EMP-PLAN-RECORD	M2AD1A	03
EMP-PLAN-COVG-TYPE	EMP-PLAN-RECORD	M2AD1A	05
EMP-PLAN-ID	EMP-PLAN-RECORD	M2AD1A	01
EMP-PLAN-STATUS	EMP-PLAN-RECORD	M2AD1A	04
EMP-PLAN-USER-FLD-1	EMP-PLAN-RECORD	M2AD1A	06
EMP-PLAN-USER-FLD-2	EMP-PLAN-RECORD	M2AD1A	07

Item	Logical Record	Record ID	Position Indicator
EMP-POSITION-LAYOFF-DATE	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	03
EMP-POSITION-NUMBER	EMP-GENERAL-PERS-INFO-1-REC	M6J10A	04
EMP-PREPAY-CHECK-NUMBER	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	27
EMP-PRESENT-JOB-POS-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	01
EMP-PREV-EEO-OCCUPATION-CAT	EMP-TRANSFER-INFORMATION-REC	M6G10A	13
EMP-PREV-EMPLMT-SERVICE-LGTH	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	09
EMP-PREV-EMPLMT-TERM-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	07
EMP-PREV-EMPLMT-TERM-REASON	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	08
EMP-PREV-FEDERAL-JOB-CODE	EMP-TRANSFER-INFORMATION-REC	M6G10A	12
EMP-PREVIOUS-JOB-LOCATION	EMP-TRANSFER-INFORMATION-REC	M6G10A	08
EMP-PREVIOUS-JOB-NUMBER	EMP-TRANSFER-INFORMATION-REC	M6G10A	09
EMP-PREVIOUS-LEVEL-1	EMP-TRANSFER-INFORMATION-REC	M6G10A	01
EMP-PREVIOUS-LEVEL-2	EMP-TRANSFER-INFORMATION-REC	M6G10A	02
EMP-PREVIOUS-LEVEL-3	EMP-TRANSFER-INFORMATION-REC	M6G10A	03
EMP-PREVIOUS-LEVEL-4	EMP-TRANSFER-INFORMATION-REC	M6G10A	04
EMP-PREVIOUS-LEVEL-5	EMP-TRANSFER-INFORMATION-REC	M6G10A	05
EMP-PREVIOUS-LEVEL-6	EMP-TRANSFER-INFORMATION-REC	M6G10A	06
EMP-PREVIOUS-LEVEL-7	EMP-TRANSFER-INFORMATION-REC	M6G10A	07
EMP-PREV-SERVICE-HIRE-DATE	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	06
EMP-PREV-YEAR-ANNUAL-EARN	EMP-CONF-ANNUAL-SALARY-REC	M6J60A	03
EMP-PRFT-SHR-ELIGIBLE-SALARY	EMP-RETIREMENT-INFO-RECORD	M6C20A	07
EMP-PRIOR-YEAR-ACCUM-HOURS	EMP-BEN-SECTION-89-ACCUM-REC	M6R10U	04
EMP-PRIOR-YEAR-CO-OWN-PCT	EMP-BEN-DISCRIMINATION-REC	M6R20U	04
EMP-PRIOR-YEAR-OFFICER-IND	EMP-BEN-DISCRIMINATION-REC	M6R20U	06
EMP-PRIOR-YR-ACCUM-EARN-AMT	EMP-BEN-SECTION-89-ACCUM-REC	M6R10U	02
EMP-PROFILE-1-UPDATE-DATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	22
EMP-PROFILE-2-UPDATE-DATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	23
EMP-PROFILE-3-UPDATE-DATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	24
EMP-PROFIT-SHARING-PLAN-CODE	EMP-RETIREMENT-INFO-RECORD	M6C20A	05
EMP-PROFIT-SHARING-PLAN-TYPE	EMP-RETIREMENT-INFO-RECORD	M6C20A	06
EMP-PROFIT-SHR-ELIGIBLE-DATE	EMP-RETIREMENT-INFO-RECORD	M6C20A	08
EMP-PROMOTION-READINESS-IND	EMP-PERFORMANCE-REVIEW-REC	M6D10A	06
EMP-PROVINCE-EXMPT-ALLOWANCE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	08

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EMP-PROVINCIAL-TAX-AUTHORITY	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	06
EMP-PROVINCIAL-TAX-METHOD	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	07
EMP-QHC-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	26
EMP-QPIP-ADJUST-FLAG	EMP-EI-QPIP-INS-EARN-REC	M4A10C	16
EMP-QPIP-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	25
EMP-QPIP-INSRBL-EARNINGS-AMT	EMP-EI-QPIP-INS-EARN-REC	M4A10C	14
EMP-QPIP-INSURABLE-HOURS	EMP-EI-QPIP-INS-EARN-REC	M4A10C	15
EMP-QPIP-PERIOD-END-DATE	EMP-EI-QPIP-INS-EARN-REC	M4A10C	13
EMP-QPP-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	14
EMP-QTD-CPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	07
EMP-QTD-CPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	07
EMP-QTD-DOE-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	51
EMP-QTD-DOE-SPECIAL-HOURS	EMP-DOE-INFORMATION-RECORD	M2H10A	55
EMP-QTD-EI-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	15
EMP-QTD-EI-PREMIUM	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	11
EMP-QTD-EI-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	11
EMP-QTD-EMPLOYEE-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	17
EMP-QTD-EMPLOYEE-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	07
EMP-QTD-EMPLOYER-FUI-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	31
EMP-QTD-EMPLOYER-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	27
EMP-QTD-EMPLOYER-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	33
EMP-QTD-EMPLOYER-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	19
EMP-QTD-EMPLOYER-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	23
EMP-QTD-EMPLR-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	23
EMP-QTD-EMPLR-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	29
EMP-QTD-EMPLR-MQGE-TIP-CRED	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	15
EMP-QTD-EMPLR-SS-MED-TIP-CR	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	11
EMP-QTD-FEDERAL-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	03
EMP-QTD-FEDERAL-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	03
EMP-QTD-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	39
EMP-QTD-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	11
EMP-QTD-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	13
EMP-QTD-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	15

Item	Logical Record	Record ID	Position Indicator
EMP-QTD-MQGE-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	07
EMP-QTD-NET-PAY	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	19
EMP-QTD-OTHER-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	11
EMP-QTD-OTHER-PAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	14
EMP-QTD-OTH-UNPAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	18
EMP-QTD-OVERTIME-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	07
EMP-QTD-OVERTIME-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	07
EMP-QTD-PROVINCIAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	15
EMP-QTD-QC-EI-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	27
EMP-QTD-QPIP-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	35
EMP-QTD-QPIP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	23
EMP-QTD-QPIP-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	31
EMP-QTD-QPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	19
EMP-QTD-QPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	19
EMP-QTD-QUE-MEDICARE-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	23
EMP-QTD-REGULAR-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	03
EMP-QTD-REGULAR-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	03
EMP-QTD-RELV1-PROV-WAGES	EMP-RELV1-REPORTING-RECORD	M3A40C	03
EMP-QTD-RELV1-QUE-INCOME-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	07
EMP-QTD-SALTA-DISABILITY-TAX	EMP-SALTA-RECORD1	M3A10U	21
EMP-QTD-SALTA-EMPLR-FUI-TAX	EMP-SALTA-RECORD2	M3A20U	41
EMP-QTD-SALTA-FUI-WAGES	EMP-SALTA-RECORD2	M3A20U	37
EMP-QTD-SALTA-OTHER-AMT	EMP-SALTA-RECORD2	M3A20U	45
EMP-QTD-SALTA-OVERTIME-EARN	EMP-SALTA-RECORD1	M3A10U	23
EMP-QTD-SALTA-OVERTIME-PREM	EMP-SALTA-RECORD1	M3A10U	25
EMP-QTD-SALTA-SUI-TAX	EMP-SALTA-RECORD2	M3A20U	31
EMP-QTD-SALTA-TAX	EMP-SALTA-RECORD1	M3A10U	09
EMP-QTD-SALTA-TOTAL-EARNINGS	EMP-SALTA-RECORD1	M3A10U	05
EMP-QTD-SALTA-WEEKS-WORKED	EMP-SALTA-RECORD2	M3A20U	26
EMP-QTD-SICK-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	03
EMP-QTD-SPECIAL-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	12
EMP-QTD-SS-MED-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	03
EMP-QTD-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	07

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EMP-QTD-T4-FEDERAL-TAX	EMP-T4-REPORTING-RECORD	M3A20C	08
EMP-QTD-T4-PROV-TAX	EMP-T4-REPORTING-RECORD	M3A20C	36
EMP-QTD-T4-TOT-FED-EARNINGS	EMP-T4-REPORTING-RECORD	M3A20C	04
EMP-QTD-TAXABLE-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	17
EMP-QTD-TIMES-PAID	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	22
EMP-QTD-TOTAL-DEDUCTIONS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	15
EMP-QTD-TOTAL-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	13
EMP-QTD-VACATION-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	09
EMP-QTD-WEEKS-WORKED	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	25
EMP-QUEBEC-MEDICARE-IND	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	15
EMP-RATE-SALARY-CHANGE-DATE	EMP-GENL-PAYROLL-INFO-1-REC	M2A80A	03
EMP-RECALLABLE-LEVEL-3	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	06
EMP-RECALLABLE-LEVEL-4	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	07
EMP-RECALLABLE-LEVEL-5	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	08
EMP-RECALL-POSITION-NUMBER	EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	04
EMP-RECOMMENDED-JOB-NUMBER-1	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	12
EMP-RECOMMENDED-JOB-NUMBER-2	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	13
EMP-RECOMMENDED-JOB-NUMBER-3	EMP-GENERAL-PERS-INFO-2-REC	M6J40A	14
EMP-RECORD-CHANGE-DATE	EMP-COMMON-INFORMATION-REC	M2A10A	13
EMP-REHIRE-CONSIDERATION-IND	EMP-PERS-SERVICE-INFO-RECORD	M6J20A	12
EMP-RELIGIOUS-PREFERENCE-IND	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	10
EMP-RELV1- QPIP-INS-WGS	EMP-RELV1-REPORTING-RECORD	M3A40C	58
EMP-RELV1- QPIP-MTD-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	56
EMP-RELV1- QPIP-YTD-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	57
EMP-RELV1-CHARITABLE-DOE-1	EMP-RELV1-REPORTING-RECORD	M3A40C	47
EMP-RELV1-CHARITABLE-DOE-2	EMP-RELV1-REPORTING-RECORD	M3A40C	48
EMP-RELV1-CHARITABLE-DOE-3	EMP-RELV1-REPORTING-RECORD	M3A40C	49
EMP-RELV1-CHRT-DONATION	EMP-RELV1-REPORTING-RECORD	M3A40C	19
EMP-RELV1-COMMISSION-AMT	EMP-RELV1-REPORTING-RECORD	M3A40C	22
EMP-RELV1-FOOTNOTE-DOE-CD-1	EMP-RELV1-REPORTING-RECORD	M3A40C	50
EMP-RELV1-FOOTNOTE-DOE-CD-2	EMP-RELV1-REPORTING-RECORD	M3A40C	51
EMP-RELV1-FOOTNOTE-DOE-CD-3	EMP-RELV1-REPORTING-RECORD	M3A40C	52
EMP-RELV1-HOUSING	EMP-RELV1-REPORTING-RECORD	M3A40C	26

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EMP-RELV1-JNT-COMMITTEE-DOE	EMP-RELV1-REPORTING-RECORD	M3A40C	39
EMP-RELV1-LOW-FREE-INT-LOAN	EMP-RELV1-REPORTING-RECORD	M3A40C	29
EMP-RELV1-MEDICAL-TRAVEL-AMT	EMP-RELV1-REPORTING-RECORD	M3A40C	35
EMP-RELV1-OTHER-COMMISSION	EMP-RELV1-REPORTING-RECORD	M3A40C	25
EMP-RELV1-OTHER-INCOME	EMP-RELV1-REPORTING-RECORD	M3A40C	23
EMP-RELV1-OTHER-TRAVEL-AMT	EMP-RELV1-REPORTING-RECORD	M3A40C	36
EMP-RELV1-OTH-INCOME-DOE-CD	EMP-RELV1-REPORTING-RECORD	M3A40C	40
EMP-RELV1-OTH-TAXBL-BEN-AMT	EMP-RELV1-REPORTING-RECORD	M3A40C	30
EMP-RELV1-PARITY-TOTAL	EMP-RELV1-REPORTING-RECORD	M3A40C	21
EMP-RELV1-PATRONAGE-DONATION	EMP-RELV1-REPORTING-RECORD	M3A40C	24
EMP-RELV1-PRIV-HEALTH-INS	EMP-RELV1-REPORTING-RECORD	M3A40C	37
EMP-RELV1-QPIP-CUR-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	55
EMP-RELV1-QPP-WAGES	EMP-RELV1-REPORTING-RECORD	M3A40C	11
EMP-RELV1-RETIRING-ALLOW	EMP-RELV1-REPORTING-RECORD	M3A40C	33
EMP-RELV1-RPP-CONTRIBUTION	EMP-RELV1-REPORTING-RECORD	M3A40C	18
EMP-RELV1-RPP-DOE-CODE-1	EMP-RELV1-REPORTING-RECORD	M3A40C	44
EMP-RELV1-RPP-DOE-CODE-2	EMP-RELV1-REPORTING-RECORD	M3A40C	45
EMP-RELV1-RPP-DOE-CODE-3	EMP-RELV1-REPORTING-RECORD	M3A40C	46
EMP-RELV1-UNION-DOE-CODE-1	EMP-RELV1-REPORTING-RECORD	M3A40C	41
EMP-RELV1-UNION-DOE-CODE-2	EMP-RELV1-REPORTING-RECORD	M3A40C	42
EMP-RELV1-UNION-DOE-CODE-3	EMP-RELV1-REPORTING-RECORD	M3A40C	43
EMP-RELV1-UNION-DUES-AMT	EMP-RELV1-REPORTING-RECORD	M3A40C	20
EMP-RELV1-UNION-DUES-JNT-CMT	EMP-RELV1-REPORTING-RECORD	M3A40C	32
EMP-RELV1-USE-OF-EMPLR-AUTO	EMP-RELV1-REPORTING-RECORD	M3A40C	28
EMP-RELV2-AMT-DEEMED-RECEIVE	EMP-RELV2-REPORTING-RECORD	M3A50C	09
EMP-RELV2-ANNUITY	EMP-RELV2-REPORTING-RECORD	M3A50C	06
EMP-RELV2-CONTRIB-OVPYMT	EMP-RELV2-REPORTING-RECORD	M3A50C	10
EMP-RELV2-DEATH-REFUND	EMP-RELV2-REPORTING-RECORD	M3A50C	08
EMP-RELV2-DEREGSTR-RECEIVED	EMP-RELV2-REPORTING-RECORD	M3A50C	11
EMP-RELV2-FOOTNOTE-DOE-1	EMP-RELV2-REPORTING-RECORD	M3A50C	14
EMP-RELV2-FOOTNOTE-DOE-2	EMP-RELV2-REPORTING-RECORD	M3A50C	15
EMP-RELV2-FOOTNOTE-DOE-3	EMP-RELV2-REPORTING-RECORD	M3A50C	16
EMP-RELV2-INCOME-AVG-ANNUITY	EMP-RELV2-REPORTING-RECORD	M3A50C	07

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EMP-RELV2-INELGB-INVESTMENT	EMP-RELV2-REPORTING-RECORD	M3A50C	12
EMP-RELV2-LUMP-SUM-PYMT-AFT	EMP-RELV2-REPORTING-RECORD	M3A50C	05
EMP-RELV2-LUMP-SUM-PYMT-BFOR	EMP-RELV2-REPORTING-RECORD	M3A50C	04
EMP-RELV2-OTHER-INCOME-DED	EMP-RELV2-REPORTING-RECORD	M3A50C	13
EMP-RELV2-PENSION-AMT	EMP-RELV2-REPORTING-RECORD	M3A50C	03
EMP-RESIDENCE-TYPE-IND	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	03
EMP-RESIDENT-CITY-CODE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	04
EMP-RESIDENT-COUNTY-CODE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	05
EMP-RESIDENT-PROVINCE-CODE	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	11
EMP-RESIDENT-STATE-CODE	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	31
EMP-SALARY	EMP-NORMAL-PAY-INFO-RECORD	M2A20A	03
EMP-SALARY-CHANGE-JOB	EMP-SALARY-CHANGE-RECORD	M6E10A	05
EMP-SALARY-CHANGE-PERCENTAGE	EMP-SALARY-CHANGE-RECORD	M6E10A	03
EMP-SALARY-CHANGE-REASON	EMP-SALARY-CHANGE-RECORD	M6E10A	04
EMP-SALARY-INCREASE-AMT	EMP-SALARY-CHANGE-RECORD	M6E10A	02
EMP-SALARY-INCREASE-EFF-DATE	EMP-SALARY-CHANGE-RECORD	M6E10A	01
EMP-SALARY-RANGE-GRADE-CODE	EMP-POS-RELATED-SALARY-REC	M6J70A	02
EMP-SALARY-RANGE-STEP-CODE	EMP-POS-RELATED-SALARY-REC	M6J70A	03
EMP-SALARY-SPECIFICATION	EMP-POS-RELATED-SALARY-REC	M6J70A	01
EMP-SALARY-SPLIT-10-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	47
EMP-SALARY-SPLIT-10-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	48
EMP-SALARY-SPLIT-10-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	49
EMP-SALARY-SPLIT-10-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	46
EMP-SALARY-SPLIT-1-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	02
EMP-SALARY-SPLIT-1-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	03
EMP-SALARY-SPLIT-1-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	04
EMP-SALARY-SPLIT-1-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	01
EMP-SALARY-SPLIT-2-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	07
EMP-SALARY-SPLIT-2-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	08
EMP-SALARY-SPLIT-2-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	09
EMP-SALARY-SPLIT-2-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	06
EMP-SALARY-SPLIT-3-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	12
EMP-SALARY-SPLIT-3-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	13

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EMP-SALARY-SPLIT-3-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	14
EMP-SALARY-SPLIT-3-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	11
EMP-SALARY-SPLIT-4-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	17
EMP-SALARY-SPLIT-4-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	18
EMP-SALARY-SPLIT-4-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	19
EMP-SALARY-SPLIT-4-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	16
EMP-SALARY-SPLIT-5-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	22
EMP-SALARY-SPLIT-5-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	23
EMP-SALARY-SPLIT-5-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	24
EMP-SALARY-SPLIT-5-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	21
EMP-SALARY-SPLIT-6-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	27
EMP-SALARY-SPLIT-6-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	28
EMP-SALARY-SPLIT-6-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	29
EMP-SALARY-SPLIT-6-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	26
EMP-SALARY-SPLIT-7-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	32
EMP-SALARY-SPLIT-7-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	33
EMP-SALARY-SPLIT-7-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	34
EMP-SALARY-SPLIT-7-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	31
EMP-SALARY-SPLIT-8-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	37
EMP-SALARY-SPLIT-8-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	38
EMP-SALARY-SPLIT-8-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	39
EMP-SALARY-SPLIT-8-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	36
EMP-SALARY-SPLIT-9-LEVEL-3	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	42
EMP-SALARY-SPLIT-9-LEVEL-4	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	43
EMP-SALARY-SPLIT-9-LEVEL-5	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	44
EMP-SALARY-SPLIT-9-PCT	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	41
EMP-SALTA-ESTABLISHMENT-CODE	EMP-SALTA-RECORD2	M3A20U	28
EMP-SALTA-TYPE	EMP-SALTA-RECORD1	M3A10U	01
EMP-SEASONAL-INDICATOR	EMP-BEN-DISCRIMINATION-REC	M6R20U	10
EMP-SECTOR-ASSIGNMENT-CODE	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	04
EMP-SENIORITY-GROUP-CODE	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	03
EMP-SEX-CODE	EMP-COMMON-INFORMATION-REC	M2A10A	10
EMP-SHIFT-CODE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	05

