



Chapter 13: Security

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Chapter 13: Security

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Overview

Security

The security chapter describes the following:

- The three protocol methods that may be used by suppliers to communicate with trading partners:
 - VAN (value-added network) - Network Communications
 - Direct Communications with a trading partner
 - FTP/ANX - Configurable Communications
- Where and how VAN security is entered and used.
- How to identify the network selection file that is used to communicate with the trading partner.
- The network abbreviations used to identify the different networks in the Network Selection file.
- How to enter the Network Security file for the network code entered in the Network Selection file.
- Each VAN security screen that is displayed, including field descriptions.
- Files that are required to be entered before communication jobs can take place:
 - Network Selection
 - Network Maintenance
 - Communications -Security
- System Maintenance - Communications entries. How to perform the following:
 - Build and maintain physical line descriptions and assign a job queue.
 - Enter phone numbers for communication jobs.
 - Enter and maintain or initiate configurable communication jobs.

Security - Protocol Methods

The three different protocol methods that may be used by suppliers to communicate with trading partners are the following:

- VAN (value-added network)
- Direct
- FTP/ANX (configurable)

VAN - Network (Bisynchronous) Communications

Trading partners and suppliers place data into and retrieve data from a VAN mailbox (Advantis, GEIS, Commerce, and so forth). The VAN used is identified by the individual trading partner and may be found in the trading partner document. If a VAN is used to receive and transmit files, valid codes from the Network Selection option on the VL0 menu are the following:

Advantis	-	I	AT&T	-	A
Commerce	-	O	EDS ELIT	-	E
GEIS	-	G	Kleinschmidt	-	K
Transnet	-	T			

Note: AutoMap networks and codes are explained and listed in section Network Selection - AutoMap.

Direct (Bisynchronous) Communications With a Trading Partner

Files are exchanged directly between the trading partner and the supplier without going through a network or any other intermediate location. To view a list of trading partners that are accessed directly, see the "direct" Network Security option. If the trading partner is accessed directly, valid codes from the Network Selection option on the VL0 menu are the following:

Direct - D

FTP/ANX - Configurable Communications

A (non-bisynchronous) method of communication that requires a configurable script (residing in the FUTCP library and created using the configurable interface tool).

Example: ANX communications, such as Ford FTP (File Transfer Protocol). FTP is much quicker than the traditional bisync method. A Requirement file that took two hours to receive using bisync took 2.5 minutes using FTP. If the trading partner uses FTP or ANX to receive and transmit files, valid codes from the Network Selection option on the VL0 menu are the following:

Configurable - 1

Security Access

VAN security is accessed from many places within AutoRelease: VAN security is entered from the VL0 menu or from Map Maintenance in AutoMap. Once security is entered for a network, it may be used by multiple trading partners that use the same network.

Example: Security is entered for GEIS. Mack Truck, Isuzu, TRW, and Borg Warner all use GEIS as their VAN. Security needs to be entered only once from one of the VL0 menus or from Map Maintenance in AutoMap.

Network security is entered from the Mack Truck VL0 Menu. Since security has already been entered for GEIS, it does not need to be entered again for Isuzu, TRW, and Borg Warner. However, the network selection must be entered with "G" for GEIS to identify which network is used by the trading partner.

```
GEIS SECURITY

Company 01

User Number ..... ABC12345
Password ..... 12345
Receive Member ..... JR
Print Data Received ... Y (Y/N)

(Enter Y if you communicate with Chrysler through GEIS else enter N)
Enhanced Password ..... Y (Y/N)

If you will be receiving from Nissan of Tennessee:
Supplier Code ..... _____

F3=Exit   F10=Delete
```

When entering security for traditionally coded trading partners, the network selection must be entered first, before security requirements can be entered. The network selection is used to identify the network that is used by the trading partner.

Mapped trading partners do not have a network selection. The communications screen displays when communication jobs are initiated to select the VAN and company combination used for the initiated job.

Note: Some trading partners have access to only the networks they use. Instead of having the Network Selection option that determines which security screen displays, the trading partner has the option for only Advantis Security.

Network security is accessed when communications are initiated. The communication programs use network security to access the network mailbox.

Example: A communication job is initiated by the supplier to receive data within the GEIS mailbox. The communication programs within the Receive option access the Network Security file entered by the user to retrieve the GEIS password and user ID. Once the programs have retrieved this information, the "job" may access the GEIS mailbox to receive the data placed there by the trading partners using the GEIS mailbox.

VAN security is entered using VAN abbreviations or codes. Depending on where these abbreviations are entered, there may be different codes that represent the same VAN or additional VAN selections.

Network Selection Screen Trading Partner VL0 Menu	Communications Scheduler Communication Menu - System Maintenance	Map Maintenance AutoMap
I - Advantis	IB - Advantis	IB - Advantis
A - AT&T	TT - AT&T	TT - AT&T
O - Commerce	ED - EDS ELIT	ED - EDS ELIT
D - Direct	GS - GEIS	GS - GEIS
E - EDS ELIT	HB - Peregrine (formerly Harbinger)	HB - Peregrine (formerly Harbinger)
G - GEIS	KL - Kleinschmidt	KL - Kleinschmidt
K - Kleinschmidt	MC - MCI	MC - MCI
T - Transnet	OR - Commerce	OR - Commerce
1 - Configurable	TN - Transnet	TN - Transnet
		FL - Fleet Bank

Network Selection - AutoRelease

This option is used to identify which network is used to communicate with the trading partner. The network identification must be entered before network security can be entered. The network identified here indicates which Network Security screen displays when the Network Security option is taken.

Note: Some trading partners have access to only the networks they use. Instead of having the Network Selection option that determines which Security screen is displayed, the trading partner has the option for only Advantis Security.

