



Infor CRH North America (RH)

Traditional

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Table of Changes

Changed By	Date	Reason	Update#	Section Changed

General Information

Transaction Sets

The CRH North America Trading Partner module supports the following transaction sets:

- 830 Material Release Version 4010
- 856 Advanced Shipping Notice Version 4010

The **830 (Material Release)** contains forecast and firm ship requirements.

The **856 (ASN)** is required to be transmitted for each shipment when the truck leaves the plant. Bar code information is not required for CRH.

Security

Communication Method

CRH North America 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 for 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

ARS Setup Steps

1. ACM Communication for trading partner
2. Define Identification Code File
3. Trading Partnership File
4. Machine Readable
 - a. Customer
 - b. Destination
5. Parts Cross Reference for new parts
6. Customer Master
7. Destination Master
8. Enter Requirement Master for each part
9. Setup Users with Security File authority to CRH North America Menu and options

Identification Code File

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

Company Number	- xx
OEM Code	- RH
Plant ID	- Supplier ID defined by CRH North America
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 records are created with the correct values.

VLD9702A	Maintain Trading Partnership File	
Company Number.....	CO	(A) ISA/ (C) ICS/ (E) Edifact: A
OEM Code.....	RH	
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	
		Hexadecimal Code
Control Standards ID: U		Sub Element Separator: B0
Version Identifier: 04010		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 record. Verify the default records are created with the correct values.

GS Detail Screen

VLD9702E	Maintain Functional Identifier	
Company Number.....	CO	
OEM Code.....	RH	
Supplier ID.....	SUPPLIERID	
Customer Abbrv(O).....		
Destination Abbrv(O)....		
Transaction Type.....	856	
Functional Identifier:	SH	Non Repeating Transaction
Application Sender:	SENDERID	Control Number: Y
Application Receiver:	RECEIVERID	ST Control#:
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:		Processing Option: P
Computer Generated Group Control Number:	Y	P=Print Before Sending
F12=Return		

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.

Requirement Master

JTDMAINT2										REQUIREMENT MASTER ENTRY				CHANGE	
Company XX		Customer RH		Part 111111111				Destination RHDEST				MY			
Customer Part #		111111111				OEM Code				RH					
Supplier Code		XXXXXXXXXX				OEM Division ...									
Customer #		999999999				Destination #				9999999					
Commodity Code						Unit of Measure				EA					
Controlling Source .						Price Code									
Dock Code						Trailer Capacity ...									
Container Part # ...		RHCONTAINER				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		F10=Delete							
F11=File Maint		F12=Return		F19=Fab/Mtl		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 CRH transmits to your company. DO NOT select clear flags with X if requirements are transmitted only once for any given transaction set.

Model Year

CRH does not send model year. Therefore, the Requirement and Price Files must be entered leaving the model year field blank.

CUM Required Prior

CRH does send a CUM Received not a CUM Required Prior. All values transmitted are actual quantities required.

VLO Menu

```
VLD0000RH1      2/22/XX      MENU: VLORH      13:34:59
12.0      -----
                CRH NORTH AMERICA
                VARIABLE LENGTH TELECOMMUNICATIONS
                -----

                1.  Receive Data
                2.  Split Network Data Into OEM Files
                3.  Breakdown Data
                4.  Acknowledge Received Data
                5.  Print Requirements (830)
                6.  Process Requirement (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.

Setting up Menu Option Security within ARS Program Name = VLC0000RH and Record Format = VLORH

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

ASNs

```
VLD8000RH1    9/07/XX    MENU: VL8RH    13:34:16
12.0    -----
                CRH NORTH AMERICA
                ADVANCE SHIPMENT NOTIFICATIONS
                -----

1. Maintain ASNs
2. List ASNs
3. Create and Transmit ASNs
4. Purge Transmitted ASNs/Bar Code
5. Reactivate Transmitted ASNs/Bar Code

23. Return to V/L Communications Menu
24. 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.

Setting up Menu Option Security within ARS Program Name = VLC8000RH and Record Format = VL8RH

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

Bar Code

Note - bar code serial numbers are not required on the ASN.

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 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 communication method used by this trading partner and network profile, when applicable.

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

Traditionally coded trading partners use a VL8xx menu (where “xx” is the OEM code) to transmit ASNs 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 (VL8) Options	Describes the standard procedures for transmitting ASNs without bar code.
ASN with Bar Code Options	Describes the standard procedures for transmitting ASNs 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 Maintenance screen displays with valid field descriptions.
- ASN extract exceptions and special processing relating to ASNs 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 (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.
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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.