



Infor Mark IV AIC (RK)

Traditional

Copyright © 2018 Infor

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement, the terms of which separate agreement shall govern your use of this material and all supplemental related materials ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above. Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Without limitation, U.S. export control laws and other applicable export and import laws govern your use of this material and you will neither export or re-export, directly or indirectly, this material nor any related materials or supplemental information in violation of such laws, or use such materials for any purpose prohibited by such laws.

Trademark Acknowledgements

The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

Publication Information

Release: Infor Mark IV AIC

Publication date: July 2018

Contents

Contents.....	3
Table of Changes	4
General Information	5
Security.....	6
File Archiving / Auto Print and Process.....	6
Auto 997 Transaction.....	12
Application Control File.....	15
How to Use This Document.....	18
General Information	18
Security	18
Implementation.....	18
VL0 Menu.....	18
ASNs/DESADVs	19
Electronic Invoice Menu.....	19

Table of Changes

Changed By	Date	Reason	Update#	Section Changed

General Information

Transaction Sets

The MARK IV AIC trading partner module supports the following transaction sets:

- 830 – Material Release Version 4010
- 856 – Advanced Shipping Notice
- 997 – Functional Acknowledgement

The **830 (Material Release)** contains planning and shipping requirements.

The **856 (Advanced Shipping Notice)** contains product shipping details to be transmitted to MARK IV AIC when the truck leave the Facility.

The **997 (Functional Acknowledgement)** contains received transaction information to be transmitted to MARK IV within 24 hours of receiving an 830 transaction.

Bar Code Requirements

The Mark IV AIC module doesn't currently use bar code. The module can be configured to use bar code. The standard AIAG bar code label (B-10) is used.

Security

Communication Method

Mark IV AIC communicates through the ACM (Advanced Communications Module) component.

For more information on ACM, see Chapter 17 of the AutoRelease main manual. Enter security requirements (identification codes, passwords, etc.) before attempting to receive or transmit. Network security is entered one time, but may be accessed by multiple trading partners.

Note: When establishing communication set up either with a VAN or direct, the following must exist:

Wrap Data? YES - 80

Start New Record on New Interchange? YES

File Archiving / Auto Print and Process

(Option 3 on the AZ10 Menu - ACM)

AZD2008	PROCESS PROFILE SETUP
OEM Company	
Auto Print	
Auto Process.....	
Auto 997.....	
Days To Archive.....	
F4=Prompt F12=Cancel	

- Auto Print (Y/N) - Enter "Y" if using AutoReceive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter "N" if not using AutoReceive, or, if using AutoReceive and Breakdown, if the Print option is not to be run automatically after the Breakdown.
- Auto Process (Y/N) - Enter "Y" if using AutoReceive and Breakdown (scheduled through ACM) and if also using Auto Print, to perform an automatic Process after the Receive, Breakdown and Print. Enter "N" if not using AutoReceive, or, if using AutoReceive, Breakdown, and Auto Print, if the Process option is not to be run automatically after the Print.
- Auto 997 (Y/N) – Enter "Y" and a 997 will automatically be sent back to the OEM acknowledging receipt of inbound EDI data.
- Days to Archive - Enter the number of days to archive files received from the OEM. Files must be saved at least one day. Archived files are files that are stored for a given number of days, so that they can be reactivated. The number of days is not based on calendar days. Only the number of days when a communication session takes place is counted. Then the archived files are removed during the next shift.

Note: Only error-free requirements are processed. Errors must be corrected and the "Print" and "Process" options must be taken manually to process the remaining data.

Implementation

Identification Code File

The Identification Code File is used when taking the options to "Split" and "Breakdown" a file received from Mark IC AIC and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

Company Number	- XX
OEM Code	- RK
Plant ID	- Supplier ID defined by Mark IV AIC
OEM ID	- OEM DUNS Number
Corporate ID	- Supplier's DUNS Number
Remit to Duns #	- Not used
Transmission Mode	- T/P T- Test, P-Production
Smart Labels	- Y or N
Pallet Staging	- Y or N
Bar Code File Transfer	- N
Variable Unwrap Print	- Y or N
Automatic print of 997	- Y or N
AutoMap	- N

Errors that occur during the "Split" that indicate a code is missing from the Identification Code File are referring to OEM ID.

Errors that occur during the "Breakdown" that indicate a code is missing from the Identification Code File are referring to Plant ID or Corporate ID.

Trading Partnership File

The Trading Partnership File is used to enter data to be used in the “enveloping” of the electronic file being transmitted instead of using the Identification Code File and the hard-coding within the programs. When a trading partner changes their enveloping, the change may be made, by the user, in the Trading Partnership File, instead of waiting for a program change.

Press F14 (Trading Partnership File (X.12)) after entering the appropriate data in the Identification Code File.

Follow the steps below to complete the Trading Partnership File setup.

