

Sterling Standards Library

Using Envelopes and CII and TRADACOMS Envelope Properties

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Sterling Commerce
An IBM Company

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Contents

Introduction to Document Envelopes	5
Envelope Structure	5
Base Envelopes	7
Types of Envelopes	7
Wildcards in Envelopes	8
Wildcards in Deenveloping (Inbound) Work	8
Wildcards in Enveloping (Outbound) Work	8
Wildcard Deenveloping Example	10
Control Numbers	11
Transaction Register	12
Creating a New Envelope	13
Importing and Exporting Envelopes	13
Searching for an Envelope	15
Searching for Related Envelopes	16
Viewing Document or Envelope Details	17
Copying an Envelope	18
Updating Envelope Properties	19
Deleting an Envelope	20
Specifying a Default Envelope	21
Creating a Global Control Number	22
Searching for Global Control Numbers	23
Updating a Global Control Number	24
Correcting an Invalid Global Control Number	25
Deleting a Global Control Number	26
Viewing Local or Global Control Number History	27
Searching for Transaction Register Records	28
Deleting Transaction Register Records	29
Setting the Number of Days Information is Retained in Transaction Register	29
Viewing Gentran:Server for UNIX Envelopes In the Application	30
Checking the Queue for the EDI Sequence	31
Introduction to Envelope Properties	32
CII Inbound Envelope Properties	33
CII Outbound Envelope Properties	36
TRADACOMS Inbound STX END Envelope Properties	39
TRADACOMS Outbound STX END Envelope Properties	40
TRADACOMS Outbound MHD MTR Envelope Properties	43
enveloping.properties	46
Overview	46
Overriding or Editing Property File Settings	46
Properties in the enveloping.properties File	46

Configuration Settings 47

Introduction to Document Envelopes

A *document envelope* consists of control information that enables organizations to effectively exchange documents. The document envelope takes the original document, assigns a control number, and packages header and trailer information with it, prior to submitting it to a trading partner. Creating document envelopes is necessary if you wish to do EDI with your trading partners.

Note: If you have not already created maps, create any maps needed for translating before you create the envelope. For information about creating maps, see the *Map Editor Guide*.

During the envelope creation process, you will need to assign the envelope name, description, and parameters, such as unique identification numbers (control numbers).

Note: Each time a user adds, modifies, or deletes an envelope, the action is logged to create an audit trail based on the user who performed the event.

