



# Infor Siemens Automotive Group (SA)

AutoMap

**Copyright © 2018 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 Siemens Automotive Group

Publication date: October 2018

# Contents

- Contents..... 3**
- Table of Changes ..... 4**
- General Information ..... 5**
- Implementation..... 6**
  - Frequency Codes..... 8
- Electronic Invoices..... 9**
  - Invoice Header Screen ..... 13
  - Electronic Invoice Detail Screen ..... 14
- ASNs..... 17**
  - ASN Detail Maintenance Screen ..... 17
  - ID Numbers Screen..... 17
  - ASN Container Review Screen..... 17
- Security ..... 6**
- How to Use This Document..... 19**

## Table of Changes

Changed By	Date	Reason	Update#	Section Changed

## General Information

### Transaction Sets and Versions

The Siemens Automotive Group module supports the following transaction sets:

- 810 Electronic Invoice Version 4020
- 830 Material Release Version 3060
- 856 ASN Version 4010
- Outbound 997 Functional Acknowledgement Version 4010
- Inbound 997 Functional Acknowledgement Version 4020

The **810 (Electronic Invoice)** is sent by the supplier to Siemens Automotive Group.

The **830 (Material Release)** contains daily release schedules.

The **856 (ASN)** must be transmitted when the shipment leaves the plant.

The **Outbound 997 (Functional Acknowledgement)** must be transmitted by the supplier within one business day.

The **Inbound 997 (Functional Acknowledgement)** is received to acknowledge the transmitted 856.

### Siemens Automotive Group's Destination Codes

#### Ship - To Location Plant Code

- Chatham, Ontario, Canada - 1011
- Tilbury, Ontario, Canada - 1021
- Windsor, Ontario, Canada - 1031
- Fort Shawnee (Lima), Ohio, U.S.A - 2011
- Laredo -2021
- Santa Teresa, New Mexico, U.S.A - 2031
- El Paso – VDO - 2041
- Plymouth, Michigan - 2091
- Newport News - 2141
- Guadalajara - 3011
- Santa Catarina (Monterrey), MX - 3021
- Juarez 1 - 3031
- Juarez 2 - 3041

# Security

## Communication Method

Siemens Automotive Group communicates through the ACM (Advanced Communications Module) component.

For more information on ACM, see Chapter 17 of the AutoRelease Main Manual. Enter security requirements (identification codes, passwords, etc.) before attempting to receive or transmit. Network security is entered one time, but may be accessed by multiple trading partners.

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

Wrap Data? YES - 80  
 Start New Record on New Interchange? YES

## File Archiving / Auto Print and Process

(Option 3 on the AZ10 Menu - ACM)

```

AZD2008                                PROCESS PROFILE SETUP

      OEM .....
      Company .....

      Auto Print .....
      Auto Process.....
      Auto 997.....
      Days To Archive.....

      F4=Prompt   F12=Cancel
    
```

- Auto Print (Y/N) - Enter “Y” if using AutoReceive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter “N” if not using AutoReceive, or, if using AutoReceive and Breakdown, if the Print option is not to be run automatically after the Breakdown.
- Auto Process (Y/N) - Enter “Y” if using AutoReceive and Breakdown (scheduled through ACM) and if also using Auto Print, to perform an automatic Process after the Receive, Breakdown and Print. Enter “N” if not using AutoReceive, or, if using AutoReceive, Breakdown, and Auto Print, if the Process option is not to be run automatically after the Print.
- Auto 997 (Y/N) – Enter “Y” and a 997 will automatically be sent back to the OEM acknowledging receipt of inbound EDI data.
- Days to Archive - Enter the number of days to archive files received from the OEM. Files must be saved 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 option to "Split" a file received from Siemens Automotive Group. The Identification Code File is used differently by different manufacturers.

