



Infor ZF Group EDIFACT (ZG)

Traditional

Copyright © 2020 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 ZF Group EDIFACT

Publication date: October 2020

Contents

Contents	3
Table of Changes	5
Transaction Sets and Versions	6
Miscellaneous Information	6
Security	7
Communication Method	7
File Archiving / Auto Print and Process	7
Identification Code File	8
Trading Partnership File (EDIFACT)	9
Master File Entry	12
Carrier Master File	12
Destination Master File	13
Bar Code Requirements	13
Name Master File (DESADV Version D07A only)	13
Freight Forwarder (optional)	14
Requirement File - Clear Flags	15
Requirement File - Report Flags	15
Requirement File – Special Processing	15
Container Master & Bill of Material Master Files	16
EDI Code File	20
Unit of Measure Codes	21
VL0 Menu	22
P.O. History Menu	23
ORDERS History	23
Shipper Entry	24
Scanning	24
Example of Pallet Scan:	24
Example of Container Scan:	25
DESADV	27
DESADV Header Maintenance screen	27
DESADV Detail Maintenance screen	27
Electronic Invoice (INVOIC/810)	28
File Setup	28
Machine Readable File	29
How to Use This Document	31

General Information	31
Security	31
Implementation.....	31
ASNs/DESADVs	31

Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Feger	08/19/2020	New	A120060501 A120060502 A120060503 A120060504 A120062604 A120081801 A120081802 A120081803 A120081901 A120082001	Beta Supplement
K. Feger	10/19/2020		A120090303 A120091902 A120101603 A120101604 A120101605 A120101606 A120101801	GA Release Supplement

General Information

Transaction Sets and Versions

The ZF Group EDIFACT module supports the following transaction sets:

- DELFOR Version D97A
- DELJIT Version D97A (select suppliers)
- DESADV Version D97A
- DESADV Version D07A (new plants and suppliers)
- INVOIC Version D07A
- ORDERS Version D97A

The **DELFOR Forecast Delivery message** contains firm and planning requirements. Suppliers receive the message on a monthly, weekly, or daily basis. Each DELFOR contains only one part number. As a result, the supplier will receive multiple DELFORs for the same time period.

The **DELJIT Kanban Delivery message** contains firm requirements. Suppliers receive the message on a daily basis. Each DELJIT contains only one part number. As a result, the supplier will receive multiple DELJITs for the same time period.

The **DESADV message** is defined as a package-based EDI message that is required to be transmitted immediately upon dispatch of the shipment from the supplier. ZF Group has updated their DESADV to the VDA4987 Global DESADV format version D07A. The new D07A DESADV will be required for new suppliers or suppliers adding a new ZF Group shipping location. Existing suppliers may still use the D97A DESADV.

The **INVOIC Electronic Invoice message** is used to send billing information to ZF Group EDIFACT.

The **ORDERS Purchase Order message** contains firm requirements. Suppliers receive the message as needed.

All ZF Group 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.

Miscellaneous Information

None

Security

Communication Method

ZF Group EDIFACT 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
<p>OEM Company</p> <p>Auto Print Auto Process..... Auto 997..... Days To Archive.....</p> <p>F4=Prompt F12=Cancel</p>	

- 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 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

ZF Group EDIFACT requires the supplier to print & scan bar code since master, mixed, and container serial numbers are required on the ASN.

AutoScan has been modified for ZF Group EDIFACT to allow scanning the returnable container for both outer container (master label) & inner container (associated container label). Blanks are allowed since BOM may or may not be used by the supplier. If container Bill of Materials (container components) are used (such as trays, frames, lids, inlays, etc.), it is the supplier's responsibility to see that the container IDs that are expected to be included on the ASN be scanned using this same value. Bingo cards may be used. Container Bill of Materials will not extract into the bar code files unless containers are scanned.

