



Infor TS Tech (UF)

Traditional

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## Table of Changes

Changed By	Date	Reason	Update#	Section Changed

# General Information

## Transaction Sets

The TS Tech Trading Partner module supports the following transaction sets:

- |       |                   |              |
|-------|-------------------|--------------|
| ▪ 830 | Material Release  | Version 4010 |
| ▪ 856 | ASN               | Version 4010 |
| ▪ 862 | Shipping Schedule | 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 mandatory for TS Tech.

The **862 (Shipping Schedule)** contains firm ship requirements.

# Security

## Communication Method

TS Tech 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 options to "Split" and "Breakdown" a file received from TS Tech and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

Company Number	- xx
OEM Code	- UF
Plant ID	- Supplier ID defined by TS Tech
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 Partnership File setup.

1. Press F6 (ADD) from the Trading Partnership Review screen.
2. Abbreviations may be entered. Press Enter.
3. Enter the code representing data format (A for ISA). Press Enter. The Maintain Trading Partnership File Detail screen is displayed.
4. Press F7 (Infor defaults).  
Modifications may be needed to the 856 ISA record. Verify the default record created.

```
VLD9702A                               Maintain Trading Partnership File

Company Number..... CO                (A) ISA/ (C) ICS/ (E) Edifact: A
OEM Code..... UF
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 records. Verify the default information created.



## GS Detail Screen

VLD9702E		Maintain Functional Identifier	
Company Number.....	CO		
OEM Code.....	UF		
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.

## Application Control File

This Application Control File associates the Purchase Order number with the master/mixed and individual labels. To retrieve the Purchase Order number from the requirement records at label print time, enter "PRINT" or "PRINTVER" in the Infor Data field. To prompt the user for the Purchase Order number when the scan-to-verify or pallet staging is performed, enter "PROMPTVER" in the Infor Data field.

CO = 01

Application Name = \*ALL

Keyword = SCANPOUF

Length = 10

Dec= blank

Infor Data = "PRINTVER" or "PRINT" or "PROMPTVER"

## Requirement Master

JTDMAINT2										REQUIREMENT MASTER ENTRY										CHANGE									
Company XX					Customer UF					Part 1111					Destination UF					MY									
Customer Part # .... 1111										OEM Code ..... UF																			
Supplier Code ..... XXXXXXXXXXXX										OEM Division ...																			
Customer # ..... 9999										Destination # ..... 9999																			
Commodity Code .....										Unit of Measure .... EA																			
Controlling Source .										Price Code .....																			
Dock Code .....										Trailer Capacity ...																			
Container Part # ...										Package Quantity ...																			
MRP					Reports					Clear																			
866	862	830	850		866	862	X	830	X	850		866	862	X	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   X   _
```

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

## Model Year

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

## CUM Required Prior

TS Tech may send a CUM required prior however all values transmitted are actual quantities required.

## VL0 Menu

VLD0000UF1	4/10/XX	MENU: VL0UF	17:03:01
12.0	-----		
	TS TECH		
	VARIABLE LENGTH TELECOMMUNICATIONS		
	-----		
	1. Receive Data		
	2. Split Network Data Into OEM Files		
	3. Breakdown Data		
	4. Print Requirements (830,862)		
	5. Process Requirements (830,862)		
	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 = VLC0000UF and Record Format = VL0UF

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

## ASNs

VLD8000UF1 12.0	10/09/XX	MENU: VL8UF	8:50:39
-----			
TS TECH			
ADVANCE SHIPMENT NOTIFICATIONS			
-----			
1. Maintain ASNs			
2. List ASNs			
3. Upload / Convert Bar Code Data			
4. Maintain Bar Code Data			
5. Maintain Printed Bar Code Labels			
6. List Bar Code Data			
7. List Printed Bar Code Labels			
8. Create and Transmit ASNs			
9. Purge Printed Bar Code Labels			
10. Purge Transmitted ASNs/Bar Code			
11. 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 = VLC8000UF and Record Format = VL8UF

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

## Bar Code

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

# Security

## Communication Method

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

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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 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.
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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.

# How to Use This Document

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

## General Information

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

## Security

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

## Implementation

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

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

## VL0 Menu

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

Daily Procedures	Describes the Receive, Split, Breakdown, Print, Process, and Transmit 997
Security	Describes all security selection and maintenance options and VAN menus

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

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

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

## ASNs/DESADVs

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

ASN/DESADV (VL8) Options	Describes the standard procedures for transmitting ASNs/DESADV without bar code.
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ASN/DESADV with Bar Code Options	Describes the standard procedures for transmitting ASNs/DESADV 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/DESADV for this specific trading partner are identified.
- Options that are not commonly used by other trading partners are described in detail.

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

## Electronic Invoice Menu

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

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

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

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

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