1. Press F6 (ADD) from the Trading Partnership Review screen.
2. Abbreviations may be entered. Press Enter.
3. Enter the code representing data format (A for ISA). Press Enter. The Maintain Trading Partnership File Detail screen is displayed.
4. Press F7 (Infor defaults).

Modifications may be needed to the 856 ISA record. Verify the default record created.

VLD9702A	Maintain Trading Partnership File	
Company Number.....	CO	(A) ISA/ (C) ICS/ (E) Edifact: A
OEM Code.....	RK	
Supplier ID.....	SUPPLIERID	
Customer Abbrv(O)		
Destination Abbrv(O)		
User Define Description: PRODUCTION ASN RECORD		
Qualifier/Information		
Authorization:	00	Active (Y) / (N) : Y
Security:	00	
Sender:	XX	SENDERID
Receiver:	XX	RECEIVERID
Control Standards ID:	U	Hexadecimal Code
Version Identifier:	00401	Sub Element Separator: B0
		Data Element Separator: 5C
		Segment Terminator: A1
Computer Generated ISA Control Number: Y		
F7=Update Infor Defaults F10=GS Level F12=Return		

5. Press F10 (GS Level).

Modifications may be needed to the 856 GS records. Verify the default information created.

GS Detail Screen

VLD9702E	Maintain Functional Identifier
Company Number.....	CO
OEM Code.....	RK
Supplier ID.....	SUPPLIERID
Customer Abbrv(O)	
Destination Abbrv(O)	
Transaction Type.....	856
Functional Identifier: SH	
Application Sender:	SENDERID
Application Receiver:	RECEIVERID
Responsible Agency Code:	X
Version/Release/Industry:	004010
(T)est/ (P)roduction:	P
Acknowledge Requested:	N
Last Date Used:	0/00/00
Last Time Used:	
Number Times Used:	
Computer Generated Group Control Number:	Y
F12=Return	
Non Repeating Transaction	
Control Number: Y	
ST Control#:	
Processing Option: P	
P=Print Before Sending	

6. Press Enter. Functional Identifier Review screen is displayed.
7. Press F12. Maintain Trading Partnership File Review screen is displayed.
8. Press Enter. Trading Partnership File Review screen is displayed.
9. Press F12. Identification Code File screen is displayed.

Setup is complete.

Functional Acknowledgement Setup

IDENTIFICATION CODES		
Company Number	CO	
OEM Code	RK	
Plant ID	SUPPID 997	(How the OEM defines your plant)
OEM ID	(How the OEM defines themselves)	
Corporate ID	(How the OEM defines your corp.)	
Remit to Duns Number	(Payment Receiver ID - ASN)	
VAT Code		
Transmission Mode	P (T/P)	T-Test, P-Production
Smart Labels	N	(Y/N)
Pallet Staging	N	(Y/N)
Bar Code File Transfer ...	N	(Y/N)
Variable Unwrap Print	Y	(Y/N)
Automatic print of 997 ...	Y	(Y/N)
AutoMap.....	N	(Y/N)
F1=Help F10=Delete F12=Return F14=Trading Partnership File (X.12)		
F17=Selective F/A's F18=Additional Qualifiers F19=Outbound Receiver IDs		

Press F14 (Trading Partnership File (X.12)) after entering the appropriate data in the Identification Code File.

Follow the steps below to complete the Partnership File setup.

1. Press F6 (ADD) from the Trading Partnership Review screen.
2. Abbreviations may be entered. Press Enter.
3. Enter the code representing data format (A for ISA). Press Enter. The Maintain Trading Partnership File Detail screen is displayed.
4. Press F7 (Infor defaults).
5. Modifications may be needed to the 997 ISA and GS record. Verify the default record created.

Setup is complete.

Requirement Master

JTDMAINT2				REQUIREMENT MASTER ENTRY								CHANGE	
Company XX Customer RK				Part 11111				Destination RK				MY	
Customer Part #	11111							OEM Code	RK				
Supplier Code	XXXXXXXXXX							OEM Division ...					
Customer #	999999999							Destination #	999999				
Commodity Code								Unit of Measure	EA				
Controlling Source ..								Price Code					
Dock Code								Trailer Capacity ...					
Container Part # ...								Package Quantity ...					
MRP				Reports				Clear					
866	862	830	850	866	862	830	X 850	866	862	830	X 850		
				Process P.O.s									
Planner #	0000			Balance Out Code ...				Product Code ..					
Weekly Ship Code ..				Final Release Code ..				Analyst # ...					
Rack ID													
User #1 ..								User #2 ..					
User #3 ..				.00000									
Remarks ..													
F1=Help				F7=OEM Info				F8=REQB				F9=REQC	
F11=File Maint				F12=Return				F19=Fab/Mtl				F10=Delete	
								F20=Special Process					

It is suggested that clear flags (found in the Requirement Master) be marked as follows:

866 862 830 850
- - X -

This is subject to change based on the files Mark IV AIC transmits to your company. DO NOT select clear flags with X if requirements are transmitted only once for any given transaction set.

