



Infor LX Multi-Language Support User Guide

8.4 or later

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About this guide

This guide provides the information required to implement multi-language support (MLS) functionality. This guide explains the MLS functionality and includes the information required to set up and use MLS. This guide includes information about the extension files that are used to implement MLS.

Intended audience

This guide is intended for system administrators who are responsible for setting up and maintaining Infor LX files and system parameters, professionals responsible for managing the data in the various Infor LX master files, and professionals who are responsible for managing translations of data in the master files.

Related documents

You can find the below documents at Documentation Central <https://docs.infor.com>.

- *Infor LX Installation Guide*
- *Infor LX National Language Versions Installation Guide*
- *Infor LX Logic Guide*

You can find the Release Notes in KB Article 2295846 at Infor Concierge <https://concierge.infor.com/>.

- *Infor ERP LX Release Notes V8.3.3*
- *Infor ERP LX Release Notes V8.3.4*
- *Infor LX Release Notes 8.3.5*
- *Infor LX Release Notes 8.4.0*
- *Infor LX Release Notes 8.4.1*
- *Infor LX Release Notes 8.4.2*

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Chapter 1 Introduction

Overview

Multi-Language Support (MLS) enables global customers to consolidate databases that exist in different regions, with different language users, into a single database. You can use MLS to translate and store the names, addresses, and descriptions in your master files. Your internal users can view this data on screens in their own languages. You can also print the translated names, addresses, and descriptions on documents for internal and external use.

To implement MLS, Infor LX uses extension files for certain master files and code tables. Use the extension files to maintain translations of the master file data for the languages that are appropriate for your business. LX includes a mass create option that moves data in your master files to the extension files when you implement MLS. You can set up LX to automatically create records in the extension files each time a new master file record is created. These programs use the Auto Create Language Ext File (ZXL) to determine which languages are required for each application.

The auto create option generates an audit report that lists the records in the extension file and the translation status.

Note: The MLS implementation does not include automatic translation of data. The MLS implementation provides the file structure and display programs that enable you to copy, store, and maintain data in multiple languages.

The LX master file maintenance programs show the name and address or description in the user language as a default. The screens include a Toggle option to switch between the base (master file) language and the user language. The Detail panels also include the language toggle capability when in Display mode.

Master file list programs include language options that you can use to print the translated data. The F4=Prompt window programs show the translated master file and code table data, if it is available.

Outbound Infor LX documents can include the translated information, based on the controlling language for each document.

Infor LX provides language override programs that enable you to manage the translation of master file data. You can access the language override programs from within the master file maintenance programs and from a menu.

If you use the User Defined Fields (UDF) feature, you can use MLS programs to specify and maintain translations of the user-defined field descriptions. Your internal users can see the user-defined screen literals in their own languages. See the *Infor LX Release Notes* for Infor LX 8.3.4.

See Using MLS in IDF on page 45 for information on using MLS with IDF.

Prerequisites

To use the MLS feature, you must have this software installed on your IBM i:

- The NLV libraries that are appropriate for your business
- WebTop 4.7 or later and latest solution records
- IDF 06.03.05 or later

Review these guides:

- Infor LX Installation Guide
- Infor LX National Language Versions Installation Guide
- Infor LX Release Notes

If any errors or omissions are found in this guide after the product release, the updated version will be posted on the Infor Support portal at <https://support.infor.com/allogin/allogin.aspx>. We recommend that you check this Web site for updated instructions.

MLS requirements

To take full advantage of MLS functionality, set up your system and define your business processes to meet these requirements:

- Enter master file data in the global CCSID in the invariant character set. If possible, select a single language that is common to most users. We recommend that the base language contain only characters from the IBM Invariant character set. These characters are represented the same way in every EBCDIC code page and are visible to all users, regardless of their language settings. See Appendix A: Supported Character Set on page 51.

If two or more languages can be represented in a single CCSID, then data from these languages can be entered from a single session. For example, French, Spanish, German, and English data can be entered in a single session because these characters are available in a single CCSID.

- Variant character data that is specific to a CCSID can always be entered into the MLS extension files. Only users set up to view that language CCSID data can properly view or alter the data even though this data is stored correctly in Unicode. This is a restriction of the 5250 job stream which supports only EBCDIC CCSIDs.
- Use designated Unicode MLS files to specify descriptions and addresses in other CCSIDs. Infor LX uses the MLS files to print descriptions and addresses in languages that are defined for Acknowledgements, Bills of Lading, Purchase Orders, Invoices, Shop Orders, etc.
- MLS file data must be specified on a user Interface or 5250 emulator that supports the user's language and the company's global language.
- The printer used to print MLS file data must support the language selected and the global language.

MLS does not support right-to-left languages.

Limitations: The 5250 Emulator and WebTop will indicate “Not Displayable” if data from an MLS file, which is being viewed by the user, cannot be transformed from Unicode into the user’s job CCSID. If normally input capable, the field will be made input disabled to prevent data corruption. For example, a user set up for code page 37 who tries to view Russian data in the Unicode file will receive the message: “Russian data requires code page 1025 to display properly.”

MLS Files

MLS provides extension files for the files in the table below. The table lists this information if applicable:

- Menu option to access the master file
- Infor LX application data that is available for translation
- Master file
- Extension file
- Language server
- Language override program that you use to enter and maintain the translated data.

See Appendix B on page 53.

Menu option	Application	File	Extension file	Language server	Language override
ORD100D1	Address Master Address	EST	ESX	ORD090B	ORD101D
CSH130D1	Bank Branch Address	OBR	OBX	CSH090B	CSH131D
Cartera processing in ACP140D1	Bank Collectors Address	CARBM	CARBX	ACP093B	ACP142D
ACP140D1	Bank Master Address	ABK	ABX	ACP091B	ACP141D
BIL500D	Billing Ship To Address	BBH	ECN	ORD091B	ORD765D
PUR180 PUR181B	Commodity Description, Special Charge Descriptions	HPC	ZLI	INV091B	INV118D QMS174D3
ACR120D1	Company Address	RCO	ROX	ACR092B	ACR121D
SYS117D1	Country Code Description	LCN	LNK	SYS093B	SYS119D
CLD107D1	Currency Code Description	GCM	GCX	CLD090B	CLD117D
IDF Customers	Customer Address	RCM	RCE	ACR090B	ACR101D

Menu option	Application	File	Extension file	Language server	Language override
ORD700D1	Customer Order Ship To Address	ECH / ECHW	ECN / ECNW	ORD091B	ORD765D
ORD150D1	Customer Item Description, Customer Item Additional Description, Vendor Item Description, Vendor Item Additional Description	EIX	EXM	ORD094B	ORD151D
ACR110D1	Customer Terms	RTM	REX	ACR091B	ACR111D
OLM115D	Freight Terms Description	LFT	LFX	OLM091B	OLM116D
SYS091D	Internal Control–Auto Lang Record create	ZXL		None	
	Internal Control–QEW work file		QEW		
BIL500D	Invoice Ship To Address History	SIH	SIN	ORD092B	None
INV160D1	Item Class Description	IIC	ICX	INV093B	INV161D
IDF Enterprise Items	Item Description		ZLI	INV091B	INV118D QMS174D2
OLM510D	Load Shipment Ship To Address	LLX LLXW	LLN LLNW	OLM090B	OLM765D
SYS555D	LX Notes	ZNT	ZNT	SYS094B1	SYS556D
SYS553D	LX Note Types	ZNY	ZYX	SYS094B	SYS554D
ORD170D1	Order Class Description	EOC	EOX	ORD093B	ORD171D
PUR500C PUR600C	Purchase Order Ship To Address Requisition Ship To Address	HPH HPO HPW	HPN HPNW	PUR091B	PUR765D
PUR130D1	Purchase Ship To Address	EST	ESX	ORD090B	PUR131D
SFC100D1	Routing Operation Description	FRT	FRX	SFC090B	SFC105D
SAL100D1	Salesperson Address	SSM	SSX	SAL090B	SAL101D

Menu option	Application	File	Extension file	Language server	Language override
CEA100D1	Segment Value Description	GSV	GST	CEA090B	CEA117D CEA100D5
SFC500D1	Shop Order Routing Operation Description	FOD	FOX	SFC490B	SFC511D
QMS115D1 QMS125D1	Specification / Test Description	QTM	ZLS	QMS090B	QMS130D QMS196D2
SYS105D1	Code Table Code Descriptions		ZCT	SYS090B	SYS106D
SYS105D1	Code Description, Code Short Description, Unit of Measure Code		ZCC	SYS090B	SYS107D3, SYS107D2
IDF Vendors	Vendor Address, Vendor Purchasing Address	AVM	AVX	ACP090B	ACP110D
ACP160D1	Vendor Terms Description	AVT	AVE	ACP092B	ACP161D
INV110D1	Warehouse Description	IWM	IWX	INV090B	INV113D

Language Master file (ZLA)

Important: Review this topic carefully. See “Setting up language codes” on page 22 for instructions to use Language Code Maintenance (SYS825).

The Language Master file (ZLA) includes the Coded Character Set ID (CCSID). When a user signs on, their job CCSID is changed according to the user language CCSID in ZLA. If no CCSID is set for the language, the Infor LX system parameter CCSID is used. If the system parameter CCSID is blank, the CCSID of the Item Master file (IIM) is used.

An LX system parameter indicates whether WebTop jobs should start up using the user’s language CCSID or in system parameter/IIM CCSID. When you set up languages in the ZLA, we recommend that you use the fewest possible CCSIDs to minimize the need for data translations between CCSIDs and to minimize the amount of data which cannot be displayed correctly to a user.

Multi-language options

With MLS you can provide your users with translated names, addresses, and descriptions on screens and on printed documents. Before you set up the MLS feature, decide which information you want to translate and where you want to use the translated information.

Descriptions

You can provide these descriptions in multiple languages:

- Item description, extra description, group tech code, reference, and pack description
- Primary code, description, short description, and notes from the Code Master Table
- Payment Terms description / Customer Terms description
- Freight Terms description and abbreviated description
- Country description and short description
- Chart of Account Segment description
- Currency Description, country, currency unit, and subdivision
- Item Class Description / Special Charge Description
- Order Class Description
- Commodity Description and Special Charge Description
- Customer Item Description and Customer Item Additional Description
- Vendor Item Description and Vendor Item Additional Description
- Routing Operation Description
- DWM Weight Description and Short DWM Weight Description

Names and addresses

You can provide these names and addresses in multiple languages:

- Vendor name and address
- Vendor Purchasing Contact name and address
- Purchasing Ship-To name and address
- Purchasing Ship-From name and address
- Purchasing Return To name and address
- Customer name and address
- Address master name and address
- Ship-to name and address
- Invoice-to name and address
- Promotion Pay-to name and address

- Lock Box-to name and address
- Warehouse name and address
- Bank name and address
- Salesperson name and address
- Company name and address

In addition, programs supporting MLS for name and address fields may also support MLS for Contact Name or Attention To Name.