Identification Code File

The Identification Code File is used when taking the option to "Split" a file received from ZF Group EDIFACT and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

IDENTIFICATION CODES	
Company Number	- xx
OEM Code	- ZG
Plant ID	- Mutually defined plant ID *
Press Enter to display remaining fields:	
OEM ID	- Sender ID
Corporate ID	- (To be determined)
Remit to Duns #	- Not used by ZF Group EDIFACT
Transmission Mode	- P (Production)
Smart Labels	- N
Pallet Staging	- N
Bar Code File Transfer	- N
Variable Unwrap Print	- Y or N
Automatic print of 997	- N
AutoMap	- N

* ZF Group EDIFACT business practices may be inconsistent from supplier to supplier depending on how the supplier is identified by the VAN. For example, the Plant ID may be a DUNS number for one supplier and another code for another supplier.

Errors that occur during the "Split" that indicates a code is missing from the Identification Code File are referring to Plant ID or 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 Corp ID.

Trading Partnership File (EDIFACT)

Machine Readable records MUST be entered BEFORE the trading partnership records can be created, because destinations are validated.

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 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 Trading Partnership review 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 the data format (“E” for EDIFACT).
5. Press Enter. The Maintain Trading Partnership File screen displays.
6. Press F7 (Infor defaults):
7. Press F12 to return to the Trading Partnership review screen.

IDENTIFICATION CODES			
Company Number	01		
OEM Code	ZG		
Plant ID	12345		(How the OEM defines your plant)
OEM ID	001122334455		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	Y	(Y/N)	
Pallet Staging	Y	(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 F15=Trading Partnership File (EDIFACT)			
F17=Selective F/A's F18=Additional Qualifiers F19=Outbound Receiver IDs			

VLD9702P	Maintain Trading Partnership File
Company Number..... 01	(A) ISA/ (C) ICS/ (E) Edifact: E
OEM Code..... ZG	
Supplier ID..... 12345	
Customer Abbrv(O).....	
Destination Abbrv(O)....	
EDIFACT Message Type.... DESADV	
User Define Description: DESADV MESSAGE -07A	Active (Y)/(N): Y
UNB - Qualifier/Information	
Sender: !!!! 001122334455	Syntax ID: UNOC
Receiver: !!!!	Syntax Version: 3
UNG - Qualifier/Information	
Sender: 01 109109	Processing Option: P
Receiver: 01	P=Print Before Sending
	Hexadecimal Code
Version.....: D	Sub Element Separator: 7A
Release Number....: 07A	Data Element Separator: 4E
Responsible Agency: UN	Segment Terminator: 7D
(T)est/(P)roduction: P	Acknowledgement Requested: N
F7=Create Infor Defaults F12=Return	

Processing Option: Optional. (P) Allows a spooled file to be generated and viewed before sending the transaction.

The UNB Qualifier defaults for ZF Group EDIFACT are !!!! which indicates no qualifiers are used. If you need qualifiers for your ZF Group EDIFACT shipping locations, you simply need to replace !!!! with the appropriate value.

For example:

```
VLD9702P                               Maintain Trading Partnership File

Company Number..... 01              (A)ISA/ (C)ICS/ (E)Edifact:   E
OEM Code..... ZG
Supplier ID..... SUPPLIERS ID
Customer Abbrev(O).....
Destination Abbrev(O)....
EDIFACT Message Type.... DESADV
User Define Description: DESADV MESSAGE -07A    Active (Y)/(N):   Y
      UNB - Qualifier/Information
Sender:   !!!! SUPPLIERS ID              Syntax ID:      UNOC
Receiver: !!!! ZF Group ID              Syntax Version: 3
      UNG - Qualifier/Information
Sender:   01                          Processing Option:    P
Receiver: 01                          P=Print Before Sending
                                      Hexadecimal Code
Version.....: D      Sub Element Separator:    7A
Release Number....: 07A    Data Element Separator:  4E
Responsible Agency: UN    Segment Terminator:    7D
(T)est/(P)roduction: P    Acknowledgement Requested: N

F7=Create Infor Defaults  F12=Return
```

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.