Model Year

Mark IV AIC does not send model year. Therefore, the Requirement and Price files must be entered leaving the model year field blank.

CUM Required Prior

Mark IV AIC doesn't send CUM required prior or CUM received. All values transmitted are actual quantities required.

Auto 997 Transaction

ACM Trading Partner Communication Setup (Option 2 on the AZ10 Menu)

Create a new record with the Transaction/Msg of 997 to handle the outbound 997 Transaction.

AZR2300A		TRADING PARTNER COMMUNICATION SETUP				
Options: 2=Edit, 4=Delete				Rv		
Op	OEM	Co	Mg/Trn	Direct Mailbox Description	Mailbox ID	Mb
EQ						
RK	01		Receive	Mark IV AIC	Mark IV AIC	01
RK	01	997	Send	Mark IV AIC	Mark IV AIC	01

ACM Process Profile Setup (Option 3 on the AZ10 Menu)

Set the Auto 997 flag to 'Y'.

AZD2007A		Profile Setup Selection				
Options: 2=Edit 4=Delete						
Opt	OEM	Co	Auto Print	Auto Process	Auto 997	Days to Archive
EQ						
RK	01		Y	Y	Y	10

Communication Scheduler (Option 1 on the VL16 Menu)

Setup a Scheduler Entry with the job name – SNDASFNRK to process the Auto 997 transmission.

CMD1020A	Schedule Job Details	5/01/XX
DISPLAY		10:13:38
OEM/Network.....: XX	Phone/Description....:	
Communication Type...:	Communication Method	
Communication Member: XX		
Communication Seq...: 2	Schedule Days-> Su Mo Tu We Th Fr Sa	
	Time:	
Active Code.....: Y		
Delete Member.....: N	Line Type.....:	
Job Name.....: SNDASFNRK	Job Type.....: ACM	
Job Queue.....:	Time Limit(min).....:	
Job Description.....:	Retry Limit.....:	
Output Queue.....:	Reschedule Time(min):	
Message Queue.....:	Security Type/Ver...+:	

Setup a Scheduler Entry with the job name – SNDFNK to process the Manual 997 transmission.

CMD1020A	Schedule Job Details	5/01/XX
DISPLAY		10:13:38
OEM/Network.....: XX	Phone/Description....:	
Communication Type...:	Communication Method	
Communication Member: XX		
Communication Seq...: 3	Schedule Days-> Su Mo Tu We Th Fr Sa	
	Time:	
Active Code.....: Y		
Delete Member.....: N	Line Type.....:	
Job Name.....: SNDFNK	Job Type.....: ACM	
Job Queue.....:	Time Limit(min).....:	
Job Description.....:	Retry Limit.....:	
Output Queue.....:	Reschedule Time(min):	
Message Queue.....:	Security Type/Ver...+:	

VL0 Menu

12.0	8/01/XX	MENU: VL0RK	13:04:46
<hr/>			
MARK IV AIC			
VARIABLE LENGTH TELECOMMUNICATIONS			
<hr/>			
1. Receive Data			
2. Split Network Data Into OEM Files			
3. Breakdown Data			
4. Acknowledge Received Data			
5. Print Requirements (830)			
6. Process Requirements (830)			
23. Return to V/L Telecommunications			
24. Return to Main Menu			
Option			

Many options are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual. Only options unique to this trading partner, exceptions or unique business practices are explained in this document.

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

Application Control File

Set up Application Control File Keyword "BARLBL" + OEM in order to handle the situation in which all master labels and container labels have the same data identifier.

Add the record as described below. For more information about adding control records, see Chapter 11 of the AutoRelease Main Manual.

CO = *ALL or Your Company

Application Name = *ALL

Keyword = BARLBLIV

Length = 1

Dec= blank

Infor Data = S

From the main menu select System Maintenance (Option 11), then Application Control File Maintenance (Option 17), then Basic Application Control File Maintenance (Option 2).

Enter the following information:

APP

Opt CO# Name Keyword

1 *ALL *ALL BARLBLIV

Infor Data Length: 1 Dec:

1 2 3 4

123456789012345678901234567890123456789012345

S

Customer Data Length: Dec:

1 2

12345678901234567890

All Master and Container label serial numbers must have the same data identifier "S" for OEM Mark IV (IV).