Company Number	- xx
OEM Code	- SA
Plant ID	- Your DUNS Number
Press Enter to display remaining fields:	
OEM ID	- SVAUTONA
Corporate ID	- Not used by Siemens Automotive Group
Remit to Duns #	- Not used by Siemens Automotive Group
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 indicates a code is missing from the Identification Code File are referring to Plant ID or OEM ID.

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

### 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

Siemens Automotive Group 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)
- M (Monthly)

## 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

Siemens Automotive Group does not send CUM required prior. They send CUM received, which is placed in the CUM required prior field. Therefore, it is not necessary to enter it manually before going live. The CUM received that is transmitted will overlay what was entered manually.

The CUM required prior is used to calculate ahead or behind figures and to round to package quantity. If entering a Siemens Automotive Group manual requirement or while testing, the CUM required prior may be entered using the option Enter Manual Requirements and either using F5 from the entry screen or it may be entered directly on the header screen.



# Electronic Invoices

## File Setup

### Standard File Setup

The following file setups are required prior to creating Electronic Invoices (810s):

#### Destination Master File

Set up the following in the Destination Master File (access the Destination Master File from the AutoRelease File Maintenance Menu):

- Set the Print Invoices flag to "Y."
- Set the Create Invoices flag to "Y."
- Enter user-defined numbers assigned to Names File entries.

```

SCD6300B                MAINTAIN DESTINATION MASTER FILE

Company Number ..... KB    ENGINE COOLING, INC.
Destination Number .....    4545
Name 1 ..... SIEMENS AUTOMOTIVE GROUP   FOB .....
Name 2 .....                               Distributor Code ..
Address 1 .. 212 MAIN STREET             Ford Dest Code .....
Address 2 ..                               ASN/DESADV (B/C/N/O/V/Y) V
Address 3 ..                               GM Msg/Temp Msg Code ... /
City/State . PLYMOUTH                    MI    GM Std Loc/Ford Rt Cd 2.
Zip Code ... 48150                       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 .... EA
Delivery Travel Time (Days) ..           JIT Location (Y/N) .....
                                           Bar Code Verif (Y/N/C/S)
Available Ship Days (X = Select)         Print Invoices (Y/N) ... Y
S    M    T    W    H    F    S         Create Invoices (Y/N) .. Y
                                           Payment Type: Coll  PP  PPI  Oth
Names:    11111                       Alt. Description...
                                           Dealer Code .....
                                           Cat Europe Ult Dest ....
Fl=Help  Fl2=Return
    
```

Access the following screen by pressing Enter twice from the initial Maintain Destination Master File screen.

- Enter currency code in the Funds Type field. This value is transmitted in the CUR02 segment of the 810.
- Set the One P.O. Per Invoice (Y/N) to Y.

```
SCD6300C                MAINTAIN DESTINATION MASTER FILE

Print Remarks (Y/N):    Y Shipper      Y Invoice      N Acknowledgement

Remark:

ASN/DESADV Transmit Windows:  Before Hours:      Mins.:
                               After  Hours:      Mins.:

3rd Party Electronic Invoice OEM ....
Multi-Company Pool Bill Destination? (Y/N):
Print Part Description on Invoices (Y/N):
Travel Time: Set Prior to Current Date? (Y/N)...:
                Set Holiday to Next Ship Day? (Y/N):
Remove no-charge returnable containers from invoice? (Y/N)
Funds Type ..... USD   Funds Type Description ... US DOLLARS
Tax Exempt .....

F1=Help  F12=Return                One P.O. Per Invoice (Y/N) Y
```

### Name Master File

For electronic invoices, set up the following information in the Name Master file (access the Name Master File from the File Maintenance Menu):