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EMP-SICK-HOURS-ACCRUAL-CODE	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	05
EMP-SICK-HOURS-AVAILABLE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	12
EMP-SICK-HOURS-CARR-FORWARD	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	05
EMP-SKILL-EXPERIENCE-YEARS	EMP-SKILLS-INFORMATION-REC	M6F10A	03
EMP-SKILL-FUNCTION-CODE	EMP-SKILLS-INFORMATION-REC	M6F10A	01
EMP-SKILL-LOCATION-IND	EMP-SKILLS-INFORMATION-REC	M6F10A	07
EMP-SKILL-PROFICIENCY-IND	EMP-SKILLS-INFORMATION-REC	M6F10A	04
EMP-SKILL-SUBFUNCTION-CODE	EMP-SKILLS-INFORMATION-REC	M6F10A	02
EMP-SKILL-SUPERVISORY-IND	EMP-SKILLS-INFORMATION-REC	M6F10A	06
EMP-SKILL-YEAR-LAST-USED	EMP-SKILLS-INFORMATION-REC	M6F10A	05
EMP-SOCIAL-SECURITY-NUMBER	EMP-COMMON-INFORMATION-REC	M2A10A	03
EMP-SOFT-MONEY-IND	EMP-EEO-INFORMATION-RECORD	M6J50A	09
EMP-SPECIAL-HOURS-CODE	EMP-HOURS-ACCUMULATORS-REC	M2G10A	09
EMP-SPECIAL-TAX-HANDLING-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	33
EMP-SPLIT-10-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	50
EMP-SPLIT-1-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	05
EMP-SPLIT-2-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	10
EMP-SPLIT-3-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	15
EMP-SPLIT-4-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	20
EMP-SPLIT-5-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	25
EMP-SPLIT-6-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	30
EMP-SPLIT-7-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	35
EMP-SPLIT-8-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	40
EMP-SPLIT-9-EXTENDED-DISTR	EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	45
EMP-SPO-EMPLD-SAME-ORG-IND	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	01
EMP-SPOUSE-BIRTHDATE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	14
EMP-SPOUSE-DEATH-DATE	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	02
EMP-SPOUSE-EMPLR-CVRG-IND	EMP-BEN-DISCRIMINATION-REC	M6R20U	08
EMP-SPOUSE-NAME	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	12
EMP-SPOUSE-SEX-CODE	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	13
EMP-SPOUSE-SSN	EMP-GENERAL-PERS-INFO-3-REC	M6A10A	15
EMP-SS-1ST-FWD-PROJ-AGE-MO	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	16
EMP-SS-1ST-FWD-PROJ-AGE-YR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	12

Item	Logical Record	Record ID	Position Indicator
EMP-SS-1ST-RETIREMENT-MFB	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	05
EMP-SS-1ST-RETIREMENT-PIA	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	02
EMP-SS-1ST-RET-PYMT-AGE-MO	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	14
EMP-SS-1ST-RET-PYMT-AGE-YR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	10
EMP-SS-2ND-FWD-PROJ-AGE-MO	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	17
EMP-SS-2ND-FWD-PROJ-AGE-YR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	13
EMP-SS-2ND-RETIREMENT-MFB	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	06
EMP-SS-2ND-RETIREMENT-PIA	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	03
EMP-SS-2ND-RET-PYMT-AGE-MO	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	15
EMP-SS-2ND-RET-PYMT-AGE-YR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	11
EMP-SS-BACKWARD-PROJ-AGE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	07
EMP-SS-BACKWARD-PROJ-FACTOR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	06
EMP-SS-BACKWARD-PROJ-OPTION	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	05
EMP-SS-CALC-AS-OF-DATE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	01
EMP-SS-CALCULATION-ERROR-IND	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	07
EMP-SS-CALCULATION-TYPE-CODE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	02
EMP-SS-CURRENT-PAY-RULE-CODE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	04
EMP-SS-DISABILITY-DEATH-MFB	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	04
EMP-SS-DISABILITY-DEATH-PIA	EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	01
EMP-SS-EVENT-DATE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	18
EMP-SS-FORWARD-PROJ-FACTOR	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	09
EMP-SS-FORWARD-PROJ-OPTION	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	08
EMP-SS-LAW-EFFECTIVE-DATE	EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	03
EMP-STATE-COUNTY-CITY-CODE	EMP-SALTA-RECORD1	M3A10U	02
EMP-STATE-EXMPT-ALLOWANCE	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	13
EMP-STATE-MARITAL-STATUS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	09
EMP-STATE-TAX-METHOD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	08
EMP-STATE-W4-EXEMPTIONS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	56
EMP-STATE-W4-MARITAL-STATUS	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	55
EMP-STATE-W4-ST-CODE	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	53
EMP-STATE-W4-TAX-HANDLE-IND	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	59
EMP-STATE-W4-TAX-METHOD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	54
EMP-STATE-W4-WHOLD-AMT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	58

Item	Logical Record	Record ID	Position Indicator
EMP-STATE-W4-WHOLD-PCT	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	57
EMP-STATE-W4-YEAR	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	60
EMP-STATUS-1-IND	EMP-COMMON-INFORMATION-REC	M2A10A	09
EMP-STATUS-2-IND	EMP-GENL-PAYROLL-INFO-1-REC	M2A80A	02
EMP-STEP-DOE-SOURCE-IND	EMP-DOE-INFORMATION-RECORD	M2H10A	48
EMP-STOCK-PLAN-AMT	EMP-RETIREMENT-INFO-RECORD	M6C20A	11
EMP-STOCK-PLAN-CODE	EMP-RETIREMENT-INFO-RECORD	M6C20A	09
EMP-STOCK-PLAN-TYPE	EMP-RETIREMENT-INFO-RECORD	M6C20A	10
EMP-SUP-ADDR-LINE-1	EMP-SUP-ADDR-RECORD	M2AD4A	01
EMP-SUP-ADDR-LINE-2	EMP-SUP-ADDR-RECORD	M2AD4A	02
EMP-SUP-ADDR-TYPE	EMP-SUP-ADDR-RECORD	M2AD4A	07
EMP-SUP-CITY	EMP-SUP-ADDR-RECORD	M2AD4A	03
EMP-SUP-CNTRY-CODE	EMP-SUP-ADDR-RECORD	M2AD4A	06
EMP-SUP-STATE-PROV	EMP-SUP-ADDR-RECORD	M2AD4A	04
EMP-SUP-ZIP-POSTAL	EMP-SUP-ADDR-RECORD	M2AD4A	05
EMP-T4-ACCUMULATOR-CODE	EMP-T4-REPORTING-RECORD	M3A20C	01
EMP-T4-CHARITABLE-DOE-1	EMP-T4-REPORTING-RECORD	M3A20C	44
EMP-T4-CHARITABLE-DOE-2	EMP-T4-REPORTING-RECORD	M3A20C	45
EMP-T4-CHARITABLE-DOE-3	EMP-T4-REPORTING-RECORD	M3A20C	46
EMP-T4-CHARITABLE-DONATIONS	EMP-T4-REPORTING-RECORD	M3A20C	22
EMP-T4-COMMISSION-AMT	EMP-T4-REPORTING-RECORD	M3A20C	25
EMP-T4-CPP-CONTRIB-EARNINGS	EMP-T4-REPORTING-RECORD	M3A20C	10
EMP-T4-EI-INSURABLE-EARN	EMP-T4-REPORTING-RECORD	M3A20C	17
EMP-T4-ELGB-RETIRING-ALLOW	EMP-T4-REPORTING-RECORD	M3A20C	44
EMP-T4-FOOTNOTE-DOE-CD-1	EMP-T4-REPORTING-RECORD	M3A20C	47
EMP-T4-FOOTNOTE-DOE-CD-2	EMP-T4-REPORTING-RECORD	M3A20C	48
EMP-T4-FOOTNOTE-DOE-CD-3	EMP-T4-REPORTING-RECORD	M3A20C	49
EMP-T4-HOUSING	EMP-T4-REPORTING-RECORD	M3A20C	26
EMP-T4-LOW-FREE-INT-LOAN	EMP-T4-REPORTING-RECORD	M3A20C	29
EMP-T4-MEDICL-OTH-TRAVEL-AMT	EMP-T4-REPORTING-RECORD	M3A20C	32
EMP-T4-NOELGB-RETIRING-ALLOW	EMP-T4-REPORTING-RECORD	M3A20C	43
EMP-T4-OTHER-TAXABLE-BEN-AMT	EMP-T4-REPORTING-RECORD	M3A20C	30
EMP-T4-PENSION-ADJUSTMENT	EMP-T4-REPORTING-RECORD	M3A20C	16

Item	Logical Record	Record ID	Position Indicator
EMP-T4-QPIP-CUR-TAX	EMP-T4-REPORTING-RECORD	M3A20C	39
EMP-T4-QPIP-INS-WGS	EMP-T4-REPORTING-RECORD	M3A20C	42
EMP-T4-QPIP-MTD-TAX	EMP-T4-REPORTING-RECORD	M3A20C	40
EMP-T4-QPIP-YTD-TAX	EMP-T4-REPORTING-RECORD	M3A20C	41
EMP-T4-RPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	21
EMP-T4-RPP-DOE-CODE-1	EMP-T4-REPORTING-RECORD	M3A20C	41
EMP-T4-RPP-DOE-CODE-2	EMP-T4-REPORTING-RECORD	M3A20C	42
EMP-T4-RPP-DOE-CODE-3	EMP-T4-REPORTING-RECORD	M3A20C	43
EMP-T4-STOCK-OPTION-BENEFIT	EMP-T4-REPORTING-RECORD	M3A20C	24
EMP-T4-UNION-DOE-CODE-1	EMP-T4-REPORTING-RECORD	M3A20C	38
EMP-T4-UNION-DOE-CODE-2	EMP-T4-REPORTING-RECORD	M3A20C	39
EMP-T4-UNION-DOE-CODE-3	EMP-T4-REPORTING-RECORD	M3A20C	40
EMP-T4-UNION-DUES-AMT	EMP-T4-REPORTING-RECORD	M3A20C	23
EMP-T4-USE-OF-EMPLR-AUTO	EMP-T4-REPORTING-RECORD	M3A20C	28
EMP-T4A-ACCUMULATOR-CODE	EMP-T4A-REPORTING-RECORD	M3A30C	01
EMP-T4A-ANNUITY	EMP-T4A-REPORTING-RECORD	M3A30C	12
EMP-T4A-CHARITABLE-DOE	EMP-T4A-REPORTING-RECORD	M3A30C	21
EMP-T4A-CHARITABLE-DONATIONS	EMP-T4A-REPORTING-RECORD	M3A30C	16
EMP-T4A-COMMISSION-AMT	EMP-T4A-REPORTING-RECORD	M3A30C	09
EMP-T4A-ELGB-RETIRING-ALLOW	EMP-T4A-REPORTING-RECORD	M3A30C	05
EMP-T4A-FOOTNOTE-DOE-1	EMP-T4A-REPORTING-RECORD	M3A30C	18
EMP-T4A-FOOTNOTE-DOE-2	EMP-T4A-REPORTING-RECORD	M3A30C	19
EMP-T4A-FOOTNOTE-DOE-3	EMP-T4A-REPORTING-RECORD	M3A30C	20
EMP-T4A-INCOME-AVG-ANNUITY	EMP-T4A-REPORTING-RECORD	M3A30C	13
EMP-T4A-LUMP-SUM-PYMT-AFTER	EMP-T4A-REPORTING-RECORD	M3A30C	08
EMP-T4A-LUMP-SUM-PYMT-BEFORE	EMP-T4A-REPORTING-RECORD	M3A30C	07
EMP-T4A-NON-ELGB-RET-ALLOW	EMP-T4A-REPORTING-RECORD	M3A30C	06
EMP-T4A-OTHER-INCOME	EMP-T4A-REPORTING-RECORD	M3A30C	10
EMP-T4A-PAST-SERVICE	EMP-T4A-REPORTING-RECORD	M3A30C	15
EMP-T4A-PATRONAGE-PAYMENTS	EMP-T4A-REPORTING-RECORD	M3A30C	11
EMP-T4A-PENSION-ADJUSTMENT	EMP-T4A-REPORTING-RECORD	M3A30C	14
EMP-T4A-PENSION-AMT	EMP-T4A-REPORTING-RECORD	M3A30C	04
EMP-T4A-RESP-ACCUM-INC	EMP-T4A-REPORTING-RECORD	M3A30C	27

Item	Logical Record	Record ID	Position Indicator
EMP-T4A-RESP-EDUCTN-ASSIST	EMP-T4A-REPORTING-RECORD	M3A30C	28
EMP-T4A-TRNSFR-FUNDS-ALLOW	EMP-T4A-REPORTING-RECORD	M3A30C	17
EMP-TABLED-AMT-IND	EMP-DOE-INFORMATION-RECORD	M2H10A	08
EMP-TABLE-ENTRY-NUMBER	EMP-DOE-INFORMATION-RECORD	M2H10A	07
EMP-TAX-AUTH-SUPPLEMENT-AREA1	EMP-SALTA-RECORD2	M3A20U	33
EMP-TAX-AUTH-SUPPLEMENT-AREA2	EMP-SALTA-RECORD2	M3A20U	34
EMP-TERMINATION-CODE	EMP-EMPLMT-TERM-CODE-RECORD	M2A90U	02
EMP-TERMINATION-DATE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	02
EMP-TIME-ENTRY-TYPE	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	03
EMP-TIME-LOST	EMP-INJURY-INFORMATION-REC	M6I10A	02
EMP-TIME-TRANSACTION-TYPE	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	12
EMP-TOTAL-CURR-CITY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	13
EMP-TOTAL-CURR-COUNTY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	09
EMP-TOTAL-CURR-STATE-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	01
EMP-TOTAL-CURR-SUI-SDI-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	05
EMP-TOTAL-MTD-CITY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	14
EMP-TOTAL-MTD-COUNTY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	10
EMP-TOTAL-MTD-STATE-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	02
EMP-TOTAL-MTD-SUI-SDI-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	06
EMP-TOTAL-QTD-CITY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	15
EMP-TOTAL-QTD-COUNTY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	11
EMP-TOTAL-QTD-STATE-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	03
EMP-TOTAL-QTD-SUI-SDI-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	07
EMP-TOTAL-YEARS-OF-EDUCATION	EMP-EDUCATION-INFO-RECORD	M6B20A	01
EMP-TOTAL-YTD-CITY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	16
EMP-TOTAL-YTD-COUNTY-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	12
EMP-TOTAL-YTD-STATE-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	04
EMP-TOTAL-YTD-SUI-SDI-TAX	EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	08
EMP-TRACK-HIST-SENIORITY-IND	EMP-LR-HIST-SENIORITY-RECORD	M7E10A	01
EMP-TRANSFER-DATE	EMP-TRANSFER-INFORMATION-REC	M6G10A	10
EMP-TRANSFER-REASON-IND	EMP-TRANSFER-INFORMATION-REC	M6G10A	11
EMP-UNION-CODE	EMP-COMMON-INFORMATION-REC	M2A10A	12
EMP-UNION-ID	EMP-LR-UNION-INFO-RECORD	M7B10A	02

Item	Logical Record	Record ID	Position Indicator
EMP-UNION-LOCAL-NUMBER	EMP-LR-UNION-INFO-RECORD	M7B10A	03
EMP-UNION-MEMBERSHIP-DATE	EMP-LR-UNION-INFO-RECORD	M7B10A	05
EMP-UNION-MEMBERSHIP-STAT-CD	EMP-LR-UNION-INFO-RECORD	M7B10A	06
EMP-UNION-OFFICIAL-TYPE-CODE	EMP-LR-UNION-INFO-RECORD	M7B10A	08
EMP-UNION-SUB-LOCAL-NUMBER	EMP-LR-UNION-INFO-RECORD	M7B10A	04
EMP-UNION-TERMINATION-DATE	EMP-LR-UNION-INFO-RECORD	M7B10A	09
EMP-UNPAID-OTH-HRS-CARR-FWD	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	20
EMP-USER-BENEFIT-FIELD-1	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	06
EMP-USER-BENEFIT-FIELD-2	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	07
EMP-USER-BENEFIT-FIELD-3	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	08
EMP-USER-BENEFIT-FIELD-4	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	09
EMP-USER-DATE-1	EMP-USER-DATES-RECORD	M6O10A	01
EMP-USER-DATE-1-IND	EMP-USER-DATES-RECORD	M6O10A	02
EMP-USER-DATE-2	EMP-USER-DATES-RECORD	M6O10A	03
EMP-USER-DATE-2-IND	EMP-USER-DATES-RECORD	M6O10A	04
EMP-USER-PAYROLL-DATA-1	EMP-USER-PAYROLL-RECORD	M5A10A	01
EMP-USER-PAYROLL-DATA-2	EMP-USER-PAYROLL-RECORD	M5A10A	02
EMP-USER-PAYROLL-DATA-3	EMP-USER-PAYROLL-RECORD	M5A10A	03
EMP-USER-PAYROLL-DATA-4	EMP-USER-PAYROLL-RECORD	M5A10A	04
EMP-USER-PAYROLL-DATA-5	EMP-USER-PAYROLL-RECORD	M5A10A	05
EMP-USER-PERSONNEL-DATA-1	EMP-USER-PERSONNEL-1-RECORD	M8A10A	01
EMP-USER-PERSONNEL-DATA-10	EMP-USER-PERSONNEL-2-RECORD	M8B10A	05
EMP-USER-PERSONNEL-DATA-2	EMP-USER-PERSONNEL-1-RECORD	M8A10A	02
EMP-USER-PERSONNEL-DATA-3	EMP-USER-PERSONNEL-1-RECORD	M8A10A	03
EMP-USER-PERSONNEL-DATA-4	EMP-USER-PERSONNEL-1-RECORD	M8A10A	04
EMP-USER-PERSONNEL-DATA-5	EMP-USER-PERSONNEL-1-RECORD	M8A10A	05
EMP-USER-PERSONNEL-DATA-6	EMP-USER-PERSONNEL-2-RECORD	M8B10A	01
EMP-USER-PERSONNEL-DATA-7	EMP-USER-PERSONNEL-2-RECORD	M8B10A	02
EMP-USER-PERSONNEL-DATA-8	EMP-USER-PERSONNEL-2-RECORD	M8B10A	03
EMP-USER-PERSONNEL-DATA-9	EMP-USER-PERSONNEL-2-RECORD	M8B10A	04
EMP-USER-SENIORITY-DATE-1	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	08
EMP-USER-SENIORITY-DATE-2	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	09
EMP-USER-SENIORITY-DATE-3	EMP-LR-CURRENT-SENIORITY-REC	M7A10A	10

Item	Logical Record	Record ID	Position Indicator
EMP-VACATION-ELIGIBLE-DATE	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	07
EMP-VACATION-HOURS-ACCR-CODE	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	04
EMP-VACATION-HOURS-AVAILABLE	EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	11
EMP-VACATION-HOURS-CARR-FWD	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	11
EMP-VEST-TERM-STMT-FMT-CODE	EMP-GENERAL-BEN-INFO-RECORD	M6C40A	11
EMP-VETERANS-STATUS-100	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	07
EMP-VETERANS-STATUS-100A	EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	18
EMP-VIOLATION-DATE	EMP-LR-DISCIPLINE-RECORD	M7C10A	01
EMP-VIOLATION-TYPE-CODE	EMP-LR-DISCIPLINE-RECORD	M7C10A	03
EMP-W-2-ISSUED-IND	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	02
EMP-W-2-PENSION-COVERAGE-IND	EMP-PAYROLL-PROC-IND-RECORD	M2A40A	06
EMP-WEIGHT	EMP-GENERAL-HEALTH-RECORD	M6H20A	02
EMP-WORKER-COMPENSATION-CODE	EMP-COMMON-INFORMATION-REC	M2A10A	11
EMP-WORK-RES-STATE-TAX-MTHD	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	32
EMP-WORK-STATE-CODE	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	14
EMP-W4-FEDERAL-YEAR	EMP-TAX-CONTROL-INFO-RECORD	M2C20U	61
EMP-YTD-CPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	08
EMP-YTD-CPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	08
EMP-YTD-DOE-AMT	EMP-DOE-INFORMATION-RECORD	M2H10A	52
EMP-YTD-DOE-SPECIAL-HOURS	EMP-DOE-INFORMATION-RECORD	M2H10A	56
EMP-YTD-EI-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	16
EMP-YTD-EI-PREMIUM	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	12
EMP-YTD-EI-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	12
EMP-YTD-EMPLOYEE-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	18
EMP-YTD-EMPLOYEE-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	08
EMP-YTD-EMPLOYER-FUI-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	32
EMP-YTD-EMPLOYER-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	28
EMP-YTD-EMPLOYER-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	34
EMP-YTD-EMPLOYER-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	20
EMP-YTD-EMPLOYER-SS-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	24
EMP-YTD-EMPLR-FICA-MED-401K	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	50
EMP-YTD-EMPLR-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	24
EMP-YTD-EMPLR-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	30

Item	Logical Record	Record ID	Position Indicator
EMP-YTD-EMPLR-MQGE-TIP-CRED	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	16
EMP-YTD-EMPLR-SS-MED-TIP-CR	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	12
EMP-YTD-FEDERAL-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	04
EMP-YTD-FEDERAL-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	04
EMP-YTD-FICA-MED-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	48
EMP-YTD-FIT-WAGES-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	44
EMP-YTD-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	40
EMP-YTD-FUI-WAGES-401K-CTRB	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	46
EMP-YTD-MEDICARE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	12
EMP-YTD-MEDICARE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	14
EMP-YTD-MQGE-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	16
EMP-YTD-MQGE-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	08
EMP-YTD-NET-PAY	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	20
EMP-YTD-OTHER-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	12
EMP-YTD-OTHER-PAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	15
EMP-YTD-OTH-UNPAID-HOURS-TK	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	19
EMP-YTD-OVERTIME-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	08
EMP-YTD-OVERTIME-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	08
EMP-YTD-PROVINCIAL-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	16
EMP-YTD-QC-EI-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	28
EMP-YTD-QHC-AMT	EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	28
EMP-YTD-QPIP-INS-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	36
EMP-YTD-QPIP-TOTAL-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	32
EMP-YTD-QPP-TAX	EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	20
EMP-YTD-QPP-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	20
EMP-YTD-QUE-MEDICARE-WAGES	EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	24
EMP-YTD-REGULAR-EARNINGS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	04
EMP-YTD-REGULAR-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	04
EMP-YTD-RELV1-EI-PREMIUM	EMP-RELV1-REPORTING-RECORD	M3A40C	17
EMP-YTD-RELV1-PROV-WAGES	EMP-RELV1-REPORTING-RECORD	M3A40C	04
EMP-YTD-RELV1-QPP-CONTRIB	EMP-RELV1-REPORTING-RECORD	M3A40C	14
EMP-YTD-RELV1-QUE-INCOME-TAX	EMP-RELV1-REPORTING-RECORD	M3A40C	08
EMP-YTD-RELV2-PROVINCIAL-TAX	EMP-RELV2-REPORTING-RECORD	M3A50C	02

