



**Infor Martinrea (EM)**

**AutoMap/Traditional**

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## Table of Changes

Changed By	Date	Reason	Update#	Section Changed

## General Information

### Transaction Sets and Versions

The Barry Controls module supports the following transaction sets:

- 830 Material Release Version 4010 (AutoMap)
- 856 ASN Version 4010 (Traditional)

The **830 (Material Release)** contains daily release schedules.

The **856 (ASN)** is required to be transmitted for each shipment when the truck leaves the plant.

## Security

### Communication Method

Martinrea 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 Auto Receive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter "N" if not using Auto Receive, or, if using

Auto Receive and Breakdown, if the Print option is not to be run automatically after the Breakdown.

- Auto Process (Y/N) - Enter "Y" if using Auto Receive 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 Auto Receive, or, if using Auto Receive, 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 option to "Split" a file received from Martinrea America. The Identification Code file is used differently by different manufacturers.

IDENTIFICATION CODES

Company Number ..... 01  
OEM Code ..... EM  
Plant ID ..... EM2 (How the OEM defines your plant)

OEM ID ..... 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..... Y (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

Errors that occur during the "Split" that indicate a code is missing from the identification code file are referring to Plant ID and OEM ID.

AutoMap - Enter "Y" to place data in the AutoMap files (during the Split).

## Trading Partnership File

The Trading Partnership File is used to enter data 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 its enveloping, users may change the enveloping in the Trading Partnership File, instead of waiting for a program change.

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

Steps to create default values:

1. Press F6 (Add) from the ISA list screen.
2. Enter optional abbreviations. Or, leave blank if all customers and destinations for this company, OEM, and supplier code are the same.
3. Press Enter.
4. Enter the code representing data format (A for ISA). Press Enter. The ISA detail screen displays.
5. Press F7 (Infor defaults):
6. Three ISA records are created.
7. One GS record is created for each ISA (856).
8. No modifications are needed to the ISA records except to enter detailed descriptions. The GS level must be accessed if an unwrapped file is to be created before transmission.
9. Press F10 (GS Level). The GS list screen displays.
10. Select the transaction set record with “1” (one at a time) to display the GS detail screen with the default data.
11. Press Enter.

VLD9702A	Maintain Trading Partnership File	
Company Number.....	01	(A) ISA/ (C) ICS/ (E) Edifact: A
OEM Code.....	EM	
Supplier ID.....	15428457	
Customer Abbrv(O) .....		
Destination Abbrv(O) .....		
 User Define Description: PRODUCTION ASN		
Qualifier/Information		
Authorization:	00	Active (Y) / (N) : Y
Security:	00	
Sender:	ZZ 15428457	
Receiver:	01 TEST	
Hexadecimal Code		
Control Standards ID:	U	Sub Element Separator: 6E
Version Identifier:	00410	Data Element Separator: A1
		Segment Terminator: 1C
Computer Generated ISA Control Number:		
F7=Update Infor Defaults F10=GS Level F12=Return		

VLD9702E	Maintain Functional Identifier
Company Number.....	01
OEM Code.....	EM
Supplier ID.....	15428457
Customer Abbrv(O) .....	
Destination Abbrv(O) ....	
Transaction Type.....	856
Non Repeating Transaction	
Functional Identifier:	SH
Application Sender:	15428457
Application Receiver:	TEST
Responsible Agency Code:	X
Version/Release/Industry:	004010
(T)est/ (P)roduction:	P
Acknowledge Requested:	N
Last Date Used:	8/23/1X
Last Time Used:	18:46:22
Number Times Used:	29
Computer Generated Group Control Number:	
Processing Option: P	
P=Print Before Sending	
F12=Return	

- Processing Option - The default is blank; an unwrapped file is not to be viewed before the transmission. Change to "P" to activate an unwrapped file to be viewed before the transmission. (Optional.)
- Press Enter to return to the GS list screen.
- Press F12 twice to return to the ISA list screen.

Set-up is complete.

## Model Year

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

## EDI Code File

### Type Codes

A	Immediate
B	Pilot
C	Firm
D	Planning
Z	Mutually Defined

### Frequency Codes

D	Discrete
F	Flexible Interval (from date X to date Y)
M	Monthly Bucket (Calendar Months)
W	Weekly Bucket (Monday through Sunday)
Z	Mutually Defined (used only when FST01 = 0)

## **Requirement File - Clear Flags**

The Requirement Master clear flags should not be marked. Keywords are used to determine what to clear based on purpose codes.

