Using Proprietary TRADACOMS Standards (Visual Mapper)

Introduction

This technical bulletin explains how you can configure GENTRAN:Server Workstation and GENTRAN:Server for UNIX® to use proprietary TRADACOMS standards --TRADACOMS-based standards that are unique to you and your trading partners.
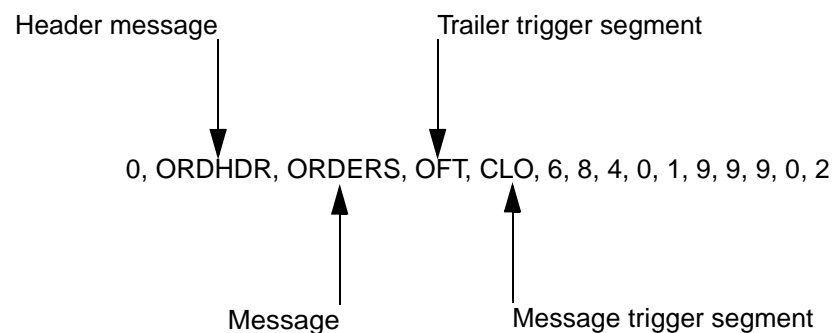
CAUTION

This information applies only to GENTRAN:Server Workstation and GENTRAN:Server for UNIX, version 5.1-1 and higher.

The problem

To determine when and how to create header and trailer segments within a TRADACOMS interchange, GENTRAN:Server versions prior to version 5.1-1 use a table embedded in the **Iftran** translator program. As the translator encounters a segment within the data, **Iftran** checks the table to determine which types of messages to write.

Example

This illustration shows an example of the header, trailer, and message information within a record in the embedded table.

Header message   Trailer trigger segment

0, ORDHDR, ORDERS, OFT, CLO, 6, 8, 4, 0, 1, 9, 9, 9, 0, 2

Message   Message trigger segment

If you use proprietary TRADACOMS standards, then the table lacks message trigger segments for the proprietary messages. Translation does not create header and message segments for those messages.

Example

If your proprietary version of TRADACOMS starts ORDERS messages with an OLD segment instead of with a CLO segment, then GENTRAN:Server will not write out your ORDERS messages.

The solution   For GENTRAN:Server version 5.1-1 and higher, every translator process looks for a file named *tradacom.cfg* within the directory that contains the *envprim.cfg* file used by that translator process. For GENTRAN:Server Workstation, the directory is the directory where GENTRAN:Server is installed. For GENTRAN:Server for UNIX, the directory is the root directory for the installation, as set in the $EDI_ROOT environment variable.

If *tradacom.cfg* is not present, then the translator uses the embedded table used by previous versions. If *tradacom.cfg* exists, then the translator uses it in place of the embedded table.

GENTRAN:Server 5.1-1 and higher provide a file named *tradacom.smp* that contains a copy of the embedded table. You can make a copy of *tradacom.smp,* edit it to reflect the types of messages handled at your site, and save it as *tradacom.cfg* to enable the translator to generate the correct messages.

The tradacom.smp and *tradacom.cfg* **Files**

Introduction   This section provides an example of the *tradacom.smp* file and defines the layout of the records within the *tradacom.smp* and *tradacom.cfg* files.

Example
tradacom.smp
file

0, ACKHDR, ACKMNT, KFT, CLO, 3, 3, 3, 0, 1, 4, 4, 4, 0, 2

0, AVLHDR, AVLDET, AFT, ARF, 3, 3, 1, 0, 1, 4, 4, 4, 0, 2

0, BTOHDR, BTOERS, OFT, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

0, CORHDR, CORDER, OFT, CLO, 4, 4, 4, 0, 1, 6, 6, 6, 0, 2

4, CRAHDR, CRAINF, TCM, CDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

7, CREHDR, CREDIT, TOT, CLO, 6, 8, 6, 5, 1, 9, 9, 9, 9, 2

2, CUSHDR, CUSINF, CFT, NOI, 6, 7, 4, 0, 1, 8, 8, 8, 0, 2

0, DELHDR, DELIVR, DFT, CLO, 6, 8, 4, 0, 1, 9, 9, 9, 0, 2

0, DLCHDR, DLCDET, COT, CLO, 0, 0, 0, 0, 1, 4, 4, 4, 0, 2

4, DRAHDR, DRAINF, TDM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

0, DYEHDR, DYEINS, ITO, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

0, EXCHDR, EXCINF, TEM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

3, GENHDR, GENRAL, GFT, MED, 1, 2, 1, 0, 1, 3, 3, 3, 0, 2

0, HSOHDR, HSODET, OFT, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

7, INVFIL, INVOIC, TOT, CLO, 6, 8, 5, 6, 1, 9, 9, 9, 9, 2

0, LPRHDR, LPRDET, LFT, SFR, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

