# Infor VW Service (VW)

Traditional

# Contents

# Table of Changes

| Changed By | Date | Reason | Update# | Section Changed |
|------------|------|--------|---------|-----------------|
|            |      |        |         |                 |

# General Information

## Transaction Sets

The VW Service trading partner module supports the following transaction sets:

|  | **X12 Equivalent** | **EDIFACT Version** |
|---|---|---|
| • APERAK – Application Error & Acknowledgement | 824 | D08A |
| • CONTRL – Functional Acknowledgment | 997 | D08A |
| • DELFOR – Delivery Forecast | 830 | D97A |
| • DESDAV – Despatch Advice | 856 | D98A |
| • INVOIC – Invoice | 810 | D07A |
| • ORDERS – Orders | 850 | D97A |

All VW Service 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 numbers.

## 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

# Bar Code Requirements

The VW Service module is using bar code labels.  Please refer to the VW Label specifications for field /data format and layouts.

The VW Service bar code labels do not contain field data identifiers.  To scan labels within AutoScan the label data identifiers must be blank and the label type must be entered.

1) OEM Setup Maintenance (Option 2 on the BP00 Menu – Label Print Main Menu)
2) Setup the Label Print information for VW Service.
3) Press F10=Format Maint to setup Label Formats

```
TONYE                      Format File Maintenance               5/01/XX
RSDBP1600                                                        8:44:28


OEM Code: VW    Default Printer:  LPT1:


Type options, press Enter.
 2=Change    4=Delete


        Label              Data
Opt     Format             Identifier          Format Description
        VWC01                                  CONTAINER
        VWM01                                  MASTER
        VWX01                                  MIXED

                                                                 Bottom



F12=Return    F6=Add    F17=Top    F18=Bottom
```

4) Data Identifiers must be left blank and the Format Type must be entered for each Label Format.

```
                    Change Label Format Information


 Data Identifier ....
 Format Type ........ C  (P=Part, C=Container, M=Master, X=Mixed,
                                     B=Batch, Q=Quick, R=Rack)
 Format Description.. CONTAINER


 F12=Return
```

# Security

## Communication Method

VW Service 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 AM General and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

```
Company Number            - xx
OEM Code                  - VW
Plant ID                  - Supplier ID defined by VW Service

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

Follow the steps below to complete the Trading Partnership File setup.

1.  Press F6 (ADD) from the UNB List screen.

2.  Abbreviations may be entered.  Press Enter.

3.  Enter the code representing data format (E for EDIFACT). Press Enter. The UNB Detail screen is

    displayed.

4.  Press F7 (Infor defaults).

    Four UNB records are created:
    ➢ One DESADV message
    ➢ One PRICAT message
    ➢ One INVOIC message
    ➢ One APERAK message
    ➢ One CONTRL message

Modifications maybe needed to the various message UNB records.  Verify the default records created.

5.  Press Enter.

# UNB Detail Screen

```
VLD9702P                    Maintain Trading Partnership File

 Company Number.......... TE              (A)ISA/(C)ICS/(E)Edifact:    E
 OEM Code................ VW
 Supplier ID............. XXXXXXXXXXX
 Customer Abbrv(O).......
 Destination Abbrv(O)....
 EDIFACT Message Type.... DESADV
 User Define Description: DESADV MESSAGE                Active (Y)/(N):  Y
        UNB - Qualifier/Information
Sender:   01   XXXXXXXXXX                        Syntax ID:      UNOA
Receiver: 01                                     Syntax Version: 1
        UNG - Qualifier/Information
Sender:                                          Processing Option:     P
Receiver:                                        P=Print Before Sending
                                           Hexadecimal Code
 Version...........:  D            Sub Element Separator:     7A
 Release Number....:  98A          Data Element Separator:    4E
 Responsible Agency:  UN           Segment Terminator:        7D
 (T)est/(P)roduction: P            Acknowledgement Requested: N


F7=Create Infor Defaults  F12=Return
```

6. Press Enter. EDIFACT Trading Partnership Review screen is display.

7. Select the other messages and verify the default information

Setup is complete.

# Machine Readable Destination File - Electronic Invoices

Electronic Invoices      -      Enter "Y." Electronic Invoice files are created for this destination when the Print and Process Invoice option is taken and the reprint Invoice prompt is answered with 'N' for 'No'.

# Destination File – Invoices