## **Master File Entry**

The entry of each master file is NOT explained in this document. Only the master files that require unique entry, to accommodate specific business practices for this trading partner are noted.

## **CUM Required Prior**

Martinrea sends CUM required prior, so it is not necessary to enter it manually before going live. The first time a requirement is received, the CUM required prior figure sent by Chrysler overlays what was entered manually.

The CUM required prior is used to calculate ahead or behind figures and is included in the package quantity. If entering a Chrysler manual requirement or while testing, the CUM required prior is entered using the option Enter Manual Requirements. CUM required prior can be entered using F5 from the entry screen or it may be entered directly on the header screen.

## **Equipment Description Codes**

- TL - Trailer
- LT – Less than trailer

## **Conveyance Codes:**

### **Transportation Method/Type Code**

- A - Air
- AE - Air Express
- C - Consolidation
- E - Expedited Truck
- LT - Less then Trailer Load
- M - Motor (Common Carrier)
- PC - Private Carrier

## **Packaging Codes:**

- PLT90
- CTN71

## **Bar Code**

Bar code on the ASN is required by Martinrea. ASN type must be “C”.

## **Application Control File (Basic)**

Set up a Keyword “SCANPO” + OEM in the Basic Application Control file to pass the Purchase Order to the bar code files to be used in the ASN create.

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

CO = Company or \*\*  
Application Name = \*ALL  
Keyword: SCANPOEM  
Length: 10  
Decimal: Blank  
Infor Data: PRINT or PRINTVER or PROMPTVER

PRINT = PO will be passed in from the shipper.  
PRINTVER = PO will be passed in and verified.  
PROMPTVER = PO will be prompted for at bar code scanning.

Set up a Keyword "BARLBL" + OEM in Basic Application Control File to handle the situation which all master labels, mixed 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 = Your Company  
Application Name = \*ALL  
Keyword = BARLBLEM  
Length = 1  
Dec= blank  
Infor Data = blank (allows all data identifiers)

## Mandatory Fields

### ASN Header Maintenance Screen

VLD8100EM		DESADV FILE MAINTENANCE					
Sequence number	4200	Company	01	OEM	EM	Action Code	O
-----							
-							
Ship/Inv # ...	3427	DESADV .....	C	Cust Abrv .....	MRECST		
Ship Date ....	8/22/XX	Net Weight .....	100	Dest Abrv .....	MREDST		
Ship Time ....	11:23	Tare Weight .....	7	Dock .....			
Arrival Date ..	9/01/XX	Container Qty ..	2	Model Year .....			
Arrival Time ..	15:00	Cont Desc .....	CTN25	Carrier Abv ....	OBEX		
Qty Shp .....	20	Pallet Qty .....	1	Equip Desc .....	TL		
Unit of Mea ..	EA	Pallet Desc ....	PLT90	Equip Init .....	EQIT		
Qty Per Pack..	10	Return Cont ....	N	Conv. Code .....	M		
In-House Prt# I-MX300183				Plant ID ....	15428457		
P.O. # .....				Cust Prt # ..	MX300183		
Conv Bill # .. CB# 840334				Cum Shp .....	462		
Pro Number ...							
F10=Delete F12=Return							

Company Number - Displays the company number that was previously entered.

OEM - "EM" for Martinrea.

Action Code - places the corresponding two-digit code in the BSN 01 segment in the ASN file. Valid action codes include:

0 = Open  
 H = Hold  
 T = Transmitted  
 N = Cancel  
 R = Replace  
 X = Not Processed

Shipper # - Shipper number assigned by the system when the shipper was created.

In-House Part # - Internal part number entered in the Parts Cross Reference File.

Qty Ship - Number of pieces shipped.

Tare Weight - The weight of the container(s), which is calculated based on the container and pallet weights entered in the Container Master File. The tare weight can be changed at shipper entry time.

Net Weight – The weight of the parts being shipped.

Cust Abrv - User-assigned abbreviation that must be entered in the Machine Readable File to return the correct customer code in the ASN file.

Ship Date - Date of shipment in the MMDDYY format. Defaults from shipper entry time.

Dest Abrv - User-assigned abbreviation that must be entered in the Machine Readable File to return the correct destination code in the ASN file.

Ship Time - Time entered at shipper entry time (HHMM) in military format. If no time was entered the ship time defaults from the system time when the "Extract" option is taken.

Arrival Date - Date shipment will arrive at customer's location, in the MMDDYY format. Defaults from shipper entry.

Arrival Time - Time of day (HHMM) in military format the shipment will arrive at the customer's location. Defaults from shipper entry.