Network Selection Screen

```

NETWORK SELECTION

OEM: XX      TRADING PARTNER NAME

Supplier's Network ..... _ (I/A/O/D/E/G/K/T/1)
I - ADVANTIS
A - AT&T
O - COMMERCE
D - DIRECT
E - EDS ELIT
G - GEIS
K - KLEINSCHMIDT
T - TRANSNET
1 - Configurable

F10=Delete F12=Return

```

Supplier's Network - Enter the network code that represents the VAN used for the selected trading partner. Valid codes are the following:

I - Advantis	A - AT&T
O - Commerce	D - Direct
E - EDS ELIT	G - GEIS
K - Kleinschmidt	T - Transnet
1 - Configurable	

Network Selection - AutoMap

Network selection is not entered for mapped trading partners. To enter security from map maintenance access, perform the following steps:

1. From the Map Maintenance screen, select the trading partner with "1."
2. Select the transaction set with "1." The Transaction Maintenance screen displays.
3. Place the cursor in the VAN field and press F4 (Prompt). The Communications screen displays.

During the map installation, all combinations of companies and VANs with an AutoRelease Security file entered are automatically entered in Map Maintenance.

Communications (VANs/Companies)

Options: 4=Delete 7=Network

<u>O</u>	<u>VAN</u>	<u>Company</u>
-	ED	AT
-	GS	AH
-	HB	01
-	IB	AT
-	MC	AT
-	TT	01
-	KL	AT
-	OR	01
-	TN	01
-	FL	AT

F4=Prompt F12=Return

If a VAN and company combination needs to be entered, page down to a blank line and enter the company number and VAN combination. If VAN security has not yet been entered, select the line item with "7." The Network Security screen displays for the entered VAN.

Valid VAN abbreviations from Map Maintenance in AutoMap are the following:

IB - Advantis	TT - AT&T	ED - EDS ELIT	GS - GEIS	HB - Harbinger
KL - Kleinschmidt	MC - MCI	OR - Commerce	TN - Transnet	FL - Fleet Bank

Network Security Screens

Network Security Overview

The entry in network selection determines which Network Security screen displays. The network selection must be entered for each traditionally coded trading partner before security requirements can be entered.

Mapped trading partners do not have a network selection. The Communications screen displays when communication jobs are initiated to select the VAN and company combination used for the initiated job.

Note: Some trading partners have access to only the networks they use. Instead of having the network selection option that determines which Security screen displays, the trading partner has the option for only Advantis Security.

Network security is used to enter passwords, user IDs, and so forth, to permit access to the VAN mailbox. The Network Security file is accessed when receiving or transmitting files to retrieve the mailbox password and user IDs (and any other fields that may be required by the VAN mailbox for access).

Advantis Security Screen

The Advantis Security screen displays under either of the following circumstances:

- If "I" is entered in the network selection file from a VL0 menu.
- Or
- If "IB" is entered in map maintenance from AutoMap.

Security for all trading partners that use Advantis and the same company are entered.

Advantis Security Screen

```

                                ADVANTIS SECURITY

                                Company 13

Account ID..... _____
IN User ID..... _____
IN Password..... _____
New IN Password..... _____
IE User ID..... _____
IE Password..... _____
Receive Member..... _
Print Data Received..... _ (Y/N)
Nickname (OEM Account ID). _____

F3=Exit F10=Delete

```

-
- | | | |
|---------------------|---|--|
| Account ID | - | Assigned by Advantis. |
| IN User ID | - | User ID assigned by Advantis to access the information network. |
| IN Password | - | Password to access the information network. |
| New IN Password | - | <p>To change the information network password, enter the new password here. After the next connection is made with the information network, the system clears this field and moves the new password to the IN Password field.</p> <p>Note: The Account ID and IN User ID for all records that have the same old password are checked. If the records contain the same old password, Account ID, and IN User ID the password is changed. If the fields (old password, Account ID, and IN User ID) do not match, the password is not changed.</p> |
| IE User ID | - | ID assigned by Advantis to access the information exchange. |
| IE Password | - | Password assigned by Advantis to access the information exchange. |
| Receive Member | - | <p>The receive member is a two-position code that is appended to the receive file member name.</p> <p>Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)</p> <p>When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.</p> <p>For example: Data received from the Advantis Network is received into the file name VARIBM with member (Vxx) where "V" is constant and "xx" is the receive member entered in this field.</p> <p>The file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.</p> |
| Print Data Received | - | <p>Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.</p> <p>Enter "N" to print only the sign on records and end records, but omit the data between the ISA and IEA segments.</p> |
-

Nickname (OEM Account ID) - This field is used only if Advantis requires a nickname other than "GE1" in the SENDEDI Class Statement. If blank, "GE1" is the default. OEMs that use this field include the following:

Textron (TE)

Note: If Advantis is used by a mapped trading partner, the data entered in the nickname field is ignored. The account ID is retrieved from the Advantis Global Table.

When using Advantis and AutoMap to communicate with trading partners, there may be an additional network screen that must be entered. See the Communications section in the trading partner document to verify if this screen needs to be entered.

Example: Advantis Set-up

The trading partner's receiver account ID, receiver user ID, and the message class (856) must be added to the Advantis screen to route data correctly. To do this, perform the following steps:

1. From the AutoMap menu (AUTMAP), select option 5, Map Maintenance.
2. Press Enter.
3. Select the Infor-assigned trading partner name with "1."
4. Press Enter.
5. Select 856 (O) with "1."
6. Press Enter.
7. Select "VAN IB."
8. Press F4.
9. Select IB with "7."
10. Press Enter.

```
                MAINTAIN OEM ADVANTIS SETUP

Trading Partner: OGIHARA
Transaction Set: 856

Receiver Account ID: OG11
Receiver User ID: OG11005
Message Class: 856

Trading Partner Network: IB

F3=Exit   F12=Return
```

11. Enter your trading partner's receiver account ID, receiver user ID, the message class (856), and network code (IB).
12. Press Enter twice.

*Some trading partners also use the 997. If the 997 is also used, repeat the steps above, replacing "856" with "997."