Transaction Fields

- Customer Purchase Order Number
- Customer order override shipping name and address
- Quote override shipping name and address
- RMA override shipping name and address
- Load shipment override name and address
- Purchase Order ship to override name and address
- Purchase Order Line ship-to override name and address
- Requisition ship to override name and address
- Requisition Line ship-to override name and address

Notes

- Note Type Description
- Customer Notes
- Ship-To Notes
- Invoice-To Notes
- Promotion Pay-To Notes
- Lock Box-To Notes
- Order Notes
- Order Line Notes
- Special Line Notes
- Quote Notes
- Quote Line Notes
- Quote Special Line Notes
- RMA Notes
- RMA Line Notes
- RMA Special Line Notes

- Vendor Notes
- Purchase Order Notes
- PO Line Notes
- Requisition Notes
- Requisition Line Notes
- Item Notes
- Bill of Material Notes
- Routing Notes
- Shop Order Notes
- Shop Order Material Notes
- Shop Order Operation Notes
- System or Global Notes
- UK VAT Notes

Documents

Outbound LX documents use MLS files for printing, based on the controlling language for each document. In all cases, if the language record does not exist in the MLS extension file, the program prints the information in the base language.

See “Reviewing master file language codes” on page 25 for a list of outbound documents and the controlling language for each.

Printing documents in multiple languages

MLS functionality enables you to print addresses, item descriptions, notes and certain other values in multiple languages on internal documents, customer-facing documents, and purchase orders.

Customer orders

The customer order cycle provides several opportunities to use MLS functionality. This diagram illustrates some of the possibilities, as long as the relevant addresses, item descriptions and notes were translated into the appropriate languages:

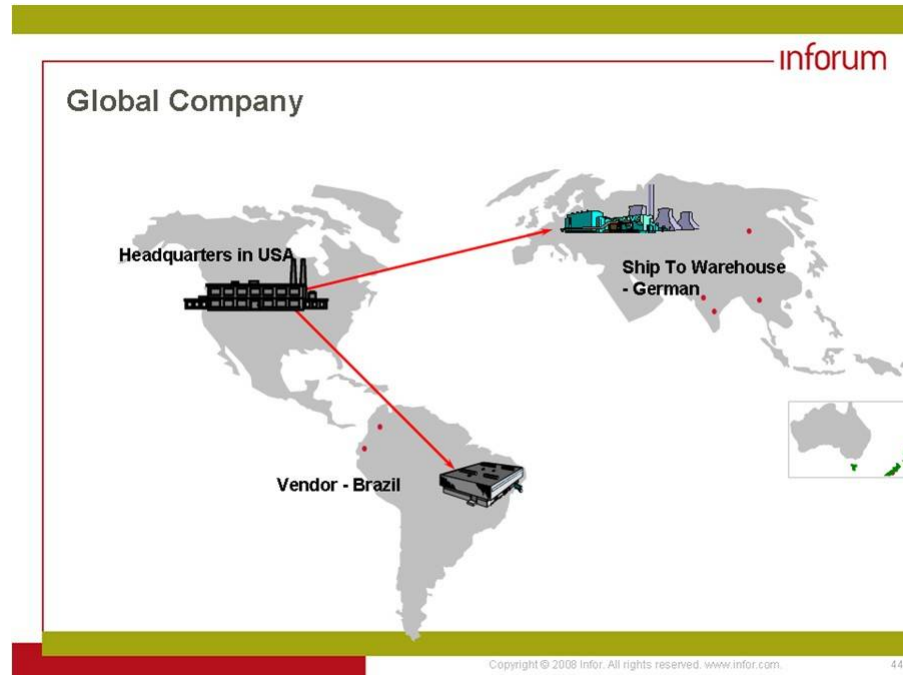


To generate documents with translated data in the customer order cycle include these steps:

- 1 A company in the US receives an order for a customer in Germany and sends the customer an order acknowledgment. The acknowledgment lists the item descriptions on the order in German.
- 2 The ship-from warehouse, located in Argentina, prints the pick slips in Spanish for the local warehouse personnel. The language code for the warehouse controls the language on the pick slips.
- 3 The warehouse uses OLM591B to print the packing list with item descriptions, the warehouse name, and ship-to address in German.
- 4 The warehouse prints the Bill of Lading, Manifest, and Delivery Note in the language on the carrier file (LCM). In this example, the shipping documents show information such as the ship-to address, freight terms description and warehouse address in Chinese.
- 5 The US company sends the invoice in Italian, using the language on the invoice-to customer. In addition to addresses, item descriptions, and special charge descriptions, the invoice can list the customer terms description and currency description in Italian.
- 6 Any customer notes, ship-to notes, item notes, order notes, or order line notes that have been defined to print on those documents will print in Spanish for the pick slip, German for the acknowledgement and packing list, Italian for the invoice.
- 7 If an additional copy of a document is needed in another language, most documents can be reprinted by specifying an override language in ORD798 Document Regeneration. Invoice documents can be reprinted in an override language through BIL550 Invoice Reprint.

Purchase orders

This diagram shows the use of MLS functionality for purchase orders and receipts, as long as the relevant addresses and item descriptions have been translated into the appropriate languages.



To generate documents with translated data in the purchase order cycle include these steps:

- 1 A company in the US sends a purchase order to a vendor in Brazil. The purchase order lists all the item descriptions in Brazilian Portuguese.
- 2 The ship-to warehouse, located in Germany, receives the purchase order. The receiver ticket shows the item descriptions in German.
- 3 Any vendor notes, item notes, purchase order notes or purchase order line notes that have been defined to print on those documents will print in Brazilian Portuguese for the purchase order, and in German for the receiver ticket.

Chapter 2 Setup

Overview

The topics in this chapter discuss only the programs, screens, and fields that apply specifically to MLS.

The process to set up MLS includes these tasks:

- Cleaning up and converting data fields to use CCSID65535.
- Setting up the system CCSID.
- Setting up language codes.
- Setting up users with a defined language code. For 5250 emulation users, assign a host page.
- Reviewing the language fields in your master files to ensure that the correct language code is associated with each entity. Outbound documents are printed in the languages associated with the warehouse, customer, ship-to, or vendor.
- Setting options to auto-create language records.
- Mass creating language records for existing data.

Cleaning up and converting data fields

The conversion of the data fields is performed by the DBUpdate program when you upgrade to LX 8.3.3, 8.3.4, or 8.3.5 or when you convert to Infor LX 8.4.1.

In your existing database, the ZPA.DATA and CARPM.PMDATA fields can contain data that is a mixture of character data and packed decimal data. After the records are processed, the operating system attempts to convert them from the database CCSID to the job CCSID and does not recognize the data as packed decimal. For packed decimal data, this conversion will often change the actual numeric value of the packed decimal data. Data decimal errors or corrupt data may be a result.

To prevent the data decimal errors and corrupt data:

- Assign CCSID 65535 to eliminate code page conversions.
- Use the invariant character set for information that does not represent packed decimal data.

With CCSID 65535, the system does not attempt code page conversions. The ZPA.DATA and CARPM.PMDATA data fields are optionally converted to CCSID 65535 when you run DBUPDATE after the installation of Infor LX V8.3.3 or higher.

If the DATA or PMDATA fields in either file contain characters that do not represent packed decimal data, and which are outside of the Invariant Character set, you should change the data inside your files before you perform the conversion to CCSID 65535. See “Appendix A: Supported Character Set” on page 51.

LX includes program SYS201B that you can use to list the ZPA file and CARPM records that contain variant characters. We recommend that you replace the variant characters with invariant characters before you run DBUPDATE. You can run SYS201B at any time to troubleshoot display errors.

Running SYS201B

Run SYS201B in the LX environment. Call SYS201B from a command line.

SYS201B has one five-character parameter that contains five flags. Each flag is either 1 or 0. Enclose the flags in single quotation marks. The flags are defined as follows:

Flag	Description
1	If 1, the error messages are written to the ZPW file. The program does not clear this file; you must clear the file.
2	If 1, data is scanned for double-byte characters.
3	If 1, data is scanned for lowercase characters.
4	If 1, data is scanned for double quotes (“).
5	If 1, data is scanned for asterisks (*) and percent signs (%).

The program always searches for variant characters. Therefore, you do not need a flag for these characters.

Sample commands

Review these sample commands:

- To use the default command, specify SYS201B with no parameters. The default parameter is 01111. The error records are not written to the error file and all edits occur. Specify this command to use the default parameter:

CALL SYS201B

- Check for variant character and lowercase characters only if you use a double-byte database and a code page that does not include lowercase characters. The errors are not written to the ZPW error file. Specify this command:

CALL SYS201B '00100'

- To write the errors to the ZPW error file and check for variant characters, lowercase, double-byte characters, specify this command:

CALL SYS201B '11100'

Report sample

```

SYS201B                                ** V8.4.0 Development Environment **          WSID QPADEV004
                                         8/20/08 Page ZPA Character Analysis Report      User  TESTER
                                         14:09:18
-----
Record Number   Key           Field Name     Position     Data
-----
1648           ALEXAND       FRREC          1            Forecast Simulation Control for WS
                                         ALEXAND 3333333 333333333 333333 333
2034           APIPARMS      PINAME         9            Serial No.
                                         33333 3
1416           ATTESTR1     FRREC          1            Forecast Simulation Control for WS ATTESTR1
                                         3333333 333333333 333333 333
2015           COMPANY       CONAME         1            ** V8.3.3 Development Environment **
                                         55          33333333333 3333333333 55
1519           MORAZPNQ     FRREC          1            TEST          TESTING #62794
                                         1
2003           RCODEU EC    TRDSC          1            PO Receipt @ expected
                                         cost 333333 1
                                         33333333 33333
767           REA33333     ZRDESC         1            áâãäåçx«È»áªã*än(ÉáÖä@øì»`á1á2á3á4
                                         2222222211112222222222222211112222222222
Error Summary
1. Variant Characters                128
2. Double Byte Characters            38
3. Lower Case Characters              13,938
4. Double Quote Characters            0
5. Asterisk or Percent Characters     27
                                         >> End of Report <<

```

Setting up the System CCSID

The Infor LX database that you install determines your system CCSID setting. For example, if you installed the standard LX database for English and western European languages, use the default CCSID 0937. LX also delivers Japanese, Simplified Chinese, and Russian databases.

The standard LX database, with CCSID 0937, is the most practical to use to implement MLS because all data can be entered in the Invariant Character set. You can then set up users with other language CCSIDs, including the double-byte and eastern European languages.

Although you can specify master file data in any language that uses CCSID 0937, you may decide to specify all master file data in one language. Update master files using the Invariant Character set, the only characters in EBCDIC that are stored in the same place in every code page. See Appendix A: Supported Character Set on page 51.

WARNING! This document does not cover the implementation of a CCSID not previously delivered with Infor LX. You may require Infor Consulting Services (ICS) for assistance in complex cases.

To set up the global CCSID:

- 1 Open the Company Name & Date Format screen, SYS820D-01.
- 2 Specify this information:

System CCSID

Unless you have received a recommendation from ICS that you should use another CCSID, accept the *AUTO default value for system CCSID. When set to *AUTO, LX uses the CCSID on the IIM file to determine the default CCSID value to use. The shipped default database is CCSID 00937, which is Chinese Traditional + US English. The CCSID 00037 is a subset of CCSID 00937.

Use CCSID in Users Language Code for WebTop

To start WebTop jobs with the user's language CCSID, specify **1=Yes**. If you accept the default, **No**, WebTop jobs start with the system CCSID. If you do not define a system CCSID, WebTop jobs start with the CCSID on the IIM file.

Assigning language codes

The language code setup tasks depend on the languages that you are using and whether you want to use MLS for internal users or on external documents.

- Set up language codes. If you use languages other than those whose codes are delivered as priming data, add language codes. If you use the predefined language codes, you must enable MLS for each language.
- Assign language codes to users in SYS600. Set up users to see the screen literals and messages in the appropriate NLV library and to view data that is translated into that language.
- Assign language codes to some master files, for example, the customer master, to print documents in a specific language for a specific customer.

