Infor Plastic Omnium (PM)

Traditional

Publication Information

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Contents

Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Radtke	5/22/18	Inbound DELFOR and outbound DESADV versions	A118011002	Requirement Master OEM Division

General Information

EDIFACT Messages

The Plastic Omnium module supports the following EDIFACT messages.

EDIFACT Message	Document Name	X12 Equivalent	Version
DELFOR	Forecast Delivery Schedule JIT Delivery Schedule	830 862	97A
DESADV	Despatch Advice	856	97A

All Plastic Omnium EDIFACT messages are received and sent in the EDIFACT format. However, EDIFACT messages are processed as X12 transaction sets within AutoRelease. They are identified on inquiries and reports as the equivalent transaction set number.

Data Field Restrictions

Data fields may not contain any of the following characters:

- : (colon)
- + (plus sign)
- ' (apostrophe)
- ? (question mark)

These characters are used as EDIFACT element separators, sub-element separators, and segment terminators.

Security

Communication Method

Plastic Omnium 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

Identification Code File

The Identification Code File is used when taking the options to "Split" and "Breakdown" a file received from Plastic Omnium. The Identification Code File is used differently by different manufacturers.

```
Company Number - xx
OEM Code - PM
Plant ID - Your Supplier Code

OEM ID -                          Plastic Omnium's DUNS Number
Corporate ID -                    Your DUNS Number
Remit to Duns Number -
VAT Code -                    Tax ID
Transmission Mode ........    (T/P)  T-Test, P-Production
Smart Labels .............    (Y/N)
Pallet Staging ...........    (Y/N)
Bar Code File Transfer ...    (Y/N)
Variable Unwrap Print ....    (Y/N)
Automatic print of 997 ...    (Y/N)
AutoMap...................    (Y/N)

F1=Help  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 OEM ID or corporate ID.

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

Trading Partnership File

Machine readable records must be entered before the trading partnership records can be created, because destinations are validated.

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 F15 (Trading Partnership File) after entering the appropriate data in the Identification Code File.

Steps to create default values:

1. Press F6 (Add) from the UNB list screen.
2. Enter abbreviations. Plastic Omnium requires a separate record for each destination. The first record created is a template and is copied and modified to create each required record and is then deleted. Therefore, Infor recommends leaving the customer and destination records blank.
3. Press Enter.

4. Enter the code representing the data format (“E” for EDIFACT).
5. Press Enter. The UNB detail screen displays.
6. Press F7 (Infor defaults).
7. Press Enter. The UNB detail screen displays.
   One DESADV record is created that contains information for the UNB segment.
8. Copy and modify the DESADV template record for each Plastic Omnium destination:

Enter “3” next to the DESADV template record to copy.

1. Press Enter.
2. Enter the optional Customer and required Destination Abbreviations.
3. Press Enter.
4. Select the copied record with “1.”
5. Press Enter. The UNB Detail Screen displays.

UNB Detail Screen (DESADV)

```
VLD9702P                  Maintain Trading Partnership File

 Company Number.......... KB              (A)ISA/(C)ICS/(E)Edifact:    E
 OEM Code................ PM
 Supplier ID............. 12345
 Customer Abbrv(O).......
 Destination Abbrv(O)....
 EDIFACT Message Type....
 User Define Description:                                Active (Y)/(N):
        UNB - Qualifier/Information
Sender:        12345                                Syntax ID:
Receiver:                                           Syntax Version:
        UNG - Qualifier/Information
Sender:                                            Processing Option:
Receiver:                                          P=Print Before Sending
                                                           Hexadecimal Code
 Version...........:                   Sub Element Separator:
 Release Number....:                   Data Element Separator:
 Responsible Agency:                   Segment Terminator:
 (T)est/(P)roduction:                  Acknowledgement Requested:

F7=Create Infor Defaults  F12=Return
```

Enhanced Application Control Record

The Process for Plastic Omnium uses the DELFOR BGM segment to determine whether a release is firm or forecast. All releases within the forecast document, identified by BGM+34, have been interpreted as forecast (830), while all releases within the firm document, identified by BGM+241, have been interpreted as firm (862). If you want the transaction type for each release to be determined by the SCC segment values instead of BGM, setup Application Control keyword DELFORREQTYPSCC as shown below.

Enhanced Application Control keyword DELFORREQTYPSCC allows the transaction type to be determined by the SCC segment values instead of the BGM. This will cause the process to interpret any

releases with SCC value 1 as 862, and those with SCC value 4 as 830, regardless of the document type they are in. In the following example, all requirements from OEM code PM and Customer Abbreviation PMCUST would have the transaction type based on SCC segment values rather than BGM segment values.

CO OEM CABBV DABBV MY Text Value

-- ---- ----- ----------

* PM PMCUST * * Y

Keyword: DELFORREQTYPSCC

Description: Get DELFOR reqmt type from SCC instead of BGM

Valid keys: CO, OEM, Cust, Dest, MY

Entry Fields: Text

Valid Entries: Y, N

From the main menu select System Maintenance (option 11), Application Control File Maintenance (option 17), Enhanced Application Control File Maintenance (option 1), Enter the keyword into the position to field and select with a 1.

Find your entry or F6 to add a new entry. Fill in the keys with a value or a wild "*"

Enter the value for the text. Settings. If you have changed these values you will need to use Option 99 on the ACM menu, after the apply of this update, to change them again.

Model Year

Plastic Omnium does not send model year. Therefore, the Requirement and Price Files must be entered leaving the Model Year field blank.

Special Processing

Plastic Omnium DELFOR JIT Delivery Schedules received are changed to 862s during “Breakdown,” because Plastic Omnium uses the DELFOR JIT Delivery Schedules as authorized ship schedules. These requirements are processed as 862s and are viewed and printed as 862s on inquiries and reports.

Requirement Master File-Clear Flags

Infor suggests that clear flags (found in the Requirement Master) must be marked for DELFOR:

```
866 862 830 850
 _   X   X   _
```

This is subject to change based on the files Plastic Omnium transmits to your company.

Note: Do not select clear flags with "X" if requirements are transmitted only once for any given transaction set.

Requirement Master File-OEM Division

In the Requirement Master, set up the OEM Division equal to "EUROPE" for version D96A Europe; set up the OEM Division equal to "Blanks" for version D96A Non-Europe.

In the Trading Partnership File, the Customer and Destination Abbreviations need to be set up for both version D96A Europe and version D96A Non-Europe.

The system will have the ability to process both EDI inbound DELFOR version D97A or D96A Europe/ Non-Europe into the permanent production files for Plastic Omnium. The system will have the ability to generate both EDI outbound DESADV version D97A or D96A Europe/Non-Europe for Plastic Omnium.

VL0 Menu

```
VLD0000PM1     6/09/XX            MENU: VL0PM           11:38:45
12.0          ---------------------------------------------------
                        PLASTIC OMNIUM AUTO EXTERIOR
                    VARIABLE LENGTH TELECOMMUNICATIONS
              ---------------------------------------------------

                     1.  Receive Data
                     2.  Split Network Data Into OEM Files
                     3.  Breakdown Data
                     4.  Print Requirements (DELFOR)
                     5.  Process Requirements (DELFOR)

                    23.  Return to V/L Telecommunications
                    24.  Return to Main Menu

                                  Option
```

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

Print Method

Print Method: Optional

Plastic Omnium is coded to use the optional "Print" method, which affects the Breakdown, Print and Process options.

DESADV

```
VLD8000PM1      6/09/XX            MENU: VL8PM           11:40:09
12.0           ---------------------------------------------------
                          PLASTIC OMNIUM AUTO EXTERIOR
                                   DESADV MENU
               ---------------------------------------------------

               1. Maintain DESADV Messages
               2. List DESADV Messages
               3. Create and Transmit DESADV
               4. Purge Transmitted DESADV Messages
               5. Reactivate Transmitted DESADV Messages


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

                                    Option
```

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

Maintain DESADV Messages

(Option 1 on the DESADV Menu)

DESADV Maintenance Screen

```
VLD810PM1                    DESADV FILE MAINTENANCE
  Company VK     Sequence Number   2182    OEM PM  DESADV V     Action Code O