Carrier Master File

ZF Group EDIFACT does not use AIAG standard Conveyance Codes. A valid VDA Conveyance Code must be included on the ASN / DESADV.

Valid Conveyance Codes:

D97A DESADV:	6 = Aircraft
	11 = Ship
	25 = Rail Express
	31 = Truck
D07A DESADV:	10 = Maritime transport
	20 = Rail transport
	30= Road transport
	40 = Air transport
	50 = Mail
	60 = Multimodal transport
	70 = Fixed transport installations
	80 = Inland water transport

Valid Equipment Description:

D97A DESADV:	CN = Container
	TE = Trailer
	PRO = Pro Number
D07A DESADV:	CN = Container
	RR = Rail car
	SW = Swap body
	TE = Trailer

Destination Master File

Bar Code Requirements

ZF Group EDIFACT requires the use of bar code labels and the ASN/DESADV type must be “C” to include bar code data in the DESADV.

Name Master File (DESADV Version D07A only)

ZF Group EDIFACT may have two Name fields and two address lines in the NAD+BY and NAD+ST segments. These data elements have a value of 35 characters each. In order to send this information in the format required by ZF Group EDIFACT, the Name File will be used to accommodate values that will not fit or are not available in the Customer and Destination Masters.

From File Maintenance Menu:

Option 19. Name File Maintenance:

Set up a name record for OEM ZG and Qualifier BY

Set up a name record for OEM ZG and Qualifier ST

Make note of the name number you used to create these records.

From File Maintenance Menu:

Option 9. Destination

Select your ZF Group EDIFACT destination master

Place the name numbers into the Names: fields to associate the name records to destination.

This will allow the longer fields to be used for the DESADV create.

If the Name File is not set up, the DESADV will contain the values from shipping history to populate the NAD segments.

In the Destination Master File, if the Name 1, Name 2, Address 1 or Address 2 are not long enough to hold ZF Group EDIFACT's full name or address values, you will need to create a Name File record for OEM ZG and qualifier ST and then associate it to the Destination Master File.

Fill out the OEM, Qualifier, Name 1, Name 2, Address 1, Address 2 if the values did not fit in the Destination Master File. All other fields are optional. During DESADV create, each NAD data element will look at the Name File first. If there is a value, it will be used. Otherwise, the value from the shipper will be used. This applies to the Buyer and Ship-to NAD segments only.

MAINTAIN NAME MASTER FILE	
Company Number ..	01 SMITH INDUSTRIES
Number	98
Name SHIP TO NAME	
Name 2	SHIP TO NAME 2
Name 3	
Name 4	
Name 5	
Address 1 .	SHIP TO ADDRESS 1
Address 2 .	SHIP TO ADDRESS 2
Address 3 .	
Address 4 .	
City	SHIP TO CITY
State	ST
Zip Code ..	STZIP
Country ...	STC
Vat Number	
Tax Code ..	
Addtl ID ..	
Qualifier .	ST
OEM	W
F7=Report	F10=Delete F12=Cancel

Freight Forwarder Preference (optional)

Enter the Freight Forwarder internal number into the "Frt Fwd Pref" field. This value will flow through to the DESADV. It can be changed on the ASN INFORMATION screen during shipper maintenance or in the DESADV maintenance or DESADV Create.