Item	Logical Record	Record ID	Position Indicator
EMP-YTD-SALTA-DISABILITY-TAX	EMP-SALTA-RECORD1	M3A10U	22
EMP-YTD-SALTA-EMPLR-FUI-TAX	EMP-SALTA-RECORD2	M3A20U	42
EMP-YTD-SALTA-FUI-WAGES	EMP-SALTA-RECORD2	M3A20U	38
EMP-YTD-SALTA-OTHER-AMT	EMP-SALTA-RECORD2	M3A20U	46
EMP-YTD-SALTA-OVERTIME-EARN	EMP-SALTA-RECORD1	M3A10U	24
EMP-YTD-SALTA-OVERTIME-PREM	EMP-SALTA-RECORD1	M3A10U	26
EMP-YTD-SALTA-SUI-TAX	EMP-SALTA-RECORD2	M3A20U	32
EMP-YTD-SALTA-TAX	EMP-SALTA-RECORD1	M3A10U	10
EMP-YTD-SALTA-TOTAL-EARNINGS	EMP-SALTA-RECORD1	M3A10U	06
EMP-YTD-SALTA-WEEKS-WORKED	EMP-SALTA-RECORD2	M3A10U	27
EMP-YTD-SICK-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	04
EMP-YTD-SPECIAL-HOURS	EMP-HOURS-ACCUMULATORS-REC	M2G10A	13
EMP-YTD-SS-MED-TIPS-AMOUNT	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	04
EMP-YTD-SS-TAX	EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	08
EMP-YTD-T4A-FEDERAL-TAX	EMP-T4A-REPORTING-RECORD	M3A30C	03
EMP-YTD-T4-CPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	13
EMP-YTD-T4-EI-PREMIUM	EMP-T4-REPORTING-RECORD	M3A20C	20
EMP-YTD-T4-FEDERAL-TAX	EMP-T4-REPORTING-RECORD	M3A20C	09
EMP-YTD-T4-PROV-TAX	EMP-T4-REPORTING-RECORD	M3A20C	37
EMP-YTD-T4-QPP-CONTRIBUTION	EMP-T4-REPORTING-RECORD	M3A20C	50
EMP-YTD-T4-TOT-FED-EARNINGS	EMP-T4-REPORTING-RECORD	M3A20C	05
EMP-YTD-TAXABLE-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	18
EMP-YTD-TIMES-PAID	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	23
EMP-YTD-TOTAL-DEDUCTIONS	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	16
EMP-YTD-TOTAL-FUI-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	42
EMP-YTD-TOTAL-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	20
EMP-YTD-TOTAL-SS-MED-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	10
EMP-YTD-TOTAL-SUI-WAGES	EMP-SALTA-RECORD1	M3A10U	14
EMP-YTD-TOT-EMPLR-MQGE-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	36
EMP-YTD-TOT-EMPLR-SSM-WAGES	EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	26
EMP-YTD-UNCOLL-MED-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	20
EMP-YTD-UNCOLL-MQGE-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	22
EMP-YTD-UNCOLL-SS-TIP-TAX	EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	18

Item	Logical Record	Record ID	Position Indicator
EMP-YTD-VACATION-HOURS-TAKEN	EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	10
EMP-YTD-WEEKS-WORKED	EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	26
EMP-ZIP-CODE	EMP-ADDRESS-RECORD	M2A30A	04

Organization Records

Item	Logical Record	Record ID	Position Indicator
ORG-12TH-DY-OR-C-QPP-XMPT-BIWK	ORG-RUN-CONTROL-INFO-RECORD	M1B40A	NA
ORG-12TH-DY-OR-C-QPP-XMPT-S-MO	ORG-RUN-CONTROL-INFO-RECORD	M1B40A	NA
ORG-12TH-DY-OR-C-QPP-XMPT-WKLY	ORG-RUN-CONTROL-INFO-RECORD	M1B40A	NA
ORG-C-QPP-XMPT-MNTH	ORG-RUN-CONTROL-INFO-RECORD	M1B40A	NA
ORG-EEA-BUSINESS-ADDR-LINE-1	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	17
ORG-EEA-BUSINESS-ADDR-LINE-2	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	18
ORG-EEA-BUSINESS-ADDR-LINE-3	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	19
ORG-EEA-BUSINESS-NAME	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	16
ORG-EEA-BUSINESS-POSTAL-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	20
ORG-EEA-CEO-NAME	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	25
ORG-EEA-CEO-TITLE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	26
ORG-EEA-INDST-SCTR-FRE-DESC	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	05
ORG-EEA-INDST-SECTOR-DESC	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	04
ORG-EEA-LANGUAGE-INDICATOR	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	14
ORG-EEA-LEGAL-NAME	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	15
ORG-EEA-MAIL-ADDR-LINE-1	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	21
ORG-EEA-MAIL-ADDR-LINE-2	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	22
ORG-EEA-MAIL-ADDR-LINE-3	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	23
ORG-EEA-MAIL-POSTAL-CODE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	24
ORG-EEA-OCCUP-GROUP-DESC	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	08
ORG-EEA-OCCUP-GROUP-FRE-DESC	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	09
ORG-EEA-PEAK-PERIOD-DATE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	31
ORG-EEA-RESP-OFCR-PHONE-EXTN	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	30
ORG-EEA-RESP-OFCR-PHONE-NBR	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	29
ORG-EEA-RESP-OFFICER-NAME	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	27
ORG-EEA-RESP-OFFICER-TITLE	EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	28
ORG-MAX-ANNUAL-SALARY-AMOUNT	ORG-SALARY-TABLE-RECORD	TJB20A	05
ORG-MAX-HOURLY-SALARY-AMOUNT	ORG-SALARY-TABLE-RECORD	TJB20A	06
ORG-MIDPT-ANNUAL-SALARY-AMT	ORG-SALARY-TABLE-RECORD	TJB20A	03
ORG-MIDPT-HOURLY-SALARY-AMT	ORG-SALARY-TABLE-RECORD	TJB20A	04
ORG-MIN-ANNUAL-SALARY-AMOUNT	ORG-SALARY-TABLE-RECORD	TJB20A	01

Item	Logical Record	Record ID	Position Indicator
ORG-MIN-HOURLY-SALARY-AMOUNT	ORG-SALARY-TABLE-RECORD	TJB20A	02
ORG-SALARY-FORMAT-CODE	ORG-SALARY-SPEC-RECORD	TJB10A	01
ORG-SALARY-SPEC-TITLE	ORG-SALARY-SPEC-RECORD	TJB10A	03
ORG-SALARY-STEP-MAX-TIME-PER	ORG-SALARY-TABLE-RECORD	TJB20A	08
ORG-SALARY-STEP-MIN-TIME-PER	ORG-SALARY-TABLE-RECORD	TJB20A	07
ORG-SALARY-TIME-PERIOD-CODE	ORG-SALARY-SPEC-RECORD	TJB10A	02
ORG-SALARY-VALUES-CODE	ORG-SALARY-SPEC-RECORD	TJB10A	04

Position Control Records

Item	Logical Record	Record ID	Position Indicator
POS-ABOLISH-INDICATOR	POS-GENERAL-HEADER-INFO-REC	J2A10A	03
POS-ALLOCATED-BUDGET-AMOUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	16
POS-CERTIFICATION-CODE-1	POS-HEADER-REQMT-INFO-RECORD	J2B10A	10
POS-CERTIFICATION-CODE-2	POS-HEADER-REQMT-INFO-RECORD	J2B10A	11
POS-CERTIFICATION-CODE-3	POS-HEADER-REQMT-INFO-RECORD	J2B10A	12
POS-CERTIFICATION-CODE-4	POS-HEADER-REQMT-INFO-RECORD	J2B10A	13
POS-CERTIFICATION-CODE-5	POS-HEADER-REQMT-INFO-RECORD	J2B10A	14
POS-CLASSIFICATION-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	04
POS-DRIVERS-LICENSE-REQD-IND	POS-HEADER-REQMT-INFO-RECORD	J2B10A	02
POS-DTL-ALT-MAX-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	06
POS-DTL-ALT-MIDPT-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	05
POS-DTL-ALT-MIN-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	04
POS-DTL-AUTH-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	09
POS-DTL-AUTH-PER-BEGIN-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	17
POS-DTL-AUTH-PER-EXPR-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	10
POS-DTL-AUTH-STATUS-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	04
POS-DTL-AVAIL-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	15
POS-DTL-AVAIL-FMT-MINOR-LVL	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	25
POS-DTL-AVAIL-MINOR-LEVELS	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	24
POS-DTL-AVAIL-PER-BEGIN-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	18
POS-DTL-AVAIL-PER-EXPR-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	16
POS-DTL-AVAIL-STATUS-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	06
POS-DTL-BUDGET-AMOUNT	POS-DTL-SALARY-INFO-RECORD	J3B10A	03
POS-DTL-BUDGET-APPROVAL-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	11
POS-DTL-BUDGET-PER-BEG-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	12
POS-DTL-BUDGET-PER-EXPR-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	13
POS-DTL-BUDGET-STATUS-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	05
POS-DTL-CURRENT-STATUS-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	03
POS-DTL-EMPLOYEE-SALARY	POS-DTL-SALARY-INFO-RECORD	J3B10A	01
POS-DTL-EQUIVALENT-SLRY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	02
POS-DTL-ESTABLISHED-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	07

Item	Logical Record	Record ID	Position Indicator
POS-DTL-EVAL-ITERATION-NO	POS-DTL-EVAL-RECORD	J3D10A	01
POS-DTL-EVAL-POINT-1	POS-DTL-EVAL-RECORD	J3D10A	02
POS-DTL-EVAL-POINT-2	POS-DTL-EVAL-RECORD	J3D10A	03
POS-DTL-EVAL-POINT-NUMERIC-1	POS-DTL-EVAL-RECORD	J3D10A	04
POS-DTL-EVAL-POINT-NUMERIC-2	POS-DTL-EVAL-RECORD	J3D10A	05
POS-DTL-FILLED-VACANT-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	14
POS-DTL-FULL-TM-PART-TM-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	27
POS-DTL-HOURS-WORKED	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	28
POS-DTL-LOCATION	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	29
POS-DTL-MAJ-RESP-FMT-MNR-LVL	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	23
POS-DTL-MAJ-RESP-MINOR-LEVEL	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	22
POS-DTL-MAX-ANL-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	16
POS-DTL-MAX-HRLY-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	17
POS-DTL-MIDPT-ANL-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	14
POS-DTL-MIDPT-HRLY-SLRY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	15
POS-DTL-MIN-ANL-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	12
POS-DTL-MIN-HRLY-SALARY-AMT	POS-DTL-SALARY-INFO-RECORD	J3B10A	13
POS-DTL-PERIOD-PCT-WORKED	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	26
POS-DTL-REQUIRED-DATE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	08
POS-DTL-SALARY-FORMAT-CODE	POS-DTL-SALARY-INFO-RECORD	J3B10A	10
POS-DTL-SALARY-GRADE-CODE	POS-DTL-SALARY-INFO-RECORD	J3B10A	08
POS-DTL-SALARY-SPEC-CODE	POS-DTL-SALARY-INFO-RECORD	J3B10A	07
POS-DTL-SALARY-STEP-CODE	POS-DTL-SALARY-INFO-RECORD	J3B10A	09
POS-DTL-SALARY-TIME-PER-CODE	POS-DTL-SALARY-INFO-RECORD	J3B10A	11
POS-DTL-SLRY-STEP-MAX-TM-PER	POS-DTL-SALARY-INFO-RECORD	J3B10A	19
POS-DTL-SLRY-STEP-MIN-TM-PER	POS-DTL-SALARY-INFO-RECORD	J3B10A	18
POS-DTL-SPLIT-FMT-MINOR-LVL	POS-DTL-SPLIT-INFO-RECORD	J3C10A	04
POS-DTL-SPLIT-HOURS-WORKED	POS-DTL-SPLIT-INFO-RECORD	J3C10A	01
POS-DTL-SPLIT-MINOR-LEVELS	POS-DTL-SPLIT-INFO-RECORD	J3C10A	03
POS-DTL-SPLIT-PER-PCT-WORKED	POS-DTL-SPLIT-INFO-RECORD	J3C10A	02
POS-DTL-UNION-CODE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	30
POS-DTL-USER-AREA-1	POS-DTL-USER-INFORMATION-REC	J3E10A	01
POS-DTL-USER-AREA-2	POS-DTL-USER-INFORMATION-REC	J3E10A	02

Item	Logical Record	Record ID	Position Indicator
POS-DTL-USER-AREA-3	POS-DTL-USER-INFORMATION-REC	J3E10A	03
POS-EEOC-EXEMPT-INDICATOR	POS-GENERAL-HEADER-INFO-REC	J2A10A	06
POS-EEOC-OCCUPATION-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	05
POS-FEDERAL-JOB-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	07
POS-FULL-TIME-PART-TIME-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	17
POS-HEALTH-REQUIREMENT-DESC	POS-HEADER-REQMT-INFO-RECORD	J2B10A	04
POS-HOURS-WORKED	POS-GENERAL-HEADER-INFO-REC	J2A10A	18
POS-MAX-ANNUAL-SALARY-AMOUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	29
POS-MAX-HOURLY-SALARY-AMOUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	30
POS-MIDPT-ANNUAL-SALARY-AMT	POS-GENERAL-HEADER-INFO-REC	J2A10A	27
POS-MIDPT-HOURLY-SALARY-AMT	POS-GENERAL-HEADER-INFO-REC	J2A10A	28
POS-MIN-ANNUAL-SALARY-AMOUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	25
POS-MIN-HOURLY-SALARY-AMOUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	26
POS-MULT-POSITION-AUTH-COUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	10
POS-MULT-POSITION-BUDG-COUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	11
POS-MULT-POSITION-FILL-COUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	12
POS-MULT-POSITION-MAX-COUNT	POS-GENERAL-HEADER-INFO-REC	J2A10A	09
POS-MULT-POSITION-USER-CNT-1	POS-GENERAL-HEADER-INFO-REC	J2A10A	13
POS-MULT-POSITION-USER-CNT-2	POS-GENERAL-HEADER-INFO-REC	J2A10A	14
POS-MULT-POSITION-USER-CNT-3	POS-GENERAL-HEADER-INFO-REC	J2A10A	15
POS-NARRATIVE-DESCRIPTION	POS-NARRATIVE-RECORD	TJA10A	01
POS-NUMBER-FORMATTED	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	01
POS-NUMBER-FORMATTED	POS-GENERAL-HEADER-INFO-REC	J2A10A	01
POS-PHYSICAL-EXAM-REQD-CODE	POS-HEADER-REQMT-INFO-RECORD	J2B10A	03
POS-PROFSN-LICENSE-MEMBER-1	POS-HEADER-REQMT-INFO-RECORD	J2B10A	05
POS-PROFSN-LICENSE-MEMBER-2	POS-HEADER-REQMT-INFO-RECORD	J2B10A	06
POS-PROFSN-LICENSE-MEMBER-3	POS-HEADER-REQMT-INFO-RECORD	J2B10A	07
POS-PROFSN-LICENSE-MEMBER-4	POS-HEADER-REQMT-INFO-RECORD	J2B10A	08
POS-PROFSN-LICENSE-MEMBER-5	POS-HEADER-REQMT-INFO-RECORD	J2B10A	09
POS-SALARY-FORMAT-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	23
POS-SALARY-GRADE-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	21
POS-SALARY-SPEC-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	20
POS-SALARY-STEP-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	22

Item	Logical Record	Record ID	Position Indicator
POS-SALARY-STEP-MAX-TIME-PER	POS-GENERAL-HEADER-INFO-REC	J2A10A	32
POS-SALARY-STEP-MIN-TIME-PER	POS-GENERAL-HEADER-INFO-REC	J2A10A	31
POS-SALARY-TIME-PERIOD-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	24
POS-SKILL-EXPRN-YEARS-REQD	POS-SKILL-REQMT-INFO-RECORD	J2C10A	03
POS-SKILL-FUNCTION-REQD-CODE	POS-SKILL-REQMT-INFO-RECORD	J2C10A	01
POS-SKILL-LOCATION-REQD-CODE	POS-SKILL-REQMT-INFO-RECORD	J2C10A	07
POS-SKILL-PROFC-REQD-CODE	POS-SKILL-REQMT-INFO-RECORD	J2C10A	04
POS-SKILL-REQD-LAST-YR-USED	POS-SKILL-REQMT-INFO-RECORD	J2C10A	05
POS-SKILL-SFNCT-REQD-CODE	POS-SKILL-REQMT-INFO-RECORD	J2C10A	02
POS-SKILL-SUPV-REQUIRED-CODE	POS-SKILL-REQMT-INFO-RECORD	J2C10A	06
POS-TITLE	POS-DTL-STATUS-DATE-INFO-REC	J3A10A	02
POS-TITLE	POS-GENERAL-HEADER-INFO-REC	J2A10A	02
POS-USER-AREA-1	POS-USER-INFORMATION-RECORD	J2D10A	01
POS-USER-AREA-2	POS-USER-INFORMATION-RECORD	J2D10A	02
POS-USER-AREA-3	POS-USER-INFORMATION-RECORD	J2D10A	03
POS-WEEK-PERCENT-WORKED	POS-GENERAL-HEADER-INFO-REC	J2A10A	19
POS-WORKER-COMPENSATION-CODE	POS-GENERAL-HEADER-INFO-REC	J2A10A	08
POS-YEARS-EDUCATION-REQUIRED	POS-HEADER-REQMT-INFO-RECORD	J2B10A	01

Appendix F Logical Record to Item Cross-Reference

Appendix Contents

F-3 Introduction
F-4 EMP-ADDRESS-RECORD
F-4 EMP-BANK-INFORMATION-RECORD
F-4 EMP-BEN-DISCRIMINATION-REC
F-5 EMP-BEN-HOURS-EARN-INFO-REC
F-5 EMP-BEN-SECTION-89-ACCUM-REC
F-5 EMP-BENEFICIARY-RECORD
F-6 EMP-BOND-INFORMATION-RECORD
F-8 EMP-CAN-DOE-TAX-OPTIONS-REC
F-8 EMP-CAN-EMPLMT-TERM-CODE-REC
F-8 EMP-CAN-GENERAL-INFO-RECORD
F-9 EMP-CAN-TAX-CONTROL-INFO-REC
F-11 EMP-CAN-TAX-WHOLD-ACCUM-REC
F-12 EMP-CAN-TAXBL-WAGE-ACCUM-REC
F-13 EMP-CAN-VACATION-ACCUM-REC
F-14 EMP-CHECK-INFO-AND-EMAIL-REC
F-14 EMP-CHILD-INFORMATION-RECORD
F-14 EMP-COMMISSION-TAX-INFO-REC
F-15 EMP-COMMON-INFORMATION-REC
F-16 EMP-CONF-ANNUAL-SALARY-REC
F-16 EMP-DEP-BASIC-RECORD
F-17 EMP-DEP-PLAN-RECORD
F-17 EMP-DFR-PLAN-ID-RECORD
F-18 EMP-DFR-PLAN-RECORD
F-20 EMP-DFR-SS-OFST-PIA-MFB-REC
F-20 EMP-DFR-SS-PLAN-OFST-OPT-REC
F-21 EMP-DOE-INFORMATION-RECORD
F-23 EMP-DOE-TAX-OPTIONS-RECORD
F-24 EMP-EDUCATION-INFO-RECORD
F-26 EMP-EEA-INFORMATION-RECORD
F-27 EMP-EEA-ORG-SUMMARY-INFO-REC
F-28 EMP-EEO-INFORMATION-RECORD
F-29 EMP-EI-QPIP-INS-EARN-REC
F-29 EMP-ELAPSED-TIME-RECORD
F-29 EMP-EMPLMT-TERM-CODE-RECORD
F-30 EMP-FEDERAL-TAX-ACCUM-RECORD
F-31 EMP-FEDERAL-WAGE-ACCUM-REC
F-33 EMP-GENERAL-BEN-INFO-RECORD