0, ORDHDR, ORDERS, OFT, CLO, 6, 8, 4, 0, 1, 9, 9, 9, 0, 2

4, PAYHDR, PAYINF, TPM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

0, PICHDR, PICKER, PFT, ORD, 3, 3, 1, 0, 1, 4, 4, 4, 0, 2

0, PPRHDR, PPRDET, RPT, SFR, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

1, PRIHDR, PRIINF, PRT, NOI, 6, 6, 4, 0, 1, 8, 8, 8, 0, 2

1, PROHDR, PROINF, PDT, NOI, 6, 7, 4, 0, 1, 8, 8, 8, 0, 2

0, RSGRSG, RSGRSG, RSG, RSG, 1, 1, 1, 0, 1, 2, 2, 2, 0, 2

0, SADHDR, SADDET, ADT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

0, SNPHDR, SNPSTS, SNT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

5, SRMHDR, SRMINF, RST, SRD, 6, 7, 4, 0, 1, 9, 9, 9, 0, 2

0, UCNHDR, UCNDET, COT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

0, UPLHDR, UPLIFT, UFT, CLO, 2, 2, 1, 0, 1, 4, 4, 4, 0, 2

6, UTLHDR, UTLBIL, TTL, CLO, 0, 0, 0, 0, 1, 1, 1, 1, 1, 2

Layout of records

This table describes the layout of records in the *tradacom.smp* and *tradacom.cfg* files. It includes the data type of each field.

Field Number	Description	Type
1	Special case code	Short
2	Message header ID	Char
3	Message ID	Char
4	Trailer segment ID	Char
5	Message segment ID	Char
6	Release 8 header message version	Short
7	Release 8 detail message version	Short
8	Release 8 trailer message version	Short
9	Release 8 VAT message version	Short
10	Release 8 RSGRSG message version	Short
11	Release 9 header message version	Short
12	Release 9 detail message version (Continued on next page)	Short

Field Number	Description	Type
13	Release 9 trailer message version	Short
14	Release 9 VAT message version	Short
15	Release 9 RSGRSG message version	Short

How to Configure the *tradacom.cfg* File

Introduction   This topic explains how to edit the *tradacom.smp* file to create the *tradacom.cfg* file for a particular translation process.

Procedure   Use this procedure to edit the *tradacom.smp* file to create the *tradacom.cfg* file.

Step	Action
1	Use this table to determine your action. <table><tr><td>**IF you are using…**</td><td>**Then…**</td></tr><tr><td>GENTRAN:Server Workstation</td><td>log on to the workstation computer.</td></tr><tr><td>GENTRAN:Server for UNIX</td><td>log on ththe UNIX host as the owner of the affected installation.</td></tr></table>
2	Change directories to the root directory for the installation. **Comment** For GENTRAN:Server Workstation, the directory is the directory where GENTRAN:Server is installed. For GENTRAN:Server for UNIX, the directory is the root directory for the installation, as set in the $EDI_ROOT environment variable.
3	Check for the presence of a file named *tradacom.cfg*.
4	Did you find a *tradacom.cfg* file? ◗ If YES, open *tradacom.cfg* in a text editor. ◗ If NO, copy the *tradacom.smp* file and name it *tradacom.cfg*. Then open *tradacom.cfg* in a text editor.
5	Find the entry with the Header Message ID and Message ID that you want to generate from your proprietary standard. (Continued on next page)

(Contd) Step	Action
6	Edit the Trailer Segment ID and Message Segment ID fields (fields 4 and 5, respectively) to match your proprietary standards. **WARNING** **Do not edit any other fields unless instructed to do so by customer support.**
7	Repeat steps 5 and 6 for each proprietary message type.
8	Save the file as text, using the file name *tradacom.cfg*.

Where to put the completed file

To translate using the *tradacom.cfg* file containing your proprietary standards, you need to copy or move the *tradacom.cfg* file into the same directory that contains the *envprim.cfg* file used by the translation process. Since **Iftran** looks for the *tradacom.cfg* file first, if the file is in the correct location it will automatically be used instead of the embedded table.

CAUTION

If you have multiple installations at your site, be sure to copy the edited *tradacom.cfg* file into the proper location for every installation.

Testing *tradacom.cfg* for Errors

Errors within the *tradacom.cfg* file can cause errors in the translated data. This topic explains how to check the *tradacom.cfg* file for errors, and how to correct the file if it contains errors.

The -d option and the *xlcntl.err* file

The -d option that you normally use to list the segments that were translated now has an additional function. With version 5.1-1 and higher, the -d option also lists at the beginning of the *xlcntl.err* file each *tradacom.cfg* record that **Iftran** loaded. Other messages about the translation follow the *tradacom.cfg* status information.

Example *xlcntl.err* file

This excerpt from an example *xlcntl.err* file shows *tradacom.cfg* records that **Iftran** loaded before translation. This example omits the messages before and after the status of *tradacom.cfg*.