Trading Partners that use Advantis as a primary network are the following:

AE Clevite (AE) Mazda MNAO (ZS)
American Honda (AH) Mercedes Benz (MB)
AY Manufacturing (AF) Mercury Marine (MM)
AutoZone (AZ) Meritor (RW)
BMW (BW) Methode Electronics (MH)
Benteler Automotive (BF) Mitsubishi Heavy Industry (QM)
Briggs & Stratton (BS) Mitsubishi Motors (Q)
Budd Company (BU) New Venture Gear (VG)
Calsonic (CA) Nippondenso (ND)
Cambridge Industries (CI) Nissan TN (S)
Camco (CF) Nissan VPC (NI)
Case Corporation (CC) Ogihara (OG)
Continental Teves (CV) Outboard Marine (OM)
Cooper Standard (CO) Paccar (PA)
Denso Manufacturing (NU) Paulstra (PT)
Donnelly (DN) Powers & Sons (PW)
Dura Automotive (DU) Rimplify (RM)
EWD (EW) Robert Bosch UA (RO)
Findlay (FI) Royal Bank (RB)
Foamex (FO) Sachs Automotive (SF)
Freightliner (I) Seeburn (SB)
Freightliner Sterling (FB) Shawmutt Mills (SM)
Freudenber NOK (FG) Siemens of Mexico (SE)
Frigidaire (FR) Subaru - Isuzu (SU)
GE Appliance (GA) Summit Polymers (SR)
General Seating of Canada (GC) RW Automotive Electric (TQ)
Harley Davidson (HD) TRW Koyo (TY)
Honda Star (D) Textron (TE)
Honda Delta (HA) Tokico (TK)
IBM (BM) Trico (TI)
International Truck & Engine VDO North America (VN)
Johnson Controls Interiors (PR) Valeo Clutches (VC)
KSR International (KS) Venchurs (VP)
La-Z-Boy (LB) Volkswagen AutoEuropa (VX)
Lescoa (LE) Volkswagen Mexico (VM)
Litens Automotive (LT) Volvo (W)
Leon Plastics (LP) Whirlpool (WP)
Magna Seating Systems of Acuna (MK) Xerox (XE)
Mazda (Z) Yazaki North America (YZ)

AT&T Security Screen

The AT&T Security screen displays under either of the following circumstances:

- If "A" is entered in the network selection file from a VL0 menu.
- Or
- If "TT" is entered in map maintenance from AutoMap.

Security for all trading partners that use AT&T and the same company are entered.

AT & T Security Screen

```

      A T & T SECURITY CODE MAINTENANCE
      Company xx

User Number ..... _____
Password ..... _____
Receive Member ..... _
Print Data Received ..... _

F3=Exit   F10=Delete
  
```

User Number	-	Assigned by AT&T.
Password	-	Assigned by AT&T.
Receive Member	-	The receive member is a two-position code that is appended to the Receive file member name.

Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)

When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.

For example: Data received from the AT&T Network is received into the file named VARATT with member (Vxx) where "V" is constant and "xx" is the receive member entered in this field.

This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.

- Print Data Received - Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between ISA and IEA segments.

Trading partners that use AT&T as a primary network are the following:

AlliedSignal (AD)
 Bosch Braking Systems (BK)
 Copeland (CL)
 Textron (TE)
 United Technologies (UT)

Commerce Security Screen

The Commerce Security screen displays under either of the following circumstances:

- If "O" is entered in the network selection file from a VL0 menu.
- Or
- If "OR" is entered in map maintenance from AutoMap.

Security for all trading partners that use Commerce and the same company are entered.

- Mailbox ID - The mailbox ID, assigned by Commerce, consists of an "S" in the first-position, followed by the four-position maintainable code that is entered here.
- The first position "S" is not maintainable and is transmitted every time the network is accessed.
- Slot ID - Enter the slot ID or leave blank to use the test (T) or production (P) code slot.
- Password - Assigned by Commerce.
- Test/Production (T/P) - This field determines the suffix (or slot) that is added to the mailbox ID to indicate whether the transmitted data is production or test data if the Slot ID field is blank.
- Enter "T" to transmit a test transaction. Enter "P" to transmit live production data.
- Receive File Member - The receive member is a two-position code that is appended to the Receive file member name.
- Note:** The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)

When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes, the receive member must be unique for each mailbox.

For example: Data received from the Commerce network is received into the file named VARORDN with member (Vxx) where "V" is constant and "xx" is the receive member entered in this field.

This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.

Print Data Received (Y/N)

- Enter "Y" to print all data transmitted (sent and received) including the data between the ISA and IEA segments.

Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.

Trading partners that use Commerce as a primary network are the following:

ASC (AS)	New Venture Gear (VG)
Alcoa (AC)	Nissan North America (NC)
Arvin Sango (AR)	North American Lighting (NL)
Black & Decker (BD)	Sauer-Sundstrand (SS)
Breed Technologies (BT)	Seeburn (SB)
Continental Teves (CV)	Takata/Irvin (TH)
Cooper Energy (CE)	Teleflex Automotive (TF)
Cooper Standard Engineered Products (CT)	Tenneco Exhaust (TG)
Cummins Engine (E)	Tenneco Ride Control (TL)
Cummins Engine (EE)	Textron (TE)
Flexalloy (FX)	Toyota Canada (TC)
Gates Rubber (GR)	Toyota Motor Manufacturing (Y)
Harley Davidson (HD)	Toyota Motor Manufacturing North America (TD)
Herman Miller (HM)	Toyota Motor Sales (TM)
Intermet Columbus (IC)	Walker (WK)
Jabil Circuit (JC)	Wecast Industries (WI)
Kelsey Hayes (K)	Western Star (WS)
Lescoa (LE)	Whirlpool (WP)
Long Manufacturing (LO)	Xerox (XE)
MTD (MD)	Yazaki North America (YZ)
Mark IV Automotive (IV)	
Maytag Appliances (MG)	
New Holland (NH)	

EDS ELIT Security Screen

The EDS ELIT Security screen displays under either of the following circumstances:

- If “E” is entered in the network selection file from a VLO menu.
- Or

- If “ED” is entered in map maintenance from AutoMap.

Security for all trading partners that use EDS ELIT and the same company are entered.

EDS Security Screen

```

                                EDS ELIT SECURITY CODE MAINTENANCE

Company .....  _

Calling Station ID Code.....  _
Present Security Code.....  _
New Security Code.....  _

Receive Member.....  _
Print Received Data.....  _ (Y/N)
Receive Nummi thru GM/EDS ELIT.....  _ (Y/N)

F3=Exit
  
```

Calling Station ID Code	-	Code assigned by EDS ELIT.
Present Security Code	-	User-defined. Must be five characters.
New Security Code	-	This is used only when changing your code. The new code must be five characters. The new security code is changed for all companies when the next communication session is initiated.
Receive Member	-	<p>The receive member is a two-position code that is appended to the Receive file member name.</p> <p>Note: The receive member is user-defined with one exception: “P” in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)</p> <p>When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.</p> <p>For example: Data received from the EDS ELIT Network is received into the file named VAREDS with member (Vxx) where “V” is constant and “xx” is the receive member entered in this field.</p>

This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.