Setting up language codes

Several language codes are pre-populated by the Infor LX priming data update program. Do not alter these language codes. If you are using a supported NLV language such as Spanish, enable MLS for the language code in Language Code Maintenance (SYS825) and then assign the Spanish language code to a user in SYS600.

Language codes are stored in the Language Master File (ZLA). ZLA includes several predefined languages.

You can set up language codes for languages other than English and for those that do not already exist as Infor LX priming data. If you are sharing many languages in an MLS environment, then we strongly recommend that you assign users the non-accented language version of any NLV language. The non-accented languages are built using CCSID 37 and therefore require no code page translation. Processing is faster and fewer problems occur than if you use the accented versions.

To set up a language code:

- 1 On SYS825D1-01, select an existing language code or enter a new language code and press Enter. The system displays the Language Code Maintenance screen, SYS825D2-01.
- 2 Specify this information:

Description

Specify a description of the language.

WebTop help prefix

Specify the prefix for the language in which to display online help in WebTop.

Language Usage

To use a language code for MLS, specify **2=Multi-Language Support** or **3=Both**. If you assign **2=Multi-Language Support**, you can print the language on reports and customer-facing documents and you can assign it to entities such as warehouses and facilities. You cannot assign the language to a user.

To support both MLS and the NLV libraries, specify **3=Both**. You can use the language on printed documents and you can assign the language code to users in Infor LX User Authorization Maintenance, SYS600D1.

Language Library Suffix

Specify the language library suffix for this language code. The system uses this suffix, along with the language library mask, to form the name of the NLV language library. See the *Infor LX Logic Guide* for more information about the language mask.

Code Character Set ID (CCSID)

Leave this field blank unless the CCSID for this language does not match the CCSID of the base language database on your system. When users sign on, their job CCSIDs are changed according to the user language CCSID. If this value is blank, the system uses the System CCSID assigned in SYS820. If the System CCSID value is blank, the system uses the CCSID on the IIM file.

The CCSID codes are assigned to the languages supported by Infor LX. Use the fewest possible CCSIDs so that data can be visible to the largest number of users on your system. For example, use one CCSID for English even though CCSIDs exist for both UK English and US English.

Do not change the CCSID for a supported NLV language unless you have a good understanding of the ramifications of doing so.

Sort Sequence Code Table

The sort sequence table is not required for any language provided with Infor LX except Russian. For Russian, this value is pre-populated with the value LXRUSU1. This table is provided with the Russian database installation. If you use a language that is not provided by Infor, and it requires a sort sequence table, enter that value.

- 3 Use **F6=Accept** to save your entries.

Setting up users

To set up users, assign a language code to the user profiles. You must configure the Client/Access code page for 5205 emulator users.

Assigning a language code

Access the LX User Authorization Maintenance screen, SYS600D1-01, to assign a language code to a user and to give the user authority to the appropriate programs. If you are using the standard LX database for English and western European languages, you do not need to assign a language code to English users. English is the base language shipped for LX.

Users with a language code that is different from the base language should enter data into the extension files in their user language and enter data into master files in the base language.

Configuring PC5250

Users who use the character based UI (green screen) must have a Host Code Page that matches the language code assigned to them in SYS600D1. You must configure each PC to use the correct host page.

- 1 In the IBM Client/Access, select **Communications > Configure** from the menu bar.

The screenshot shows the 'Configure PC5250' dialog box. The 'System name' is set to 'MYLXSERVER'. In the 'Workstation ID' section, the 'Specify workstation ID' radio button is selected, and the text box contains 'MYWKSTN'. There are also checkboxes for 'Add prefix to indicate printer or display', 'Avoid duplicate names on this workstation', and 'Avoid duplicate names with other workstations'. The 'Truncate' section has 'Ending characters' selected. In the 'Type of emulation' section, 'Display' is selected with a size of '24x80', and there is a 'Setup...' button for the printer. Other options include 'Bypass signon' (checked), 'Auto-reconnect' (unchecked), 'Host code-page' (037 United States), and 'Port number' (23). The 'OK', 'Cancel', and 'Help' buttons are at the bottom.

- 2 In the **Host code-page** field, select the code-page that matches the message file CCSID that is assigned to the user.
- 3 Click OK.

Reviewing master file language codes

Outbound LX documents use MLS files for printing names, addresses, descriptions, notes and other values based on the controlling language for each document. LX uses the language code on the master file record to determine the language to use on the printed document. For example, to print a pick slip for Warehouse A, LX uses the language code on the Warehouse Master file (IWM) record for Warehouse A. In all cases, if the language record does not exist in the MLS extension file, the program prints the information in the base language.

The outbound documents and the controlling languages are summarized below. Review the language codes assigned in your master files before you implement MLS to ensure that documents are printed in the correct language. If you do not assign a language code, Infor LX prints the document in the base language. Customer documents such as acknowledgements and packing lists can be reprinted in an override language in ORD798 Document Regeneration. Invoices can be reprinted in an override language in BIL550 Invoice Print.

Document	Source for Language	MLS data printed
ACR220B Customer Statement	A/R Customer	A/R Customer Name, Contact Name, Address (RCE) Currency Description for subtotals by A/R Customer (GCX) Company Name for subtotals by A/R Customer (ROX) Order Notes (ZNT) Customer Notes (ZNT) Ship To Notes (ZNT)
BIL550B Proforma Invoice	Invoice To Customer/Number Language (EST/RCM) if blank, print base language	Invoice To Customer (ESX/RCE) A/R Customer (RCE) Ship To Address (ECN Type 0) A/R Terms description (REX) Currency Description (GCX) Item Description (ZLI) U/M Alt Code (ZCC) Special Charge Description (ICX) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Special Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN) UK VAT Notes (ZNT)

Document	Source for Language	MLS data printed
BIL550B Invoice	Invoice To Customer/Number Language (EST/RCM) if blank, print base language	Invoice To Customer (ESX/RCE) A/R Customer (RCE) Ship To Address (ECN Type 3) A/R Terms description (REX) Currency Description (GCX) Item Description (ZLI) U/M Alt Code (ZCC) Special Charge Description (ICX) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Special Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) MLS Customer PO Number (ECN) UK VAT Notes (ZNT)

Document	Source for Language	MLS data printed
BIL552B Invoice 2	Invoice To Customer/Number Language (EST/RCM) if blank, print base language	Invoice To Customer (ESX/RCE) A/R Customer (RCE) Ship To Address (ECN Type 3) A/R Terms description (REX) Item Description (ZLI) Special Charge Description (ICX) Item Notes (ZNT) Customer Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Special Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN) UK VAT Notes (ZNT)
BIL555B Delivery Note Invoice	Invoice To Customer/Number Language (EST/RCM) if blank, print base language	Invoice To Customer (ESX/RCE) A/R Customer (RCE) Ship To Address (ECN Type 3) Warehouse address (IWX) A/R Terms description (REX) Freight Terms description (LFX) Currency Description (GCX) Item Description (ZLI) U/M Alt Code (ZCC) Item Notes (ZNT) Customer Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Special Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN) UK VAT Notes (ZNT)

Document	Source for Language	MLS data printed
ORD508B Order Acknowledgment Quote Acknowledgment RMA Acknowledgment	Ship To Customer/Number Language (EST/RCM) if blank, print base language	Sold-To Customer Address (RCE) Warehouse Name (IWX) Ship To Address (ECN) Invoice To Name (ESX/RCE) Item Description (ZLI) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) U/M Alt Code (ZCC) Special Charge Description (ICX) Customer PO Number (ECN) Primary Salesperson Name (SSX) Secondary Salesperson Name (SSX) Line Salesperson Name (SSX) Special Line Salesperson Name (SSX) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Special Line Notes (ZNT)

Document	Source for Language	MLS data printed
ORD550B1 Pick Slip	Warehouse language (IWM.LANG) (From Warehouse on regular orders or Resupply orders) if blank, print base language	Sold Customer Address (RCE) Ship To Address (ECN) Warehouse Description (IWX) Item Description (ZLI) Extra Item Description (ZLI) U/M Alt Code (ZCC) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN)
ORD550B2 Batch Pull Report	Warehouse language (IWM.LANG) (From Warehouse on regular orders or Resupply orders) if blank, print base language	Item Description (ZLI) U/M Alt Code (ZCC)
OLM591B Packing List	Ship To Customer/Number Language (EST/RCM) if blank, print base language	Sold Customer Address (RCE) Ship To Address (LLN) Warehouse name (IWX) Item description (ZLI) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN)

Document	Source for Language	MLS data printed
OLM592B1 Regular BOL	Carrier Language (LCM), if blank the Ship To Customer/Number Language (RCM/EST) if blank, print base language	Ship To Address (LLN) Warehouse Name (IWX) Freight Terms description (LFX) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT)
OLM592B2 Hazardous BOL	Carrier Language (LCM), if blank, the Ship To Customer/Number Language (RCM/EST) if blank, print base language	Ship To Address (LLN) Warehouse name (IWX) Freight Terms description (LFX) Item description (ZLI) U/M alternate code (ZCC) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN)
OLM593B Manifest	Carrier Language (LCM), if blank the Ship To Customer/Number Language (RCM/EST) if blank, print base language	Ship To Address (LLN) Warehouse Name (IWX) Freight Terms (LFX) U/M alternate Code (ZCC). Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT)
OLM595B Delivery Note	Carrier Language (LCM), if blank the Ship To Customer/Number Language (RCM/EST) if blank, print base language	Ship To Address (LLN) Ship From Address (IWX) Item Description (ZLI) U/M alternate Code (ZCC) Item Notes (ZNT) Customer Notes (ZNT) Ship-To Notes (ZNT) Order Notes (ZNT) Order Line Notes (ZNT) Extra Item Description (ZLI) Customer Item Description (EXM) Additional Customer Item Description (EXM) Customer PO Number (ECN)

Document	Source for Language	MLS data printed
OLM596B Delivery Note (PO Reject)	Vendor Language (AVM) if blank, print base language	Vendor Address (ESX/AVX) Warehouse address (IWX) Item description (ZLI) U/M alternate code (ZCC)
OLM596B Delivery Note (Warehouse Transfer)	Carrier Language (LCM), if blank Ship To Warehouse Language (IWM) if blank, print base language	Ship To/From Address (IWX) Item Description (ZLI) U/M alternate code (ZCC)
PUR520B PO Print	Vendor (AVM.VMLANG), if blank print base language For Requisitions, if Vendor not assigned use the User Language (ZXU.XULANG) if blank, print base language	Vendor Address/Purchasing Address (AVX) Ship To Address (HPN) Vendor Terms description (AVE) Currency Description (GCX) Company Address (ROX) Item/Commodity/Special Charge Description (ZLI) Extra Item/Additional Commodity/Special Charge Description (ZLI) Alt U/M (ZCC) Item Notes (ZNT) Vendor Notes (ZNT) Purchase Order Notes (ZNT) Purchase Order Line Notes (ZNT)

Document	Source for Language	MLS data printed
PUR524B Scheduled PO Print	Vendor (AVM.VMLANG), if blank print base language.	Vendor Name, Attention To Name (AVX) Purchasing Contact Name, Address (AVX) Vendor Terms Description, Currency Description (GCX) Item Description, Commodity Description (ZLI) Extra Item Description, Additional Commodity Description (ZLI) Unit of Measure Codes (ZCC) Delivery Warehouse Description, Address (IWX) Item Notes (ZNT) Purchase Order Notes (ZNT) Vendor Notes (ZNT)
PUR528W Production Schedule Print	Vendor (AVM.VMLANG), if blank print base language	Vendor Name (AVX) Purchasing Contact Name, Address (AVX) Item Description, Commodity Description (ZLI) Unit of Measure Codes (ZCC) Delivery Warehouse Description, Address (IWX) Item Notes (ZNT) Vendor Notes (ZNT)
PUR551B Receiver Ticket	Warehouse (WLM.WMLANG) if blank, print base language	Vendor Name (AVX) Item/Commodity Description (ZLI) Extra Item/Commodity Description (ZLI) Alt U/M (ZCC) Item Notes (ZNT) Vendor Notes (ZNT) Purchase Order Notes (ZNT) Purchase Order Line Notes (ZNT)

Document	Source for Language	MLS data printed
WHM531B Picking List	Warehouse (IWM.WMLANG) if blank, print base language.	Customer Name (RCE) Item Description (ZLI) Customer Notes (ZNT) Ship To Notes (ZNT) Item Notes (ZNT) Order Notes (ZNT)
WHM533B Pallet List	Warehouse (IWM.WMLANG) if blank, print base language	Item Description (ZLI)
WHM537B Dispatch Label Print	Warehouse (IWM.WMLANG) if blank, print base language	Ship To Customer Address (ECN)

Selecting auto create options

Use Auto Create Language Record Maintenance (SYS091D) to automatically copy records to the corresponding extension file each time you create a master file record or reactivate an existing record. The data that is copied is in the base language and requires translation.