LOADED: 0, ACKHDR, ACKMNT, KFT, CLO, 3, 3, 3, 0, 1, 4, 4, 4, 0, 2

LOADED: 0, AVLHDR, AVLDET, AFT, ARF, 3, 3, 1, 0, 1, 4, 4, 4, 0, 2

LOADED: 0, BTOHDR, BTOERS, OFT, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

LOADED: 0, CORHDR, CORDER, OFT, CLO, 4, 4, 4, 0, 1, 6, 6, 6, 0, 2

LOADED: 4, CRAHDR, CRAINF, TCM, CDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

LOADED: 7, CREHDR, CREDIT, TOT, CLO, 6, 8, 6, 5, 1, 9, 9, 9, 9, 2

LOADED: 2, CUSHDR, CUSINF, CFT, NOI, 6, 7, 4, 0, 1, 8, 8, 8, 0, 2

LOADED: 0, DELHDR, DELIVR, DFT, CLO, 6, 8, 4, 0, 1, 9, 9, 9, 0, 2

LOADED: 0, DLCHDR, DLCDET, COT, CLO, 0, 0, 0, 0, 1, 4, 4, 4, 0, 2

LOADED: 4, DRAHDR, DRAINF, TDM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

LOADED: 0, DYEHDR, DYEINS, ITO, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

LOADED: 0, EXCHDR, EXCINF, TEM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

LOADED: 3, GENHDR, GENRAL, GFT, MED, 1, 2, 1, 0, 1, 3, 3, 3, 0, 2

LOADED: 0, HSOHDR, HSODET, OFT, CLO, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

LOADED: 7, INVFIL, INVOIC, TOT, CLO, 6, 8, 5, 6, 1, 9, 9, 9, 9, 2

LOADED: 0, LPRHDR, LPRDET, LFT, SFR, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

LOADED: 0, ORDHDR, ORDERS, OFT, OLD, 6, 8, 4, 0, 1, 9, 9, 9, 0, 2

LOADED: 4, PAYHDR, PAYINF, TPM, SDT, 0, 0, 0, 0, 1, 3, 3, 3, 0, 2

LOADED: 0, PICHDR, PICKER, PFT, ORD, 3, 3, 1, 0, 1, 4, 4, 4, 0, 2

LOADED: 0, PPRHDR, PPRDET, RPT, SFR, 0, 0, 0, 0, 1, 2, 2, 2, 0, 2

LOADED: 1, PRIHDR, PRIINF, PRT, NOI, 6, 6, 4, 0, 1, 8, 8, 8, 0, 2

LOADED: 1, PROHDR, PROINF, PDT, NOI, 6, 7, 4, 0, 1, 8, 8, 8, 0, 2

LOADED: 0, RSGRSG, RSGRSG, RSG, RSG, 1, 1, 1, 0, 1, 2, 2, 2, 0, 2

LOADED: 0, SADHDR, SADDET, ADT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

LOADED: 0, SNPHDR, SNPSTS, SNT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

LOADED: 5, SRMHDR, SRMINF, RST, SRD, 6, 7, 4, 0, 1, 9, 9, 9, 0, 2

LOADED: 0, UCNHDR, UCNDET, COT, CLO, 2, 2, 1, 0, 1, 3, 3, 3, 0, 2

LOADED: 0, UPLHDR, UPLIFT, UFT, CLO, 2, 2, 1, 0, 1, 4, 4, 4, 0, 2

LOADED: 6, UTLHDR, UTLBIL, TTL, CLO, 0, 0, 0, 0, 1, 1, 1, 1, 1, 2

 29 record(s) loaded.

Running a test translation

Use this procedure to run a test translation using the *tradacom.cfg* file.

Before you begin

Before you start this procedure, make sure that the *tradacom.cfg* file that you want to test is in the same directory as the *envprim.cfg* file for the translator process.

Step	Action
1	Run a test translation using the -d option. **Reference** See the Running Translation chapter in the Mapping and Translation Guide.
2	View the *xlcntl.err* file. **Reference** See the Running Translation chapter in the Mapping and Translation Guide.
3	Use the following table to determine your next action. <table><tr><td>**IF *xlcntl.err* contains…**</td><td>**THEN *tradacom.cfg*…**</td></tr><tr><td>The words "NOT LOADED" in a message near the beginning of the file</td><td rowspan="2">Contains errors and needs to be replaced. To correct the problem, delete the *tradacom.cfg* file and then create a new *tradacom.cfg* file. **Reference** See the topic How to Configure the *tradacom.cfg* File in this guide.</td></tr><tr><td>A message stating that fewer than 29 records were loaded</td></tr><tr><td>No error messages, plus it shows that 29 records were loaded</td><td>Is okay and ready to use.</td></tr></table>