Infor GKN (GK)

AutoMap

Contents

Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Radtke	9/8/16	Added scanning functionality	A116082906	Bar Code Scanning
K. Radtke	9/8/16	Master Label – Tare Level	A116082904	Application Control File
K. Radtke	9/8/16	Added ASNs to Traditional and deactivated in AutoMap	A116082905	ASNs

General Information

Transaction Sets and Versions

The GKN module supports the following transaction sets:

- 830   Material Release   Version 3060
- 856   ASN   Version 3060
- 997   Functional Acknowledgement   Version 3060

The **830 (Material Release)** replaces all previous forecast schedules.

The **856 (ASN)** is required to be transmitted for each shipment when it leaves the plant. Bar code is mandatory for North Carolina.

The **997 (Functional Acknowledgement)** is required to be transmitted to acknowledge the received 830s within the time frame defined by GKN. A 997 is also received to acknowledge the transmitted 856.

Security
Communication Method

GKN 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 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.

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Implementation

Identification Code File

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

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

Press Enter to display remaining fields:

```
OEM ID                        - GKNAI
Corporate ID                  - Mutually Defined*
Remit to Duns #               - Not used by GKN
Transmission Mode             - P
Smart Labels                  - N
Pallet Staging - N
Bar Code File Transfer        - N
Variable Unwrap Print         - Y or N
Automatic print of 997        - N
AutoMap                       - Y
```

Errors that occur during the "Split" that indicate a code is missing from the Identification Code File are referring to Plant ID, OEM ID, or Corporate ID.

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

* The Corporate ID is received in the ISA 08 segment of the 830 or 862.

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.

Model Year

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

EDI Code File

Type Codes
- C - Firm
- D Planning

Frequency Codes
- D - Discrete
- W - Weekly

Requirement File - Clear Flags

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

CUM Required Prior

GKN sends CUM Required Prior so it is not necessary to enter it manually before going live. The first time a requirement is received, the CUM Required Prior sent by GKN 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 GKN manual requirement or while testing. To enter, access the Manual Requirements Entry screen and select a part or press F5.

Ship -To Codes

Code	Location
1011	Roxboro, Timberlake, NC
1012	Sanford, NC
1013	Alamance, Mebane, NC
1014	Precision Forming, Sanford, NC

1018   Auburn Hills, MI

1031   Roxboro Warehouse, NC

1042   Columbia, SC

1051   Roxboro Joint Venture

Some suppliers will ship to non-GKN locations.

Application Control File

Set up Basic Application Control File Keyword "BARLBL" + OEM in order to handle the situation in which all container, master and mixed labels have the same data identifier.

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

```
CO = ** or Your Company
Application Name = *ALL
Keyword = BARLBLGK
Length = 1
Dec = blank
Infor Data = S
```

Note: This setup is for OEM GKN (GK)

From the Main Menu select System Maintenance (Option 11), the Application Control File Maintenance (Option 17), then Basic Applications Control File Maintenance (Option 2).

Enter the following information:

```
         APP
Opt CO# Name Keyword
1    **  *ALL BARLBLGK
```

Press Enter and on the next screen enter a length of "1" and "S" in the Infor Data area.

```
CO# App Name Keyword
   **   *ALL    BARLBLGK

   Infor Data        Length: 1  Dec:
         1         2         3         4
   12345678901234567890123456789012345678901234545
   S

   Customer Data     Length:    Dec:
         1         2
   12345678901234567890
```

An Application Control File Keyword has been created to determine if the tare level is required on the ASN when master labels have been created.

The keyword GKNTAREDSP can be set up for a specific company or all companies. It can be used for all dest abbrevs or specific ones.

From the System Maintenance Menu,
  Select option 17. Application Control File Maintenance.
    Then select option 1. Enhanced Application Control File Maintenance.
Select keyword: GKNTAREDSP with option 1
Press F6 to add data

Used: Company = Enter your Company or '* ' for All Companies
          OEM = OEM Code
          Cust = Customer Abbreviation
          Dest = Dest Abbreviation or '* ' for all Dest Abbrevs
          Text = 'Y' to activate this keyword or N if inactive

```
KARENR          Enhanced Application Control File Maintenance   9/08/XX
RSDM6011D                                                      10:20:XX
 Owner of the Keyword                                          inquire
  INFOR                   CATEGORY
                          OUTBOUND


  Keyword            DESC
  GKNTAREDSP         DISPLAY TARE ON ASN FOR GKN DIVISION

                                                                 Active

  CO   OEM  Cust    Dest
  KB   GK   GKN      *


 TEXT:


 1
 Y




Created on: 20XX-07-27-13.58.24.300000 Changed: 20XX-08-11-10.59.31.975000
 F1=ScreenHelp                            By User: KARENR
 F2=Change F3=Exit   F5=RecordHelp    F6=ADD
F12=Return/Cancel
```

Bar Code Scanning

For GKN locations that require label information (currently only North Carolina), during Bar Code Scanning and Pallet Staging, the user will now be prompted to enter in the Returnable Containers. The Returnable Containers must be prefixed with a 'B'; for example, BCTN25 where 'B' is the prefix and 'CTN25' is the Returnable Container Number. This must be done for all Pallets and Containers.