F-34 EMP-GENERAL-HEALTH-RECORD
F-34 EMP-GENERAL-PERS-INFO-1-REC
F-35 EMP-GENERAL-PERS-INFO-2-REC
F-36 EMP-GENERAL-PERS-INFO-3-REC
F-37 EMP-GENL-PAYROLL-ACCUM-REC
F-38 EMP-GENL-PAYROLL-INFO-1-REC
F-38 EMP-GENL-PAYROLL-INFO-2-REC
F-39 EMP-HOURS-ACCUMULATORS-REC
F-39 EMP-HOURS-EARN-ACCUM-ID-REC
F-39 EMP-INJURY-INFORMATION-REC
F-40 EMP-INSURANCE-INFO-RECORD
F-41 EMP-LR-CURRENT-SENIORITY-REC
F-42 EMP-LR-DISCIPLINE-RECORD
F-43 EMP-LR-GRIEVANCE-RECORD
F-44 EMP-LR-HIST-SENIORITY-RECORD
F-44 EMP-LR-LAYOFF-RECALL-RECORD
F-45 EMP-LR-UNION-INFO-RECORD
F-45 EMP-MILITARY-INFORMATION-REC
F-45 EMP-NDFR-PLAN-ID-RECORD
F-46 EMP-NDFR-PLAN-RECORD
F-47 EMP-NORMAL-PAY-INFO-RECORD
F-47 EMP-PAYROLL-PREVIOUS-PAY-REC
F-48 EMP-PAYROLL-PROC-IND-RECORD
F-48 EMP-PERFORMANCE-REVIEW-REC
F-49 EMP-PERS-HOURS-ACCUM-RECORD
F-50 EMP-PERS-SERVICE-INFO-RECORD
F-50 EMP-PLAN-RECORD
F-51 EMP-POS-RELATED-SALARY-REC
F-51 EMP-PROPERTY-INFO-RECORD
F-52 EMP-RELV1-REPORTING-RECORD
F-54 EMP-RELV2-REPORTING-RECORD
F-55 EMP-RETIREMENT-INFO-RECORD
F-56 EMP-SALARY-CHANGE-RECORD
F-57 EMP-SALARY-SPLIT-INFO-RECORD
F-59 EMP-SALTA-RECORD1
F-60 EMP-SALTA-RECORD2
F-61 EMP-SKILLS-INFORMATION-REC
F-62 EMP-SS-OASDI-OPTIONS-RECORD
F-63 EMP-SS-OASDI-PIA-MFB-RECORD
F-63 EMP-SUP-ADDR-RECORD
F-64 EMP-T4-DOE-REPORTING-RECORD
F-64 EMP-T4-REPORTING-RECORD
F-66 EMP-T4A-REPORTING-RECORD
F-67 EMP-TAX-CONTROL-INFO-RECORD
F-69 EMP-TIPS-CREDIT-ACCUM-RECORD
F-70 EMP-TOT-TAX-WHOLD-ACCUM-REC
F-71 EMP-TRANSFER-INFORMATION-REC
F-72 EMP-USER-DATES-RECORD
F-72 EMP-USER-PAYROLL-RECORD
F-73 EMP-USER-PERSONNEL-1-RECORD
F-73 EMP-USER-PERSONNEL-2-RECORD

F-74 EMP-WORKFORCE-UTILZ-INFO-REC
F-75 ORG-SALARY-SPEC-RECORD
F-75 ORG-SALARY-TABLE-RECORD
F-76 POS-DTL-EVAL-RECORD
F-76 POS-DTL-SALARY-INFO-RECORD
F-77 POS-DTL-SPLIT-INFO-RECORD
F-78 POS-DTL-STATUS-DATE-INFO-REC
F-79 POS-DTL-USER-INFORMATION-REC
F-80 POS-GENERAL-HEADER-INFO-REC
F-81 POS-HEADER-REQMT-INFO-RECORD
F-81 POS-NARRATIVE-RECORD
F-82 POS-SKILL-REQMT-INFO-RECORD
F-82 POS-USER-INFORMATION-RECORD

Introduction

This appendix contains the logical record to item cross-reference.

EMP-ADDRESS-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-ADDRESS-RECORD	M2A30A	01	EMP-ADDRESS-LINE-1
		03	EMP-ADDRESS-LINE-3
		04	EMP-ZIP-CODE
		05	EMP-CAN-POSTAL-CODE

EMP-BANK-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BANK-INFORMATION-RECORD	M2D20A	02	EMP-PAID-THRU-BANK-ID

EMP-BEN-DISCRIMINATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BEN-DISCRIMINATION-REC	M6R20U	01	EMP-HIGHLY-COMPENSATED-CODE
		02	EMP-BARGAINING-UNIT-CODE
		03	EMP-CURR-YEAR-CO-OWN-PCT
		04	EMP-PRIOR-YEAR-CO-OWN-PCT
		05	EMP-CURR-YEAR-OFFICER-IND
		06	EMP-PRIOR-YEAR-OFFICER-IND
		07	EMP-NUMBER-OF-DEPENDENTS
		08	EMP-SPOUSE-EMPLR-CVRG-IND
		09	EMP-CVRG-SPOUSE-EMPLR-IND
		10	EMP-SEASONAL-INDICATOR
		11	EMP-OPT-HIGHLY-COMP-CODE-1
		12	EMP-OPT-HIGHLY-COMP-CODE-2
		13	EMP-OPT-HIGHLY-COMP-CODE-3
		14	EMP-OPT-HIGHLY-COMP-CODE-4
		15	EMP-OPT-HIGHLY-COMP-CODE-5

EMP-BEN-HOURS-EARN-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BEN-HOURS-EARN-INFO-REC	M6L10A	01	EMP-BEN-HOURS-EARN-PLAN-YEAR
		02	EMP-BENEFIT-HOURS-EARN-AMT

EMP-BEN-SECTION-89-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BEN-SECTION-89-ACCUM-REC	M6R10U	01	EMP-CURR-YR-ACCUM-EARN-AMT
		02	EMP-PRIOR-YR-ACCUM-EARN-AMT
		03	EMP-CURR-YEAR-ACCUM-HOURS
		04	EMP-PRIOR-YEAR-ACCUM-HOURS

EMP-BENEFICIARY-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BENEFICIARY-RECORD	M6M10A	01	EMP-BENEFICIARY-CODE
		02	EMP-BENEFICIARY-NAME
		03	EMP-BENEFICIARY-BIRTH-DATE
		04	EMP-BENEFICIARY-RELT-CODE

EMP-BOND-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-BOND-INFORMATION-RECORD	M2E10A	01	EMP-BOND-1-PURCHASE-IND
		02	EMP-BOND-1-BEGINNING-BALANCE
		03	EMP-BOND-1-DEDUCTION-AMT
		04	EMP-BOND-1-PRICE
		05	EMP-BOND-1-ENDING-BALANCE
		06	EMP-BOND-1-BENEFICIARY-NAME
		07	EMP-BOND-1-BENEFICIARY-SSN
		08	EMP-BOND-1-OWNER-CO-OWN-NAME
		09	EMP-BOND-1-OWNER-CO-OWN-SSN
		10	EMP-BOND-1-OWNER-CO-OWN-CODE
		11	EMP-BOND-1-DOE-CODE
		12	EMP-BOND-1-CURR-PURCHASES
		13	EMP-BOND-1-MTD-PURCHASES
		14	EMP-BOND-1-QTD-PURCHASES
		15	EMP-BOND-1-YTD-PURCHASES
		16	EMP-BOND-1-ACTIVE-IND
		17	EMP-BOND-2-PURCHASE-IND
		18	EMP-BOND-2-BEGINNING-BALANCE
		19	EMP-BOND-2-DEDUCTION-AMT
		20	EMP-BOND-2-PRICE
		21	EMP-BOND-2-ENDING-BALANCE
		22	EMP-BOND-2-BENEFICIARY-NAME
		23	EMP-BOND-2-BENEFICIARY-SSN
		24	EMP-BOND-2-OWNER-CO-OWN-NAME
		25	EMP-BOND-2-OWNER-CO-OWN-SSN
		26	EMP-BOND-2-OWNER-CO-OWN-CODE
		27	EMP-BOND-2-DOE-CODE
		28	EMP-BOND-2-CURR-PURCHASES
		29	EMP-BOND-2-MTD-PURCHASES
		30	EMP-BOND-2-QTD-PURCHASES
		31	EMP-BOND-2-YTD-PURCHASES
		32	EMP-BOND-2-ACTIVE-IND
		33	EMP-BOND-3-PURCHASE-IND

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-BOND-3-BEGINNING-BALANCE
		35	EMP-BOND-3-DEDUCTION-AMT
		36	EMP-BOND-3-PRICE
		37	EMP-BOND-3-ENDING-BALANCE
		38	EMP-BOND-3-BENEFICIARY-NAME
		39	EMP-BOND-3-BENEFICIARY-SSN
		40	EMP-BOND-3-OWNER-CO-OWN-NAME
		41	EMP-BOND-3-OWNER-CO-OWN-SSN
		42	EMP-BOND-3-OWNER-CO-OWN-CODE
		43	EMP-BOND-3-DOE-CODE
		44	EMP-BOND-3-CURR-PURCHASES
		45	EMP-BOND-3-MTD-PURCHASES
		46	EMP-BOND-3-QTD-PURCHASES
		47	EMP-BOND-3-YTD-PURCHASES
		48	EMP-BOND-3-ACTIVE-IND

EMP-CAN-DOE-TAX-OPTIONS-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-DOE-TAX-OPTIONS-REC	M2H20C	01	EMP-CAN-DOE-FEDERAL-TAX-OPT
		02	EMP-DOE-PROVINCE-TAX-OPT
		04	EMP-DOE-CPP-QPP-TAX-OPT
		05	EMP-DOE-UIC-PREMIUM-OPT
		06	EMP-DOE-QUE-MEDICARE-TAX-OPT

EMP-CAN-EMPLMT-TERM-CODE-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-EMPLMT-TERM-CODE-REC	M2A90C	01	EMP-CAN-EMPLOYMENT-CODE-1
		02	EMP-CAN-EMPLOYMENT-CODE-2
		03	EMP-CAN-TERMINATION-CODE
		04	EMP-CAN-TERM-REASON-CODE

EMP-CAN-GENERAL-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-GENERAL-INFO-RECORD	M4A30C	01	EMP-CAN-BIRTHDATE
		02	EMP-CAN-JOB-TITLE
		03	EMP-CAN-LANGUAGE-PREFERENCE
		04	EMP-CAN-EI-FIRST-DAY-WORKED
		05	EMP-CAN-EI-LAST-DAY-PAID
		06	EMP-HOSPITAL-INSURANCE-NO
		07	EMP-CAN-QPIP-DAY-PROVINCE
		08	EMP-CAN-QPIP-FIRST-DAY-WORKED
		09	EMP-CAN-QPIP-LAST-DAY-PAID

EMP-CAN-TAX-CONTROL-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-TAX-CONTROL-INFO-REC	M2C20C	01	EMP-FED-PROVINCIAL-TAX-AUTH
		02	EMP-CAN-FEDERAL-TAX-METHOD
		03	EMP-CAN-ADDL-FED-WHOLD-AMT
		04	EMP-CAN-ADDL-FED-WHOLD-PCT
		05	EMP-CAN-FED-EXMPT-ALLOWANCE
		06	EMP-CAN-FED-OTHER-TD1
		07	EMP-CAN-FED-RES-DEDUCT-AMT
		08	EMP-CAN-FED-OTHER-EXCLD-AMT
		09	EMP-CAN-FED-OTHER-TAX-CR-AMT
		10	EMP-PROVINCIAL-TAX-AUTHORITY
		11	EMP-PROVINCIAL-TAX-METHOD
		12	EMP-ADDL-PROV-WHOLD-AMT
		13	EMP-ADDL-PROV-WHOLD-PCT
		14	EMP-PROVINCE-EXMPT-ALLOWANCE
		15	EMP-CAN-PROV-OTHER-TD1
		16	EMP-CAN-PROV-RES-DEDUCT-AMT
		17	EMP-CAN-PROV-OTHER-EXCLD-AMT
		18	EMP-CAN-PROV-OTHER-TX-CR-AMT
		19	EMP-RESIDENT-PROVINCE-CODE
		20	EMP-CPP-IND
		21	EMP-EI-IND
		22	EMP-QPP-IND
		23	EMP-QUEBEC-MEDICARE-IND
		24	EMP-EI-EMPLOYER-RATE-CODE
		25	EMP-QPIP-IND
		26	EMP-QHC-IND
		27	EMP-CUR-QHC-AMT
		28	EMP-YTD-QHC-AMT
		29	EMP-CPP-RECEIVE
		30	EMP-CPT30-CUR-OPT
		31	EMP-CPT30-CUR-SIG-DATE

Logical Record Name	Record ID	Position Indicator	Item Name
		32	EMP-CPT30-PREV-OPT
		33	EMP-CPT30-PREV-SIG-DATE

EMP-CAN-TAX-WHOLD-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-TAX-WHOLD-ACCUM-REC	M2B20C	01	EMP-CAN-CURR-FEDERAL-TAX
		02	EMP-CAN-MTD-FEDERAL-TAX
		03	EMP-CAN-QTD-FEDERAL-TAX
		04	EMP-CAN-YTD-FEDERAL-TAX
		05	EMP-CURR-CPP-TAX
		06	EMP-MTD-CPP-TAX
		07	EMP-QTD-CPP-TAX
		08	EMP-YTD-CPP-TAX
		09	EMP-CURR-EI-TAX
		10	EMP-MTD-EI-TAX
		11	EMP-QTD-EI-TAX
		12	EMP-YTD-EI-TAX
		13	EMP-CURR-PROVINCIAL-TAX
		14	EMP-MTD-PROVINCIAL-TAX
		15	EMP-QTD-PROVINCIAL-TAX
		16	EMP-YTD-PROVINCIAL-TAX
		17	EMP-CURR-QPP-TAX
		18	EMP-MTD-QPP-TAX
		19	EMP-QTD-QPP-TAX
		20	EMP-YTD-QPP-TAX
		21	EMP-CURR-QPIP-TAX
		22	EMP-MTD-QPIP-TAX
		23	EMP-QTD-QPIP-TAX
		24	EMP-YTD-QPIP-TAX

EMP-CAN-TAXBL-WAGE-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-TAXBL-WAGE-ACCUM-REC	M2C10C	01	EMP-CAN-CURR-FEDERAL-WAGES
		02	EMP-CAN-MTD-FEDERAL-WAGES
		03	EMP-CAN-QTD-FEDERAL-WAGES
		04	EMP-CAN-YTD-FEDERAL-WAGES
		05	EMP-CURR-CPP-WAGES
		06	EMP-MTD-CPP-WAGES
		07	EMP-QTD-CPP-WAGES
		08	EMP-YTD-CPP-WAGES
		09	EMP-CURR-EI-TOTAL-WAGES
		10	EMP-MTD-EI-TOTAL-WAGES
		11	EMP-QTD-EI-TOTAL-WAGES
		12	EMP-YTD-EI-TOTAL-WAGES
		13	EMP-CURR-EI-INS-WAGES
		14	EMP-MTD-EI-INS-WAGES
		15	EMP-QTD-EI-INS-WAGES
		16	EMP-YTD-EI-INS-WAGES
		17	EMP-CURR-QPP-WAGES
		18	EMP-MTD-QPP-WAGES
		19	EMP-QTD-QPP-WAGES
		20	EMP-YTD-QPP-WAGES
		21	EMP-CURR-QUE-MEDICARE-WAGES
		22	EMP-MTD-QUE-MEDICARE-WAGES
		23	EMP-QTD-QUE-MEDICARE-WAGES
		24	EMP-YTD-QUE-MEDICARE-WAGES
		25	EMP-CUR-QC-EI-WAGES
		26	EMP-MTD-QC-EI-WAGES
		27	EMP-QTD-QC-EI-WAGES
		28	EMP-YTD-QC-EI-WAGES
		29	EMP-CUR-QPIP-TOTAL-WAGES
		30	EMP-MTD-QPIP-TOTAL-WAGES
		31	EMP-QTD-QPIP-TOTAL-WAGES
		32	EMP-YTD-QPIP-TOTAL-WAGES
		33	EMP-CUR-QPIP-INS-WAGES

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-MTD-QPIP-INS-WAGES
		35	EMP-QTD-QPIP-INS-WAGES
		36	EMP-YTD-QPIP-INS-WAGES

EMP-CAN-VACATION-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CAN-VACATION-ACCUM-REC	M4A20C	01	EMP-CAN-CURR-VACATION-WAGES
		02	EMP-CAN-MTD-VACATION-WAGES
		03	EMP-CAN-QTD-VACATION-WAGES
		04	EMP-CAN-YTD-VACATION-WAGES
		05	EMP-CAN-VACATION-PCT-CODE
		06	EMP-CAN-CURR-VACATION-AMT
		07	EMP-CAN-MTD-VACATION-AMT
		08	EMP-CAN-QTD-VACATION-AMT
		09	EMP-CAN-YTD-VACATION-AMT

EMP-CHECK-INFO-AND-EMAIL-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CHECK-INFO-AND- EMAIL-REC	M2D10A	01	EMP-CHECK-ADDRESS-LINE-1
		02	EMP-CHECK-ADDRESS-LINE-2
		03	EMP-CHECK-ZIP-CODE
		04	EMP-CHECK-ZIP-CODE-EXT
		05	EMP-CAN-CHEQUE-POSTAL-CODE
		06	EMP-PAYMENT-FORM-IND
		07	EMP-EMAIL-ADDRESS

EMP-CHILD-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CHILD-INFORMATION-RECORD	M6H10A	01	EMP-CHILD-NAME
		02	EMP-CHILD-SEX-CODE
		03	EMP-CHILD-BIRTHDATE
		04	EMP-NUMBER-OF-CHILDREN

EMP-COMMISSION-TAX-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-COMMISSION-TAX-INFO-REC	M2A70A	01	EMP-CAN-EST-ANL-REMUNERATION
		02	EMP-CAN-EST-ANNUAL-EXMPT-EXP

EMP-COMMON-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-COMMON-INFORMATION-REC	M2A10A	01	EMP-NAME-LAST-NAME-FIRST
		02	EMP-NAME-FIRST-NAME-FIRST
		03	EMP-SOCIAL-SECURITY-NUMBER
		04	EMP-LEVEL-3
		05	EMP-LEVEL-4
		06	EMP-LEVEL-5
		07	EMP-PAY-FREQUENCY
		08	EMP-PAY-CODE
		09	EMP-STATUS-1-IND
		10	EMP-SEX-CODE
		11	EMP-WORKER-COMPENSATION-CODE
		12	EMP-UNION-CODE
		13	EMP-RECORD-CHANGE-DATE

EMP-CONF-ANNUAL-SALARY-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-CONF-ANNUAL-SALARY-REC	M6J60A	01	EMP-ANNUAL-SALARY
		02	EMP-COMPA-RATIO
		03	EMP-PREV-YEAR-ANNUAL-EARN

EMP-DEP-BASIC-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DEP-BASIC-RECORD	M2AD2A	01	EMP-DEP-NAME-LAST-NAME-FIRST
		02	EMP-DEP-NAME-1ST-NAME-1ST
		03	EMP-DEP-ADDR-ID
		04	EMP-DEP-BIRTH-DATE
		05	EMP-DEP-DEATH-DATE
		06	EMP-DEP-SEX
		07	EMP-DEP-RELATIONSHIP
		08	EMP-DEP-STATUS
		09	EMP-DEP-USER-ALPHA-FLD-1
		10	EMP-DEP-USER-ALPHA-FLD-2
		11	EMP-DEP-USER-ALPHA-FLD-3
		12	EMP-DEP-USER-NUM-FLD-1
		13	EMP-DEP-USER-NUM-FLD-2
		14	EMP-DEP-USER-DATE-FLD-1
		15	EMP-DEP-USER-DATE-FLD-2

EMP-DEP-PLAN-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DEP-PLAN-RECORD	M2AD3A	01	EMP-DEP-PLAN-ID
		02	EMP-DEP-PLAN-COVG-BEGIN-DATE
		03	EMP-DEP-PLAN-COVG-END-DATE
		04	EMP-DEP-PLAN-STATUS
		05	EMP-DEP-PLAN-COVG-TYPE
		06	EMP-DEP-PLAN-USER-FLD-1
		07	EMP-DEP-PLAN-USER-FLD-2