Freight Forwarder (optional)

Freight Forwarder information is required on the DESADV. Enter the following values:

Freight Forwarder Code = Freight Forwarding number including the 2-digit index

Freight Forwarder Name

Freight Forwarder City

Requirement Master File (Header)

JTDMAINT2		REQUIREMENT MASTER ENTRY		CHANGE	
Company 01	Customer ZGCUST	Part I-7496265-03	Destination ZGDEST	MY	
Customer Part #	7496265-03	OEM Code	ZG		
Supplier Code	12345	OEM Division ...			
Customer #	1025	Destination #			
123456					
Commodity Code	100	Unit of Measure	PCE		
Controlling Source .		Price Code	A		
Dock Code		Trailer Capacity ...			
Container Part # ...	100	Package Quantity ...		20	
MRP		Reports		Clear	
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		

Requirement File - Clear Flags

Mark the Clear Flag for 830 only

Requirement File - Report Flags

The Requirement Master report flags should be marked for 830 (DELFOR), 862 (DELJIT) and/or 850 (ORDERS) based on the EDIFACT messages you receive from ZF Group EDIFACT.

Requirement File – Special Processing

The 'Load Past Due' field is used when building the Load File and/or the MRP File to determine how to place past due requirements (that have been shifted out of the Requirement File).

'Y' - Load file ONLY. Past due requirements are retrieved individually, from the shift history file, including all detail (Purchase Order Number, release number, RAN, engineering revision level, etc.) pertaining to the requirement and placed in the Load File.

'B' - Past due requirements with all detail will be placed in both the Load File and the MRP File.

It is recommended that you mark this flag to retain all detail from the past due requirements that have previously shifted out of the Requirements File (Y or B).

Container Master & Bill of Material Master Files

The Container Master File record must contain accurate information with data in ZF Group EDIFACT's container management system. For containers with multiple packaging components/dunnage, set the returnable container flag to either Y or N, the BOM/Dunnage File flags must be set to Y, and the F13 = BOM Maintenance setups completed. For containers and reference pallet container records, place the owner code in the **OEM Special Processing** field. Use O = OEM, S = Supplier owned, 3 = 3rd part owned.

CONTAINER (1st Screen):

MAINTAIN CONTAINER MASTER FILE	
Company Number	01
Container Number	ZGCONTINER
Customer Abbreviation	
Destination Abbreviation ...	
Customer Container Number	91000153
Internal Container Description	ZF CONTAINER
ASN/DESADV Cont Desc/Cont Desc	CTN90 / CTN90
Returnable Container (Y/N/X)	Y
Print Ctn on Separate Line (Y/N)	Y
Relieve Inventory (Y/N)	N
Use BOM/Dunnage Information (Y/N)	N
Container Weight (5)	1.00000
Print/Extract BOM (Y/N)	N
Multiple Line Items/Container (Y/N/M) ..	N
Combine Partial Containers (Y/N)	N
Harmonized System Code	
Country of Origin	
OEM Special Processing	
F1=Help F12=Return F13=BOM Maintenance F14=Cum Shipped	

CONTAINER (2nd Screen):

MAINTAIN CONTAINER MASTER FILE	
Company Number	01
Container Number	ZGCONTINER
Customer Abbreviation	
Destination Abbreviation ...	
ASN/DESADV Pallet Desc / Pallet Desc ..	CTN90 / CTN90
Pallet Weight (2)	10.00
Pallet Capacity	5
Reference Pallet Number	ZGPALLET
Default Shipping Location	
Default Warehouse Location	
Default Consignee Location	
Default Consignee Warehouse	
Container Value for Export Papers (2) ..	
Credit Account Number	
Debit Account Number	
Price Code	
F1=Help F8=Addl Info F10=Delete F12=Return	

REFERENCE PALLET (1st Screen):

MAINTAIN CONTAINER MASTER FILE	
Company Number	01
Container Number	ZGPALLET
Customer Abbreviation	
Destination Abbreviation ...	
Customer Container Number	91000015
Internal Container Description	ZF GROUP PALLET
ASN/DESADV Cont Desc/Cont Desc	PLT90 / PLT90
Returnable Container (Y/N/X)	Y
Print Ctn on Separate Line (Y/N)	Y
Relieve Inventory (Y/N)	N
Use BOM/Dunnage Information (Y/N)	Y
Container Weight (5)	
Print/Extract BOM (Y/N)	Y
Multiple Line Items/Container (Y/N/M) ..	N
Combine Partial Containers (Y/N)	N
Harmonized System Code	
Country of Origin	
OEM Special Processing	
F1=Help F12=Return F13=BOM Maintenance F14=Cum Shipped	