You can also automatically copy records in the UDF files. SYS091D copies the field descriptions and sequence descriptions that were defined in User File Literal Maintenance, SYS108D1. Currently, Infor LX does not support translation of the data that is entered in the user-defined fields.

To set up the auto creation of language records:

- 1 Access Auto Create Language Record Maintenance (SYS091).
- 2 Specify this information:

Act

To auto create language records, specify **1=Create**. Use **3=Copy** to copy a record from one language to another or to create additional records in the same language.

File

Specify the number of the extension file. LX includes these extension files:

- 001 - Customer Master MLS File (RCE)
- 002 - Customer Address MLS File (ESX)
- 003 - Vendor Master MLS File (AVX)
- 004 - Purchase Ship From/To MLS File (ESX)
- 005 - Warehouse MLS File (IWX)
- 007 - Bank Master MLS File (ABX)
- 008 - Vendor Terms MLS File (AVE)
- 009 - Customer Terms MLS File (REX)

- 010 - Company MLS File (ROX)
- 011 - Segment Value Translated Description (GST)
- 012 - Currency MLS File (GCX)
- 013 - Item Master MLS File (ZLI)
- 014 - Item Class MLS File (ICX)
- 015 - Freight Terms MLS File (LFX)
- 016 - Country Code MLS File (LNX)
- 017 - Commodity/Special Chrg MLS File (ZLI)
- 018 - Bank Branch MLS File (OBX)
- 019 - Cartera Bank/Collectors MLS File (CARBX)
- 020 - Specification/Test Extension File (ZLS)
- 021 - Order Class MLS (EOX)
- 025 - Customer Item X-Ref MLS File (EXM)
- 027 - Routing Description MLS File (FRX)
- 028 - Shop Order Routing MLS File (FOX)
- 029 - Salesperson Master MLS File (SSX)

These files do not have separate MLS extension files. Additional language records for MLS translations are created in the master files.

- 006 - ZCC Language Codes (ZCC)
- 022 - User File Literal Header MLS (ULH)
- 023 - User File Literal Detail MLS (ULD)
- 024 - User File Sequence MLS (USF)
- 026 - Notes MLS File (ZNT)

Lang

Specify the language code for translation. The language code must be defined in SYS825D1 with a Language Usage value of **2=Multi Language Support** or **3=Both**.

For future Infor Development Framework (IDF) multi-language applications, we recommend that you create a blank Language record. Enter Language Code '****' for the IDF Language record.

This record is maintained automatically by Infor LX, and it will contain an exact copy of the base language data in the master file. No maintenance or review by the translators is required. Do not create a blank language record for extension file 006; the Base and Language records share the same file, ZCC.

Code Table ID

If the extension file (006) is for a code table, specify a code table that is valid in the ZCT file. To create copies of all the code tables for the language you chose in the Lang field, specify *****. This entry is a Create All instruction. To override the Create All instruction for a specific code table, specify a Table ID. To override the Create All instruction for a specific code table and for all languages, do not specify a language. See the examples below.

Example 1: Create a Chinese language record for all code tables.

Field	Entry
Act	1=Create
File	006
Lang	CHS
Code Table ID	*****

Example 2 :Create a French language record only for the UITMEAS code table.

Field	Entry
Act	1=Create
File	006
Lang	FRE
Code Table ID	UNITMEAS

Example 3: Exclude the UNITMEAS code table from all language records that otherwise would have been created by Table *****

Field	Entry
Act	1=Create
File	006
Lang	
Code Table ID	UNITMEAS

- 3 Press **Enter**. When new records are created in the master file or code table, the records are copied to the corresponding file.
- 4 If you are implementing MLS and you have existing master file data to copy to the extension files, use **F14=Mass Create** to display the Mass Create Language Records, SYS092D-01 screen. See Mass creating language records on page 36.

Mass creating language records

To implement MLS, you can mass create the language records for the existing data in your master files and code tables. The mass create program creates simple copies of the master file data in a new MLS language record which is labeled, for example, Spanish. At this point, the Spanish record does not contain any data that is in Spanish. A linguist must use the language override programs to enter the translation from the base language into the MLS language.

The Mass Create program copies only active master file records.

After you run the Mass Create program for a file and language combination, the **Processed** field, on the Auto Create Language Record Maintenance screen (SYS091D-01), has a value of **1**. If a rerun is required, you can delete the previous record, setting the **Processed** field to **0**, and then re- create it. The Mass Create batch program (SYS092B) will not create duplicates, so there is no risk to processing the same record twice.

Output records are written to the Mass Create Audit Report.

After the mass creation, the MLS language records are marked "Review Required" to indicate that they are ready for translation.

To mass create the language records:

- 1 Access Mass Create Language Records (SYS092D) from a menu or from SYS091D. The system displays the Mass Create Language Records screen, SYS092D-01.

- 2 Specify this information:

File

Specify the extension file or a range of extension files.

Code Table ID

If you specified file 006, or a range that includes file 006, specify a code table ID, or a range of IDs.

Language

Specify the language for the extension file. Leave the field blank to mass create the extension files records in all languages defined in SYS825D1.

Run Time Parameter

Specify **Interactive** to process the data in real time or **Batch** to process the data in the job queue. If you specify interactive processing, your session is unavailable for other tasks until the job.

- 3 Press **Enter** to process the job to mass create the data records.

Chapter 3 Using MLS

Translating master file data

To provide internal users, customers, and vendors with information in their own languages, you must translate the information in your master files. Infor LX includes language override programs that you use to maintain the translations. New records are flagged as “Review Required”. Linguists who are familiar with your business should be designated to regularly review new master file records for required translation into their language.

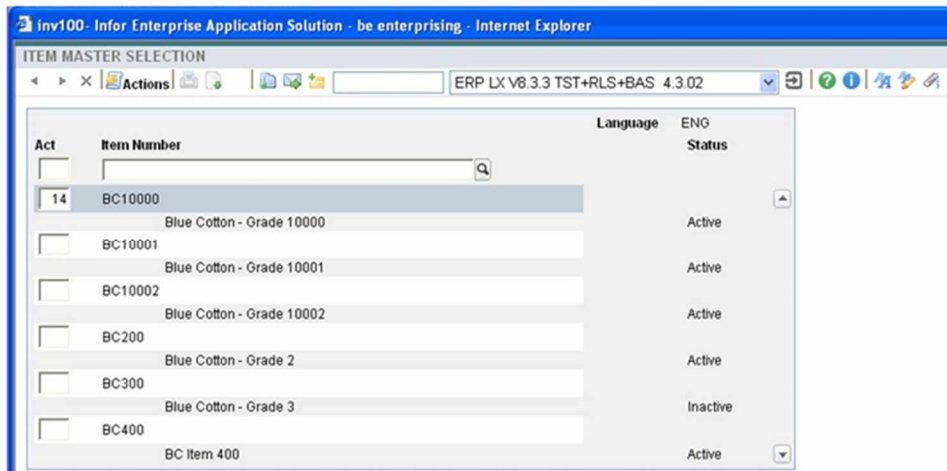
See Chapter 1: Introduction on page 9 for a list of the master file programs and the corresponding language override program.

Translating item master data

You can access language override programs from a menu and from within the master file maintenance program. The Item Master Maintenance (INV100D1) and Item Master Language Override (INV118D) screens are used in this example.

To translate master file data:

- 1 Access Item Master Selection, INV100D1-01.



- 2 Specify action **14=Language Override** next to a record and press **Enter**.

Act	Item/Description	Language	Status
<input type="checkbox"/>	BCITMMLS4	RUS	Review Required
	BCTest222 Desc: MLS 4 Base N		
<input type="checkbox"/>	BC10000	CHT	Review Required
	Blue Cotton - Grade 10000		
2	BC10000	FRE	Review Required
	Blue Cotton - Grade 10000		
<input type="checkbox"/>	BC10000	RUS	Review Required
	Blue Cotton - Grade 10000		
<input type="checkbox"/>	BC10001	CHT	Review Required
	Blue Cotton - Grade 10001		
<input type="checkbox"/>	BC10001	FRE	Review Required
	Blue Cotton - Grade 10001		

- 3 The screen displays the items and their descriptions from the Item Master MLS file (ZLI). Items with status "Review Required" have not been translated. If the item that you want to translate is not in the list, use 1=Create to add a record. In this example, you would select an Item Master record (IIM) and create the corresponding MLS record (ZLI).

To translate a record, specify **2=Revise**. The system displays the Item Language Master Maintenance screen.

Item	Description	Language	Review
BC10000	Blue Cotton - Grade 10000	FRE	1
Item description	Blue Cotton - Grade 10000		1
Eng Form			1
Reference			1
Pack			1
Notes			1

- 4 The information in the master file (IIM) is displayed at the top of the screen. Specify your translation in the fields at the bottom of the screen. If the record that you are translating includes a short description field, enter a short description. Translation of short descriptions is required for MLS users.
- 5 Press **Enter** to save your entries. The Review status is changed to Active.

Printing master file lists in multiple languages

The master file list programs include an override option that allows you to specify the languages to appear on the report. The Company Master Listing screen is used in this example.

To print a master file list:

- 1 Access Company Master Listing, ACR125D-01.

- 2 Specify this information:

Company

Specify a range of companies to include in the report.

Override Print Options

Specify a print option.

Print Option	Description
0	Print the report in master file (base) language.
1	Print the report in the language of the user who submits the job.
2	Print the company information in the language assigned to the company in ACR120D.
3	Print the company information in a specific language. Specify the language.
4	Print the company information in all available languages.

If you select option 1 or 2, but a language record does not exist, the system prints the information from the master file.

If you select option 3 or 4, but a language record does not exist, the report does not include data for that record.

Run Time Parameter

Specify Interactive to process the data in real time or Batch to process the data in the job queue. If you specify interactive processing, your session is unavailable for other tasks until the job finishes.