EMP-DFR-PLAN-ID-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DFR-PLAN-ID-RECORD	M6K50A	01	EMP-DFR-PLAN-ID

EMP-DFR-PLAN-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DFR-PLAN-RECORD	M6K10A	01	EMP-DFR-PLAN-ID
		02	EMP-DFR-PTCP-STATUS-CODE
		03	EMP-DFR-PTCP-BEGIN-DATE
		04	EMP-DFR-PTCP-END-DATE
		05	EMP-DFR-MEMBERSHIP-NUMBER
		06	EMP-DFR-BENEFICIARY-CODE
		07	EMP-DFR-MULTIPLE-BENEFIT-OPT
		08	EMP-DFR-DOCUMENT-ID
		09	EMP-DFR-DOC-LAST-SENT-DATE
		10	EMP-DFR-DOC-WARN-MSG-DCR-CNT
		11	EMP-DFR-ELGB-HOURS-ACCUM
		12	EMP-DFR-ELGB-HOURS-ACCUM-DT
		13	EMP-DFR-ELIGIBLE-TO-PTCP-DT
		14	EMP-DFR-RULE-OF-PARITY-IND
		15	EMP-DFR-TOTAL-SERVICE-BREAKS
		16	EMP-DFR-VESTING-SERV-CR-AMT
		17	EMP-DFR-SERVICE-CREDIT-AMT
		18	EMP-DFR-PTCP-SERVICE-CR-AMT
		19	EMP-DFR-VESTED-PERCENT
		20	EMP-DFR-ACCRUED-LUMP-SUM-AMT
		21	EMP-DFR-PROJ-LUMP-SUM-AMOUNT
		22	EMP-DFR-PROJ-EARLY-SUM-AMT
		23	EMP-DFR-PROJ-JOINT-SUM-AMT
		24	EMP-DFR-PROJ-MONTHLY-AMOUNT
		25	EMP-DFR-PROJ-EARLY-RET-AMT
		26	EMP-DFR-PROJ-JOINT-MO-AMOUNT
		27	EMP-DFR-JOINT-SURVIVOR-OPT
		28	EMP-DFR-TOT-EMP-CONTRIB-AMT
		29	EMP-DFR-TOT-ORG-CONTRIB-AMT
		30	EMP-DFR-1ST-STOCK-ISSUE-TOT
		31	EMP-DFR-1ST-STOCK-UNIT-VALUE
		32	EMP-DFR-2ND-STOCK-ISSUE-TOT
		33	EMP-DFR-2ND-STOCK-UNIT-VALUE

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-DFR-EARNING-INTEREST-AMT
		35	EMP-DFR-TOTAL-WITHDRAWN-AMT
		36	EMP-DFR-LAST-WITHDRAWAL-DATE
		37	EMP-DFR-ACCOUNT-VALUE
		38	EMP-DFR-YEAR-NO-CONTRIB-MADE
		39	EMP-DFR-ACTUARIAL-CALC-DATE
		40	EMP-DFR-ERISA-EVENT-IND-1
		41	EMP-DFR-ERISA-EVENT-IND-2
		42	EMP-DFR-ERISA-EVENT-IND-3
		43	EMP-DFR-ERISA-EVENT-IND-4
		44	EMP-DFR-ERISA-EVENT-IND-5
		45	EMP-DFR-PTCP-SERV-CALC-MTHD
		46	EMP-DFR-VEST-SERV-CALC-MTHD
		47	EMP-DFR-SERV-CALC-MTHD-CODE
		48	EMP-DFR-PTCP-SERVICE-ADJ-AMT
		49	EMP-DFR-VESTING-SERV-ADJ-AMT
		50	EMP-DFR-SERVICE-ADJ-AMOUNT
		51	EMP-DFR-VEST-SCHEDULE-ID
		52	EMP-DFR-PRTL-VESTING-CR-ID
		53	EMP-DFR-PRTL-BEN-CREDIT-ID
		54	EMP-DFR-HOURS-ACCUM-ID
		55	EMP-DFR-EARNINGS-ACCUM-ID

EMP-DFR-SS-OFST-PIA-MFB-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DFR-SS-OFST-PIA-MFB-REC	M6K30A	01	EMP-DFR-SS-DISAB-DEATH-PIA
		02	EMP-DFR-SS-1ST-RET-PIA
		03	EMP-DFR-SS-2ND-RET-PIA
		04	EMP-DFR-SS-DISAB-DEATH-MFB
		05	EMP-DFR-SS-1ST-RET-MFB
		06	EMP-DFR-SS-2ND-RET-MFB
		07	EMP-DFR-SS-CALC-ERROR-IND

EMP-DFR-SS-PLAN-OFST-OPT-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DFR-SS-PLAN-OFST-OPT-REC	M6K20A	01	EMP-DFR-SS-CALCULATE-TYPE-CD
		02	EMP-DFR-SS-LAW-EFFECTIVE-DT

EMP-DOE-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DOE-INFORMATION-RECORD	M2H10A	01	EMP-DOE-METHOD-CODE
		02	EMP-DOE-PERIOD-ACTIVE-CODE
		03	EMP-DOE-TAX-ARREARS-CODE
		04	EMP-DOE-AMT
		05	EMP-DOE-PCT
		06	EMP-DOE-AMT-PER-HOUR
		07	EMP-TABLE-ENTRY-NUMBER
		08	EMP-TABLED-AMT-IND
		09	EMP-DOE-LIMIT-AMT
		10	EMP-DOE-START-DATE
		11	EMP-DOE-STOP-DATE
		12	EMP-DOE-REPORT-SEQUENCE-OPT
		23	EMP-DOE-STEP-1-METHOD-CODE
		25	EMP-DOE-STEP-1-AMT
		26	EMP-DOE-STEP-1-PCT
		27	EMP-DOE-STEP-1-AMT-PER-HOUR
		28	EMP-DOE-STEP-1-MAXIMUM
		29	EMP-DOE-STEP-2-METHOD-CODE
		30	EMP-DOE-STEP-2-AMT
		31	EMP-DOE-STEP-2-PCT
		32	EMP-DOE-STEP-2-AMT-PER-HOUR
		33	EMP-DOE-STEP-2-MAXIMUM
		34	EMP-DOE-STEP-3-METHOD-CODE
		35	EMP-DOE-STEP-3-AMT
		36	EMP-DOE-STEP-3-PCT
		37	EMP-DOE-STEP-3-AMT-PER-HOUR
		38	EMP-DOE-STEP-3-MAXIMUM
		39	EMP-DOE-STEP-4-METHOD-CODE
		40	EMP-DOE-STEP-4-AMT
		41	EMP-DOE-STEP-4-PCT
		42	EMP-DOE-STEP-4-AMT-PER-HOUR
		43	EMP-DOE-STEP-4-MAXIMUM
		44	EMP-DOE-STEP-5-METHOD-CODE

Logical Record Name	Record ID	Position Indicator	Item Name
		45	EMP-DOE-STEP-5-AMT
		46	EMP-DOE-STEP-5-PCT
		47	EMP-DOE-STEP-5-AMT-PER-HOUR
		48	EMP-DOE-STEP-5-MAXIMUM
		49	EMP-STEP-DOE-SOURCE-IND
		50	EMP-CURR-DOE-AMT
		51	EMP-MTD-DOE-AMT
		52	EMP-QTD-DOE-AMT
		53	EMP-YTD-DOE-AMT
		54	EMP-DOE-CURR-AMT-NOT-TAKEN
		55	EMP-DOE-BALANCE-NOT-TAKEN
		56	EMP-ACH-BANK-CD-ABA-NUM
		57	EMP-ACH-ACCOUNT-NUM
		58	EMP-ACH-PRENOTE-IND
		59	EMP-CS-CASE-ID
		60	EMP-CS-MS-IND
		61	EMP-CS-FIP-CD

EMP-DOE-TAX-OPTIONS-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-DOE-TAX-OPTIONS-RECORD	M2H20U	01	EMP-DOE-FEDERAL-TAX-OPT
		02	EMP-DOE-STATE-TAX-OPT
		03	EMP-DOE-LOCAL-TAX-OPT
		04	EMP-DOE-FICA-TAX-OPT
		05	EMP-DOE-FUI-TAX-OPT
		06	EMP-DOE-SUI-DISAB-TAX-OPT

EMP-EDUCATION-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EDUCATION-INFO-RECORD	M6B20A	01	EMP-TOTAL-YEARS-OF-EDUCATION
		02	EMP-EDUCATION-STATUS-IND
		03	EMP-EST-EDUC-COMPLETION-YEAR
		04	EMP-1ST-SCHOOL-ATTENDED
		05	EMP-1ST-DEGREE-TYPE
		06	EMP-1ST-EDUC-DEGREE-DATE
		07	EMP-1ST-MAJOR-STUDY-FIELD
		08	EMP-1ST-MINOR-STUDY-FIELD
		09	EMP-2ND-SCHOOL-ATTENDED
		10	EMP-2ND-DEGREE-TYPE
		11	EMP-2ND-EDUC-DEGREE-DATE
		12	EMP-2ND-MAJOR-STUDY-FIELD
		13	EMP-2ND-MINOR-STUDY-FIELD
		14	EMP-3RD-SCHOOL-ATTENDED
		15	EMP-3RD-DEGREE-TYPE
		16	EMP-3RD-EDUC-DEGREE-DATE
		17	EMP-3RD-MAJOR-STUDY-FIELD
		18	EMP-3RD-MINOR-STUDY-FIELD
		19	EMP-4TH-SCHOOL-ATTENDED
		20	EMP-4TH-DEGREE-TYPE
		21	EMP-4TH-EDUC-DEGREE-DATE
		22	EMP-4TH-MAJOR-STUDY-FIELD
		23	EMP-4TH-MINOR-STUDY-FIELD
		24	EMP-1ST-TRAINING-SCHOOL
		25	EMP-1ST-TRAINING-CERT-TYPE
		26	EMP-1ST-CERTIFICATION-DATE
		27	EMP-1ST-CERTIFIED-STUDY-FLD
		28	EMP-2ND-TRAINING-SCHOOL
		29	EMP-2ND-TRAINING-CERT-TYPE
		30	EMP-2ND-CERTIFICATION-DATE
		31	EMP-2ND-CERTIFIED-STUDY-FLD
		32	EMP-3RD-TRAINING-SCHOOL
		33	EMP-3RD-TRAINING-CERT-TYPE

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-3RD-CERTIFICATION-DATE
		35	EMP-3RD-CERTIFIED-STUDY-FLD
		36	EMP-1ST-PROFESSIONAL-LICENSE
		37	EMP-2ND-PROFESSIONAL-LICENSE

EMP-EEA-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EEA-INFORMATION-RECORD	M6Q10C	01	EMP-EEA-REPORTING-UNIT-CODE
		02	EMP-EEA-WORK-PROVINCE-CODE
		03	EMP-EEA-INDST-SECTOR-CODE
		04	EMP-EEA-CMA-CODE
		05	EMP-EEA-OCCUP-GROUP-CODE
		06	EMP-EEA-VISIBLE-MINORITY-IND
		07	EMP-EEA-ABORIG-PERSON-IND
		08	EMP-EEA-DISABLED-PERS-IND
		09	EMP-EEA-SALARY

EMP-EEA-ORG-SUMMARY-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EEA-ORG-SUMMARY-INFO-REC	M6Q20C	01	EMP-EEA-REPORTING-UNIT-CODE
		02	EMP-EEA-WORK-PROVINCE-CODE
		03	EMP-EEA-INDST-SECTOR-CODE
		04	ORG-EEA-INDST-SECTOR-DESC
		05	ORG-EEA-INDST-SCTR-FRE-DESC
		06	EMP-EEA-CMA-CODE
		07	EMP-EEA-OCCUP-GROUP-CODE
		08	ORG-EEA-OCCUP-GROUP-DESC
		09	ORG-EEA-OCCUP-GROUP-FRE-DESC
		10	EMP-EEA-VISIBLE-MINORITY-IND
		11	EMP-EEA-ABORIG-PERSON-IND
		12	EMP-EEA-DISABLED-PERS-IND
		13	EMP-EEA-SALARY
		14	ORG-EEA-LANGUAGE-INDICATOR
		15	ORG-EEA-LEGAL-NAME
		16	ORG-EEA-BUSINESS-NAME
		17	ORG-EEA-BUSINESS-ADDR-LINE-1
		18	ORG-EEA-BUSINESS-ADDR-LINE-2
		19	ORG-EEA-BUSINESS-ADDR-LINE-3
		20	ORG-EEA-BUSINESS-POSTAL-CODE
		21	ORG-EEA-MAIL-ADDR-LINE-1
		22	ORG-EEA-MAIL-ADDR-LINE-2
		23	ORG-EEA-MAIL-ADDR-LINE-3
		24	ORG-EEA-MAIL-POSTAL-CODE
		25	ORG-EEA-CEO-NAME
		26	ORG-EEA-CEO-TITLE
		27	ORG-EEA-RESP-OFFICER-NAME
		28	ORG-EEA-RESP-OFFICER-TITLE
		29	ORG-EEA-RESP-OFCR-PHONE-NBR
		30	ORG-EEA-RESP-OFCR-PHONE-EXTN
		31	ORG-EEA-PEAK-PERIOD-DATE

EMP-EEO-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EEO-INFORMATION-RECORD	M6J50A	01	EMP-EEO-OCCUPATION-CATEGORY
		02	EMP-EEO-EXEMPT-IND
		03	EMP-EEO-TRAINEE-IND
		04	EMP-EEO-UNIT-IND
		05	EMP-EEOC-GROUP-IND
		06	RESERVED
		07	RESERVED
		08	RESERVED
		09	EMP-SOFT-MONEY-IND
		10	EMP-FOREIGN-NATIONAL-CODE

EMP-EI-QPIP-INS-EARN-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EI-QPIP-INS-EARN-REC	M4A10C	02	EMP-CURR-EI-PD-END-DATE
		03	EMP-CURR-EI-INSRBL-EARNINGS
		04	EMP-CURR-EI-INSURABLE-HOURS
		06	EMP-EI-PERIOD-END-DATE
		07	EMP-EI-INSRBL-EARNINGS-AMT
		08	EMP-EI-INSURABLE-HOURS
		09	EMP-EI-ADJUST-FLAG
		10	EMP-CURR-QPIP-INSRBL-EARNINGS
		11	EMP-CURR-QPIP-INSURABLE-HOURS
		13	EMP-QPIP-PERIOD-END-DATE
		14	EMP-QPIP-INSRBL-EARNINGS-AMT
		15	EMP-QPIP-INSURABLE-HOURS
		16	EMP-QPIP-ADJUST-FLAG

EMP-ELAPSED-TIME-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-ELAPSED-TIME-RECORD	M6N10A	01	EMP-ELAPSED-TIME-DATE
		02	EMP-ELAPSED-TIME-DATE-TYPE

EMP-EMPLMT-TERM-CODE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-EMPLMT-TERM-CODE-RECORD	M2A90U	01	EMP-EMPLOYMENT-CODE
		02	EMP-TERMINATION-CODE

EMP-FEDERAL-TAX-ACCUM-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-FEDERAL-TAX-ACCUM-RECORD	M3A60U	01	EMP-CURR-FEDERAL-TAX
		02	EMP-MTD-FEDERAL-TAX
		03	EMP-QTD-FEDERAL-TAX
		04	EMP-YTD-FEDERAL-TAX
		05	EMP-CURR-SS-TAX
		06	EMP-MTD-SS-TAX
		07	EMP-QTD-SS-TAX
		08	EMP-YTD-SS-TAX
		09	EMP-CURR-MEDICARE-TAX
		10	EMP-MTD-MEDICARE-TAX
		11	EMP-QTD-MEDICARE-TAX
		12	EMP-YTD-MEDICARE-TAX
		13	EMP-CURR-MQGE-TAX
		14	EMP-MTD-MQGE-TAX
		15	EMP-QTD-MQGE-TAX
		16	EMP-YTD-MQGE-TAX
		17	EMP-CURR-EMPLOYER-SS-TAX
		18	EMP-MTD-EMPLOYER-SS-TAX
		19	EMP-QTD-EMPLOYER-SS-TAX
		20	EMP-YTD-EMPLOYER-SS-TAX
		21	EMP-CURR-EMPLR-MEDICARE-TAX
		22	EMP-MTD-EMPLR-MEDICARE-TAX
		23	EMP-QTD-EMPLR-MEDICARE-TAX
		24	EMP-YTD-EMPLR-MEDICARE-TAX
		25	EMP-CURR-EMPLOYER-MQGE-TAX
		26	EMP-MTD-EMPLOYER-MQGE-TAX
		27	EMP-QTD-EMPLOYER-MQGE-TAX
		28	EMP-YTD-EMPLOYER-MQGE-TAX
		29	EMP-CURR-EMPLOYER-FUI-TAX
		30	EMP-MTD-EMPLOYER-FUI-TAX
		31	EMP-QTD-EMPLOYER-FUI-TAX
		32	EMP-YTD-EMPLOYER-FUI-TAX

EMP-FEDERAL-WAGE-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-FEDERAL-WAGE-ACCUM-REC	M3A70U	01	EMP-CURR-FEDERAL-WAGES
		02	EMP-MTD-FEDERAL-WAGES
		03	EMP-QTD-FEDERAL-WAGES
		04	EMP-YTD-FEDERAL-WAGES
		05	EMP-CURR-EMPLOYEE-SS-WAGES
		06	EMP-MTD-EMPLOYEE-SS-WAGES
		07	EMP-QTD-EMPLOYEE-SS-WAGES
		08	EMP-YTD-EMPLOYEE-SS-WAGES
		09	EMP-CURR-TOTAL-SS-MED-WAGES
		10	EMP-YTD-TOTAL-SS-MED-WAGES
		11	EMP-CURR-MEDICARE-WAGES
		12	EMP-MTD-MEDICARE-WAGES
		13	EMP-QTD-MEDICARE-WAGES
		14	EMP-YTD-MEDICARE-WAGES
		15	EMP-CURR-EMPLOYEE-MQGE-WAGES
		16	EMP-MTD-EMPLOYEE-MQGE-WAGES
		17	EMP-QTD-EMPLOYEE-MQGE-WAGES
		18	EMP-YTD-EMPLOYEE-MQGE-WAGES
		19	EMP-CURR-TOTAL-MQGE-WAGES
		20	EMP-YTD-TOTAL-MQGE-WAGES
		21	EMP-CURR-EMPLOYER-SS-WAGES
		22	EMP-MTD-EMPLOYER-SS-WAGES
		23	EMP-QTD-EMPLOYER-SS-WAGES
		24	EMP-YTD-EMPLOYER-SS-WAGES
		25	EMP-CURR-TOT-EMPLR-SSM-WAGE
		26	EMP-YTD-TOT-EMPLR-SSM-WAGES
		27	EMP-CURR-EMPLR-MEDICARE-WAGE
		28	EMP-MTD-EMPLR-MEDICARE-WAGES
		29	EMP-QTD-EMPLR-MEDICARE-WAGES
		30	EMP-YTD-EMPLR-MEDICARE-WAGES
		31	EMP-CURR-EMPLOYER-MQGE-WAGES
		32	EMP-MTD-EMPLOYER-MQGE-WAGES
		33	EMP-QTD-EMPLOYER-MQGE-WAGES

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-YTD-EMPLOYER-MQGE-WAGES
		35	EMP-CURR-TOT-EMPLR-MQGE-WAGE
		36	EMP-YTD-TOT-EMPLR-MQGE-WAGES
		37	EMP-CURR-FUI-WAGES
		38	EMP-MTD-FUI-WAGES
		39	EMP-QTD-FUI-WAGES
		40	EMP-YTD-FUI-WAGES
		41	EMP-CURR-TOTAL-FUI-WAGES
		42	EMP-YTD-TOTAL-FUI-WAGES
		43	EMP-CURR-FIT-WAGES-401K-CTRB
		44	EMP-YTD-FIT-WAGES-401K-CTRB
		45	EMP-CURR-FUI-WAGES-401K-CTRB
		46	EMP-YTD-FUI-WAGES-401K-CTRB
		47	EMP-CURR-FICA-MED-401K-CTRB
		48	EMP-YTD-FICA-MED-401K-CTRB
		49	EMP-CURR-EMPLR-FICA-MED-401K
		50	EMP-YTD-EMPLR-FICA-MED-401K

EMP-GENERAL-BEN-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENERAL-BEN-INFO-RECORD	M6C40A	01	EMP-SPO-EMPLD-SAME-ORG-IND
		02	EMP-SPOUSE-DEATH-DATE
		03	EMP-DEATH-DATE
		04	EMP-BEN-DOCUMENT-NO-REQUESTS
		05	EMP-BEN-DOCUMENT-REQUEST-DT
		06	EMP-USER-BENEFIT-FIELD-1
		07	EMP-USER-BENEFIT-FIELD-2
		08	EMP-USER-BENEFIT-FIELD-3
		09	EMP-USER-BENEFIT-FIELD-4
		10	EMP-ANNUAL-BEN-STMT-FMT-CODE
		11	EMP-VEST-TERM-STMT-FMT-CODE
		12	EMP-CALC-SERVICE-CREDIT-OPT
		13	EMP-608-SPACE-1-X1
		14	EMP-CALC-ACTUARIAL-OPTION
		15	EMP-BEN-PROFILE-UPDATE-DATE

EMP-GENERAL-HEALTH-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENERAL-HEALTH-RECORD	M6H20A	01	EMP-HEIGHT
		02	EMP-WEIGHT
		03	EMP-GENERAL-HEALTH-IND
		04	EMP-LAST-PHYSICAL-DATE
		05	EMP-NEXT-PHYSICAL-EXAM-DATE
		06	EMP-PHYSICAL-RESTRICTIONS
		07	EMP-BLOOD-TYPE