REFERENCE PALLET (2nd Screen):

MAINTAIN CONTAINER MASTER FILE	
Company Number	01
Container Number	ZGPALLET
Customer Abbreviation	
Destination Abbreviation ...	
ASN/DESADV Pallet Desc / Pallet Desc ..	/
Pallet Weight (2)	
Pallet Capacity	
Reference Pallet Number	
Default Shipping Location	
Default Warehouse Location	
Default Consignee Location	
Default Consignee Warehouse	
Container Value for Export Papers (2) ..	
Credit Account Number	
Debit Account Number	
Price Code	
F1=Help F8=Addl Info F10=Delete F12=Return	

BILL OF MATERIAL (BOM) FOR REFERENCE PALLET

MAINTAIN CONTAINER BILL OF MATERIAL FILE					
Options: 1=Select 4=Delete					
Opt	Co	Container Part	Cust Abbrev	Dest Abbrev	Component Part Number
GE	01	ZGPALLET			
	01	ZGPALLET			91000005
	01	ZGPALLET			91000015
F1=Help F12=Return					

LID: (must enter * fields for ZF Group EDIFACT)

MAINTAIN CONTAINER BILL OF MATERIAL FILE	
Company Number	01
Container Part Number	ZGPALLET
Customer Abbreviation.....	(O)
Destination Abbreviation ...	(O)
Component Part Number	91000005
Customer Component Part Number	91000005
Quantity Per Container	1
Weight (5)	1.00000
ASN/DESADV Cont Desc / Cont Desc	LID90 / LID90
Price Code	A
Calculate quantity based upon percentage of package quantity? (Y/N)	N
Component Owner (S/O)	S
Returnable (Y/N)	Y
Component Type (P/C/APx/ACx) ..	AP
Aux Pkg Assigned to Container .	
<div>Dimensions:</div> <div>Height</div> <div>Length</div> <div>Width</div> <div>U of M</div>	
F1=Help F10=Delete F12=Return	F14=Cum Shipped

PALLET: (must enter * fields for ZF Group EDIFACT)

MAINTAIN CONTAINER BILL OF MATERIAL FILE	
Company Number	01
Container Part Number	ZGPALLET
Customer Abbreviation.....	(O)
Destination Abbreviation ...	(O)
Component Part Number	91000015
Customer Component Part Number	91000015
Quantity Per Container	1
Weight (5)	10.00000
ASN/DESADV Cont Desc / Cont Desc	PLT90 / PLT90
Price Code	
Calculate quantity based upon percentage of package quantity? (Y/N)	N
Dimensions:	
Height	
Length	
Width	
U of M	
Component Owner (S/O)	S
Returnable (Y/N)	Y
Component Type (P/C/APx/ACx) ..	P
Aux Pkg Assigned to Container .	
F1=Help F10=Delete F12=Return	F14=Cum Shipped

In the PAC segment for each pallet, container and auxiliary packaging (i.e. lid, trays, etc.) there is a value which indicates if the packaging is returnable or expendable and whether the packaging is owned by ZF Group or the Supplier.

- AAA - One way packaging, supplier pays
- AAB - One way packaging, customer pays
- AAC - Customer's returnable package item
- AAD - Supplier's returnable package item
- AAE - Service provider's returnable package item

For packaging that has a bill of material (i.e. reference pallet, lids, trays) you will need to set up the Component Owner and Returnable fields with the appropriate values.

- * Component Owner (S/O) S
- * Returnable (Y/N) Y

Note: The component owner code for 3rd party packaging will be added at a later date.