- Print Received Data - Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.
- Receive Nummi thru GM/EDS ELIT - Nummi may be received directly from Nummi via the Nummi GM/EDS ELIT module or from EDS ELIT via the GM module. If receiving Nummi from EDS ELIT, do not use the Receive option on the Nummi menu (VL0N). Use the "receive" and "split" options on the GM menu (VL0G). During the "split," the GM and Nummi data is placed in separate files.
- If Nummi requirements are received, take the "breakdown," "print," and "process" from the Nummi menu (VL0N).
- If GM requirements are received, take the "breakdown," "print," and "process" from the GM menu (VL0G).
- Note:** If both GM and Nummi data are received from the Nummi menu, there is no way to separate the data, and the GM data is lost.

When using EDS ELIT and AutoMap to communicate with trading partners, there is an additional network screen that must be entered.

Example: EDS ELIT & AutoMap

Your trading partner's supplier ID, the file name (856), destination ID (PBD), and BDS III (BDS) must be added to the EDS screen to route data correctly. To do this, perform the following steps:

1. From the AutoMap menu (AUTMAP), select option 5, Map Maintenance.
2. Press Enter.
3. Select the Infor-assigned trading partner name with "1."
4. Press Enter.
5. Select 856 (O) with "1"
6. Press Enter.
7. Select "VAN ED."
8. Press F4.
9. Select "E"D with "7."

10. Press Enter.

```

                                MAINTAIN OEM EDS SETUP

Trading Partner: BEHR AMERICA
Transaction Set: 856

      Supplier ID:      XXX

      File Name:       856

      Destination ID:  PBD

      BDS III:        BDS

F3=Exit   F12=Return
```

11. Enter your trading partner's supplier ID, the file name (856), destination ID (PBD), and BDS III (BDS).

12. Press Enter twice.

*Some trading partners also uses the 997. If the 997 is also used, repeat the steps above, replacing "856" with "997."

Trading partners that use EDS ELIT as a primary network are the following:

Behr America (BH)
CAMI Service Parts (CZ)
Delphi Chassis (DI)
Delphi Harrison Thermal (DT)
Delphi Packard (DX)
Detroit Diesel (DE)
General Motors (G)
GM Non-Production (GQ)
GM MGO (GF)
GM SPO (GO)
GM Saturn (GT)
ITT Automotive (IT) (GM via EDS ELIT)
Lescoa (LE)
TRW Automotive Electric (TQ)
Workhorse Chassis (WC)

GEIS Security Screen

The GEIS Security screen displays under either of the following circumstances:

- If G is entered in the network selection file from a VL0 menu.
Or
- If GS is entered in map maintenance from AutoMap.

Security for all trading partners that use GEIS and the same company is entered.

GEIS Security Screen

```

                                GEIS SECURITY CODE MAINTENANCE

                                Company xx

User Number ..... _____
Password ..... _____
Receive member ..... _
Print Data Received ... _

(Enter y if you communicate with Chrysler through GEIS else enter N)
Enhanced Password ..... _

If you will be receiving from Nissan of Tennessee:
Supplier Code ..... _____

F3=Exit F10=Delete

```

User Number	-	Assigned by GEIS.
Password	-	Assigned by GEIS.
Receive Member	-	The receive member is a two-position code that is appended to the Receive file member name.

Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)

When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.

For example: Data received from the GEIS network is received into the file named VARGSCO with member (Vxx) where "V" is constant and "xx" is the receive member entered in this field.

This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.

- Print Data Received - Enter "Y" to print all data transmitted (sent and received) including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.
- Enhanced Password - Enter "Y" only if Chrysler is also received through GEIS; otherwise, enter "N."
- Supplier Code - An identification code assigned by Nissan. Enter only if Nissan is also received from GEIS.

Trading partners that use GEIS as a primary network are the following:

Accuride (AN)	Comau Pico (CB)	GE Appliance (GA)
ABC Group Canada (AK)	Continental Teves (CV)	General Seating (GN)
American Axle (AJ)	Denso Sales CA (DS)	GKN (GK)
Autoliv ASP (AT)	Donaldson (DO)	Harley Davidson (HD)
Borg Warner (BG)	Douglas & Lomason (DL)	Haworth (HW)
Briggs & Stratton (BS)	Dresser Rand (DZ)	Hayes Lemmerz (HL)
Budd Company (BU)	Dynax America (DY)	Hisan (HS)
CSX (CX)	Eaton (EA)	ITT Automotive (IT)
CTS Canada (CS)	Euclid (EU)	Inalfa Roof Systems (IN)
Cadillac Rubber & Plastic (CR)	Excelsior Springs (ES)	Integram (IG)
Calsonic (CA)	Formet Industries (FT)	International Truck (V)
Camco (CF)	Formex Automotive (FE)	Isuzu (U)
Caterpillar (P)	Freightliner (I)	Johnson Controls (J)
Chahta (HE)	Freightliner Sterling (FB)	Johnson Controls Interiors (PR)
Cherry Electrical (CH)	Freudenberg NOK (FG)	KEM Manufacturing (KE)
Chrysler (C)	Frigidaire (FR)	Karmax Heavy Truck (KA)
Keykert (KK)	New Venture Gear (NG)	TRW EDIFACT (TZ)
Lear (L)	Nissan Tennessee (S)	Textron (TE)
Lear Austria (LA)	Nissan VPC (NI)	Torrington (TO)
Lescoa (LE)	Paccar (PA)	Tower Automotive (AO)

Mack Truck (T)	Pilot Industries (PI)	Valeo Climate (VF)
Magna International (MN)	Sanden International (SN)	Valeo Electrical (VA)
Magna Seating Acuna (MK)	Scania (SC)	Valeo Engine (VE)
Means Industries (MY)	Seating System Sabinas (MV)	Valeo Sylvania (VS)
Mexican Industries (MX)	Seeburn (SB)	Venchurs (VP)
Mitchell (MT)	Simpson Industries (SI)	Venture Industries (VU)
Modine Manufacturing (MJ)	Slide Master (SL)	Versatrim (VB)
Multimatic Inc. (MU)	Steelcase (X1)	Volvo (W)
Nascote Industries (NO)	Subaru - Isuzu (SU)	Webasto (WE)
Nashville Interiors (NV)	Subaru of America (SO)	Woodbridge Foam (WB)
New Holland (NH)	TRW (TW)	

Kleinschmidt Security Screen

The Kleinschmidt Security screen displays under either of the following circumstances:

- If "K" is entered in the network selection file from a VL0 menu.
Or
- If "KL" is entered in map maintenance from AutoMap.