- Before you submit the job, verify that your printer supports the languages that you select for the report. Press **Enter**.

Displaying multiple language values in Inquiry applications

In general, Inquiry type applications are designed to display the multi language description, name or note in the user's language. If the field is not defined in the user's language, then the description, name or note is displayed in base language.

Translating user-defined descriptions

If you use the UDF feature to create user-defined fields, you can translate the field descriptions to provide your internal users with screens in their own languages. Use User Defined Field Language Override, SYS114D1, to specify translations of the field descriptions. Use User File Literal Maintenance, SYS108D1, to specify translations of the file and sequence descriptions.

You can use SYS091 to automatically create the language records every time that you add a file, sequence, or field description. See Chapter 2: Setup on page 19.

Translating field descriptions

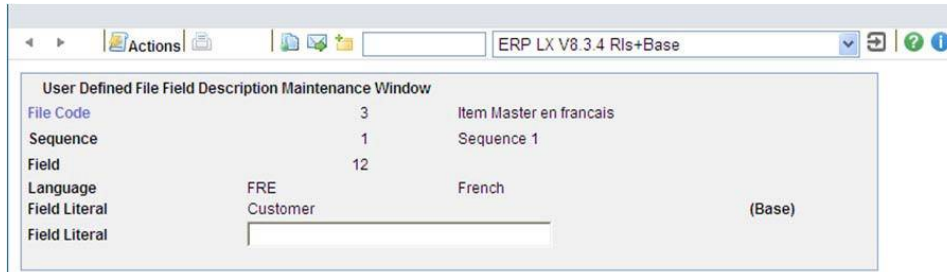
To specify the translation of a field description:

- Access User Defined Field Language Override, SYS114D1, either from SYS108D2-02 or from a menu.



Act	File	Seq	Field	Lang	Description	Status
	3	001	11	GER	Vendor	Review Required
	3	001	12	CHS	Customer	Review Required
	3	001	12	FRE	Customer	Review Required
	3	001	12	GER	Customer	Review Required
	3	001	13	CHS	Sizes	Review Required
	3	001	13	FRE	Sizes	Review Required
	3	001	13	GER	Sizes	Review Required
	3	001	17	CHS	Freight Terms	Review Required
	3	001	17	FRE	Freight Terms	Review Required
	3	001	17	GER	Freight Terms	Review Required
	3	001	19	CHS	Item	Review Required

- Optionally, use **F13=Filters** to select filter and sort options. Specify **2=Revise** next to a field description.



- In the **Field Literal** field, specify the translation of the field description.
- Press **Enter**.
- When you return to the SYS114D1-01 screen, use **F5=Refresh** to change the status of the record.

Translating file descriptions

To enter the translation of a file description:

- Access User File Literal Maintenance, SYS108D1.



- Optionally, use **F13=Filters** to select filter and sort options. Specify **2=Revise** next to a record. Records with status Review Required have not been translated.

User File Description Window

File Code 4

Language GER German - CCSID 937 (Base)

File Description Item Warehouse Master UDF

File Description Item Warehouse Master

Program Code

- 3 Specify the translation of the file description.
- 4 Press **Enter**.

Translating sequence descriptions

To enter the translation of a sequence description:

- 1 Access User File Literal Maintenance, SYS108D1.
- 2 Specify **9=Select** next to a record.

USER FIELD SEQUENCE SELECTION

File Code 4 Language ENG

File Description Item Warehouse Master UDF

Act	Sequence	Sequence Description	Language	Status
	1	Holiday Promotions	GER	Review Required
	625	test sequence	GER	Review Required
	826	LJR seq	GER	Review Required

- 3 Optionally, use **F13=Filters** to select filter and sort options. Specify **2=Revise** next to a record. Records with status Review Required have not been translated.
- 4 Specify the translation of the sequence description and press **Enter**.

Printing item descriptions in multiple languages

Item descriptions can be the most useful information to translate into multiple languages. Pickers can easily verify that they are picking the correct items if they can read the description in their own language. Workers who package orders can verify that the contents are correct if they can read the item descriptions on the packing list. Workers on the receiving dock can verify an incoming shipment against a receiving ticket that shows the item descriptions in their own language.

To translate item descriptions into multiple languages:

- 1 Identify the item descriptions that require translation and the languages into which they will be translated.
- 2 Translate the descriptions as described in "Translating master file data."
- 3 Identify the documents and screens that you want to show the translated descriptions. See "Assigning language codes" in chapter 2 for a list of documents and the master file that controls the language on the document. For example, the language on the vendor master record (AVM) determines the language shown on purchase orders for that vendor.
- 4 Update the master file records to use the correct language code.

Use this same process to provide translations of other information, for example, payment terms descriptions and freight terms descriptions.

Reprinting documents in another language

End user documents that are generated through Order Class events such as Order Entry, Pick Release or Pick Confirm can be regenerated in an override language. For example, you might want shipping documents in the language of a transiting country, any document in a common international language such as for customs officials, an invoice in the language of an auditor or tax authority, or any document in a dual language if that is the custom in certain countries.

For documents that can be regenerated through Document Regeneration (ORD798), the desired reprint language can be specified when using Action 13=Regenerate and Override Language.

For security reasons, reprinting of invoices is controlled through Invoice Reprint (BIL560). The desired reprint language can be specified by selecting F17=Override Language.

Switching the Display to Another Language

The user can temporarily change their display to another language. This can be useful if several users are looking at a transaction or inquiry record, but all users are not familiar with the language on the screen. To switch to another language, exit to any menu, and press **F12=Cancel** from that menu to the LX logo panel.

Note: Some installations may have a customized logo panel with something other than the LX logo.

The F14=Functions from the logo panel shows a list of special functions. Option 11=Change Language lets the user switch the display to a different language. Return here to change back to the user's original language.

To permanently change the default language for a user, specify a different language in Security Maintenance, SYS600.

Chapter 4 Using MLS in IDF

User ID setup before using MLS in IDF

At the system level, the QCCSID system value represents the default CCSID to be used by jobs. The default value for QCCSID is 65535. At the user profile level, a CCSID parameter allows a specific CCSID. Alternatively, a special value *SYSVAL can be specified in which case the QCCSID value will be used.

In addition to CCSID, a system value QLANGID exists, which defines the default language for the system. Correspondingly, a LANGID parameter exists on the user profile, which defines the language for that individual user. Each language identifier has its own associated language CCSID. Check [IBM's Globalization website](#) for more information on CCSIDs.

When a user logs in to the IDF client, a JDBC data connection is made to the system. Since a conversion needs to be made between Unicode on the client and EBCDIC on the server, an EBCDIC job CCSID is needed. The job CCSID is set as follows:

The CCSID of the user's user profile is used to perform a lookup of the IDF file LNGPRF file. If a record is found matching that CCSID the associated user profile in LNGPRF is used to start the JDBC connection. If a record is not found the default MXAPLUS user profile is used with CCSID 37.

If a new record is added to LNGPRF to support users that need CCSIDs that are not already included, then command CRTLNPRF should be run to create that new user profile. Note that if the password for user profile MXAPLUS is changed CRTLNPRF must be run again to synchronize all the language user profiles.

This requirement means that user profiles used by LX should have their CCSIDs set to the same CCSID that their SYS600 Language code is using. Check SYS825 to see the CCSID associated with the language code.

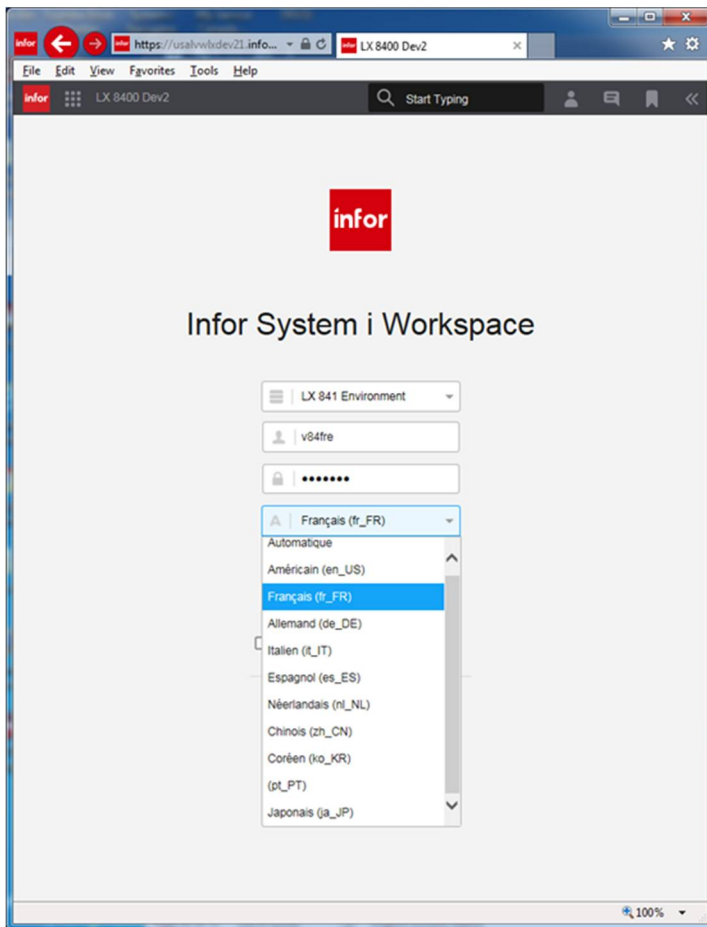
Display MLS data in IDF objects

The IDF objects display MLS data. The attributes with MLS data are placed into object's cards. User is able to add or remove MLS attributes from the cards depends of the business requirements. Currently, there is no maintenance of MLS data in IDF and all changes for MLS data should be done in LX programs. In maintainable objects, the user is able to maintain data in the base language only.