- A record with an OEM code of "SA," a qualifier of "BY" (Buyer), address information, and additional ID information, sent in the N1.
- A record with an OEM code of "SA" and a qualifier of "ST" (Ship To), address information, and additional ID information, sent in the N1.
- A record with an OEM code of "SA" and a qualifier of "SU" (Supplier), address information, and additional ID information, sent in the N1.
- A record with an OEM code of "SA" and a qualifier of "CA" (Carrier), address information, and additional ID information, sent in the N1.
- A record with an OEM code of "SA" and a qualifier of "II" (Issuer), address information, and additional ID information, sent in the N1.

```

                                MAINTAIN NAME MASTER FILE

Company Number ..      KB  ENGINE COOLING, INC.
Number .....         11111

Name .....           SIEMENTS AUTOMOTIVE GROUP
Address 1 .....      125 S. MAIN STREET
Address 2 .....
Address 3 .....
City .....           ORLANDO
State .....          FL
Zip Code .....       38201
Country .....        USA

Vat Number .....
Tax Code .....
Additional ID ...     A12345645
Qualifier .....      BY
OEM .....            SA
    
```

For new records, enter the following:

- |                |   |                                                                                              |
|----------------|---|----------------------------------------------------------------------------------------------|
| Company Number | - | Company Number.                                                                              |
| Number         | - | User-defined number. This value is placed in the Names field in the Destination Master File. |

Name	-	Name of the location. This name is transmitted in the N1 segment on selected outbound transactions. Address 1, 2, 3, City, State, Zip Code, Country - Complete address of the location. Transmitted in the N1 segment.
Vat Number	-	The Value Added Tax Number. Not used by Siemens.
Tax Code	-	Not used by Siemens.
Additional ID	-	Buyer's Identification ID. Transmitted in the N1.
Qualifier	-	"BY" for Buyer, "ST" for Ship To, "SU" for Supplier, "CA" for Carrier, "II" for Issuer.
OEM	-	"SA" for Siemens Automotive.

For more information about the Name Master file, see the section "Name File Maintenance" in Chapter 6, Part 1.

### **Parts Cross Reference File**

Enter the part description in the Parts Cross Reference File and include the Destination Abbreviation for the description to be retrieved. This value is transmitted in the PID05. (Access the Parts Cross Reference File from the AutoRelease File Maintenance Menu).

### **Additional Files**

- Mark the Electronic Invoices flag with a "Y" on the Destination Abbreviation Record screen when creating an Electronic Invoice (810) for the destination. (Access this screen in the Machine Readable Destination File.)
- Enter the Contact Name information in the Company Control File.

## Invoice Maintenance

EDD7525A		INVOICE HEADER MAINTENANCE	
OEM: SA	Invoice Number: 1587	Record Status: I	
Company: AH	Shipper Number: 1587		
Customer Abbrev: SACUST	Dest Abbrev....: SADEST		
Ship To Cust #.: 1	Supplier ID....: BSDFA		
Sold To Cust #.: 1	OEM ID.....: SIEMENSSA		
Dock Code.....:	Remit to ID....:		
	Remit to Name...: SIEMENS AUTOMOTIVE		
Invoice	Payment Terms...: NET 30 DAYS		
Date: 8/13/XX	Payment Method.: Coll: PP: X PPI:		
Ship	Candian GST Amt:		
Date: 8/13/XX	Release Number..:		
Time: 10:11	Carrier Abbrev..: MMMM		
Time Zone: ET	Carrier Name...: CARRIER NAME		
Credit memo? (Y/N):	Conveyance Code: M		
Invoice Type.....: 00	FOB Destination: NORTHVILLE		
	Remarks.....:		
	Pro Number.....:		
F3=Exit F7=Name/Address F12=Return			

**Note:** If creating credit invoices, the Credit memo? flag can either be set from shipper entry or on the invoice. A "CN" qualifier will be sent in the BIG07 segment.

## Mandatory Fields

When sending electronic invoices, note that the fields listed below are mandatory.

### Invoice Header Screen

- Invoice Number - Transmitted in the BIG 02.
- Customer Abbrev - This value is not transmitted but is a required entry.
- Dest Abbrev - The corresponding ID is received from the Machine Readable Destination File and transmitted in the N1 segment.
- Ship Date - Transmitted in the DTM 02.