```
SCD6300B                 MAINTAIN DESTINATION MASTER FILE


Company Number ............ XX   COMPANY NUMBER
Destination Number ........ 999999999
Name 1 .....                        FOB ..............
Name 2 .....                        Distributor Code ..
Address 1 ..                        Ford Dest Code .........
Address 2 ..                        ASN/DESADV (B/C/N/O/V/Y) C
Address 3 ..                        GM Msg/Temp Msg Code ...     /
City/State .                        GM Std Loc/Ford Rt Cd 2.
Zip Code ...                        Carrier Preference .....
Country ....                        Route Code / HMRS (Y/N).
                                    Honda Destination ......
Arrival/Ship Dates (A/S) .....      Supplier Type (P/S) ....
Delivery Travel Time (Hrs/Min)      ASN Unit of Measure .... LB
Delivery Travel Time (Days) ..      JIT Location (Y/N) .....
                                    Bar Code Verif (Y/N/C/S)
 Available Ship Days (X = Select)   Print Invoices (Y/N) ... N
S    M    T    W    H    F    S      Create Invoices (Y/N) .. Y
                                    Payment Type: Coll   PP   PPI   Oth
Names:                              Alt. Description...
                                    Dealer Code .......
 F1=Help   F10=Delete   F12=Return  Cat Europe Ult Dest ....
```

ASN Unit of Measure      -      Enter 'LB' to generate 'PND' or enter 'KG' to generate 'KGM' on the MEA Segment of the DESADV.

Print Invoices      -      Enter "N" if hard copy invoices are not needed or required. Enter "Y" to print hard copy invoices in addition to transmitting the electronic invoice.

Create Invoices      -      Enter "Y" to create a hard copy, electronic invoice, or both for each shipper to this destination.

# Model Year

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

## Requirement Master

```
JTDMAINT2                 REQUIREMENT MASTER ENTRY                      CHANGE

Company XX  Customer VW     Part 1111          Destination VW      MY

Customer Part # .... 1111                         OEM Code ....... VW
Supplier Code ...... XXXXXXXXX                    OEM Division ...
Customer # ......... 99999                        Destination # ...... 99999
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    830 X 850 X   866    862    830 X 850
                               Process P.O.s Y
 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
```

Process P.O.s flag must be marked with Y to process in ORDERS messages.

It is suggested that clear flags (found in the Requirement Master) be marked as follows:

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

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

## CUM Required Prior

VW Service doesn't send CUM required prior or CUM received.  All values transmitted are actual quantities required.

## Funds Type

VW Service requires a Funds Type on the Electronic Invoice.  The Funds Type is pulled from the Price File using the Price Code setup on the Requirement Master.  If no Price Code is entered the Funds Type will require manual entry on the Electronic Invoice.

# Auto CONTRL Transaction

ACM Trading Partner Communication Setup (Option 2 on the AZ10 Menu)

Create a new record with the Transaction/Msg of CONTRL to handle the outbound CONTRL Transaction.

```
AZR2300A              TRADING PARTNER COMMUNICATION SETUP


Options: 2=Edit, 4=Delete                                          Rv
Op OEMCo Mg/Trn Direct  Mailbox Description          Mailbox ID       Mb
EQ
   VW 01        Receive VW Service                   VW SERVICE        01
   VW 01 CONTRL Send    VW Service                   VW SERVICE        01

```

ACM Process Profile Setup (Option 3 on the AZ10 Menu)

Set the Auto 997 flag to 'Y'.

```
AZD2007A                 Profile Setup Selection

 Options:   2=Edit    4=Delete

Opt     OEM    Co    Auto Print    Auto Process    Auto 997    Days to Archive
 EQ
        VW     01        Y              Y              Y               10

```

Communication Scheduler (Option 1 on the VL16 Menu)

1) Setup a Scheduler Entry with the job name – SNDAFNVW to process the Auto CONTRL transmission.