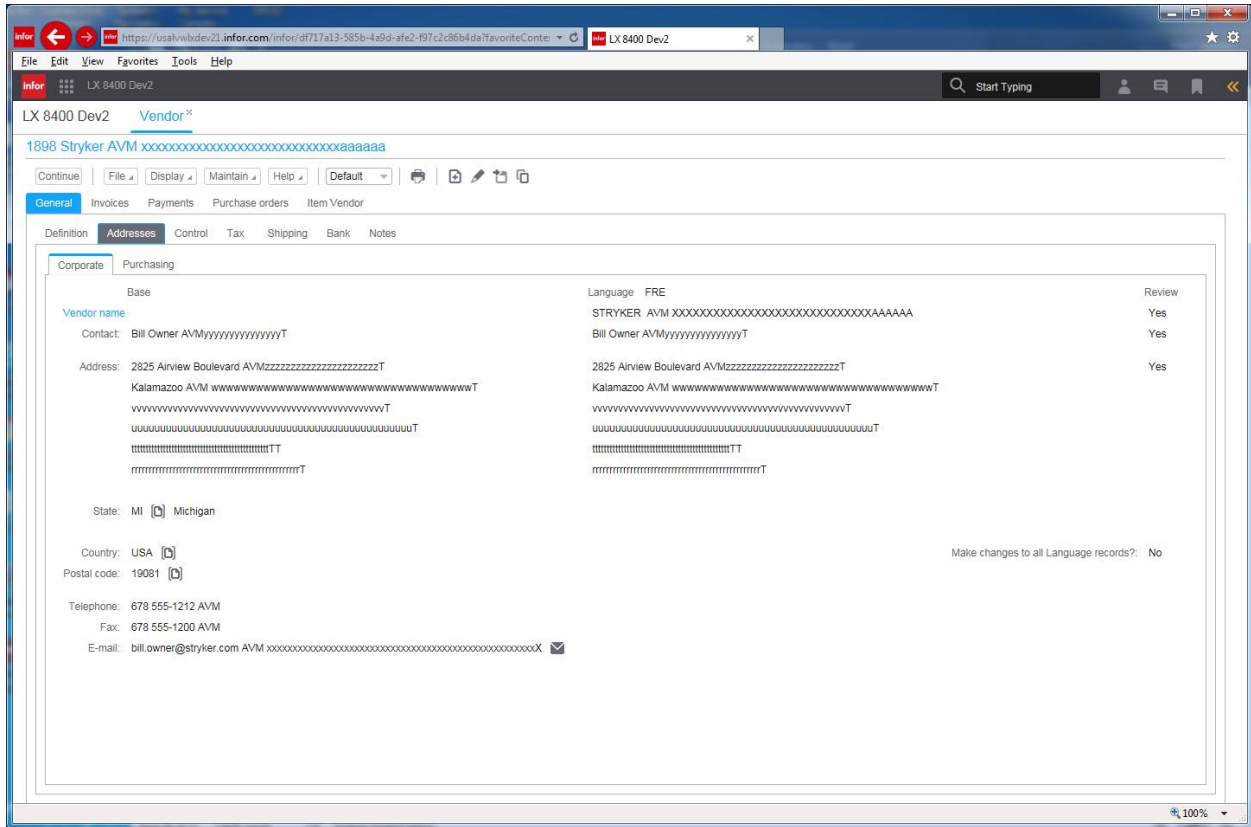
The user is not able to switch between the base and user languages in IDF. That way the data is shown in the Base and User languages in the same cards.

In general, Inquiry applications are designed to display the multi language description or name in the user's language. If the field is not defined in the user's language, then the description or name is displayed in base language.

When a user starts IDF, the language code is available in the drop-down list:

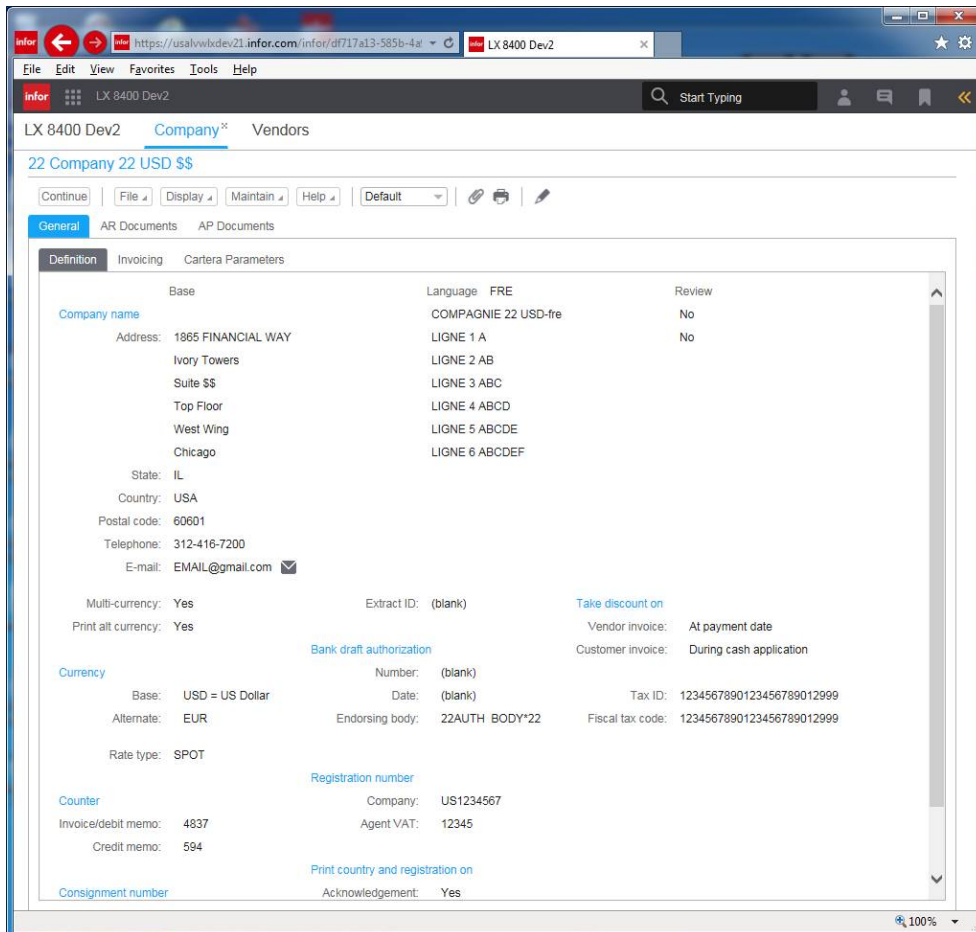
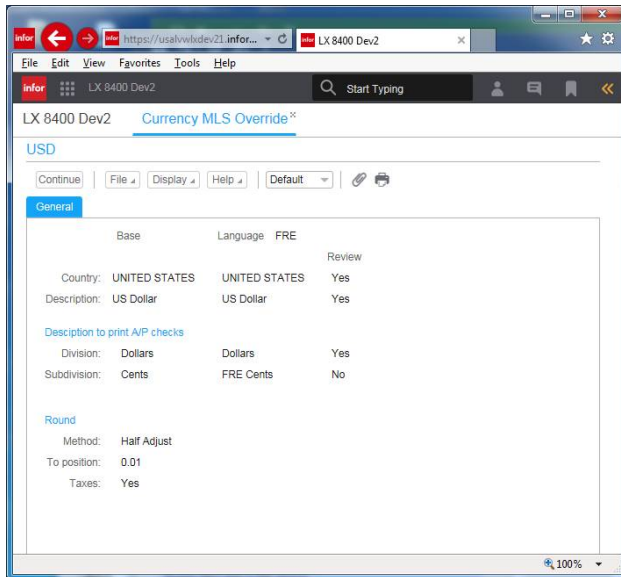


If the MLS data was added, it will be displayed in cards where the MLS attributes are placed for the Base and User languages. For example:



In this example, the Vendor address information shown in the Base (English) and User (French in the right side) languages.

All objects having MLS support show data in the Base and User languages:



MLS objects in IDF

The current list of the objects provided MLS support in IDF is:

- Account Segment Value MLS Extension
- A/R Customer MLS Override
- Bank Branch MLS Override
- Bank MLS Override
- Code Master MLS Override for numerous Code Table values
- Commodity MLS Override
- Company MLS Override
- Country Extension MLS Override
- Country MLS Override
- Currency Extension MLS Override
- Currency MLS Override
- Customer MLS Address Override
- Customer Item MLS Override
- Customer MLS Note
- Customer Order Class MLS Override
- Customer Terms MLS Override
- Enterprise Item MLS Note
- Enterprise Item MLS Override
- Freight Term MLS Extension
- Invoice To MLS Override
- Item MLS Override
- Lock Box To Customer MLS Override
- Lock Box To MLS Override
- Note MLS Line
- Order Address MLS Override
- Order Class MLS Override
- Pricing Customer MLS Override
- Promotion Customer MLS Override
- Promotion Pay To Customer MLS Override
- Promotion Pay To MLS Override
- Purchase Order Address MLS Override
- Quote Address MLS Override
- Requisition Address MLS Override
- RMA Address MLS Override
- Sales History Customer MLS Override

- Sales Representative MLS Address Override
- Ship From MLS Override
- Ship To MLS Override
- Ship To Customer MLS Override
- Sold To Customer MLS Override
- Vendor MLS Address Override
- Vendor Item MLS Override
- Vendor MLS Note
- Vendor Ship To MLS Override
- Warehouse MLS Address
- X-Ref Customer MLS Override

The MLS attributes from MLS objects may be added into any other object having relationship with them.

Appendix A Supported Character Set

If multiple NLV languages share a database, characters that are supported on all languages used in the environment are the only characters that can be safely entered into the master files. The Supported Characters appear the same to all users, no matter which code page is used to view them. Any other characters will appear incorrectly when a user with a different language CCSID views the characters.

The Invariant Character set is fully documented in Appendix B of the IBM Redbook sg242154 found at this link: <http://www.redbooks.ibm.com/redbooks/pdfs/sg242154.pdf> This set of characters is supported in every language. Some additional characters are also supported, this list currently supported is below.

Description	Graphic character	Description	Graphic character
Latin small letter a	a	Latin small letter w	w
Latin capital letter A	A	Latin capital letter W	W
Latin small letter b	b	Latin small letter x	x
Latin capital letter B	B	Latin capital letter X	X
Latin small letter c	c	Latin small letter y	y
Latin capital letter C	C	Latin capital letter Y	Y
Latin small letter d	d	Latin small letter z	z
Latin capital letter D	D	Latin capital letter Z	Z
Latin small letter e	e		
Latin capital letter E	E	Arabic number zero	0
Latin small letter f	f	Arabic number one	1
Latin capital letter F	F	Arabic number two	2
Latin small letter g	g	Arabic number three	3
Latin capital letter G	G	Arabic number four	4
Latin small letter h	h	Arabic number five	5
Latin capital letter H	H	Arabic number six	6

Description	Graphic character	Description	Graphic character
Latin small letter i	i	Arabic number seven	7
Latin capital letter I	I	Arabic number eight	8
Latin small letter j	j	Arabic number nine	9
Latin capital letter J	J		
Latin small letter k	k		
Latin capital letter K	K	Plus sign	+
Latin small letter l	l	Less than sign	<
Latin capital letter L	L	Equal sign	=
Latin small letter m	m	Greater than sign	>
Latin capital letter M	M	Percent sign	%
Latin small letter n	n	Ampersand	&
Latin capital letter N	N	Asterisk	*
Latin small letter o	o	Straight double quote	"
Latin capital letter O	O	Straight single quote	'
Latin small letter p	p	Left parenthesis	(
Latin capital letter P	P	Right parenthesis)
Latin small letter q	q	Comma	,
Latin capital letter Q	Q	Underscore	_
Latin small letter r	r	Hyphen	-
Latin capital letter R	R	Period	.
Latin small letter s	s	Forward Slash	/
Latin capital letter S	S	Colon	:
Latin small letter t	t	Semicolon	;
Latin capital letter T	T	Question mark	?
Latin small letter u	u		
Latin capital letter U	U		
Latin small letter v	v		
Latin capital letter V	V		

Appendix B MLS Files

ABX: Bank Master MLS Address

Base File: ABK Bank Account Master

Language Server: ACP091B

Language Override: ACP141D/B/B1

Field	Description	Unicode (Y/blank)
BXID	Record ID (BX/BZ)	
BXCMPY	Company Number	
BXBANK	Bank Code	
BXCURR	Currency Code	
BXLANG	Language	
BXNAME	Bank Name	Y
BXCONN	Contact Name	Y
BXADR1 to 6	Address Line 1 to 6	Y
BXNAMR	Bank Name Review Flag	
BXCONR	Contact Name Review Flag	
BXADRR	Address Review Flag	
BXREVR	ABX Record Review Flag	
	Create / Maintain Audit fields	

AVE: Vendor Terms MLS Description

Base File: AVT Vendor Terms Master

Where Used: Purchase Order Print (PUR520B) based on Vendor Language Code. For Requisitions, if Vendor not assigned, use User language code.