If the component owner and returnable flag are marked, the following codes are sent back on the DESADV:

	Owner	Returnable
AAA	S	N
AAB	O	N
AAC	O	Y
AAD	S	Y
AAE	3	Y

During the DESADV create, if the correct values cannot be determined due to missing returnable or ownership fields, then the returnable flag from the ASN record for the container will be used and the owner will default to the OEM (AAB for one way packaging and AAC for returnable packaging).

CUM Required Prior

ZF Group EDIFACT sends CUM Received. The CUM Received is placed in the CUM Required Prior field. Therefore, it is not necessary to enter a CUM Required figure manually before going live. The CUM Required that is transmitted overlays what was entered manually.

The CUM Required Prior is used to calculate ahead and behind figures and to round to package quantity. Enter the CUM Required Prior when entering a ZF Group EDIFACT manual requirement or while testing. To enter, press F5 or select a part from the Manual Requirements Entry screen.

EDI Code File

ZF Group EDIFACT transmits a numeric code that AutoRelease converts to an alpha type and frequency code.

Type Codes

Use type C (Firm) or type D (Planning) when entering records in the EDI Code File.

DELFOR/830:

- Code 1 (Firm) converted to C (Firm)
- Code 4 (Planning) converted to D (Planning)

DELJIT/862:

- Code 9 (Firm) converted to C (Firm)

ORDERS/850:

- No codes are sent, requirements default to C (Firm)

Unit of Measure Codes

ZF Group EDIFACT requires the following Unit of Measure codes:

- PCE – Piece
- KGM – Kilogram
- LTR – Liter
- MTR – Meter
- MTK – Square Meter
- SET – Set
- C62 – One

VL0 Menu

VLD0000ZG1	8/19/20	MENU: VL0ZG	1:39:47
12.0	-----		
ZF GROUP EDIFACT VARIABLE LENGTH TELECOMMUNICATIONS -----			
1. Receive Data 2. Split Network Data Into OEM Files 3. Breakdown Data 4. Acknowledge Received Data 5. Print Acknowledgements (CONTRL) 6. Print Requirements (DELFOR, DELJIT, ORDERS) 7. Process Requirements (DELFOR, DELJIT, ORDERS) 8. Purchase Order Menu (ORDERS)			
23. Return to V/L Telecommunications 24. Return to Main Menu			
Option			

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

Requirement Processing

- DELFOR (830) may contain both firm and planning requirements.
- DELJIT (862) will contain firm requirements (select suppliers)
- ORDERS (850) will contain firm requirements (select suppliers)

P.O. History Menu

ORDERS History

12.0	10/18/20	MENU: VL35ZG	1:07:10

ZF GROUP EDIFACT			
P.O. INQUIRY MENU			

1. Display Purchase Orders			
2. List Purchase Orders			
3. Purge Purchase Orders			
23. Return to V/L Communications Menu			
24. Return to Main Menu			
Option			

The ORDERS message is processed into the requirement masters as an 850. They are also written to the ORDERS history file. The above menu allows you to display, print and purge the EDIFACT ORDERS information.

Shipper Entry

- Arrival Date & Time must be added to the Shipper header record.

Scanning

ZF Group EDIFACT requires the packaging information to be scanned during the Scan to Verify process. After the label serial number is scanned, you will be prompted for the container information.

Scanning Pallets

The ZF Group EDIFACT Container number for the master or mixed pallet needs to be entered in the Returnable Container field. If the pallet has a lid or trays, the ZF Group EDIFACT number for the lid/tray should be entered in the IPP Tag 2 field and the quantity of the lid/tray should be entered in the Reason Code under the IPP Tag 2 field.

Scanning Containers

The ZF Group EDIFACT Container number for the container needs to be entered in the Returnable Container field.