Security for all trading partners that use Kleinschmidt and the same company are entered.

Kleinschmidt Security Screen

```

KLEINSCHMIDT SECURITY CODE MAINTENANCE

Company .....01

Party ID ..... _____
Password ..... _____
New Password ..... _____
Mailbox ID ..... _____

Receive Member ..... _
Print Received Data ..... _ (Y/N)

F3=Exit   F10=Delete

```

Party ID	-	Assigned by Kleinschmidt.
Password	-	Assigned by Kleinschmidt.
New Password	-	To change the password, enter the new password here. After the next connection is made with the network, the system clears this field and moves the new password to the Password field.

- | | | |
|---------------------|---|--|
| Mailbox ID | - | Assigned by Kleinschmidt. |
| Receive Member | - | <p>The receive member is a two-position code that is appended to the Receive file member name.</p> <p>Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)</p> <p>When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.</p> <p>For example: Data received from the Kleinschmidt network is received into the file named VARKLS with member (Vxx) where "V" is constant and "xx" is the receive member entered in this field.</p> <p>This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.</p> |
| Print Data Received | - | <p>Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.</p> <p>Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.</p> |

Trading partners that use Kleinschmidt as a primary network are the following:

Allen Bradley (AB)
 Lescoa (LE)
 Mercedes Service (MZ)

Transnet Security Screen

The Transnet Security screen displays under either of the following circumstances:

- If "T" is entered in the network selection file from a VL0 menu.
- Or
- If "TN" is entered in map maintenance from AutoMap Security for all trading partners that use Transnet and the same company are entered.

Transnet Security Screen

```

                                TRANSNET SECURITY

                                Company 13

User#..... _____
Password..... _____
Branch Number..... _____
Branch Password..... _____
LTID..... _____
Receive file member ..... _
Print Data Received..... _ (Y/N)
Project Number..... _____
Test Logon (Y/N)..... _

F3=Exit
    
```

- User# - Assigned by Transnet.
- Password - Assigned by Transnet.
- Branch Number - The branch number.
- Branch Password - The branch password.
- LTID - The logical terminal identifier. Valid entries are "SHARK" and "CPUNCH."
 "SHARK" is assigned by MISG. This is used as a validation check and to address output to a specific terminal.
 "CPUNCH" indicates to the system that the output is being sent to a punch file or data set. "CPUNCH" must be entered if there is a subsequent "PUNCH" record.
- Receive file member - The receive member is a two-position code that is appended to the Receive file member name.
Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)
 When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.

For example: Data received from the Transnet network is received into the file named VARTRAN with member (Vxx), where “V” is constant and “xx” is the receive member entered in this field.

This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.

- Print Data Received - Enter “Y” to print all data transmitted (sent and received), including the data between the ISA and IEA segments.
- Enter “N” to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.
- Project Number - Enter the project number or leave blank to use the test logon field.
- Test Logon (Y/N) - This field determines the suffix (or project number) that is added to the mailbox ID to indicate whether the transmitted data is production or test data if the project number field is blank.
- Enter “Y” to transmit a test transmission Enter “N” to transmit live production data.

Trading partners that use Transnet as a primary network are the following:

Transnet (TN)

Peregrine (formerly Harbinger) Security Screen

If “H”B is entered on the Communications screen in map maintenance, the Peregrine (formerly Harbinger) Security screen displays. Peregrine security cannot be entered from a VL0 menu. Security for all trading partners that use Peregrine and the same company are entered.

Peregrine Security Screen

```

HARBINGER SECURITY

Company 01

User#..... _____
Password..... _____
Receive file member ..... _
Print Data Received..... _ (Y/N)

F3=Exit  F10=Delete

```

- User# - Assigned by Peregrine.
- Password - Assigned by Peregrine.
- Receive File Member - The receive member is a two-position code that is appended to the Receive file member name.
- Note:** The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)
- When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.
- For example:** Data received from the Peregrine network is received into the file named VARHARB with member (Vxx), where "V" is constant and "xx" is the receive member entered in this field.
- This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.
- Print Data Received - Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.

Trading partners that use Peregrine (formerly Harbinger) as a primary network are the following:

Automotive Products (PD)
Bergstrom (BE)
Meridian Automotive (MF)
Polaris (PL)
Siemens Automotive Group (SA)
Square D (SD)
Steyr Mexico (SX)
Visteon (VI)

MCI Security Screen

If "MC" is entered on the Communications screen in map maintenance, the MCI Security screen displays. MCI security cannot be entered from a VL0 menu. Security for all trading partners that use MCI and the same company are entered.

MCI Security Screen

```

MCI SECURITY

Company AT

Mailbox..... _____
Password..... _____
Receive file member ..... _
Print Data Received..... _ (Y/N)

F3=Exit F10=Delete

```

- | | | |
|---------------------|---|--|
| Mailbox | - | The mailbox ID, assigned by MCI, consists of an "S" in the first position, followed by the four-position maintainable code that is entered here. |
| Password | - | Assigned by MCI. |
| Receive File Member | - | <p>The receive member is a two-position code that is appended to the Receive file member name.</p> <p>Note: The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)</p> <p>When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.</p> <p>For example: Data received from the MCI network is received into the file named VARMC1 with member (Vxx), where "V" is constant and "xx" is the receive member entered in this field.</p> <p>This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.</p> |

- Print Data Received - Enter "Y" to print all data transmitted (sent and received), including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.