Language Server: ACP092B

Language Override: ACP161D/B/B1

Field	Description	Unicode (Y/blank)
VEID	Record ID (VE/VZ)	
VETERM	Terms Code	
VELANG	Language	
VETDSC	Description	Y
VEREVR	AVE Record Review Flag	
	Create / Maintain Audit fields	

AVX: Vendor MLS Address File

Base File: AVM Vendor Master

Where Used:

- Purchase Order Print (PUR520B) and Delivery Note (OLM596B) based on Vendor Language Code.
- Receiver Ticket (PUR551B) based on Warehouse LanguageCode.
- Purchase Order Entry as default for HPNW for Ship To Type 2.

Language Server: ACP090B

Language Override: ACP110D/B/B1

Field	Description	Unicode (Y/blank)
VXID	Record ID (VX/VZ)	
VXVEND	Vendor Number	
VXLANG	Vendor Language	
VXVNAM	Vendor Name	Y
VXVCON	Vendor Contact Name	Y
VXVAD1 to 6	Vendor Address Line 1 to 6	Y
VXVNMR	Vendor Name Review Flag	
VXVCNR	Vendor Contact Review Flag	

VXVADR	Vendor Address Review Flag	
VXPCON	Purchasing Contact Name	Y
VXPAD1 to 6	Purchasing Address Line 1 to 6	Y
VXPCNR	Purchasing Contact Review Flag	
VXPADR	Purchasing Address Review Flag	
VXREVR	AVX Record Review Flag	
	Create / Maintain Audit fields	

CARBX: Bank/Collectors MLS Address

Base File: CARBM Bank/Collectors Master File

Language Server: ACP093B

Language Override: ACP142D/B/B1

Field	Description	Unicode (Y/blank)
BXID	Record Id (BX/BZ)	
BXCOMP	Company Number	
BXCODI	Bank Code	
BXCURR	Currency Code	
BXLANG	Language Code	
BXNAME	Bank Name	Y
BXAD1	Address Line 1	Y
BXAD2	Address Line 2	Y
BXNAMR	Bank Name Review Flag	
BXADDR	Address Review Flag	
BXREVR	CARBX Record Review Flag	
	Create / Maintain Audit fields	

ECN/ECNW: Customer Order MLS Address

Base Files: ECH Customer Order Header, EQH Order Quote Header, ERH RMA Header, and BBH Billing Release Header

Where Used:

- Ship To Address in Acknowledge Print (ORD508B) using Ship To Customer / Number Language code.
- Customer Purchase Order Number in Packing List Print (OLM591B), using Ship To Customer/Number Language code.
- Pick Slip Print (ORD550B1) and Dispatch Label Print (WHM537B) using the Warehouse Language code.
- Invoice (BIL550B/BIL552B/BIL555B) using Invoice To Customer/Number Language code.
- Ship To Address in HPNW for Drop Ship Purchase Orders, Purchasing Ship To type '5'.

Language Server: ORD091B

Language Override: ORD765D/B/B1

Field	Description	Unicode (Y/blank)
CNTYOR	'0' Order, '1' Quote, '2' RMA	
CNORDN	Order Number	
CNLANG	Language	
CNSNAM	Ship To Name	Y
CNSATN	Ship To Attention Of	Y
CNSAD1 to 6	Ship To Address Line 1 to 6	Y
CNNAMR	Ship To Name Review Flag	
CNATNR	Ship To Attention Review Flag	
CNADRR	Ship To Address Review Flag	
CNHCP0	Customer PO Number	Y
CNCPOR	Customer PO Number Review Flag	
CNREVR	ECN Record Review Flag	
	Create / Maintain Audit fields	

EOX: Order Class MLS File

Base File: EOC Order Class Master File

Where Used: Programs in which the order class description is displayed.

Language Server: ORD093B

Language Override: ORD170D/B/B1

Field	Description	Unicode (Y/blank)
OXID	Record ID (OZ/OZ)	
OXOCLS	Order Class	
OXLANG	Language	
OXOCDS	Description	Y
OXREVR	EOX Record Review Flag	

ESX: EST MLS Override Address File

Base File: EST Customer/Vendor

Ship-To

Where Used:

- Customer Order Entry as default for ECNW when Ship To not 0 and in Purchase Order Entry as default for HPNW for Ship To type 0.
- Bill To Name in Order Acknowledgement (ORD508B) using Ship To Customer/Number Language code.
- Invoice To Customer/Number Address in Invoice Print (BIL550B/BIL552B/BIL555B) using Invoice To Customer / Number Language code.
- Ship From address in Delivery Note (OLM596B) based on Vendor Language Code. Language Server: ORD090B

Language Override: ORD101D/B/B1 and PUR131D

Field	Description	Unicode (Y/blank)
SXID	Record ID (SX/SZ)	
SXCUST	Customer Number	
SXSHIP	Ship To Number	
SXADTP	Address Type	
SXLANG	Language	
SXSNAM	Ship To Name	Y

Field	Description	Unicode (Y/blank)
SXATNM	Attention To Name	Y
SXSAD1 to 6	Address Line 1 to 6	Y
SXSNMR	Ship To Name Review Flag	
SXATNR	Attention To Review Flag	
SXSADR	Address Review Flag	
SXREVR	ESX Record Review Flag	
	Create / Maintain Audit fields	

EXM: Customer Item X-Reference

Base File: EXM

Where Used:

- Acknowledgement Print (ORD508B)
- Packing List Print (OLM591B)
- Invoice Print (BIL550B/BIL552B/BIL555B)
- Purchase Order Print (PUR520)

Language Server: ORD094B

Language Override: ORD151D

Field	Description	Unicode (Y/blank)
XMID	Record ID	
XMITEM	Customer Item Number	
XMPROD	Internal Item Number	
XMCUST	Customer Number	
XMSHIP	Ship to Number	
XMCVFL	Type-Customer/Vendor/Synonym	
XMLANG	Language	
XMDESC	Item X-Ref Description	
XMDESR	X-Ref Description Review Required	
XMDES2	Additional X-Ref Description	

XMDS2R	Additional Desc Review Required
	Create / Maintain Audit fields

FOX: Shop Order Routing MLS Description

Base File:

FOD

Where

Used:

- Shop Packet Print (JIT522B)
- Shop Labor Tickets Print (SFC510B)
- Shop Order Print (SFC560B)
- Dispatch List (SF230B)
- JIT Production Reporting (JIT621B)
- Shop Order Production Reporting (SFC652B/SFC654B)
- Production Posting and Update (SFC620B) Language Server: SFC490B
- Language Override: SFC511D

Field	Description	Unicode (Y/blank)
OXID	Record ID	
OXORD	Shop Order Number	
OXOPNO	Operation	
OXLANG	Language	
OXOPDS	Operation Description	Y
OXOPD2	Operation Description 2	Y
OXOPDR	Operation Description Review Flag	
OXREVR	FOX Record Review Flag	
	Create / Maintain Audit fields	

FRT: Routing Master MLS Description

Base File: FRT

Where Used:

- Shop Order Entry/Maintenance (SFC500) and other production order creation programs

Language Server:

SFC090B Language

Override: SFC105D

Table heading	Table heading	Table heading
RXID	Record ID	
RXPROD	Product Number	
RXWHS	Warehouse (holds Facility)	
RXRTEM	Routing Method Code	
RXOPNO	Operation	
RXLANG	Language	
RXOPDS	Operation Description	Y
RXOPD2	Operation Description 2	Y
RXOPDR	Operation Description Review Flag	
RXREVR	FOX Record Review Flag	
	Create / Maintain Audit fields	

GCX: Currency Code MLS Description

Base File: GCM Currency Code Master File

Where Used: Currency description in Invoice Print (BIL550B/BIL555B) using Invoice To Customer / Number language code, and in Statement Print (ACR220B) using A/R Customer language code.

Language Server: CLD090B

Language Override: CLD117D/B/B1

Field	Description	Unicode (Y/blank)
CXID	Record ID (CX/CZ)	

Field	Description	Unicode (Y/blank)
CXCURC	Currency Code	
CXLANG	Language	
CXCNTY	Country	Y
CXDESC	Currency Description	Y
CXCNAM	Currency Name	Y
CXCSub	Currency Subdivision	Y
CXCNTR	Country Review Flag	
CXDESR	Description Review Flag	
CXNAMR	Name Review Flag	
CXSUBR	Subdivision Review Flag	
CXREVR	GCX Record Review Flag	
Create / Maintain Audit fields		

GST: Segment Value Translated Description

Language Server: CEA090B

Language Override: CEA117D/B/B1

Field	Description	Unicode (Y/blank)
STDESC	Description	Y
STREVR	GST Record Review Flag	
Create / Maintain Audit Fields		

HPN/HPNW: Purchase Order MLS Address

Base File: HPH/HPO Purchase Order Header and HPO Purchase Order Detail

Where Used: Ship To Address in Purchase Order and Requisition Print (PUR520) using Vendor Language code or for Requisitions if no Vendor, User language code.

Language Server: PUR091B

Language Override: PUR765D/B/B1

Field	Description	Unicode (Y/blank)
PNID	Record ID (PN/PZ)	
PNTYOR	'0' Order '1'Requisition	
PNORDN	Order Number	
PNLINE	Line Number	
PNLANG	Language	
PNSNAM	Ship To Name	Y
PNSATN	Ship To Attention To	Y
PNSAD1 to D6	Ship To Address Line 1 to 6	Y
PNNAMR	Ship To Name Review Flag	
PNATNR	Ship To Attention Review Flag	
PNADRR	Ship To Address Review Flag	
PNREVR	HPN Record Review Flag	
	Create / Maintain Audit fields	

ICX: Item Class MLS Description

Base File: IIC Item Class

Master Where Used:

- Special Charge Description in Order Acknowledgement (ORD508B) based on Ship To Customer/Number Language code.
- Special Charge Description in Invoice Print (BIL550B/BIL552B/BIL555B) based on Invoice To Customer/Number Language code.

Language Server: INV093B

Language Override: INV161D/B/B1

Field	Description	Unicode Y/blank
CXID	Record ID (CX/CZ)	
CXICLS	Item Class	
CXLANG	Language	
CXCDES	Item Class Description	Y

Field	Description	Unicode Y/blank
CXREVR	ICX Record Review Flag	
	Create / Maintain Audit fields	

IWX: IWM MLS Override Address File

Base File: IWM Warehouse

Master Where used:

- Warehouse Name in Order Acknowledgement (ORD508B), Packing List (OLM591B) based on Ship To Customer / Number Language code.
- Ship To/From address in Delivery Note (OLM596B) based on Warehouse Language code.
- Warehouse description in BOL (OLM592B1/B2), Manifest (OLM593B), Delivery Note (OLM595B) using the Carrier Language or if blank the Ship To Customer/Number Language code or Customer Language code.
- Delivery Note (OLM595B) based on the Warehouse Language or, if blank, the Ship To Customer/Number Language code or Customer Language code.
- Default for HPNW in Purchase Order Entry if Ship To type is '3' and for HPN in OLM Service PO create (OLM575B3).