EMP-GENERAL-PERS-INFO-1-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENERAL-PERS-INFO-1-REC	M6J10A	01	EMP-LEVEL-6
		02	EMP-LEVEL-7
		03	EMP-JOB-LOCATION
		04	EMP-POSITION-NUMBER
		05	EMP-JOB-TITLE
		06	EMP-BIRTHDATE
		07	EMP-AGE

EMP-GENERAL-PERS-INFO-2-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENERAL-PERS-INFO-2-REC	M6J40A	01	EMP-CLASSIFICATION
		02	EMP-FULL-TIME-PART-TIME-CODE
		03	EMP-EXEMPT-STATUS-IND
		04	EMP-FEDERAL-JOB-CODE
		05	EMP-JOB-SUPERVISOR
		06	EMP-OFFICE-TELEPHONE-NUMBER
		07	EMP-OFFICE-PHONE-EXTENSION
		08	EMP-MULTIPLE-POSITION-CODE
		09	EMP-ELIGIBLE-JOB-NUMBER-1
		10	EMP-ELIGIBLE-JOB-NUMBER-2
		11	EMP-ELIGIBLE-JOB-NUMBER-3
		12	EMP-RECOMMENDED-JOB-NUMBER-1
		13	EMP-RECOMMENDED-JOB-NUMBER-2
		14	EMP-RECOMMENDED-JOB-NUMBER-3
		15	EMP-JOB-PREFERENCE

EMP-GENERAL-PERS-INFO-3-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENERAL-PERS-INFO-3-REC	M6A10A	01	EMP-MARITAL-STATUS
		02	EMP-GEOGRAPHIC-PREFERENCE
		03	EMP-RESIDENCE-TYPE-IND
		04	EMP-RESIDENT-CITY-CODE
		05	EMP-RESIDENT-COUNTY-CODE
		06	EMP-COUNTRY-OF-CITIZENSHIP
		07	EMP-BIRTHPLACE
		08	EMP-PERS-LAST-MAINT-DATE
		09	EMP-HOME-TELEPHONE-NUMBER
		10	EMP-RELIGIOUS-PREFERENCE-IND
		11	EMP-MARRIAGE-DATE
		12	EMP-SPOUSE-NAME
		13	EMP-SPOUSE-SEX-CODE
		14	EMP-SPOUSE-BIRTHDATE
		15	EMP-SPOUSE-SSN
		16	EMP-EMERGENCY-NAME
		17	EMP-EMERGENCY-ADDRESS-LINE-1
		18	EMP-EMERGENCY-ADDRESS-LINE-2
		19	EMP-EMERGENCY-ZIP-CODE
		20	EMP-EMERGENCY-CONTACT-RELT
		21	EMP-EMERGENCY-TELEPHONE-NO
		22	EMP-PROFILE-1-UPDATE-DATE
		23	EMP-PROFILE-2-UPDATE-DATE
		24	EMP-PROFILE-3-UPDATE-DATE
		25	EMP-606-SPACE-1-X4
		26	EMP-CREDIT-UNION-MEMBER-IND
		27	EMP-DRIVERS-LICENSE-STATE
		28	EMP-DRIVERS-LICENSE-NUMBER
		29	EMP-DRIVERS-LICENSE-EXPR-DT

EMP-GENL-PAYROLL-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENL-PAYROLL-ACCUM-REC	M2B10A	01	EMP-CURR-REGULAR-EARNINGS
		02	EMP-MTD-REGULAR-EARNINGS
		03	EMP-QTD-REGULAR-EARNINGS
		04	EMP-YTD-REGULAR-EARNINGS
		05	EMP-CURR-OVERTIME-EARNINGS
		06	EMP-MTD-OVERTIME-EARNINGS
		07	EMP-QTD-OVERTIME-EARNINGS
		08	EMP-YTD-OVERTIME-EARNINGS
		09	EMP-CURR-OTHER-EARNINGS
		10	EMP-MTD-OTHER-EARNINGS
		11	EMP-QTD-OTHER-EARNINGS
		12	EMP-YTD-OTHER-EARNINGS
		13	EMP-CURR-TOTAL-DEDUCTIONS
		14	EMP-MTD-TOTAL-DEDUCTIONS
		15	EMP-QTD-TOTAL-DEDUCTIONS
		16	EMP-YTD-TOTAL-DEDUCTIONS
		17	EMP-CURR-NET-PAY
		18	EMP-MTD-NET-PAY
		19	EMP-QTD-NET-PAY
		20	EMP-YTD-NET-PAY
		21	EMP-MTD-TIMES-PAID
		22	EMP-QTD-TIMES-PAID
		23	EMP-YTD-TIMES-PAID
		24	EMP-MTD-WEEKS-WORKED
		25	EMP-QTD-WEEKS-WORKED
		26	EMP-YTD-WEEKS-WORKED
		27	EMP-PREPAY-CHECK-NUMBER

EMP-GENL-PAYROLL-INFO-1-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENL-PAYROLL-INFO-1-REC	M2A80A	01	EMP-LAST-MASTER-RECORD-IND
		02	EMP-STATUS-2-IND
		03	EMP-RATE-SALARY-CHANGE-DATE
		04	EMP-EXTENDED-DISTRIBUTION-CD

EMP-GENL-PAYROLL-INFO-2-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-GENL-PAYROLL-INFO-2-REC	M2A50A	01	EMP-EMPLOYMENT-DATE
		02	EMP-TERMINATION-DATE
		03	EMP-CHECK-SEQUENCE-CODE
		04	EMP-PAYROLL-EEOC-CODE
		05	EMP-SHIFT-CODE
		06	EMP-GUARANTEE-PAY-IND
		07	EMP-GUARANTEED-HOURS
		08	EMP-GUARANTEED-RATE
		09	EMP-GUARANTEED-AMT
		10	EMP-GUARANTEED-SALARY
		11	EMP-VACATION-HOURS-AVAILABLE
		12	EMP-SICK-HOURS-AVAILABLE
		13	EMP-FEDERAL-ESTABLISHMENT-CD
		14	EMP-OFCCP-DISABILITY-IND
		15	EMP-OFCCP-DISABILITY-DATE
		16	EMP-PHONE-ID
		17	EMP-PHONE-NUMBER
		18	EMP-PHONE-EXTENSION

EMP-HOURS-ACCUMULATORS-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-HOURS-ACCUMULATORS-REC	M2G10A	01	EMP-CURR-REGULAR-HOURS
		02	EMP-MTD-REGULAR-HOURS
		03	EMP-QTD-REGULAR-HOURS
		04	EMP-YTD-REGULAR-HOURS
		05	EMP-CURR-OVERTIME-HOURS
		06	EMP-MTD-OVERTIME-HOURS
		07	EMP-QTD-OVERTIME-HOURS
		08	EMP-YTD-OVERTIME-HOURS
		09	EMP-SPECIAL-HOURS-CODE
		10	EMP-CURR-SPECIAL-HOURS
		11	EMP-MTD-SPECIAL-HOURS
		12	EMP-QTD-SPECIAL-HOURS
		13	EMP-YTD-SPECIAL-HOURS
		14	EMP-ORG-SPECIAL-HOURS-DESC

EMP-HOURS-EARN-ACCUM-ID-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-HOURS-EARN-ACCUM-ID-REC	M6L20A	01	EMP-BEN-HOURS-EARN-ACCUM-ID

EMP-INJURY-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-INJURY-INFORMATION-REC	M6I10A	01	EMP-INJURY-DATE
		02	EMP-TIME-LOST
		03	EMP-JOB-WHEN-INJURED
		04	EMP-INJURY-TYPE

EMP-INSURANCE-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-INSURANCE-INFO-RECORD	M6C10A	01	EMP-1ST-LIFE-INS-PLAN-IND
		02	EMP-1ST-LIFE-INS-PLAN-TYPE
		03	EMP-1ST-LIFE-INSURANCE-AMT
		04	EMP-2ND-LIFE-INS-PLAN-IND
		05	EMP-2ND-LIFE-INS-PLAN-TYPE
		06	EMP-2ND-LIFE-INSURANCE-AMT
		07	EMP-3RD-LIFE-INS-PLAN-IND
		08	EMP-3RD-LIFE-INS-PLAN-TYPE
		09	EMP-3RD-LIFE-INSURANCE-AMT
		10	EMP-GROUP-HEALTH-INS-IND
		11	EMP-GROUP-HEALTH-INS-TYPE
		12	EMP-GROUP-HEALTH-PLAN-AMT
		13	EMP-GRP-HLTH-INS-DEPENDENTS

EMP-LR-CURRENT-SENIORITY-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-CURRENT-SENIORITY-REC	M7A10A	01	EMP-LR-PROFILE-UPDATE-DATE
		02	EMP-CURR-JOB-STATUS-CODE
		03	EMP-SENIORITY-GROUP-CODE
		04	EMP-CURR-EMPLOYMENT-SNR-DATE
		05	EMP-CURR-EMPLMT-SNR-TIE-NO
		06	EMP-CURR-JOB-SENIORITY-DATE
		07	EMP-CURRENT-JOB-SNR-TIE-NO
		08	EMP-USER-SENIORITY-DATE-1
		09	EMP-USER-SENIORITY-DATE-2
		10	EMP-USER-SENIORITY-DATE-3
		11	EMP-ADJ-USER-SNR-DATE-1
		12	EMP-ADJ-USER-SNR-DATE-2
		13	EMP-ADJ-USER-SNR-DATE-3
		14	EMP-CALC-CURRENT-JOB-SNR-IND
		15	EMP-CALC-CURR-JOB-SNR-METHOD

EMP-LR-DISCIPLINE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-DISCIPLINE-RECORD	M7C10A	01	EMP-VIOLATION-DATE
		02	EMP-DISCIPLINE-FILE-NUMBER
		03	EMP-VIOLATION-TYPE-CODE
		04	EMP-DISCPL-OFFENSE-OCCUR-NO
		05	EMP-DISCIPLINE-TYPE-CODE
		06	EMP-DISCIPLINE-DATE
		07	EMP-DISCIPLINE-LEVEL-3
		08	EMP-DISCIPLINE-LEVEL-4
		09	EMP-DISCIPLINE-LEVEL-5
		10	EMP-DISCIPLINE-LEVEL-6
		11	EMP-DISCIPLINE-LEVEL-7
		12	EMP-DISCIPLINE-SUPERVISOR
		13	EMP-DISCIPLINE-STATUS-CODE

EMP-LR-GRIEVANCE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-GRIEVANCE-RECORD	M7D10A	01	EMP-GRIEVANCE-DATE
		02	EMP-GRIEVANCE-FILE-NUMBER
		03	EMP-GRIEVANCE-TYPE-CODE
		04	EMP-GRIEVANCE-UNION-ID
		05	EMP-GRIEVANCE-UNION-LOCAL-NO
		06	EMP-GRIEV-UNION-SUB-LOCAL-NO
		07	EMP-GRIEVANCE-LEVEL-3
		08	EMP-GRIEVANCE-LEVEL-4
		09	EMP-GRIEVANCE-LEVEL-5
		10	EMP-GRIEVANCE-LEVEL-6
		11	EMP-GRIEVANCE-LEVEL-7
		12	EMP-GRIEVANCE-SUPERVISOR
		13	EMP-GRIEVANCE-STATUS-CODE
		14	EMP-GRIEV-PROC-SETL-DATE-1
		15	EMP-GRIEV-PROC-RESULT-CD-1
		16	EMP-GRIEV-PROC-SETL-DATE-2
		17	EMP-GRIEV-PROC-RESULT-CD-2
		18	EMP-GRIEV-PROC-SETL-DATE-3
		19	EMP-GRIEV-PROC-RESULT-CD-3
		20	EMP-GRIEV-PROC-SETL-DATE-4
		21	EMP-GRIEV-PROC-RESULT-CD-4
		22	EMP-GRIEV-PROC-SETL-DATE-5
		23	EMP-GRIEV-PROC-RESULT-CD-5
		24	EMP-GRIEV-PROC-SETL-DATE-6
		25	EMP-GRIEV-PROC-RESULT-CD-6
		26	EMP-GRIEV-PROC-SETL-DATE-7
		27	EMP-GRIEV-PROC-RESULT-CD-7
		28	EMP-GRIEVANCE-STEP-SETL-ID
		29	EMP-GRIEVANCE-SETTLEMENT-AMT

EMP-LR-HIST-SENIORITY-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-HIST-SENIORITY-RECORD	M7E10A	01	EMP-TRACK-HIST-SENIORITY-IND
		02	EMP-HIST-PREV-POSITION-NO
		03	EMP-HIST-ORIGINAL-POS-DATE
		04	EMP-HIST-POS-SENIORITY-DATE
		05	EMP-HIST-POSITION-LGTH-SERV
		06	EMP-HIST-POSITION-TITLE
		07	EMP-HIST-POSITION-SNR-TIE-NO
		08	EMP-HIST-POSITION-STATUS-CD
		09	EMP-HIST-SENIORITY-GROUP-ID
		10	EMP-HIST-POSITION-UNION-ID
		11	EMP-HIST-POSITION-LEVEL-3
		12	EMP-HIST-POSITION-LEVEL-4
		13	EMP-HIST-POSITION-LEVEL-5

EMP-LR-LAYOFF-RECALL-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-LAYOFF-RECALL-RECORD	M7A20A	01	EMP-LAYOFF-STATUS-CODE
		02	EMP-LAYOFF-DATE
		03	EMP-POSITION-LAYOFF-DATE
		04	EMP-RECALL-POSITION-NUMBER
		05	EMP-LOCATION-LAYOFF-DATE
		06	EMP-RECALLABLE-LEVEL-3
		07	EMP-RECALLABLE-LEVEL-4
		08	EMP-RECALLABLE-LEVEL-5

EMP-LR-UNION-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-LR-UNION-INFO-RECORD	M7B10A	01	EMP-CURR-POSITION-UNION-ID
		02	EMP-UNION-ID
		03	EMP-UNION-LOCAL-NUMBER
		04	EMP-UNION-SUB-LOCAL-NUMBER
		05	EMP-UNION-MEMBERSHIP-DATE
		06	EMP-UNION-MEMBERSHIP-STAT-CD
		07	EMP-ADJ-UNION-MEMBERSHIP-DT
		08	EMP-UNION-OFFICIAL-TYPE-CODE
		09	EMP-UNION-TERMINATION-DATE

EMP-MILITARY-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-MILITARY-INFORMATION-REC	M6B10A	01	EMP-MILITARY-DRAFT-STATUS
		02	EMP-MILITARY-SERVICE-BRANCH
		03	EMP-FINAL-MILITARY-RANKING
		04	EMP-MILITARY-DISCHARGE-TYPE
		05	EMP-MILITARY-DISCHARGE-DATE

EMP-NDFR-PLAN-ID-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-NDFR-PLAN-ID-RECORD	M6K60A	01	EMP-NDFR-PLAN-ID

EMP-NDFR-PLAN-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-NDFR-PLAN-RECORD	M6K40A	01	EMP-NDFR-PLAN-ID
		02	EMP-NDFR-PTCP-STATUS-CODE
		03	EMP-NDFR-PTCP-BEGIN-DATE
		04	EMP-NDFR-PTCP-END-DATE
		05	EMP-NDFR-MEMBERSHIP-NUMBER
		06	EMP-NDFR-BENEFICIARY-CODE
		07	EMP-NDFR-MULT-BENEFIT-OPTION
		08	EMP-NDFR-DOCUMENT-ID
		09	EMP-NDFR-DOC-LAST-SENT-DATE
		10	EMP-NDFR-DOC-WARN-DCR-CNT
		11	EMP-NDFR-CVRG-AMT-TYPE-CD-1
		12	EMP-NDFR-CVRG-AMT-TYPE-CD-2
		13	EMP-NDFR-CVRG-AMT-TYPE-CD-3
		14	EMP-NDFR-CVRG-AMT-TYPE-CD-4
		15	EMP-NDFR-CVRG-AMT-TYPE-CD-5
		16	EMP-NDFR-CVRG-AMT-FMT-CODE-1
		17	EMP-NDFR-CVRG-AMT-FMT-CODE-2
		18	EMP-NDFR-CVRG-AMT-FMT-CODE-3
		19	EMP-NDFR-CVRG-AMT-FMT-CODE-4
		20	EMP-NDFR-CVRG-AMT-FMT-CODE-5
		21	EMP-NDFR-COVERAGE-AMOUNT-1
		22	EMP-NDFR-COVERAGE-AMOUNT-2
		23	EMP-NDFR-COVERAGE-AMOUNT-3
		24	EMP-NDFR-COVERAGE-AMOUNT-4
		25	EMP-NDFR-COVERAGE-AMOUNT-5
		26	EMP-NDFR-ERISA-EVENT-IND-1
		27	EMP-NDFR-ERISA-EVENT-IND-2
		28	EMP-NDFR-ERISA-EVENT-IND-3
		29	EMP-NDFR-ERISA-EVENT-IND-4
		30	EMP-NDFR-ERISA-EVENT-IND-5

EMP-NORMAL-PAY-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-NORMAL-PAY-INFO-RECORD	M2A20A	01	EMP-HOURLY-RATE
		02	EMP-NORMAL-HOURS
		03	EMP-SALARY

EMP-PAYROLL-PREVIOUS-PAY-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PAYROLL-PREVIOUS-PAY-REC	M2A60A	01	EMP-LAST-HOURLY-RATE
		02	EMP-LAST-SALARY

EMP-PAYROLL-PROC-IND-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PAYROLL-PROC-IND-RECORD	M2A40A	01	EMP-CHECK-PRINT-NAME-ADDRESS
		02	EMP-W-2-ISSUED-IND
		03	EMP-TIME-ENTRY-TYPE
		04	EMP-VACATION-HOURS-ACCR-CODE
		05	EMP-SICK-HOURS-ACCRUAL-CODE
		06	EMP-W-2-PENSION-COVERAGE-IND
		08	EMP-1099-MISCELLANEOUS-IND
		09	EMP-1099-R-IND
		10	EMP-PERIOD-ADJ-LABOR-IND
		12	EMP-TIME-TRANSACTION-TYPE

EMP-PERFORMANCE-REVIEW-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PERFORMANCE-REVIEW-REC	M6D10A	01	EMP-PERFORMANCE-REVIEW-DATE
		02	EMP-PERF-REVIEW-SUPERVISOR
		03	EMP-PERF-REVIEW-RATING
		04	EMP-PERFORMANCE-REVIEW-JOB
		05	EMP-NEXT-PERF-REVIEW-DATE
		06	EMP-PROMOTION-READINESS-IND

EMP-PERS-HOURS-ACCUM-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PERS-HOURS-ACCUM-RECORD	M6I20A	01	EMP-PERS-SICK-HOURS-AVAIL
		02	EMP-MTD-SICK-HOURS-TAKEN
		03	EMP-QTD-SICK-HOURS-TAKEN
		04	EMP-YTD-SICK-HOURS-TAKEN
		05	EMP-SICK-HOURS-CARR-FORWARD
		06	EMP-PERS-VAC-HOURS-AVAILABLE
		07	EMP-VACATION-ELIGIBLE-DATE
		08	EMP-MTD-VACATION-HOURS-TAKEN
		09	EMP-QTD-VACATION-HOURS-TAKEN
		10	EMP-YTD-VACATION-HOURS-TAKEN
		11	EMP-VACATION-HOURS-CARR-FWD
		12	EMP-PERS-PD-OTH-HOURS-AVAIL
		13	EMP-MTD-OTHER-PAID-HOURS-TK
		14	EMP-QTD-OTHER-PAID-HOURS-TK
		15	EMP-YTD-OTHER-PAID-HOURS-TK
		16	EMP-PAID-OTHER-HRS-CARR-FWD
		17	EMP-MTD-OTH-UNPAID-HOURS-TK
		18	EMP-QTD-OTH-UNPAID-HOURS-TK
		19	EMP-YTD-OTH-UNPAID-HOURS-TK
		20	EMP-UNPAID-OTH-HRS-CARR-FWD

EMP-PERS-SERVICE-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PERS-SERVICE-INFO-RECORD	M6J20A	01	EMP-PRESENT-JOB-POS-DATE
		02	EMP-PERCENT-TIME-EMPLOYED
		03	EMP-CURR-EMPLOYMENT-DATE
		04	EMP-ADJUSTED-SERVICE-DATE
		05	EMP-CURR-SERVICE-LENGTH
		06	EMP-PREV-SERVICE-HIRE-DATE
		07	EMP-PREV-EMPLMT-TERM-DATE
		08	EMP-PREV-EMPLMT-TERM-REASON
		09	EMP-PREV-EMPLMT-SERVICE-LGTH
		10	EMP-PERS-TERMINATION-DATE
		11	EMP-CURR-EMPLMT-TERM-REASON
		12	EMP-REHIRE-CONSIDERATION-IND
		13	EMP-LEAVE-ABSENCE-REASON
		14	EMP-LEAVE-ABSENCE-BEGIN-DATE
		15	EMP-LEAVE-ABSENCE-END-DATE

EMP-PLAN-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PLAN-RECORD	M2AD1A	01	EMP-PLAN-ID
		02	EMP-PLAN-COVG-BEGIN-DATE
		03	EMP-PLAN-COVG-END-DATE
		04	EMP-PLAN-STATUS
		05	EMP-PLAN-COVG-TYPE
		06	EMP-PLAN-USER-FLD-1
		07	EMP-PLAN-USER-FLD-2