Trading partners that use MCI as a primary network are the following:

Alphabet (AP)
 John Deere (JD)
 ZF Group (ZF)

Fleet Bank Security Screen

If "FL" is entered on the Communications screen in map maintenance, the Fleet Bank security screen displays. Fleet Bank security cannot be entered from a VL0 menu. Security for all trading partners that use Fleet Bank and the same company are entered.

Fleet Bank Security Screen

```

                                FLEET BANK SECURITY
                                Company 01

User ID..... _____
Password..... _____

Inbound ID#..... _____
Inbound Batch ID..... _____

Outbound ID#..... _____
Outbound Batch ID..... _____

Receive file member ..... _
Print Data Received..... _ (Y/N)

F3=Exit F10=Delete
  
```

- User ID - Assigned by Fleet Bank.
- Password - Assigned by Fleet Bank.
- Inbound ID# - The ID number used when receiving data from the Fleet Bank mailbox.
- Inbound Batch ID - The batch ID used when receiving data from the Fleet Bank mailbox.

- Outbound ID# - The ID number used when sending data to the Fleet Bank mailbox.
- Outbound Batch ID - The batch ID used when sending data to the Fleet Bank mailbox.
- Receive File Member - The receive member is a two-position code that is appended to the receive file member name.
- Note:** The receive member is user-defined with one exception: "P" in the second position is reserved for outside processing mailboxes. The receive member can be alphanumeric or it can be blanks. (Blanks can be used for only one mailbox per network.)
- When data is pulled from a mailbox, the receive member is attached to the file name. A receive member is needed only if receiving from multiple mailboxes. The receive member must be unique for each mailbox.
- For example:** Data received from the Fleet Bank network is received into the file named VARFL with member (Vxx), where "V" is constant and "xx" is the receive member entered in this field.
- This file name with receive member is used by the receive, split, and breakdown. This allows multiple companies, who access different mailboxes, to receive, split, and breakdown their files without having to check with each other. Because the member names are unique, the second company to receive will not clear files that were received by the first company.
- Print Data Received - Enter "Y" to print all data transmitted (sent and received) including the data between the ISA and IEA segments.
- Enter "N" to print only the sign-on records and end records, but omit the data between the ISA and IEA segments.

Trading partners that use Fleet Bank as a primary network are the following:

Fleet Bank (FL)

Direct Security

If “D” is entered in the Network Selection file, the Trading Partner Security screen displays for the trading partner that is accessed directly. Different security screens are displayed depending on the trading partner.

Trading partners that may be accessed directly are the following:

Arvin (AV)
*Caterpillar (P)
Chrysler (C)
Dana (DA)
Denso (WT)
Federal Mogul (FM)
Ford (F)
Genuine Parts (GP)
**GPC Napa (NG)
NDLA (NA)
Nummi (N)
Peregrine (PG)
***Toyota Motor Sales (TM);
Volkswagen AutoEuropa (VX)

* Caterpillar can be accessed directly or via GEIS.

** GPC Napa is accessed directly through their own network, called “GPCNet.”

*** Toyota Motor Sales can be accessed directly or via Commerce.

Configurable Security

If the network selection code is "1" (Configurable), the security option displays the values screen from communications security. The configurable code is used when the communication method is FTP/ANX.

The FTP/ANX communication records are entered on the Communications Scheduler. When the communication sessions are initiated, it calls the FTP/ANX script from the configurable interface.

At this time (11/01) the only trading partners that require suppliers to use FTP/ANX are the following:

Ford (F) - Ford has been coded to use the FTP communication method.

- Ford FTP via ANX
- Ford FTP via GEIS
- Ford FTP via Advantis

Communications Security Screen

```

                                Communication Security                                8/16/xx
                                                                                       14:39:36

Type options, press Enter:
    2=Edit  3=Copy  4=Delete  5=Display  7=Move ...

Op Type  Version  Description                                     Application
-----
__ FTPSPLIT    2  Split Receive File From Ford via FTP          FORDFTP
__ FTP824      1  Send Application Adv 824 To Ford via FTP      FORDFTP
__ FTP824      2  Send Application Adv 824 To Ford via FTP      FORDFTP
__ FTP841      1  Send Packaging Spec 841 To Ford via FTP        FORDFTP
__ FTP841      2  Send Packaging Spec 841 To Ford via FTP        FORDFTP
__ GSCACKO_F   1  Send Ack File To Ford through GEIS           FORDGSC
__ GSCASNO_F  1  Send ASN (856) To Ford through GEIS          FORDGSC
__ GSCBRKD F   1  Break Down GEIS data for Ford                FORDGSC

F3=Exit  F6=Create  F12=Return  F24=Keys ...

```

To view additional details about the Communications Security screen, see Chapter 11, System Maintenance, of the AutoRelease manual.

System Maintenance

Before data can be transmitted or received, the following files must be entered:

- Network Selection
- Network Maintenance
- Communications
- Security

Security - System Maintenance - Communications

The Communication Scheduler from the Communications Menu must be accessed to do the following:

- Build and maintain physical line descriptions for lines purchased from IBM and assign a job queue.
- Enter phone numbers for communication jobs. Separate line items may be entered for the same phone number to receive all data for all receive members for a trading partner or network, or to receive data for individual receive members for the same trading partner or network. The day of the week and the time of day to initiate the session are identified if using AutoSchedule.
- Enter, maintain, or initiate configurable communication jobs. A configurable communication job is a non-bisynchronous method of communication that requires a configurable script (residing in the FUTCP library and created using the configurable interface tool).

Example: Ford FTP via ANX.

F7 - Lines

(From the Communication Scheduler Screen)

The Work with Physical Lines screen is used to build physical line descriptions for lines used for AutoRelease and VendorRelease communications. Line maintenance includes the following:

- Assigning a job queue for the line.
- Assigning a line type (optional).
- Identifying which AutoSchedule jobs are authorized to use the line.
- Defining the commands to create the line description, controller description, and device description.

Work with Physical Lines Screen

```

                                Work with Physical Lines

Options:
    2=Edit  3=Copy  4=Delete  5=Display  6=Print  13=Rebuild

    Physical  Job      Line      Job      Vary
Op Line      Queue    Type      Type      Off  Active
EQ _____
___ LIN021   A1        9600
___ LIN022   A1        9600
                                Y      N
                                N      N

F3=Exit  F6=Create  F12=Return  F13=Repeat  F14=Lines  F15=Ctl/Dev  F24=Keys

```

For additional information on the Work with Physical Lines screen, see chapter 11 (System Maintenance) of the AutoRelease manual.