Language Server: INV090B

Language Override: INV113D/B/B1

Field	Description	Unicode (Y/blank)
WXID	Record ID (WX/WZ)	
WXWHSE	Warehouse	
WXLANG	Language	
WXDESC	Description	Y
WXCONN	Contact Name	Y
WXAD1 to 6	Address Line 1 to 6	Y
WXDESR	Description Review Flag	
WXCONR	Contact Name Review Flag	
WXADDR	Address Review Flag	
WXREVR	IWX Record Review Flag	
	Create / Maintain Audit fields	

LFX: Freight Terms MLS Description

Base File: LFT Freight Terms

Master Where used:

- Delivery Note Invoice Print (BIL555B) based on Invoice To Customer/Number Language code.
- BOL Print (OLM592B1/B2) and Manifest Print (OLM593B) based on the Carrier Language and if blank, the Ship To Customer / Number Language code.

Language Server: OLM091B

Language Override: OLM116D/B/B1

Field	Description	Unicode (Y/blank)
FXID	Record ID (FX/FZ)	
FXTRMC	Freight Terms Code	
FXLANG	Language	
FXDESC	Description	Y
FXSDSC	Terms Short Description	Y
FXDSCR	Description Review Flag	
FXSDSR	Short Description Review Flag	
FXREVR	LFX Record Review Flag	
	Create / Maintain Audit fields	

LLN/LLNW: Load Shipments MLS Address

Base File: LLX/LLXW Load

Shipments Where used:

- Ship To Address on BOL (OLM592B1/B2), Manifest OLM593B, Delivery Note (OLM595B) using the Carrier Language or if blank Ship To Customer/NumberLanguage.
- Ship To Address on Packing List (OLM591B) using the Ship To Customer/Number Language.
Language Server: OLM090B

Language Override: OLM765D/B/B1

Field	Description	Unicode (Y/blank)
LNSHPM	Shipment Number	

LNORDN	Order Number	
LNIMTR	Intermodal Transfer Number	
LNLANG	Language	
LNCNAM	Ship To Name	Y
LNCONT	Attention To Name	Y
LNADR1 to 6	Ship To Address Line 1 to 6	Y
LNNAMR	Ship To Name Review Flag	
LNATNR	Ship To Attention Review Flag	
LNADRR	Ship To Address Review Flag	
LNREVR	LLN Record Review Flag	
	Create / Maintain Audit fields	

LNx: Country Code MLS Description

Base File: LCN Country Master

Language Server: SYS093B

Language Override:

SYS119D/B/B1

Field	Description	Unicode (Y/blank)
NXID	Record ID (NX/NZ)	
NXCNTY	Country Code	
NXLANG	Language	
NXDESC	Description	Y
NXSDSC	Short Description	Y
NXDSCR	Description Review Flag	
NXSDSR	Short Description Review Flag	
NXREVR	LNx Record Review Flag	
	Create / Maintain Audit fields	

OBX: Bank Branch MLS Address

Base File: OBR Bank Branch

Language Server: CSH090B

Language Override:

CSH131D/B/B1

Field	Description	Unicode (Y/blank)
BXID	Record ID (BX/BZ)	
BXBNKC	Bank Code	
BXBRNO	Branch	
BXLANG	Language	
BXBKNM	Bank Name	Y
BXADRN	Branch Name	Y
BXATTN	Attention To Name	Y
BXADR1 to 6	Address Line 1 to 6	Y
BXBKNR	Bank Name Review Flag	
BXBRNR	Branch Name Review Flag	
BXATNR	Attention To Review Flag	
BXADRR	Address Review Flag	
BXREVR	OBX Record Review Flag	
	Create / Maintain Audit fields	

RCE: Customer MLS Address

Base File: RCM Customer

Master Where used:

- Sold To Address in Order Acknowledgement (ORD508B) and Packing List (OLM591B) using Ship To Customer / Number Language code.
- Sold To Address in Pick Slip (ORD550B1) and WHM531B using the Warehouse Language code.
- Invoice To and A/R Customer Address in Invoice Print (BIL550B/BIL552B/BIL555B) using Invoice to Customer / Number language code.
- A/R Customer Name, Contact Name and Customer Address in Statement Print (ACR220) using A/R Customer Language code.
- Default for HPNW in Purchase Order Entry when Ship To type is '1'. Language Server: ACR090B

Language Override: ACR101D/B/B1

Field	Description	Unicode (Y/blank)
CEID	Record ID (CE/CZ)	
CECUST	Customer Number	
CELANG	Customer Language	
CECNAM	Customer Name	Y
CECCON	Customer Contact Name	Y
CECAD1 to 6	Customer Address Line 1 to 6	Y
CENAMR	Customer Name Review Flag	
CECONR	Contact Name Review Flag	
CEADRR	Address Review Flag	
CEREVR	RCE Record Review Flag	
	Create / Maintain Audit fields	

REX: Customer Terms MLS Description

Base File: RTM A/R Terms Master File

Where used: Terms description in Invoice Print (BIL550B/BIL552B/BIL555B) using Invoice To Customer/Number language code.

Language Server: ACR091B

Language Override: ACR111D/B/B1

Field	Description	Unicode (Y/blank)
EXID	Record ID (EX/EZ)	
EXCMPN	Company Number	
EXTERM	Terms Code	
EXLANG	Language	
EXDESC	Terms Description	Y
EXREVR	REX Record Review Flag	
	Create / Maintain Audit fields	

ROX: Company MLS Address

Base File: RCO Company Master File

Where used:

- Company Address in PO Print (PUR520B) using Vendor Language code or for Requisitions where Vendor is blank, User Language code.
- Company Name in Statement Print (ACR220) using A/R Customer Language code.

Language Server: ACR092B

Language Override: ACR121D/B/B1

Field	Description	Unicode (Y/blank)
OXID	Record ID (OX/OZ)	
OXCMPN	Company Number	
OXLANG	Language	
OXCNAM	Company Name	Y
OXATTN	Attention To Name	Y
OXADR1 to 6	Company Address Line 1 to 6	Y
OXNAMR	Company Name Review Flag	
OXATNR	Attention To Name Review Flag	
OXADRR	Address Review Flag	
OXREVR	ROX Record Review Flag	
	Create / Maintain Audit fields	

SIN: Invoice History MLS Address

Base File: SIH Invoice

History Where used:

- Copy MLS Ship To Address into ECNW when Copying an Invoice to an RMA (ORD706B).
- Ship To address on Invoice Re-print (BIL550B) using Invoice To Customer / Number code.
- Invoice Customer PO Number (BIL501D2)
- Language Server: ORD092B
- Language Override: None

Table heading	Table heading	Table heading
INID	Record ID (IN/IZ)	
INCOMP	Company	
INDPFX	Customer Number	
INDOCN	Document Number	
INDTYP	Document Type	
INDYR	Document Year	
INLANG	Language	
INSNAM	Ship To Name	Y
INSATN	Ship To Attention Of	Y
INSAD1 to 6	Ship To Address Line 1 to 6	Y
INNAMR	Ship To Name Review Flag	
INATNR	Ship To Attention Review Flag	
INADRR	Ship To Address Review Flag	
INHCPO	Invoice Customer PO Number	Y
INHCPOR	Invoice Customer PO Number Review Flag	
INREVR	SIN Record Review Flag	
	Create / Maintain Audit fields	

SSX: Salesperson Master MLS Address

Base File: SSM Salesperson

Master Where used:

- Primary Salesperson Name on Order Acknowledgment(ORD508B)
- Secondary Salesperson Name on Order Acknowledgment(ORD508B)
- Line level Salesperson Name on Order Acknowledgment (ORD508B)

Language Server: SAL090B

Language Override: SAL101D

Field	Description	Unicode (Y/blank)
SXID	Record ID (SX/SZ)	

Field	Description	Unicode (Y/blank)
SXSAL	Salesperson Number	
SXLANG	Language	
XSNAMR	Salesperson Name	Y
SXAD1 to SXAD6	Salesperson Address Line 1 to 6	Y
SXNAMR	Salesperson Name Review Flag	
SXADRR	Address Review Flag	
SXREVR	SSX Record Review Flag	
	Create / Maintain Audit fields	

ZCC: Code Table Master MLS Description

Language Server: SYS090B

Language Override: SYS106D/SYS107B

Field	Description	Unicode (Y/blank)
CCALTC	Alternate Code	Y
CCDESC	Description	Y
CCSDSC	Short Description	Y
CCNOT1	Note 1	Y
CCNOT2	Note 2	Y
CCALCR	Review Alternate Code	
CCDESR	Review Description	
CCSDSR	Review Short Description	
CCNOTR	Review Note	
CCREVR	Review Required	

ZLI: Item Language Extension

Language Server: INV091B

Language Override: INV118D/B/B1

Field	Description	Unicode (Y/blank)
LIDSC1	Item Description 1	Y
LIDSC2	Item Description 2	Y
LIFORM	Engineering/Formula Number	Y
LIGTEC	Group Technology Code	Y
LIREF	Reference	Y
LIPKD1	Pack Description 1	Y
LIPKD2	Pack Description 2	Y
LIPKD3	Pack Description 3	Y
LIPKD4	Pack Description 4	Y
LINOT1	Note 1	Y
LINOT2	Note 2	Y
LITYPE	'0'=Item '1'=Cmmdty '2'=SpcChg	
LISDEC	Summary Declaration	Y
LIDSCR	Description Review Flag	
LIGTCR	Group Tech Review Flag	
LIREFR	Reference Review Flag	
LIPKDR	Pack Desc Review Flag	
LINOTR	Note Review Flag	
LISDER	Summary Declaration Review Flg	
	Create / Maintain Audit fields	

ZLS: Specification / Test Extension

Language Server: QMS090B

Language Override: QMS130D/B/B1

Field	Description	Unicode (Y/blank)
LSTDS1	Test Description 1	Y
LSTDS2	Test Description 2	Y
LSTDS3	Test Description 3	Y
LSTDS4	Test Description 4	Y
LSSDS1	Specification Description 1	Y
LSSDS2	Specification Description 2	Y
LSSDS3	Specification Description 3	Y
LSSDS4	Specification Description 4	Y
LSNOT1	Note 1	Y
LSNOT2	Note 2	Y
LSSDS5	Specification Description 5	Y
LSTDSR	Test Description Review Flag	
LSSDSR	Spec Description Review Flag	
LSNOTR	Note Review Flag	
LSREVR	ZLS Record Review Flag	
	Create / Maintain Audit fields	

ZNT: Note Text

The ZNT LX Notes file supports base and multi-language notes.

ZYX: Note Types

The ZYX LX files are created for designated note type languages.

Language Server: SYS094B

Language Override: SYS554D

Field	Description	Unicode (Y/blank)
YXID	Record ID	

Field	Description	Unicode (Y/blank)
YXTYPE	Note Type	
YXLANG	Language	
YXDESC	Note Type Description	Y
YXDSCR	Description Review Required	
YXREVR	ZYX Review Required	
	Create / Maintain Audit Fields	

Internal control files

QEW: Edit Certificate Of Analysis (work file)

QMS programs that move Unicode fields from ZCC/ZLS into and out of QEW handle Unicode.

Field	Text	Unicode (Y/blank)
EWTEXT	Text	Y

ZXL: Auto Create Language Ext File

The ZXL file controls the automatic creation of language records when a new base or primary record is created. For future Infor Development Framework (IDF) multi-language applications, it is recommended that a blank Language record be created by setting the Language code to '****' in this file.

Program SYS091D maintains this file. A mass create display and batch program, SYS092D/B, creates language records for existing master files.

Field	Description	Unicode (Y/blank)
XLFILE	Record File Code	
XLTABL	Code Table Id	
XLLANG	Language	
XLAPRS	Auto Processed	

Field	Description	Unicode (Y/blank)
	Create Audit Fields	