Equipment Desc - The equipment description further describes the conveyance code. It defaults from the Carrier Master File. An example of a valid Equipment Description is TL – Trailer. Other codes can be found in Appendix A of the AutoRelease Main Manual.

Equipment Initial: An AIAG standard code representing the equipment owners code. This code is transmitted in the ASN file.

Dock Code - Code representing the dock at the destination location if a dock code was transmitted. Defaults from the Requirement A record. The destination abbreviation with the dock code must be entered in the machine readable destination file to transmit the correct destination location code in the ASN file.

Customer Part # - Martinrea's part number.

Supplier ID - Supplier code assigned by Martinrea. This is entered in the Supplier Code field in the Requirement Master File and the Plant ID field in the Identification Code File.

P.O. Number - Purchase order number issued by Martinrea. Defaults from the Requirement B record.

Conv Code - AIAG standard code, which describes the method of conveyance. Defaults from the Carrier File. It can be changed at shipper entry time. Other codes can be found in Appendix A of the AutoRelease Main Manual.

Convey. Bill # - Defaults from the Conveyance Number field at shipper entry time if a trailer number or air freight number was entered. If there was no entry at that time, the shipper number defaults.

Carrier Abbv.: SCAC code.

Unit of Measure:

- LB Pounds

PRO Number - The PRO Number is obtained from the freight company transporting the shipment.

Container Quantity - The number of containers, which is calculated by dividing the quantity shipped by the package quantity entered in the Requirement A record. It can be changed at shipper entry time.

Container Description – AIAG description of the container being shipped.

Pallet Quantity - Number of pallets, calculated by dividing the quantity shipped by the “pallet capacity” entered in the Container File. The pallet quantity can be changed at shipper entry time.

Pallet Description – AIAG description of the pallet being shipped. Defaults from shipper entry time.

Returnable Container – Y = Yes or N = No

DESADV – C for bar code (mandatory)

Model Year – retrieved from the Requirement Master

# How to Use This Document

This document provides information regarding unique instructions required to implement this trading partner's unique business practices. There is a separate document called "AutoMap Manual" which describes those procedures which apply to all trading partners (NOT unique for each trading partner) such as the daily procedures, job controls, etc.

## General Information

The general information section of this document describes transaction sets, 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

Requirements received via AutoMap are processed into the AutoRelease master files to perform shipping, ASN and invoicing functions. Therefore, enter all master files in the same manner as required when processing data from the AutoRelease menus.

**Exception:** Special AutoMap processing needs are handled via keywords in AutoMap. Therefore, clear flags and special processing flags (F20) should not be marked.

The entry of each master file is NOT explained in this supplement. Only those that require specific fields marked to accommodate specific business practices for this trading partner are noted.

The master files required during the "process" from the AutoMap Requirement Display, are the same files that are required when processing from the VL0 menus:

- Machine Readable - customer and destination
- Parts Cross Reference
- Requirement Master

These files must be entered to successfully process data into the requirement and load files.

## 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.

## Create Invoices

Enter "Y" to create a GL/AR file which will be passed through the interface to the ERP package. Also, a hard copy, electronic invoice, or both for each shipper to this destination will be generated. The invoice flags are found in the Destination Master File.

## AutoMap Features and Preferences

In AutoMap, keywords are unique for the business practices of the trading partner. This section describes how to access keywords, whether there are optional or conditional keywords for this trading partner, and how to activate and deactivate keywords.

## Activate or Deactivate Keywords - Change Error Types (Warning - Terminal)

Keywords activate special processing to accommodate Trading Partner's practices. To view keywords:

1. Access the AutoMap Menu.
2. Take the Process Keywords options.
3. Select the trading partner with 7 (keyword options).
4. Keywords are displayed for the selected trading partner.
5. Select the keyword to be changed with 1 (select).

The error maintenance screen displays. The fields that can be changed include:

Error Type - The error type may be W (warning) or T (terminal).

**T (terminal)** - When the create and transmit ASNs option is taken the ASN records are checked for missing fields that may cause the ASNs to be rejected. If terminal errors are found, (errors that will cause the ASN to be rejected according to OEM specifications) the program ends, the ASN Verification Report prints and a break message is displayed. Terminal errors must be corrected before taking the create and transmit option again.

**W (warning)** - When the create and transmit ASNs option is taken the ASN data is verified. If only warning errors are found, the ASN Verification Report prints and a break message is displayed that gives the user the option to continue with errors or to cancel. Error Message - The message that is displayed when this error is encountered may be changed.

Active - The keyword may be active (Y) or inactive (N).