Bar Code Scanning Prompt for Returnable Containers:

```
    Scan Fields
 Returnable Container
 BCTN25___
 IPP Tag 1
        _____
         Reason Code
 IPP Tag 2
        _____
  Reason Code
 F3=Return
```

```
Pallet Staging Prompt for Returnable Containers:
Pallet Staging Build
Pallet Serial#
GK00000377_____
Container Serial#
GK00000377
 Returnable Container
 BCTN25__
 IPP Tags/Reason Codes


 F3=Return F4=Prompt
 F5=Show Fields
 Record Added
```

ASNs

Returnable Containers

GKN requires returnable containers to print as separate line items on the shipper, and to be transmitted as separate segments in the ASN file. The following entries are required in the Container File:

- Enter "Y" in the Returnable Container field
- Enter "Y" in the Print Ctn on Separate Line field

NOTE: The GKN ASN is traditional (VL8GK) not AutoMap.

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

```
VLD8000GK1    9/08/XX            MENU: VL8GK          08:47:35
 12.0         ------------------------------------------------
                                GKN
                   ADVANCED SHIPPING NOTIFICATIONS
              ------------------------------------------------


1.  Maintain ASNs                   7.  List Printed Bar Code Labels
2.  List ASNs                       8.  Create/Transmit ASNs
3.  Upload/Convert Bar Code Data    9.  Purge Printed Bar Code Labels
4.  Maintain Bar Code Data         10.  Purge Transmitted ASNs/Bar Code Data
5.  Maintain Printed Bar Code Labels 11. Reactivate Transmitted ASNs/Bar Codes
6.  List Bar Code Data



          23.  Return to V/L Advanced Shipping Notifications
          24.  Return to Main Menu

                        Option
```

ASN Header Maintenance Screen

```
VLD810GK1                   ASN MAINTENANCE MENU
  Company KB     Sequence number   2244     OEM GK     ASN C     Action Code O
 --------------------------------------------------------------------------
Shipper # .. 112658     In-House Part # 10001165
Ship Date ..  8/29/XX   Customer Part # 10001165
Ship Time ..  743       Plant ID ......  S2266
Cust Abrv .. GKN        Equip Init.....  LT
Dest Abrv .. GKN        Master BOL....   12345
Dock Code ..            Container Desc
U of M ..... PC         P.O. Number ... XS000248
Qty Ship ...      58    Carrier Abbv .. CTNR
                        Conv Code ..... M
                        Conv Bill ..... 112658
                        Eng Rev........ REV1



F10=Delete   F12=Return
```

Sequence Number - Assigned by the system.

Company - Displays the company number that was previously entered.

Many fields on the ASN maintenance screen default from various master files. However, most of them can be changed at shipper entry time.

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

> H - Hold Record is not included in transmission

> Original 00

> T - Transmitted

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

Ship Date – Date of shipment in MM-DD-YY format. Defaults from shipper entry time

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

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

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

Dock Code – The code representing the dock at the destination location if a dock code was transmitted. Defaults from the Requirement A record. The Destination Abbreviation with the dock code must be entered in the Machine Readable Destination File to transmit the correct destination location code in the ASN file.

U of M – Defaults from the ASN Unit of Measure field in the Destination File. It can be changed at shipper entry time.

Qty Ship – Number of pieces shipped.

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

Customer Part – GKN's part number.

Plant ID – Supplier code assigned by GKN. This defaults from the Supplier Code field in the Requirement Master during "Extract." It is also entered in the Plant ID field in the Identification Code File. Equip Init – Equipment initial defaults from the Carrier File. It further describes the Conveyance Code.

Master BOL – Pool Bill Number.

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

P.O. Number – Purchase order number issued by GKN. Defaults from the Requirement B record.

Carrier Abbv – (SCAC code), which defaults from the Delivery Carrier field in the Carrier File.

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

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.

Eng Rev - Engineering revision level defaults from the Requirement B record. It is displayed at shipper time and cannot be changed. If the Engineering Rev field of the 862 Requirement B record is blank, the default Engr Level is retrieved from the 830 Requirement C record. The Default Eng Level field must be manually entered in the Requirement C record.

For GKN locations that require label information (currently only North Carolina), during Bar Code Scanning and Pallet Staging, user will now be prompted to enter in the Returnable Containers. The Returnable Containers must be prefixed with a 'B'. For example, BCTN25 where 'B' is the prefix and 'CTN25' is the Returnable Container Number. This must be done for all Pallets and Containers.

Bar Code Scanning Prompt for Returnable Containers:

```
    Scan Fields
 Returnable Container
 BCTN25___
 IPP Tag 1


  Reason Code
 IPP Tag 2


  Reason Code
 F3=Return
```

Pallet Staging Prompt for Returnable Containers:

```
    Pallet Staging Build
    Pallet Serial#
    GK00000377_____
    Container Serial#
    GK00000377
     Returnable Container
     BCTN25__
     IPP Tags/Reason Codes



     F3=Return F4=Prompt
     F5=Show Fields
 Record Added
```

How to Use This Document

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

General Information

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

Security

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

Implementation

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

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

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

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

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

These files must be entered to successfully process data into the Requirement and Load Files.

ASNs

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

ASN (VL8) Options   Describes the standard procedures for transmitting ASNs without bar code.

ASN with Bar Code   Describes the standard procedures for transmitting ASNs with bar code.
Options

The VL8 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- Valid action codes are identified.

- The ASN Maintenance screen displays with valid field descriptions.

- ASN extract exceptions and special processing relating to ASNs for this specific trading partner are identified.

- Options that are not commonly used by other trading partners are described in detail.

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

Create Invoices

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

AutoMap Features and Preferences

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

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

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

1. Access the AutoMap Menu.

2. Take the Process Keywords options.

3. Select the trading partner with 7 (keyword options).

4. Keywords are displayed for the selected trading partner.

5. Select the keyword to be changed with 1 (select).

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

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

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

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

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