If you need to print the Master and the Container labels using AutoScan Menu for OEM Mark IV (IV):

Run Opt 2, OEM Setup Maintenance on "LABEL PRINT MAIN MENU". Label format names should be set up like the following:

IVC02=Container label, S=Data Identifier (Label Type)

IVM02=Master label, S=Data Identifier (Label Type)

You may use Opt 3/4 (Enter Bar Code) or Opt 8((Pallet Staging) & 10 (Bar Code Scanning) on "Label Scan Main Menu" to enter the bar code label information into the system for OEM Mark IV (IV).

If you need to run Opt 3 (Enter Bar Code) on "Label Scan Main Menu" to enter the bar code label information into the system for OEM Mark IV (IV), you must enter the label serial#, the associated Master serial#, the same label type for Master/Container labels "S", the package quantity, the customer part#, OEM/Label type "IV M" or "IV C".

If you need to run Opt 4 (Enter Bar Code) on "Label Scan Main Menu" to enter the bar code label information into the system for OEM Mark IV (IV), you must enter the label serial type "S" for the Master/Container label serial#, the supplier ID, the package quantity, the customer part#, OEM/Label type like "IV M" or "IV C".

ASNs

VLD8000RK1	10/05/XX	MENU: VL8RK	13:55:37
12.0			
<hr/>			
MARK IV			
ADVANCE SHIPMENT NOTIFICATIONS			
<hr/>			
<ul style="list-style-type: none">1. Maintain ASNs2. List ASNs3. Upload / Convert Bar Code Data4. Maintain Bar Code Data5. Maintain Printed Bar Code Labels6. List Bar Code Data7. List Printed Bar Code Labels8. Create and Transmit ASNs9. Purge Printed Bar Code Labels10. Purge Transmitted ASNs/Bar Code11. Reactivate Transmitted ASNs/Bar Code 23. Return to V/L Communications Menu24. Return to Main Menu			
Option			

Traditionally coded trading partners use a VL8xx menu (where xx is the OEM code) to transmit ASNs to the trading partner. Many options are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual. Only options unique to this trading partner, exceptions or unique business practices are explained in this document.

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

How to Use This Document

This document provides information regarding unique instructions required to implement this trading partner's unique business practices. Check the chapters in AutoRelease that describe the common functions and procedures performed by all trading partners, such as the daily procedures, security, ASN / DESADV options, etc.

General Information

The general information section of this document describes transaction sets and versions, how they apply to this trading partner and other miscellaneous information.

Security

The security section of the document explains the Advanced Communication Module (ACM).

Implementation

The trading partner documents provide information that may be pertinent only to this trading partner. The implementation section covers master file entry that is unique to this trading partner. However, all required master files must be entered according to the instructions in the "AutoRelease User's Manual."

Files and fields that are unique for all trading partners include the identification code file, trading partnership file, model year, Requirement Master clear flags and CUM required prior.

VL0 Menu

Traditionally coded trading partners use a VL0xx menu (where xx is the OEM code) to perform daily procedures (from the “receive” through the “process”). Many of the options on the VL0 menus are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease manual.

Daily Procedures	Describes the receive, split, breakdown, print, process, and transmit 997
Security	Describes all security selection and maintenance options and VAN menus

The VL0 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- The print method (mandatory or optional) is identified.
- Special processing for a common option for this specific OEM is identified.
- Fields that print on the edit list but are not processed are identified.
- Options that are not commonly used by other trading partners are described in detail.

A complete description of the common options can be found in the Daily Procedures chapter of AutoRelease.

ASNs/DESADVs

Traditionally coded trading partners use a VL8xx menu (where "xx" is the OEM code) to transmit ASNs / DESADVs to the trading partner. Many of the options on the VL8 menus are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease manual.

ASN/DESADV (VL8) Options	Describes the standard procedures for transmitting ASNs/DESADVs without bar code.
ASN/DESADV with Bar Code Options	Describes the standard procedures for transmitting ASNs/DESADVs with bar code.

The VL8 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- Valid action codes are identified.
- The ASN/DESADV Maintenance screen displays with valid field descriptions.
- ASN/DESADV extract exceptions and special processing relating to ASNs/DESADVs for this specific trading partner are identified.
- Options that are not commonly used by other trading partners are described in detail.

A complete description of the routine options can be found in the ASN/DESADV (VL8) Options chapter of AutoRelease.

Electronic Invoice Menu

Some traditionally coded trading partners use a VL75xx menu (where xx is the OEM code) to transmit electronic invoices to the trading partner. Many of the options are identical from trading partner to trading partner. Those options are explained one time in the AutoRelease manual.

Electronic Invoices	Describes invoice maintenance, print invoice register, create and transmit, purge, and reactivate transmitted invoices menu options.
---------------------	--

The VL75 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- Invoice header screen and valid field descriptions
- Invoice line item screen
- Invoice line item information screen and valid field descriptions
- Miscellaneous charge screen and valid field descriptions
- Options that are not commonly used by other trading partners are described in detail

A complete description of the common options can be found in the Electronic Invoices chapter of AutoRelease.