Example of Pallet Scan:

Master or Mixed Label 1st Screen

Scan the Master (6J) or Mixed (5J) Serial number(s)

```
Bar Code Verify
SHIPPER NUMBER __2808
F3=Exit  F4=Prmpt
Part
QTY SHP  QTY REM
```

Scans:

```
SERIAL NUMBER
6JUN123456789000000501
```


Master or Mixed Label 2nd Screen

Enter the pallet number in the returnable container field (no qualifier), put the lid/trays part number in the IPP Tag 2 field with qualifier of J and put the number of lid/trays in the Reason Code with a qualifier of R

Scan Fields	
Returnable Container	
91000015	
IPP Tag 1	
Reason Code	
IPP Tag 2	
J91000005	
Reason Code	R1
F3=Return	

Example of Container Scan:**Container label 1st Screen**

Scan the Container (1J) Serial number(s)

Bar Code Verify	
SHIPPER NUMBER __2808	
F3=Exit F4=Prmpt	
Part	
QTY SHP	QTY REM
Scans:	
SERIAL NUMBER	
1JUN123456789000000495	

Container label 2nd Screen

Enter the container number into the returnable container field. Leave the rest of the fields blank.

Scan Fields	
Returnable Container	
91000153	
IPP Tag 1	
<hr/>	
Reason Code	____
IPP Tag 2	
<hr/>	
Reason Code	____
F3=Return	

DESADV

DESADV Header Maintenance screen

VLD810ZG1		DESADV FILE MAINTENANCE	
Sequence number	4314	Company	01
		Action Code	O

Ship/Inv # ...	2808	OEM	ZG
Ship Date	4/17/20	DESADV	V
Ship Time	10:21	Net Weight	40
Ship Line # ..	1	Tare Weight	18
Arrival Date .	4/30/20	Container Qty ..	8
Arrival Time .	12:00	Cont Desc	BOX
Qty Shp	8	Pallet Qty	2
Unit of Mea ..	C62	Pallet Desc	PALET
Qty Per Pack..	1	Return Cont	N
Reqmnt Dt/Tm .	1/01/20	Plant ID	ZGSUPPLIER ID
Release Date .	1/06/20	Cust Prt #	4460323134
In-House Prt#	I-4460323134	Part Desc	PART DESC FOR 4460323134
P.O. #	5500218473	Eng Rev Lvl ...	ER17
P.O. Line # ..	00010	Lot No	
RAN		Vendor Part ...	
Country Org ..	US	Place of Dlvty .	
Conv Bill # ..	CB # 1-003470	Carrier Name ..	OUTBOUND EXPRESS
Pro Number ...	PRO # 4-003470	Lgs Prv #	LOGISTICS
F10=Delete	F12=Return	F15=Prompt Freight Forwarder	

DESADV Type must be C (defaults from Destination Master).

Ship Date:	Transmitted in the DTM + 11 segment.
Ship Time:	Transmitted in the DTM segment.
Carrier Conveyance Code:	Transmitted in TDT 03.
Arrival Date:	Transmitted in DTM + 132.

DESADV Detail Maintenance screen

Cust Part #:	Transmitted in the LIN segment.
Ship Qty:	Transmitted in the QTY + 11/12 segment.
PO Number:	Transmitted in the RFF+ON segment.

Electronic Invoice (INVOIC/810)

File Setup

Destination Master File

The Name File records created above need to be associated to the Destination Master. Enter the appropriate Name File numbers into the Names field at the bottom of the 1st screen.

* Mark the Print Invoices and Create Invoices flags to 'Y'.

* On the 3rd screen you must enter the Funds Type.

In the Destination Master File, set the Print Invoices and Create Invoices flags to "Y" as shown below.