EMP-POS-RELATED-SALARY-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-POS-RELATED-SALARY-REC	M6J70A	01	EMP-SALARY-SPECIFICATION
		02	EMP-SALARY-RANGE-GRADE-CODE
		03	EMP-SALARY-RANGE-STEP-CODE
		04	EMP-JOB-RATING-FACTOR-1
		05	EMP-JOB-RATING-FACTOR-2
		06	EMP-JOB-RATING-FACTOR-3
		07	EMP-JOB-RATING-FACTOR-4
		08	EMP-JOB-RATING-FACTOR-5
		09	EMP-MINIMUM-SALARY
		10	EMP-MIDPOINT-SALARY
		11	EMP-MAXIMUM-SALARY

EMP-PROPERTY-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-PROPERTY-INFO-RECORD	M6C30A	01	EMP-1ST-ORG-PROPERTY-TYPE
		02	EMP-1ST-ORG-PROPERTY-ID
		03	EMP-2ND-ORG-PROPERTY-TYPE
		04	EMP-2ND-ORG-PROPERTY-ID
		05	EMP-3RD-ORG-PROPERTY-TYPE
		06	EMP-3RD-ORG-PROPERTY-ID
		07	EMP-4TH-ORG-PROPERTY-TYPE
		08	EMP-4TH-ORG-PROPERTY-ID
		09	EMP-5TH-ORG-PROPERTY-TYPE
		10	EMP-5TH-ORG-PROPERTY-ID
		11	EMP-PERMANENT-ADVANCE-AMT
		12	EMP-PERM-ADVANCE-DUE-DATE
		13	EMP-BONDED-IND

EMP-RELV1-REPORTING-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-RELV1-REPORTING-RECORD	M3A40C	01	EMP-CURR-RELV1-PROV-WAGES
		02	EMP-MTD-RELV1-PROV-WAGES
		03	EMP-QTD-RELV1-PROV-WAGES
		04	EMP-YTD-RELV1-PROV-WAGES
		05	EMP-CURR-RELV1-QUE-INCM-TAX
		06	EMP-MTD-RELV1-QUE-INCOME-TAX
		07	EMP-QTD-RELV1-QUE-INCOME-TAX
		08	EMP-YTD-RELV1-QUE-INCOME-TAX
		09	EMP-CURR-RELV1-CPP-CONTRIB
		10	EMP-MTD-RELV1-CPP-CONTRIB
		11	EMP-RELV1-QPP-WAGES
		12	EMP-CURR-RELV1-QPP-CONTRIB
		13	EMP-MTD-RELV1-QPP-CONTRIB
		14	EMP-YTD-RELV1-QPP-CONTRIB
		15	EMP-CURR-RELV1-EI-TAX
		16	EMP-MTD-RELV1-EI-TAX
		17	EMP-YTD-RELV1-EI-TAX
		18	EMP-RELV1-RPP-CONTRIBUTION
		19	EMP-RELV1-CHRT-DONATION
		20	EMP-RELV1-UNION-DUES-AMT
		21	EMP-RELV1-PARITY-TOTAL
		22	EMP-RELV1-COMMISSION-AMT
		23	EMP-RELV1-OTHER-INCOME
		24	EMP-RELV1-PATRONAGE-DONATION
		25	EMP-RELV1-OTHER-COMMISSION
		26	EMP-RELV1-HOUSING
		28	EMP-RELV1-USE-OF-EMPLR-AUTO
		29	EMP-RELV1-LOW-FREE-INT-LOAN
		30	EMP-RELV1-OTH-TAXBL-BEN-AMT
		32	EMP-RELV1-UNION-DUES-JNT-CMT
		33	EMP-RELV1-RETIRING-ALLOW
		35	EMP-RELV1-MEDICAL-TRAVEL-AMT
		36	EMP-RELV1-OTHER-TRAVEL-AMT

Logical Record Name	Record ID	Position Indicator	Item Name
		37	EMP-RELV1-PRIV-HEALTH-INS
		38	EMP-RELV1-MULTI-EMP-INS
		39	EMP-RELV1-DEFERRED-WAGES
		40	EMP-RELV1-OTH-INCOME-DOE-CD-3
		41	EMP-RELV1-OTH-INCOME-DOE-CD-2
		42	EMP-RELV1-OTH-INCOME-DOE-CD-1
		43	EMP-RELV1-FOOTNOTE-DOE-CD-4
		44	EMP-RELV1-FOOTNOTE-DOE-CD-5
		45	EMP-RELV1-FOOTNOTE-DOE-CD-6
		46	EMP-RELV1-RPP-DOE-CODE-1
		47	EMP-RELV1-RPP-DOE-CODE-2
		48	EMP-RELV1-RPP-DOE-CODE-3
		49	EMP-RELV1-FOOTNOTE-DOE-CD-7
		50	EMP-RELV1-FOOTNOTE-DOE-CD-8
		51	EMP-RELV1-FOOTNOTE-DOE-CD-9
		52	EMP-RELV1-FOOTNOTE-DOE-CD-1
		53	EMP-RELV1-FOOTNOTE-DOE-CD-2
		54	EMP-RELV1-FOOTNOTE-DOE-CD-3
		55	EMP-RELV1-QPIP-CUR-TAX
		56	EMP-RELV1-QPIP-MTD-TAX
		57	EMP-RELV1-QPIP-YTD-TAX
		58	EMP-RELV1-QPIP-INS-WGS

EMP-RELV2-REPORTING-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-RELV2-REPORTING-RECORD	M3A50C	01	EMP-CURR-RELV2-PROV-TAX
		02	EMP-YTD-RELV2-PROVINCIAL-TAX
		03	EMP-RELV2-PENSION-AMT
		04	EMP-RELV2-LUMP-SUM-PYMT-BFOR
		05	EMP-RELV2-LUMP-SUM-PYMT-AFT
		06	EMP-RELV2-ANNUITY
		07	EMP-RELV2-INCOME-AVG-ANNUITY
		08	EMP-RELV2-DEATH-REFUND
		09	EMP-RELV2-AMT-DEEMED-RECEIVE
		10	EMP-RELV2-CONTRIB-OVPYMT
		11	EMP-RELV2-DEREGSTR-RECEIVED
		12	EMP-RELV2-INELGB-INVESTMENT
		13	EMP-RELV2-OTHER-INCOME-DED
		14	EMP-RELV2-DEDUCTION-ENTITLE
		15	EMP-RELV2-TAX-PAID
		16	EMP-RELV2-FOOTNOTE-DOE-1
		17	EMP-RELV2-FOOTNOTE-DOE-2
		18	EMP-RELV2-FOOTNOTE-DOE-3
		19	EMP-RELV2-FOOTNOTE-DOE-4
		20	EMP-RELV2-FOOTNOTE-DOE-5
		21	EMP-RELV2-FOOTNOTE-DOE-6
		22	EMP-RELV2-FOOTNOTE-DOE-7
		23	EMP-RELV2-FOOTNOTE-DOE-8
		24	EMP-RELV2-FOOTNOTE-DOE-9

EMP-RETIREMENT-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-RETIREMENT-INFO-RECORD	M6C20A	01	EMP-PENSION-PLAN-CODE
		02	EMP-PENSION-PLAN-TYPE
		03	EMP-PENSION-CONTRIBUTION-AMT
		04	EMP-PENSION-ELIGIBLE-DATE
		05	EMP-PROFIT-SHARING-PLAN-CODE
		06	EMP-PROFIT-SHARING-PLAN-TYPE
		07	EMP-PRFT-SHR-ELIGIBLE-SALARY
		08	EMP-PROFIT-SHR-ELIGIBLE-DATE
		09	EMP-STOCK-PLAN-CODE
		10	EMP-STOCK-PLAN-TYPE
		11	EMP-STOCK-PLAN-AMT

EMP-SALARY-CHANGE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SALARY-CHANGE-RECORD	M6E10A	01	EMP-SALARY-INCREASE-EFF-DATE
		02	EMP-SALARY-INCREASE-AMT
		03	EMP-SALARY-CHANGE-PERCENTAGE
		04	EMP-SALARY-CHANGE-REASON
		05	EMP-SALARY-CHANGE-JOB
		06	EMP-NEXT-SALARY-REVIEW-DATE

EMP-SALARY-SPLIT-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SALARY-SPLIT-INFO-RECORD	M2F10A	01	EMP-SALARY-SPLIT-1-PCT
		02	EMP-SALARY-SPLIT-1-LEVEL-3
		03	EMP-SALARY-SPLIT-1-LEVEL-4
		04	EMP-SALARY-SPLIT-1-LEVEL-5
		05	EMP-SPLIT-1-EXTENDED-DISTR
		06	EMP-SALARY-SPLIT-2-PCT
		07	EMP-SALARY-SPLIT-2-LEVEL-3
		08	EMP-SALARY-SPLIT-2-LEVEL-4
		09	EMP-SALARY-SPLIT-2-LEVEL-5
		10	EMP-SPLIT-2-EXTENDED-DISTR
		11	EMP-SALARY-SPLIT-3-PCT
		12	EMP-SALARY-SPLIT-3-LEVEL-3
		13	EMP-SALARY-SPLIT-3-LEVEL-4
		14	EMP-SALARY-SPLIT-3-LEVEL-5
		15	EMP-SPLIT-3-EXTENDED-DISTR
		16	EMP-SALARY-SPLIT-4-PCT
		17	EMP-SALARY-SPLIT-4-LEVEL-3
		18	EMP-SALARY-SPLIT-4-LEVEL-4
		19	EMP-SALARY-SPLIT-4-LEVEL-5
		20	EMP-SPLIT-4-EXTENDED-DISTR
		21	EMP-SALARY-SPLIT-5-PCT
		22	EMP-SALARY-SPLIT-5-LEVEL-3
		23	EMP-SALARY-SPLIT-5-LEVEL-4
		24	EMP-SALARY-SPLIT-5-LEVEL-5
		25	EMP-SPLIT-5-EXTENDED-DISTR
		26	EMP-SALARY-SPLIT-6-PCT
		27	EMP-SALARY-SPLIT-6-LEVEL-3
		28	EMP-SALARY-SPLIT-6-LEVEL-4
		29	EMP-SALARY-SPLIT-6-LEVEL-5
		30	EMP-SPLIT-6-EXTENDED-DISTR
		31	EMP-SALARY-SPLIT-7-PCT
		32	EMP-SALARY-SPLIT-7-LEVEL-3
		33	EMP-SALARY-SPLIT-7-LEVEL-4

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-SALARY-SPLIT-7-LEVEL-5
		35	EMP-SPLIT-7-EXTENDED-DISTR
		36	EMP-SALARY-SPLIT-8-PCT
		37	EMP-SALARY-SPLIT-8-LEVEL-3
		38	EMP-SALARY-SPLIT-8-LEVEL-4
		39	EMP-SALARY-SPLIT-8-LEVEL-5
		40	EMP-SPLIT-8-EXTENDED-DISTR
		41	EMP-SALARY-SPLIT-9-PCT
		42	EMP-SALARY-SPLIT-9-LEVEL-3
		43	EMP-SALARY-SPLIT-9-LEVEL-4
		44	EMP-SALARY-SPLIT-9-LEVEL-5
		45	EMP-SPLIT-9-EXTENDED-DISTR
		46	EMP-SALARY-SPLIT-10-PCT
		47	EMP-SALARY-SPLIT-10-LEVEL-3
		48	EMP-SALARY-SPLIT-10-LEVEL-4
		49	EMP-SALARY-SPLIT-10-LEVEL-5
		50	EMP-SPLIT-10-EXTENDED-DISTR

EMP-SALTA-RECORD1

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SALTA-RECORD1	M3A10U	01	EMP-SALTA-TYPE
		02	EMP-STATE-COUNTY-CITY-CODE
		03	EMP-CURR-SALTA-TOTAL-EARNING
		04	EMP-MTD-SALTA-TOTAL-EARNINGS
		05	EMP-QTD-SALTA-TOTAL-EARNINGS
		06	EMP-YTD-SALTA-TOTAL-EARNINGS
		07	EMP-CURR-SALTA-TAX
		08	EMP-MTD-SALTA-TAX
		09	EMP-QTD-SALTA-TAX
		10	EMP-YTD-SALTA-TAX
		11	EMP-CURR-TOTAL-SUI-WAGES
		12	EMP-MTD-TOTAL-SUI-WAGES
		13	EMP-QTD-TOTAL-SUI-WAGES
		14	EMP-YTD-TOTAL-SUI-WAGES
		15	EMP-CURR-TAXABLE-SUI-WAGES
		16	EMP-MTD-TAXABLE-SUI-WAGES
		17	EMP-QTD-TAXABLE-SUI-WAGES
		18	EMP-YTD-TAXABLE-SUI-WAGES
		19	EMP-CURR-SALTA-DISAB-TAX
		20	EMP-MTD-SALTA-DISABILITY-TAX
		21	EMP-QTD-SALTA-DISABILITY-TAX
		22	EMP-YTD-SALTA-DISABILITY-TAX
		23	EMP-QTD-SALTA-OVERTIME-EARN
		24	EMP-YTD-SALTA-OVERTIME-EARN
		25	EMP-QTD-SALTA-OVERTIME-PREM
		26	EMP-YTD-SALTA-OVERTIME-PREM

EMP-SALTA-RECORD2

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SALTA-RECORD2	M3A20U	26	EMP-QTD-SALTA-WEEKS-WORKED
		27	EMP-YTD-SALTA-WEEKS-WORKED
		28	EMP-SALTA-ESTABLISHMENT-CODE
		29	EMP-CURR-SALTA-SUI-TAX
		30	EMP-MTD-SALTA-SUI-TAX
		31	EMP-QTD-SALTA-SUI-TAX
		32	EMP-YTD-SALTA-SUI-TAX
		33	EMP-TAX-AUTH-SUPPLEMENT-AREA1
		34	EMP-TAX-AUTH-SUPPLEMENT-AREA2
		35	EMP-CURR-SALTA-FUI-WAGES
		36	EMP-MTD-SALTA-FUI-WAGES
		37	EMP-QTD-SALTA-FUI-WAGES
		38	EMP-YTD-SALTA-FUI-WAGES
		39	EMP-CURR-SALTA-EMPLR-FUI-TAX
		40	EMP-MTD-SALTA-EMPLR-FUI-TAX
		41	EMP-QTD-SALTA-EMPLR-FUI-TAX
		42	EMP-YTD-SALTA-EMPLR-FUI-TAX
		43	EMP-CURR-SALTA-OTHER-AMT
		44	EMP-MTD-SALTA-OTHER-AMT
		45	EMP-QTD-SALTA-OTHER-AMT
		46	EMP-YTD-SALTA-OTHER-AMT

EMP-SKILLS-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SKILLS-INFORMATION-REC	M6F10A	01	EMP-SKILL-FUNCTION-CODE
		02	EMP-SKILL-SUBFUNCTION-CODE
		03	EMP-SKILL-EXPERIENCE-YEARS
		04	EMP-SKILL-PROFICIENCY-IND
		05	EMP-SKILL-YEAR-LAST-USED
		06	EMP-SKILL-SUPERVISORY-IND
		07	EMP-SKILL-LOCATION-IND

EMP-SS-OASDI-OPTIONS-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SS-OASDI-OPTIONS-RECORD	M6C50A	01	EMP-SS-CALC-AS-OF-DATE
		02	EMP-SS-CALCULATION-TYPE-CODE
		03	EMP-SS-LAW-EFFECTIVE-DATE
		04	EMP-SS-CURRENT-PAY-RULE-CODE
		05	EMP-SS-BACKWARD-PROJ-OPTION
		06	EMP-SS-BACKWARD-PROJ-FACTOR
		07	EMP-SS-BACKWARD-PROJ-AGE
		08	EMP-SS-FORWARD-PROJ-OPTION
		09	EMP-SS-FORWARD-PROJ-FACTOR
		10	EMP-SS-1ST-RET-PYMT-AGE-YR
		11	EMP-SS-2ND-RET-PYMT-AGE-YR
		12	EMP-SS-1ST-FWD-PROJ-AGE-YR
		13	EMP-SS-2ND-FWD-PROJ-AGE-YR
		14	EMP-SS-1ST-RET-PYMT-AGE-MO
		15	EMP-SS-2ND-RET-PYMT-AGE-MO
		16	EMP-SS-1ST-FWD-PROJ-AGE-MO
		17	EMP-SS-2ND-FWD-PROJ-AGE-MO
		18	EMP-SS-EVENT-DATE

EMP-SS-OASDI-PIA-MFB-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SS-OASDI-PIA-MFB-RECORD	M6C60A	01	EMP-SS-DISABILITY-DEATH-PIA
		02	EMP-SS-1ST-RETIREMENT-PIA
		03	EMP-SS-2ND-RETIREMENT-PIA
		04	EMP-SS-DISABILITY-DEATH-MFB
		05	EMP-SS-1ST-RETIREMENT-MFB
		06	EMP-SS-2ND-RETIREMENT-MFB
		07	EMP-SS-CALCULATION-ERROR-IND

EMP-SUP-ADDR-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-SUP-ADDR-RECORD	M2AD4A	01	EMP-SUP-ADDR-LINE-1
		02	EMP-SUP-ADDR-LINE-2
		03	EMP-SUP-CITY
		04	EMP-SUP-STATE-PROV
		05	EMP-SUP-ZIP-POSTAL
		06	EMP-SUP-CNTRY-CODE
		07	EMP-SUP-ADDR-TYPE

EMP-T4-DOE-REPORTING-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-T4-DOE-REPORTING-RECORD	M3A10C	01	EMP-T4-FOOTNOTE-DOE-CD-4
		02	EMP-T4-FOOTNOTE-DOE-CD-5
		03	EMP-T4-FOOTNOTE-DOE-CD-6
		04	EMP-T4-RPP--DOE-CD-1
		05	EMP-T4-RPP--DOE-CD-2
		06	EMP-T4-RPP--DOE-CD-3
		07	EMP-T4-FOOTNOTE-DOE-CD-7
		08	EMP-T4-FOOTNOTE-DOE-CD-8
		09	EMP-T4-FOOTNOTE-DOE-CD-9
		10	EMP-T4-FOOTNOTE-DOE-CD-1
		11	EMP-T4-FOOTNOTE-DOE-CD-2
		12	EMP-T4-FOOTNOTE-DOE-CD-3

EMP-T4-REPORTING-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-T4-REPORTING-RECORD	M3A20C	01	EMP-T4-ACCUMULATOR-CODE
		02	EMP-CURR-T4-TOT-FED-EARNINGS
		03	EMP-MTD-T4-TOT-FED-EARNINGS
		04	EMP-QTD-T4-TOT-FED-EARNINGS
		05	EMP-YTD-T4-TOT-FED-EARNINGS
		06	EMP-CURR-T4-FEDERAL-TAX
		07	EMP-MTD-T4-FEDERAL-TAX
		08	EMP-QTD-T4-FEDERAL-TAX
		09	EMP-YTD-T4-FEDERAL-TAX
		10	EMP-T4-CPP-CONTRIB-EARNINGS
		11	EMP-CURR-T4-CPP-CONTRIBUTION
		12	EMP-MTD-T4-CPP-CONTRIBUTION
		13	EMP-YTD-T4-CPP-CONTRIBUTION
		14	EMP-CURR-T4-QPP-CONTRIBUTION
		15	EMP-MTD-T4-QPP-CONTRIBUTION
		16	EMP-T4-PENSION-ADJUSTMENT

Logical Record Name	Record ID	Position Indicator	Item Name
		17	EMP-T4-EI-INSURABLE-EARN
		18	EMP-CURR-T4-EI-TAX
		19	EMP-MTD-T4-EI-TAX
		20	EMP-YTD-T4-EI-TAX
		21	EMP-T4-RPP-CONTRIBUTION
		22	EMP-T4-CHARITABLE-DONATIONS
		23	EMP-T4-UNION-DUES-AMT
		24	EMP-T4-STOCK-OPTION-BENEFIT
		25	EMP-T4-COMMISSION-AMT
		26	EMP-T4-HOUSING
		28	EMP-T4-USE-OF-EMPLR-AUTO
		29	EMP-T4-LOW-FREE-INT-LOAN
		30	EMP-T4-OTHER-TAXABLE-BEN-AMT
		32	EMP-T4-MEDICL-OTH-TRAVEL-AMT
		34	EMP-CURR-T4-PROV-TAX
		35	EMP-MTD-T4-PROV-TAX
		36	EMP-QTD-T4-PROV-TAX
		37	EMP-YTD-T4-PROV-TAX
		38	EMP-YTD-T4-QPP-CONTRIBUTION
		39	EMP-T4-QPIP-CUR-TAX
		40	EMP-T4-QPIP-MTD-TAX
		41	EMP-T4-QPIP-YTD-TAX
		42	EMP-T4-QPIP-INS-WGS
		43	EMP-T4-NOELGB-RETIRING-ALLOW
		44	EMP-T4-ELGB-RETIRING-ALLOW