Shipper # .. 123885     In-House Part # I25100071              U of M ... EA
Ship Date ..  2/21/XX   Cust Part # ... 25100071
Ship Time .. 13:17      Ret Container . N     (Y/N)
Arr Date ...            Customer Cont #112245
Arr Time ...            Plant ID ...... 000126730
Cust Abbv .. PMCUST     Corporate ID .. 0001236730
Dest Abbv .. PMDEST     Remit To ID ...
Dock Code ..            Ordered By ....
                        Container Qty .     2     Container Desc .  BOX25
Cum Shp ....        35  Net Weight ....      50   Carrier Abbv .... TRK
Qty Shp ....        20  Tare Weight ...     7     Dest Carrier ....
Equip Desc . TE                                   Conv Code ....... M
Equip Init . TL01       P.O. # ........ 5102001344
                        Conv Bill # ... 123885



 F8=Enter AETC   F10=Delete   F12=Return
```

- Company Number - Displays the company number that was previously entered.
- Sequence Number - Assigned by the system.
- OEM - “PM” for Plastic Omnium.
- DESADV - Defaults from the ASN field in the Destination File. This code may be changed at shipper entry time. Enter “V” for variable length without bar code or “C” for variable length with bar code.
- Action Code - The action code places the corresponding two-digit code in the BGM segment in the DESADV file. Valid action codes include the following:

  O - Original 9

  N - Cancel 1

  A - Add 2

  C - Change 4

  H - Hold Record will not be included in transmission
- Many fields on the DESADV screen default from various master files. However, many of them can be changed at shipper entry time.
- 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.
- U of M - Defaults from ASN Unit of Measure field in the Destination File. It can be changed at shipper entry time.
- Ship Date - Date of shipment in the MMDDYY format. Defaults from shipper entry time.
- Ret Container - Defaults from the Requirement A record. It may be changed at shipper time.
- Net Weight - Total weight of parts, calculated by multiplying the quantity shipped times the net weight per part entered in the Parts Cross Reference File. It can be changed at shipper entry time.
- DESADV - Defaults from the ASN field in the Destination Master Fille. The DESADV code can be changed at shipper entry time. Plastic Omnium uses “V” for variable length without bar code.
- Qty Shp - Number of pieces shipped.
- Cust Part # - Plastic Omnium's part number.
- 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.
- Arr Date - Entered at shipper entry time. If blank, segment not created.
- Arr Time - Entered at shipper entry time. If blank, segment not created.

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

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

- Corporate ID - Defaults from the Identification Code File. The Supplier Code entered in the Requirement Master finds a match in the Plant ID field in the Identification Code File, and if there is a Corporate ID entered, it defaults to this field.

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

- Remit to ID - Defaults from the Identification Code File. The Supplier Code entered in the Requirement Master finds a match in the Plant ID field in the Identification Code File, and if there is a remit to ID entered, it defaults to this field.

- 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 DESADV file.

- Ordered by - Ordering party for ship direct orders. Transmitted in the NAD+OB segment for direct shipments only. The first two positions represent the responsible agency code, positions three and four represent the qualifier “OB,” and positions five through thirty identify the ordering party.

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

- Container Desc - Container description must be a valid AIAG standard description consisting of three alpha characters followed by two numeric characters. This defaults from the Container File. The container code may be changed at shipper entry time.

- CUM Shp - The total numbers of parts shipped this model year.

- Net Weight - Total weight of parts, calculated by multiplying the quantity shipped times the net weight per part entered in the Parts Cross Reference File. It may be changed at shipper entry time.

- Carrier Abbv - Carrier Abbreviation (SCAC Code), which defaults from the Carrier Abbreviation field in the Carrier File.

- Qty Shp - 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 File. The tare weight can be changed at shipper entry time.

- Dest Carrier - Carrier Abbreviation (SCAC Code), which defaults from the Delivery Carrier field in the Carrier File.

- Conv 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 will default.

- Equip Desc - The Equipment Description further describes the Conveyance Code. It defaults from the Carrier File. Valid codes include the following:

    - CN - Container (use CN for air shipments)

    - RR - Rail Car

    - TE - Trailer

    - Transmitted in the EQD segment, position 300, DE 8053.

- Conv Code - AIAG standard code, which describes the method of conveyance. Defaults from the Carrier File. It may be changed at shipper entry time.

- Transmitted in the TDT segment, position 240, DE C220, CE 8067.

- Equip Init - Equipment owners code, which defaults from the Carrier File. The equipment initial may be changed on the shipper header screen.

- Transmitted in the EQD segment, position 300, DE 8260.

- P.O. # - Purchase Order Number defaults from the Requirement B record. The Purchase Order Number is transmitted in the DELJIT JS.

- F8 - Enter AETC - AETC codes are used only when the Conveyance Code is AE (Air Express) or E (Expedited Truck) for expedited shipments. The excess transportation screen displays for you to enter the excess transportation reason code, responsibility code, and authorized excess transportation code. The AETC number may also be entered on the shipper header screen.

AETC Window

AETC codes are used only when the Conveyance Code is AE (Air Express) or E (Expedited Truck) for expedited shipments. The AETC code may also be entered on the shipper header screen. If the AETC code was entered on the shipper header screen, the AETC code is defaulted in DESADV maintenance.