SCD6300B		MAINTAIN DESTINATION MASTER FILE	
Company Number	01	SMITH INDUSTRIES	
Destination Number		100	
Name 1	ZF Group	FOB	FAYETTEVILLE
Name 2		Distributor Code ..	
Address 1 ..	123 MAIN STREET	Ford Dest Code	
Address 2 ..	US HIGHWAY 69	ASN/DESADV (B/C/N/O/V/Y)	V
Address 3 ..		GM Msg/Temp Msg Code ...	/
City/State .	CLAYCOMO	GM Std Loc/Ford Rt Cd 2.	
Zip Code ...	64119	Carrier Preference	100
Country	USA	Route Code / HMRS (Y/N).	
		Honda Destination	
Arrival/Ship Dates (A/S)	S	Supplier Type (P/S)	
Delivery Travel Time (Hrs/Min)		ASN Unit of Measure	PC
Delivery Travel Time (Days) ..		JIT Location (Y/N)	
		Bar Code Verif (Y/N/C/S)	N
Available Ship Days (X = Select)		Print Invoices (Y/N) ...	Y
S X M X T X W X H X F X S X		Create Invoices (Y/N) ..	Y
Names: 100		Payment Type: Coll	PP PPI Oth
		Alt. Description...	
		Dealer Code	
F1=Help F10=Delete F12=Return		Cat Europe Ult Dest	

Machine Readable File

In the Destination Abbreviation Record of the Machine Readable File, set the Electronic Invoices flag to “Y” as shown below.

DESTINATION ABBREVIATION RECORD			
Company Number	01		
OEM Code	EA		
Identification Number	123456789		
Dock Location			
Destination Abbreviation	EACUST		
Destination Description			
P O Destination	000000000		
ERS Destination		(Y/N)	
OEM Consideration		(Y/N)	
Electronic Invoices	Y	(Y/N)	
Line Set	N	(Y/N)	
Clear By Destination	N	(Y/N)	
Type of FBO		(M/S)	
Chrysler PAB/Non-PAB Combine.		(Y/N)	
Send Prev CUM on ASN/DESADV .	N	(Y/N)	
Exclude from APNAT calc	N	(Y/N)	
Place on Credit Hold		(Y/N)	
Ship Direct		(Y/N)	

REQUIREMENT MASTER

The Vendor Part number is optional on the ZF Group EDIFACT INVOIC. To send, enter the Vendor Part number in the F7=OEM Info.

PARTS CROSS REFERENCE:

The Parts Cross Reference records for ZF Group EDIFACT must be set up with the Destination Abbreviation in order for the Country of Origin and part description segments to be on the INVOIC.

PRICE FILE

All ZF Group EDIFACT parts will require a price record.

TAX FILE

The ZF Group EDIFACT INVOIC requires a VAT tax when applicable. Set up a TAX record using Option 17. Tax Rate from the File Maintenance Menu. The Rate must be setup as a decimal. So, if your tax rate is 2% it must be entered as .2 in the Tax Rate File.

CHARGE/TAX FILE:

The only charge/tax allowed by ZF Group EDIFACT is the VAT tax. If applicable, set up a charge record for the VAT tax for each part for which it applies.

Mark the Assign Taxes field with 'X'

Mark Retain Charge with 'Y'

Enter the Category of VAT into Special

Services Code field

Enter Tax Number from the Tax file in the Applicable Taxes field

NAMES FILE:

The Name File will be used to send all address information, IDs and VAT # for all the NAD segments on the INVOIC. The Name File is accessed from the File Maintenance Menu, option 19.

A separate record is needed for the Buyer (BY), Seller (SE), Invoicee (IV)- optional and Ship-To (ST). You will need to enter the following mandatory data:

- * Name
- * Address
- * City
- * Zip/Postal Code
- * Country
- * VAT Number
- * Additional ID
- * Qualifier
- * OEM

DESTINATION MASTER:

The Name File records created above need to be associated to the Destination Master. Enter the appropriate Name File numbers into the Names field at the bottom of the 1st screen.

Mark the Print Invoices and Create Invoices flags to 'Y'.

On the 3rd screen you must enter the Funds Type.

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.

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 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/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.