EMP-T4A-REPORTING-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-T4A-REPORTING-RECORD	M3A30C	01	EMP-T4A-ACCUMULATOR-CODE
		02	EMP-CURR-T4A-FEDERAL-TAX
		03	EMP-YTD-T4A-FEDERAL-TAX
		04	EMP-T4A-PENSION-AMT
		05	EMP-T4A-ELGB-RETIRING-ALLOW
		06	EMP-T4A-NON-ELGB-RET-ALLOW
		07	EMP-T4A-LUMP-SUM-PYMT-BEFORE
		08	EMP-T4A-LUMP-SUM-PYMT-AFTER
		09	EMP-T4A-COMMISSION-AMT
		10	EMP-T4A-OTHER-INCOME
		11	EMP-T4A-PATRONAGE-PAYMENTS
		12	EMP-T4A-ANNUITY
		13	EMP-T4A-INCOME-AVG-ANNUITY
		14	EMP-T4A-PENSION-ADJUSTMENT
		15	EMP-T4A-PAST-SERVICE
		16	EMP-T4A-CHARITABLE-DONATIONS
		17	EMP-T4A-TRNSFR-FUNDS-ALLOW
		18	EMP-T4A-FOOTNOTE-DOE-1
		19	EMP-T4A-FOOTNOTE-DOE-2
		20	EMP-T4A-FOOTNOTE-DOE-3
		21	EMP-T4A-FOOTNOTE-DOE-4
		22	EMP-T4A-FOOTNOTE-DOE-5
		23	EMP-T4A-FOOTNOTE-DOE-6
		24	EMP-T4A-FOOTNOTE-DOE-7
		25	EMP-T4A-FOOTNOTE-DOE-8
		26	EMP-T4A-FOOTNOTE-DOE-9
		27	EMP-T4A-RESP-ACCUM-INC
		28	EMP-T4A-RESP-EDUCTN-ASSIST

EMP-TAX-CONTROL-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-TAX-CONTROL-INFO-RECORD	M2C20U	01	EMP-FEDERAL-TAX-METHOD
		02	EMP-FEDERAL-MARITAL-STATUS
		03	EMP-NO-FEDERAL-EXEMPTIONS
		04	EMP-FICA-IND
		05	EMP-FUI-IND
		06	EMP-ADDL-FEDERAL-WHOLD-AMT
		07	EMP-ADDL-FEDERAL-WHOLD-PCT
		08	EMP-STATE-TAX-METHOD
		09	EMP-STATE-MARITAL-STATUS
		10	EMP-NUMBER-STATE-EXEMPTIONS
		11	EMP-ADDL-STATE-WHOLD-AMT
		12	EMP-ADDL-STATE-WHOLD-PCT
		13	EMP-STATE-EXMPT-ALLOWANCE
		14	EMP-WORK-STATE-CODE
		15	EMP-ADDL-WORK-STATE-CODE-1
		16	EMP-ADDL-WORK-ST-TAX-MTHD-1
		17	EMP-ADDL-WORK-STATE-CODE-2
		18	EMP-ADDL-WORK-ST-TAX-MTHD-2
		19	EMP-ADDL-WORK-STATE-CODE-3
		20	EMP-ADDL-WORK-ST-TAX-MTHD-3
		21	EMP-ADDL-WORK-STATE-CODE-4
		22	EMP-ADDL-WORK-ST-TAX-MTHD-4
		23	EMP-ADDL-WORK-STATE-CODE-5
		24	EMP-ADDL-WORK-ST-TAX-MTHD-5
		25	EMP-ADDL-WORK-STATE-CODE-6
		26	EMP-ADDL-WORK-ST-TAX-MTHD-6
		27	EMP-ADDL-WORK-STATE-CODE-7
		28	EMP-ADDL-WORK-ST-TAX-MTHD-7
		29	EMP-ADDL-WORK-STATE-CODE-8
		30	EMP-ADDL-WORK-ST-TAX-MTHD-8
		31	EMP-RESIDENT-STATE-CODE
		32	EMP-WORK-RES-STATE-TAX-MTHD
		33	EMP-SPECIAL-TAX-HANDLING-IND

Logical Record Name	Record ID	Position Indicator	Item Name
		34	EMP-EMPLOYER-SUI-IND
		35	EMP-EMPLOYEE-SUI-IND
		36	EMP-DISABILITY-IND
		37	EMP-COUNTY-TAX-METHOD
		38	EMP-COUNTY-MARITAL-STATUS
		39	EMP-NUMBER-COUNTY-EXEMPTIONS
		40	EMP-COUNTY-AMT-ONE-EXEMPTION
		41	EMP-COUNTY-WITHHOLDING-AMT
		42	EMP-COUNTY-WITHHOLDING-PCT
		43	EMP-COUNTY-CODE
		44	EMP-CITY-TAX-METHOD
		45	EMP-CITY-MARITAL-STATUS
		46	EMP-NUMBER-CITY-EXEMPTIONS
		47	EMP-CITY-AMT-ONE-EXEMPTION
		48	EMP-CITY-WITHHOLDING-AMT
		49	EMP-CITY-WITHHOLDING-PCT
		50	EMP-CITY-TAX-AUTHORITY
		51	EMP-LOCK-IN-MARITAL-STAT
		52	EMP-LOCK-IN-EXEMPTIONS
		53	EMP-STATE-W4-ST-CODE
		54	EMP-STATE-W4-TAX-METHOD
		55	EMP-STATE-W4-MARITAL-STATUS
		56	EMP-STATE-W4-EXEMPTIONS
		57	EMP-STATE-W4-WHOLD-PCT
		58	EMP-STATE-W4-WHOLD-AMT
		59	EMP-STATE-W4-TAX-HANDLE-IND
		60	EMP-STATE-W4-YEAR
		61	EMP-W4-FEDERAL-YEAR

EMP-TIPS-CREDIT-ACCUM-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-TIPS-CREDIT-ACCUM-RECORD	M3A80U	01	EMP-CURR-SS-MED-TIPS-AMOUNT
		02	EMP-MTD-SS-MED-TIPS-AMOUNT
		03	EMP-QTD-SS-MED-TIPS-AMOUNT
		04	EMP-YTD-SS-MED-TIPS-AMOUNT
		05	EMP-CURR-MQGE-TIPS-AMOUNT
		06	EMP-MTD-MQGE-TIPS-AMOUNT
		07	EMP-QTD-MQGE-TIPS-AMOUNT
		08	EMP-YTD-MQGE-TIPS-AMOUNT
		09	EMP-CURR-EMPLR-SS-MED-TIP-CR
		10	EMP-MTD-EMPLR-SS-MED-TIP-CR
		11	EMP-QTD-EMPLR-SS-MED-TIP-CR
		12	EMP-YTD-EMPLR-SS-MED-TIP-CR
		13	EMP-CURR-EMPLR-MQGE-TIP-CRED
		14	EMP-MTD-EMPLR-MQGE-TIP-CRED
		15	EMP-QTD-EMPLR-MQGE-TIP-CRED
		16	EMP-YTD-EMPLR-MQGE-TIP-CRED
		17	EMP-CURR-UNCOLL-SS-TIP-TAX
		18	EMP-YTD-UNCOLL-SS-TIP-TAX
		19	EMP-CURR-UNCOLL-MED-TIP-TAX
		20	EMP-YTD-UNCOLL-MED-TIP-TAX
		21	EMP-CURR-UNCOLL-MQGE-TIP-TAX
		22	EMP-YTD-UNCOLL-MQGE-TIP-TAX

EMP-TOT-TAX-WHOLD-ACCUM-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-TOT-TAX-WHOLD-ACCUM-REC	M2B20U	01	EMP-TOTAL-CURR-STATE-TAX
		02	EMP-TOTAL-MTD-STATE-TAX
		03	EMP-TOTAL-QTD-STATE-TAX
		04	EMP-TOTAL-YTD-STATE-TAX
		05	EMP-TOTAL-CURR-SUI-SDI-TAX
		06	EMP-TOTAL-MTD-SUI-SDI-TAX
		07	EMP-TOTAL-QTD-SUI-SDI-TAX
		08	EMP-TOTAL-YTD-SUI-SDI-TAX
		09	EMP-TOTAL-CURR-COUNTY-TAX
		10	EMP-TOTAL-MTD-COUNTY-TAX
		11	EMP-TOTAL-QTD-COUNTY-TAX
		12	EMP-TOTAL-YTD-COUNTY-TAX
		13	EMP-TOTAL-CURR-CITY-TAX
		14	EMP-TOTAL-MTD-CITY-TAX
		15	EMP-TOTAL-QTD-CITY-TAX
		16	EMP-TOTAL-YTD-CITY-TAX

EMP-TRANSFER-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-TRANSFER-INFORMATION-REC	M6G10A	01	EMP-PREVIOUS-LEVEL-1
		02	EMP-PREVIOUS-LEVEL-2
		03	EMP-PREVIOUS-LEVEL-3
		04	EMP-PREVIOUS-LEVEL-4
		05	EMP-PREVIOUS-LEVEL-5
		06	EMP-PREVIOUS-LEVEL-6
		07	EMP-PREVIOUS-LEVEL-7
		08	EMP-PREVIOUS-JOB-LOCATION
		09	EMP-PREVIOUS-JOB-NUMBER
		10	EMP-TRANSFER-DATE
		11	EMP-TRANSFER-REASON-IND
		12	EMP-PREV-FEDERAL-JOB-CODE
		13	EMP-PREV-EEO-OCCUPATION-CAT

EMP-USER-DATES-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-USER-DATES-RECORD	M6O10A	01	EMP-USER-DATE-1
		02	EMP-USER-DATE-1-IND
		03	EMP-USER-DATE-2
		04	EMP-USER-DATE-2-IND

EMP-USER-PAYROLL-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-USER-PAYROLL-RECORD	M5A10A	01	EMP-USER-PAYROLL-DATA-1
		02	EMP-USER-PAYROLL-DATA-2
		03	EMP-USER-PAYROLL-DATA-3
		04	EMP-USER-PAYROLL-DATA-4
		05	EMP-USER-PAYROLL-DATA-5

EMP-USER-PERSONNEL-1-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-USER-PERSONNEL-1-RECORD	M8A10A	01	EMP-USER-PERSONNEL-DATA-1
		02	EMP-USER-PERSONNEL-DATA-2
		03	EMP-USER-PERSONNEL-DATA-3
		04	EMP-USER-PERSONNEL-DATA-4
		05	EMP-USER-PERSONNEL-DATA-5

EMP-USER-PERSONNEL-2-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-USER-PERSONNEL-2-RECORD	M8B10A	01	EMP-USER-PERSONNEL-DATA-6
		02	EMP-USER-PERSONNEL-DATA-7
		03	EMP-USER-PERSONNEL-DATA-8
		04	EMP-USER-PERSONNEL-DATA-9
		05	EMP-USER-PERSONNEL-DATA-10

EMP-WORKFORCE-UTILZ-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
EMP-WORKFORCE-UTILZ-INFO-REC	M6J30A	01	EMP-JOB-GROUP-CODE
		02	EMP-OCCUP-LOW-SALARY-RANGE
		03	EMP-OCCUP-HIGH-SALARY-RANGE
		04	EMP-SECTOR-ASSIGNMENT-CODE
		05	EMP-JOB-GRP-RECRUIT-LOCATION
		06	EMP-JOB-GROUP-ORGANIZATION
		07	EMP-VETERANS-STATUS-100
		08	EMP-CAREER-PROGRESSION-LN-1
		09	EMP-CAREER-PROGRESSION-SEQ-1
		10	EMP-CAREER-PROGRESSION-LN-2
		11	EMP-CAREER-PROGRESSION-SEQ-2
		12	EMP-CAREER-PROGRESSION-LN-3
		13	EMP-CAREER-PROGRESSION-SEQ-3
		14	EMP-CAREER-PROGRESSION-LN-4
		15	EMP-CAREER-PROGRESSION-SEQ-4
		16	EMP-CAREER-PROGRESSION-LN-5
		17	EMP-CAREER-PROGRESSION-SEQ-5
		18	EMP-VETERANS-STATUS-100A

ORG-SALARY-SPEC-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
ORG-SALARY-SPEC-RECORD	TJB10A	01	ORG-SALARY-FORMAT-CODE
		02	ORG-SALARY-TIME-PERIOD-CODE
		03	ORG-SALARY-SPEC-TITLE
		04	ORG-SALARY-VALUES-CODE

ORG-SALARY-TABLE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
ORG-SALARY-TABLE-RECORD	TJB20A	01	ORG-MIN-ANNUAL-SALARY-AMOUNT
		02	ORG-MIN-HOURLY-SALARY-AMOUNT
		03	ORG-MIDPT-ANNUAL-SALARY-AMT
		04	ORG-MIDPT-HOURLY-SALARY-AMT
		05	ORG-MAX-ANNUAL-SALARY-AMOUNT
		06	ORG-MAX-HOURLY-SALARY-AMOUNT
		07	ORG-SALARY-STEP-MIN-TIME-PER
		08	ORG-SALARY-STEP-MAX-TIME-PER

POS-DTL-EVAL-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-DTL-EVAL-RECORD	J3D10A	01	POS-DTL-EVAL-ITERATION-NO
		02	POS-DTL-EVAL-POINT-1
		03	POS-DTL-EVAL-POINT-2
		04	POS-DTL-EVAL-POINT-NUMERIC-1
		05	POS-DTL-EVAL-POINT-NUMERIC-2

POS-DTL-SALARY-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-DTL-SALARY-INFO-RECORD	J3B10A	01	POS-DTL-EMPLOYEE-SALARY
		02	POS-DTL-EQUIVALENT-SLRY-AMT
		03	POS-DTL-BUDGET-AMOUNT
		04	POS-DTL-ALT-MIN-SALARY-AMT
		05	POS-DTL-ALT-MIDPT-SALARY-AMT
		06	POS-DTL-ALT-MAX-SALARY-AMT
		07	POS-DTL-SALARY-SPEC-CODE
		08	POS-DTL-SALARY-GRADE-CODE
		09	POS-DTL-SALARY-STEP-CODE
		10	POS-DTL-SALARY-FORMAT-CODE
		11	POS-DTL-SALARY-TIME-PER-CODE
		12	POS-DTL-MIN-ANL-SALARY-AMT
		13	POS-DTL-MIN-HRLY-SALARY-AMT
		14	POS-DTL-MIDPT-ANL-SALARY-AMT
		15	POS-DTL-MIDPT-HRLY-SLRY-AMT
		16	POS-DTL-MAX-ANL-SALARY-AMT
		17	POS-DTL-MAX-HRLY-SALARY-AMT
		18	POS-DTL-SLRY-STEP-MIN-TM-PER
		19	POS-DTL-SLRY-STEP-MAX-TM-PER

POS-DTL-SPLIT-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-DTL-SPLIT-INFO-RECORD	J3C10A	01	POS-DTL-SPLIT-HOURS-WORKED
		02	POS-DTL-SPLIT-PER-PCT-WORKED
		03	POS-DTL-SPLIT-MINOR-LEVELS
		04	POS-DTL-SPLIT-FMT-MINOR-LVL

POS-DTL-STATUS-DATE-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
POS-DTL-STATUS-DATE-INFO-REC	J3A10A	01	POS-NUMBER-FORMATTED
		02	POS-TITLE
		03	POS-DTL-CURRENT-STATUS-CODE
		04	POS-DTL-AUTH-STATUS-CODE
		05	POS-DTL-BUDGET-STATUS-CODE
		06	POS-DTL-AVAIL-STATUS-CODE
		07	POS-DTL-ESTABLISHED-DATE
		08	POS-DTL-REQUIRED-DATE
		09	POS-DTL-AUTH-DATE
		10	POS-DTL-AUTH-PER-EXPR-DATE
		11	POS-DTL-BUDGET-APPROVAL-DATE
		12	POS-DTL-BUDGET-PER-BEG-DATE
		13	POS-DTL-BUDGET-PER-EXPR-DATE
		14	POS-DTL-FILLED-VACANT-DATE
		15	POS-DTL-AVAIL-DATE
		16	POS-DTL-AVAIL-PER-EXPR-DATE
		17	POS-DTL-AUTH-PER-BEGIN-DATE
		18	POS-DTL-AVAIL-PER-BEGIN-DATE
		19	EMP-NUMBER
		20	EMP-NAME-FIRST-NAME-FIRST
		21	EMP-NAME-LAST-NAME-FIRST
		22	POS-DTL-MAJ-RESP-MINOR-LEVEL
		23	POS-DTL-MAJ-RESP-FMT-MNR-LVL
		24	POS-DTL-AVAIL-MINOR-LEVELS
		25	POS-DTL-AVAIL-FMT-MINOR-LVL
		26	POS-DTL-PERIOD-PCT-WORKED
		27	POS-DTL-FULL-TM-PART-TM-CODE
		28	POS-DTL-HOURS-WORKED
		29	POS-DTL-LOCATION
		30	POS-DTL-UNION-CODE

POS-DTL-USER-INFORMATION-REC

Logical Record Name	Record ID	Position Indicator	Item Name
POS-DTL-USER-INFORMATION-REC	J3E10A	01	POS-DTL-USER-AREA-1
		02	POS-DTL-USER-AREA-2
		03	POS-DTL-USER-AREA-3

POS-GENERAL-HEADER-INFO-REC

Logical Record Name	Record ID	Position Indicator	Item Name
POS-GENERAL-HEADER-INFO-REC	J2A10A	01	POS-NUMBER-FORMATTED
		02	POS-TITLE
		03	POS-ABOLISH-INDICATOR
		04	POS-CLASSIFICATION-CODE
		05	POS-EEOC-OCCUPATION-CODE
		06	POS-EEOC-EXEMPT-INDICATOR
		07	POS-FEDERAL-JOB-CODE
		08	POS-WORKER-COMPENSATION-CODE
		09	POS-MULT-POSITION-MAX-COUNT
		10	POS-MULT-POSITION-AUTH-COUNT
		11	POS-MULT-POSITION-BUDG-COUNT
		12	POS-MULT-POSITION-FILL-COUNT
		13	POS-MULT-POSITION-USER-CNT-1
		14	POS-MULT-POSITION-USER-CNT-2
		15	POS-MULT-POSITION-USER-CNT-3
		16	POS-ALLOCATED-BUDGET-AMOUNT
		17	POS-FULL-TIME-PART-TIME-CODE
		18	POS-HOURS-WORKED
		19	POS-WEEK-PERCENT-WORKED
		20	POS-SALARY-SPEC-CODE
		21	POS-SALARY-GRADE-CODE
		22	POS-SALARY-STEP-CODE
		23	POS-SALARY-FORMAT-CODE
		24	POS-SALARY-TIME-PERIOD-CODE
		25	POS-MIN-ANNUAL-SALARY-AMOUNT
		26	POS-MIN-HOURLY-SALARY-AMOUNT
		27	POS-MIDPT-ANNUAL-SALARY-AMT
		28	POS-MIDPT-HOURLY-SALARY-AMT
		29	POS-MAX-ANNUAL-SALARY-AMOUNT
		30	POS-MAX-HOURLY-SALARY-AMOUNT
		31	POS-SALARY-STEP-MIN-TIME-PER
		32	POS-SALARY-STEP-MAX-TIME-PER

POS-HEADER-REQMT-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-HEADER-REQMT-INFO-RECORD	J2B10A	01	POS-YEARS-EDUCATION-REQUIRED
		02	POS-DRIVERS-LICENSE-REQD-IND
		03	POS-PHYSICAL-EXAM-REQD-CODE
		04	POS-HEALTH-REQUIREMENT-DESC
		05	POS-PROFSN-LICENSE-MEMBER-1
		06	POS-PROFSN-LICENSE-MEMBER-2
		07	POS-PROFSN-LICENSE-MEMBER-3
		08	POS-PROFSN-LICENSE-MEMBER-4
		09	POS-PROFSN-LICENSE-MEMBER-5
		10	POS-CERTIFICATION-CODE-1
		11	POS-CERTIFICATION-CODE-2
		12	POS-CERTIFICATION-CODE-3
		13	POS-CERTIFICATION-CODE-4
		14	POS-CERTIFICATION-CODE-5

POS-NARRATIVE-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-NARRATIVE-RECORD	TJA10A	01	POS-NARRATIVE-DESCRIPTION

POS-SKILL-REQMT-INFO-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-SKILL-REQMT-INFO-RECORD	J2C10A	01	POS-SKILL-FUNCTION-REQD-CODE
		02	POS-SKILL-SFNCT-REQD-CODE
		03	POS-SKILL-EXPRN-YEARS-REQD
		04	POS-SKILL-PROFC-REQD-CODE
		05	POS-SKILL-REQD-LAST-YR-USED
		06	POS-SKILL-SUPV-REQUIRED-CODE
		07	POS-SKILL-LOCATION-REQD-CODE

POS-USER-INFORMATION-RECORD

Logical Record Name	Record ID	Position Indicator	Item Name
POS-USER-INFORMATION-RECORD	J2D10A	01	POS-USER-AREA-1
		02	POS-USER-AREA-2
		03	POS-USER-AREA-3