```
CMD1020A            Schedule Job Details                       5/01/XX
DISPLAY                                                        10:13:38
OEM/Network.........: XX              Phone/Description...:
Communication Type..:                     Communication Method
Communication Member: XX
Communication Seq...:   4             Schedule Days-> Su Mo Tu We Th Fr Sa
                                         Time:
Active Code.........: Y
Delete Member.......: N               Line Type...........:
Job Name............: SNDAFNVW        Job Type............: ACM
Job Queue...........:                 Time Limit(min).....:
Job Description.....:                 Retry Limit.........:
Output Queue........:                 Reschedule Time(min):
Message Queue.......:                 Security Type/Ver...+
Job Priority........:                 Before Process......:
Run Priority........:                 After Process.......:


Command Data........:


 F3=Exit  F4=Prompt  F12=Return
```

# VL0 Menu

```
12.0          12/10/XX            MENU: VL0VW            12:01:58
              ---------------------------------------------------
                                  VW SERVICE
                       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 (DELJIT/DELFOR)
               7.   Process Requirements (DELJIT/DELFOR)
               8.   Display Application Advice (APERAK)
               9.   List Application Advice (APERAK)
              10.   Purge Application Advice (APERAK)



              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.

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

# ASNs

```
12.0          10/09/XX          MENU: VL8VW          12:43:18
              ---------------------------------------------------
                              VW SERVICE
                              DESADV MENU
              ---------------------------------------------------

1. Maintain DESADV Messages              7. List Printed Bar Code Labels
2. List DESADV Messages                  8. Create/Transmit DESADV
3. Upload / Convert Bar Code Data        9. Purge Bar Code Labels
4. Maintain Bar Code Data               10. Purge DESADV/Bar Code
5. Maintain Printed Bar Code Labels     11. Reactivate DESADV/Bar Code
6. List Bar Code Data                   12. Application Advice Menu (APERAK)




              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.

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

# APERAK Menu

```
VLD4400VW1   10/09/XX            MENU: VL44VW           12:58:10
12.0          ---------------------------------------------------
                                 VW SERVICE
                     OUTBOUND APPLICATION ADVICE MENU
              ---------------------------------------------------


              1.   Maintain Application Advice
              2.   List Application Advice
              3.   Create and Transmit Application Advice
              4.   Purge Application Advice
              5.   Reactivate Application Advice
              6.   Supplier Contact Maintenance

             23.   Return to DESADV/ASN Menu
             24.   Return to Main Menu

                                 Option
```

VW Service uses the VL44VW menu to transmit Outbound APERAKs to the trading partner.

Option 1 = Maintain Application Advice – allows for the maintenance/inquiry of the APERAK information.

Option 2 = List Application Advice – produces a list of APERAK transactions available to transmit.

Option 3 = Create and Transmit Application Advice – allows for the transmission of the APERAK information to the OEM.

Option 4 = Purge Application Advice – allows for removal of APERAK information.

Option 5 = Reactivate Application Advice – allows for the reactivation of APERAK to retransmit it to the OEM.

Option 6 = Supplier Contact Maintenance - allows for the maintenance of the Supplier Contact information section in the APERAK transaction.

# VL75 Menu

```
VLD7500VW1   12/10/XX            MENU: VL75VW            9:19:01
12.0         --------------------------------------------------
                              VW SERVICE
                           ELECTRONIC INVOICES
             --------------------------------------------------


             1.   Electronic Invoice Maintenance
             2.   Print Invoice Register
             3.   Create and Transmit Invoices
             4.   Purge Transmitted Invoices
             5.   Reactivate Transmitted Invoices




             23.   Return to Electronic Invoice Processing Menu

             24.   Return to Main Menu


                                Option
```

## Electronic Invoices Overview

Destinations requiring an electronic invoice must be identified in the Machine Readable Destination File by marking a "Y" in the Electronic Invoice field. An Invoice file is created from the Shipping file, during the extract or when invoices are manually entered from the Invoice Processing Menu. The Print and Process Invoices option on the Invoice Processing Menu must be taken to create an Electronic Invoice File. If no hard-copy invoices are required, mark "N" in the Print Invoices field in the Destination File. No electronic invoice is created from non-release shipping records.

Data on the electronic invoice screens may come from the file where it was originally processed or entered, or it may have been changed at ship time or through invoice maintenance.

# 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 / DESADVs 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/DESADVs without bar code. |
| ASN/DESADV with Bar Code Options | Describes the standard procedures for transmitting ASNs/DESADVs 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.

# 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.