- Invoice Date - Transmitted in the BIG 01.
- Supplier ID - Transmitted in the N1 with an "SU" qualifier.
- OEM ID - Transmitted in the ISA 06 and GS 03.

**Electronic Invoice Detail Screen**

- Customer Part # - Transmitted in the IT1 07.
- Ship Quantity - Transmitted in the IT1 02.
- PO Number - Transmitted in the BIG 04.

## Miscellaneous Charges

Miscellaneous charges are entered at shipper entry time or on the Invoice Charge Review screen. Access this screen by pressing F7 (Misc Charge) from the Invoice Detail Maintenance screen, or by selecting a record with "8" (Charges) on the Invoice Review screen for a header level charge.

EDD7540A		INVOICE CHARGE REVIEW	
Company:	AH	Cust Abbrev:	SACUST
		Invoice #:	1587
OEM:	SA	Dest Abbrev:	SADEST
		Purchase Order#:	
		Internal Part #:	I1014290
Service Code.....:			* ADD *
Unit Price.....:			
Quantity.....:		Charge Type.....:	
Description.....:			
Memo (Y/N).....:	N	Unit of Measure...:	Method of Handling:
Tax Qualifier...:		Tax Rate:	
GST Account.....:		GST Rate:	
Options: 1=Select 4=Delete			
Opt Service	Unit Price	Quantity	Description

Valid Service Code values for the 810 SAC segment include the following:

- A260 Advertising Allowance
- B750 Core Change
- C000 Defective Allowance
- C030 Delivery Surcharge
- C300 Discount - Special
- D240 Freight
- E750 New Store Allowance
- F180 Pallet Charge or Allowance
- F810 Promotional Discount
- F970 Volume Discount
- H550 Surcharge
- H000 Special Allowance
- I170 Trade Discount
- I590 Warranty
- ZZZZ Mutually Defined



## ASNs

### ASN Cancellation Procedure

To cancel an ASN, call Siemens Automotive Group.

### Mandatory Fields

#### ASN Header Maintenance Screen

ASN Purpose	-	Transmitted in the BSN 01. Valid codes include: O - Original 00
Ship Date	-	Transmitted in the DTM 02.
Ship Time	-	Transmitted in the DTM 03.
Equipment Description	-	Transmitted in the TD3 01. Valid codes include: TL - Trailer Load
Conveyance Code	-	Transmitted in the TD5 04. Valid codes include: A - Air M - Motor R - Rail S - Ocean

#### ASN Detail Maintenance Screen

Ship CUM	-	Transmitted in the SN1 04.
Ship Quantity	-	Transmitted in the SN1 02 and CTT 02.
Package Quantity	-	Transmitted in the CLD 02.
PO Date	-	Transmitted in the PRF 04. Siemens Automotive Group does not transmit the PO date on the 830, but for processing purposes requires that the PO date is sent. The requirement date is therefore transmitted.

#### ID Numbers Screen

Supplier ID	-	Transmitted in the N1 04.
-------------	---	---------------------------

#### ASN Container Review Screen

Container Quantity	-	Transmitted in the CLD 01.
--------------------	---	----------------------------

## Reference Numbers Screen

- Pro Number - Transmitted in the REF\*FR.
- Flight # - Transmitted in the REF\*AW if the Conveyance Code is "A" for air.

## 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 network(s) used by this trading partner, and specific information about how to create the Trading Partner Cross Reference File.

### 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

All AutoMap trading partners transmit ASNs to the trading partner by using option 3 (ASNs) from the AutoMap menu. The ASN section of each trading partner document describes the ASN cancellation procedure and mandatory ASN fields for a specific trading partner.

A complete description of the common options can be found in the ASN section of the AutoMap Manual.

## 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 the OEM's practices. To view these 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).