F8 - Scheduler

(From the Communication Scheduler Screen)

The Scheduler is used to enter and maintain the following:

- Direct (bisynchronous) communications with a trading partner
- Network (bisynchronous) communications (via a VAN)
- Configurable communications (Example: Ford FTP via ANX)

Phone numbers for communication jobs are entered and maintained. The day of the week and the time of day to initiate the AutoSchedule job is identified if using AutoSchedule.

Separate line items (jobs) may be entered for the same phone number to receive all data for all receive members for a trading partner or network, or to receive for a different receive member, for the same trading partner or network, individually.

Work with Scheduler Screen

```

CMD1020          Work with Scheduler          3/24/xx    9:31:36

Options:
    2=Edit  3=Copy  4=Delete  5=Display  7=Move  8=Submit ...

  OEM/ ---Comm---  Phone Number          Del -----Schedule-----
  Op Ntwk Typ Mb Seq  or Description          Memb Time S M T W T F S Act
EQ
__ C           AL  1    8102745015          Y  0300   X X X X X      Y
__ IB          DN  1    8004852095          Y  0400   X X X X X      Y
__ IB          DN  2    8774010785          Y
__            JU  1    MRP FORECAST          Y  0200   X X X X X      Y
__ F           **  1    3133220204          Y  0100   X X X X X      Y
__ F           **  2    3132485341          Y
__ F FTPASN EB  1    FORD FTP ASN          Y
F3=Exit  F6=Create  F12=Return  F13=Repeat  F23=Options  F24=Keys ...

```

For additional information on the Work with Scheduler screen, see chapter 11 (System Maintenance) of the AutoRelease manual.

This option is used for configurable communications only (Ford FTP via ANX is an example of configurable communications). If 1 (Configurable) is entered in the Network Selection, Communications Security is accessed instead of the OEM security used for direct or VAN (bisynchronous) communications.

Communication Security Screen

```

CMD1100          Communication Security          8/01/xx
                                     15:15:36

Type options, press Enter:
    2=Edit  3=Copy  4=Delete  5=Display  7=Move ...

  Op Type      Version  Description          Application
EQ
__ FTPACK      1    Send Ack File To Ford via FTP  FORDFTP
__ FTPASN      1    Send ASN To Ford via FTP      FORDFTP
__ FTPCPK      1    Send CPK (863) To Ford via FTP FORDFTP
__ FTPLOOP     1    FTP Loopback Test with Ford   FORDFTP
__ FTPRCV      1    Receive File From Ford via FTP FORDFTP
__ FTPRCVACK   1    Receive 824 & 997 From Ford via FTP FORDFTP
__ FTPRSP      1    Send DlrDrct Resp(824,865,870) to Ford FORDFTP
__ FTPSPLIT    1    Split Receive File From Ford via FTP FORDFTP
__ FTP824      1    Send Application Adv 824 To Ford via FTP FORDFTP
__ FTP841      1    Send Packaging Spec 841 To Ford via FTP FORDFTP
F3=Exit  F6=Create  F12=Return  F24=Keys ...

```

For additional information on the Communication Security screen, see chapter 11 (System Maintenance) of the AutoRelease manual.

Network Menus

Security - Network Menus

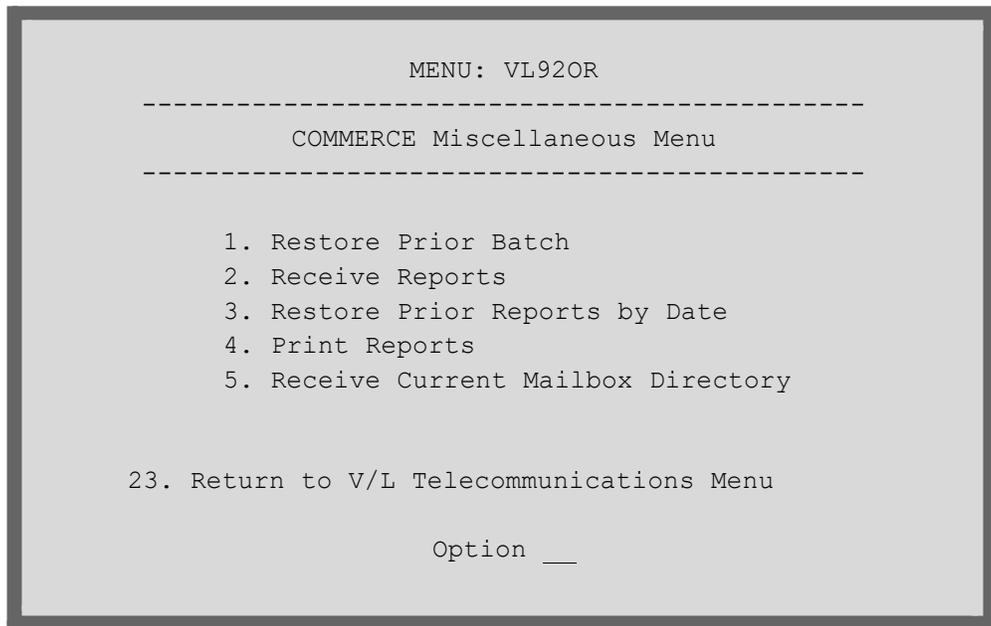
The Commerce and GEIS networks have miscellaneous network menus. These menus are accessed from the trading partner VL0 menu.

Commerce Miscellaneous Menu - Menu VL92OR

GEIS Miscellaneous Menu - Menu VL92GS

The options on these menus may be used if the GEIS or Commerce network is used to receive and transmit data.