```
XADX1012B          EXCESS TRANSPORTATION

Shipper  Reason   Responsibility   Authorization
Number    Code         Code        Number
```

The Shipper Number is defaulted and cannot be changed.

- Reason Code - The Reason Code may be prompted from the AETC reason code file on the Additional File Maintenance Menu. Valid Reason Codes include the following:

    A - Special rail car order, schedule increase forecast change

B - Engineering change or late release

C - Specification (schedule) error / overbuilding

D - Shipment tracing delay

E - Plant inventory loss

F - Building ahead of schedule

G - Vendor behind schedule

H - Failed to include in last shipment

I - Carrier loss claim

J - Transportation failure

K - Insufficient weight for carload

L - Reject or discrepancy (material rejected in prior shipment)

M - Transportation delay

N - Lack of railcar or railroad equipment

P - Releasing error

R - Record error or crate reported discrepancy report

T - Common or peculiar part schedule increase

U - Alternative supplier shipping for responsible supplier

V - Direct schedule or locally controlled

W - Purchasing waiver approval

X - Authorization code to be determined

Z - Pilot material

- Responsibility Code - The Responsibility Code may be prompted from the AETC responsibility code file on the Additional File Maintenance Menu. Valid Responsibility Codes include the following:

  A - Customer plant (receiving location)

  B - Material release issuer

  S - Supplier authority

  X - Responsibility to be determined

- Authorization Number - If the AETC number was entered in shipper maintenance, it is defaulted.

Shipper Header Screen

(From the Shipper Maintenance Screen)

If the Conveyance Code is AE (Air Express) or E (Expedited Truck), indicating expedited shipments, the AETC code may be entered here, on the DESADV Maintenance screen or on the Create and Transmit DESADV screen. If it is entered here, the AETC code defaults to the DESADV Maintenance screen.

```
Use Names File Company.
Batch ID..............                  Carrier .  100 CENTRAL TRANSPORT
Conveyance Number .....
Shipper Date/Time ..... 11/19/XX        Equip. Initial ...      SCAC ....
CTNR
Arrival Date/Time .....  0/00/00        Conv/Rte/Pool Loc. LT
OEM Code ............... AT             Remarks ..........
No Charge Invoice (Y/N) N               FOB ............... NORTHVILLE
Payment Type: X Coll   PP   PPI   Other AETC .............
Alt. Description.                       Appt Number ......
Terms ........... NET 30                Seal Number ......
Routing .........
F7=Ford Export Options   F8=Export Options       F9=Prompt Carrier
F12=Return
F13=Seal Number Maint    F15=Prompt Dest Number  F16=Prompt Sold-To/Ship-To
```

Enter the AETC code exactly as received from Plastic Omnium. The AETC code is placed in the AETC field in shipper maintenance when the "Extract" option is taken. The AETC code is transmitted in the TDT segment with the Reason Code and Responsibility Codes entered in the DESADV maintenance screen.

Note: Error messages relating to the AETC fields are warning messages. They may be mandatory for some plants and not required by others.

F8 - Enter AETC

(From the DESADV Update Information Screen)

AETC codes are used only when the Conveyance Code is AE (Air Express) or E (Expedited Truck) for expedited shipments. The AETC code may also be entered on the shipper header screen. If the AETC code was entered on the shipper header screen, the AETC code is defaulted in DESADV maintenance.

AETC Window

```
XADX1012B          EXCESS TRANSPORTATION

Shipper  Reason   Responsibility   Authorization
Number    Code         Code        Number
```

The reason code and responsibility codes may be prompted using F4=prompt. When F4=prompt is used, depending on the field prompted, the AETC Reason Code file or the AETC Responsibility Code file is accessed. If the AETC number was entered in shipper maintenance, it is defaulted.

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 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.

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.