VL92OR



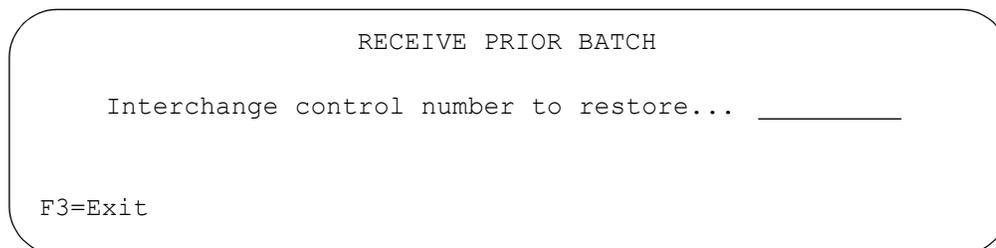
Restore Prior Batch

(Option 1 on the VL92OR Menu)

This option restores a file that was previously received through Commerce so that it can be received a second time. After the file is restored to your mailbox, take the “receive” option on the trading partner VL0xx (xx=OEM code) menu.

A screen will prompt for company number to verify user security.

Interchange Control Screen



Enter the interchange control number of the file to receive. The interchange control number is a 10-digit number found on the Commerce Report that prints when the Print Reports option is taken. Leading zeros must be entered.

Receive Reports

(Option 2 on the VL92OR Menu)

This option receives reports from the Commerce network.

A screen will prompt for company number to verify user security.

When the system operator message prompts to dial, respond with "G," press Enter, and continue with the communication procedure.

Restore Prior Reports by Date

(Option 3 on the VL92OR Menu)

This option restores reports that were previously received from Commerce so that they can be received a second time. After the file is restored to your mailbox, take the Receive Reports option on this menu.

A screen will prompt for company number to verify user security.

Restore Prior Reports Screen

```

RESTORE PRIOR REPORTS BY DATE

Select:
  Start Date (YYMMDD) .... _____
  End Date (YYMMDD) ..... _____

F3=Exit

```

Enter the date range in YY-MM-DD format and press Enter.

Print Reports

(Option 4 on the VL92OR Menu)

This option prints reports from Commerce, exactly as received, when the Receive Reports option was taken.

Receive Current Mailbox Directory

(Option 5 on the VL92OR Menu)

This option prints the Commerce Receive Audit Report, which lists the current active contents of your Commerce mailbox. The Commerce code indicates the type of file, such as "A R - Active," waiting to be received or "C" for "report." Use the Commerce network service user guide to identify other Commerce codes.

```

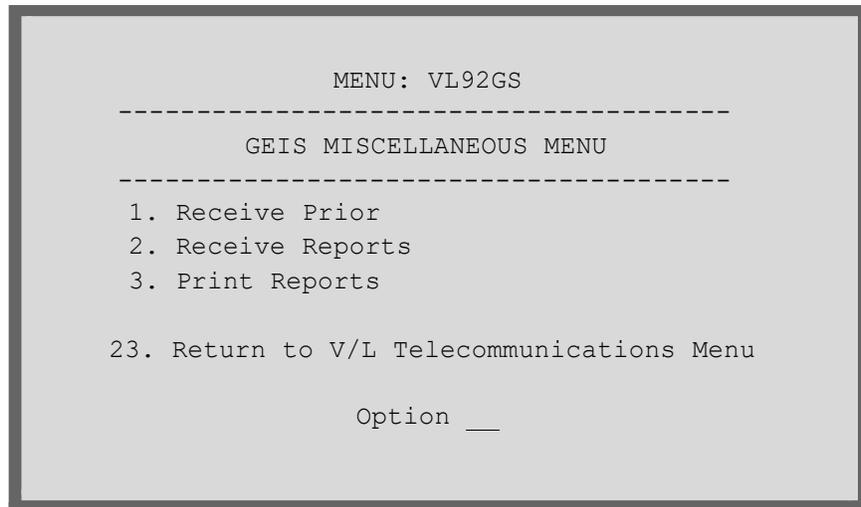
Do you wish to delete previous Data received: _

NOTE: A (Y) must be entered if the previous
       receive was not completed successfully.

F3=Exit

```

VL92GS



Receive Prior

(Option 1 on the VL92GS Menu)

This option receives the last GEIS file that was received using the Receive Data option.

A screen will prompt for company number to verify security.

A second screen will prompt to “Delete previous data?.” Enter “Y” to delete or “N” to append the file. If using manual dial, a break message displays when the dial message is available. Answer the message with “G,” press Enter, and then continue with the communication procedure.

Receive Reports

(Option 2 on the VL92GS Menu)

This option receives the following reports from the GEIS network:

- Sender Status
- Receiver Status Report
- Unretrieved Document Report

A screen will prompt for company number to verify security.

A second screen will prompt to “Delete previous data?” Enter “Y” to delete or “N” to append the file. If using manual dial, a break message displays when the dial message is available. Answer the message with “G,” press Enter, and then continue with the communication procedure.

Print Reports

(Option 3 on the VL92GS Menu)

This option prints all the reports received from GEIS using the option Receive Reports.

Where to Find More Information

This Security document provides information regarding security selection, maintenance options, and VAN menus that a supplier must enter before communications with the trading partner may take place. The security screens, maintenance options, and VAN menus are not repeated in each trading partner document. Rather than repeating them in each trading partner document, this chapter describes the security selection, maintenance options, and VAN menus that are common to all of the trading partners; deviations from the common are described in the individual trading partner documents.

All “traditional” trading partners (as opposed to mapped trading partners) have individual menus with options identifying the security screens and other options. This chapter primarily describes the security options found on the individual menus. Significant AutoMap differences are also noted.

Check the individual trading partner documents and the other chapters in the AutoRelease manual that describe the other common functions and procedures performed by all trading partners, such as daily procedures and ASN options, with or without bar code and electronic invoices.

Trading Partner Documents Traditional and Mapped	-	These documents include information about each OEM, their unique business practices, transaction sets, communication method and security, file set-ups, implementation, activation of keywords (for AutoMap), and the VL0 and VL8 menus (traditional).
Daily Procedures	-	Describes the receive, split, breakdown, print, process, and transmit 997 functions.
Security	-	Describes all security selection and maintenance options and VAN menus.
ASN (VL8) Options	-	Describes the standard procedures for transmitting ASNs without bar code.
ASN (VL8) with Bar Code Options	-	Describes the standard procedures for transmitting ASNs with bar code.
Electronic Invoice Options	-	Describes the standard procedures for transmitting (VL75) electronic invoices.