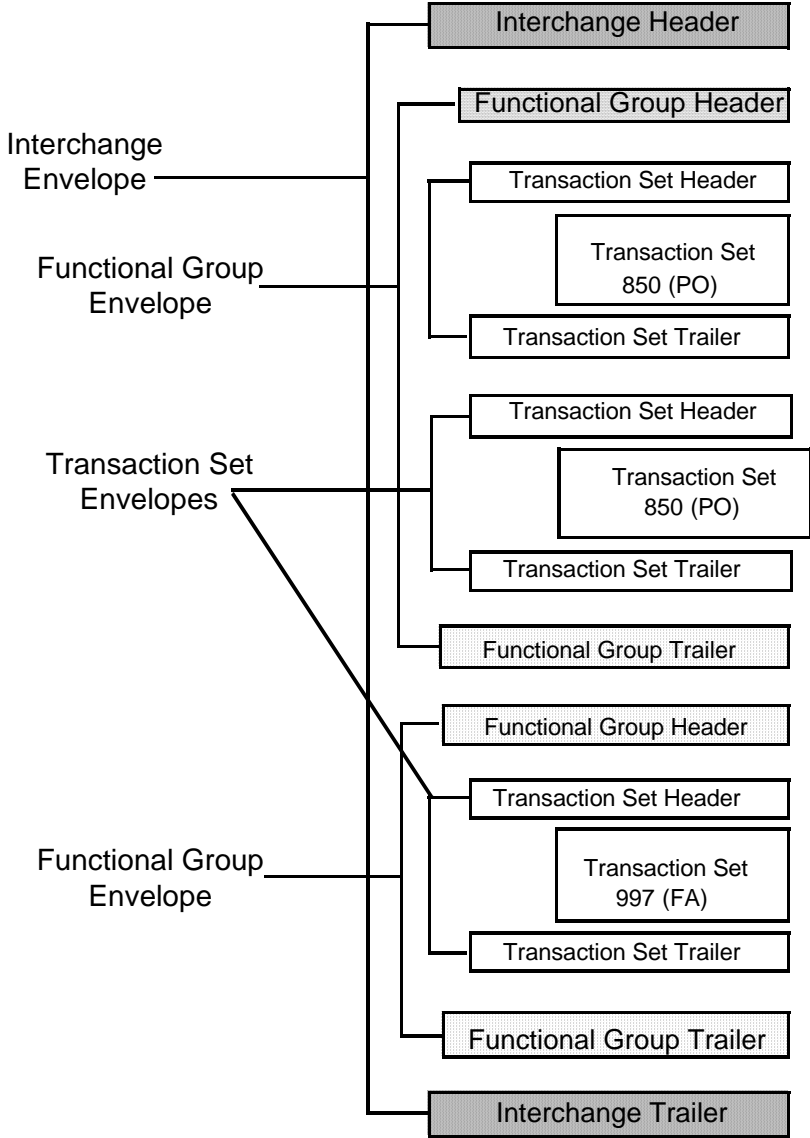
Envelope Structure

The application supports the use of many EDI protocols. The EDIFACT, ASC X12, SWIFTnet, and ODETTE protocols each have three levels of envelopes:

- ◆ Interchange (outermost) – Contains an interchange header and trailer, and all the data sent from one sender to one receiver in the same transmission.
- ◆ Functional group (middle) – Contains a group header and trailer that surrounds a group of transaction sets of the same type.
- ◆ Transaction set (innermost) – Contains the standard (EDIFACT, ASC X12, and so forth) message surrounded by a header and trailer record.

In addition, the application supports CII, TRADACOMS, and ACH-CTX, which only have one level of envelopes—the message group header.

This illustration shows the structure for the protocols that have 3 levels of envelopes:



Base Envelopes

The application uses a concept of a *base envelope* as a starting point to create a new envelope. The base envelope maintains a link to the new envelope that inherited its properties. If you modify the base envelope, all related envelopes (that is, ones that inherited the base envelope properties) change, as well.

Note: If you plan to create many envelopes using base envelopes, it is recommended that you do not use the base envelopes in production. You may want to document how your base envelopes are linked to other envelopes.

The default envelope is the version of the document envelope that the application uses. You can specify a default envelope only if there are two or more versions of the same envelope. One version must be selected as the default.

Types of Envelopes

There are many types of envelopes provided in the application. Each envelope is defined by its envelope properties. These predefined enveloping and deenvolving business processes are available for you to incorporate into your own business processes. Envelope parameters specify whether the document is inbound or outbound:

- ◆ *Inbound envelopes* identify documents that come into the application so they can be properly routed. Inbound envelopes also give you the option to translate documents when you choose to check documents for compliance. By choosing to translate documents from within the envelope, you can reduce document processing time because you do not need to specify a separate Translation service step in the business process.
- ◆ *Outbound envelopes* identify documents so that they can be sent to and received by trading partners.

Wildcards in Envelopes

As a way to help reduce the number of envelopes you need to create and use, the EDI Enveloping and EDI Deenveloping services support use of an asterisk (*) as a wildcard character in mandatory envelope fields for X12, EDIFACT, SWIFT, CHIPS, FEDWIRE, and ACH-CTX only. The exception to this rule is when the field is Sender ID, Receiver ID, or a qualifier for one of those fields. For example, in EDIFACT the following fields are conditional, but are considered to be part of the Sender / Receiver ID and therefore must have a “*” placed in the field if you want to override those values:

- ◆ (0008) Interchange Sender Internal Identification:
- ◆ (0042) Interchange Sender Internal Sub-identification:
- ◆ (0014) Interchange Recipient Internal Identification
- ◆ (0046) Interchange Recipient Internal Sub-identification

For optional fields, the wildcard value is leaving the field blank. With EDI Enveloping, for optional fields, the wildcard value is equivalent to leaving the field blank. If certain trading partners have specific requirements, you can create envelopes that pertain just to them, and the EDI Enveloping service chooses the envelope that is the best match. That is, the envelope that has the most matches to specific fields in the data (for example, Receiver ID and Receiver ID Qualifier), is the one selected.

Wildcards in Deenveloping (Inbound) Work

The EDI Deenveloping service receives data, parses the headers, and extracts the EDI information from it. The service searches the available envelopes for the closest match to the EDI data.

When setting up enveloping with wildcards, consider that:

- ◆ The Deenveloping service selects the envelope that matches the EDI data most closely. For example, if an envelope has the same Transaction ID as the incoming data, and another envelope has wildcards in all mandatory fields, the envelope with the matching Transaction ID is used.
- ◆ Sender ID and Receiver ID have priority over other EDI fields. For example, two envelopes are found that have a field that matches one EDI field from the data. One envelope matches the value in the Receiver ID field from the data; the other matches the Transaction ID field. The envelope that has the matching Receiver ID will be selected by the service and used for processing.
- ◆ If no envelopes are found that have an exact match to fields in the EDI data, and an envelope with wildcards does exist, the envelope with wildcards will be used.
- ◆ If multiple envelopes have the same matching information (for example, two envelopes match the Sender ID and Receiver ID exactly) the service ends with an error.
- ◆ The wildcard character is an “all or nothing” parameter. That is, if using asterisk, you cannot enter other characters in the field with it. For example, you can not enter Ma* to match MaxxMart and Madeira Foods.

Wildcards in Enveloping (Outbound) Work

For Inbound envelopes, a wildcard value in the envelope matches any value in the input document, while an empty value in the envelope matches only an empty value in the input document. For Outbound envelopes, a wildcard value is equivalent to an empty value in the envelope. You can override wildcards

with specific EDI values in outbound processing. You must supply the EDI data to the business process and the data must be in the correct format (that is, name/value pairs).

One option is to use the lightweight JDBC adapter to pull fields in from database tables. Whatever method you choose to retrieve the fields, the results must be given to the Correlation service, which places them into process data. Passing the data to the Correlation service must be the last step in the business process before running the EDI Encoder service. When the EDI Encoding service runs, it uses the same best-match process detailed in the Inbound section to determine which envelope to use. When the X12 or EDIFACT envelope service runs, any envelope field values set in the Correlation service overrides those values defined in the envelope definition.

Note: If you are using wildcards for outbound acknowledgements (997 and CONTRL messages) so that you can have acknowledgements automatically generated from the values in the inbound document, you must use the “*” (asterisk) wildcard instead of an empty value (null) for a parameter.

Additionally, when using wildcards for outbound acknowledgements, you do not need to use the lightweight JDBC adapter or the Correlation service to place values in process data. In this scenario, the application automatically retrieves the values from the inbound document (if these values are present) and uses those values to generate the outbound acknowledgement.

When setting up your outbound processing, consider that:

- ◆ If an envelope field contains a wildcard, you must supply a correlation value for it or the service halts with an error.
- ◆ You can override wildcard values in an envelope by using the Correlation service to pass name/value pairs from the primary document to the EDI Encoder service.
- ◆ If an envelope contains specific values in the Sender ID, Sender ID Qualifier, Receiver ID, or Receiver ID Qualifier fields (that is, values other than a wildcard), the values passed from the Correlation service to the EDI Encoder service do not overwrite the values in the fields.
- ◆ If you are using the same envelope for inbound processing and acknowledgements, supply the Sender ID, Receiver ID, and Qualifiers in the envelope so that they are not overwritten by the correlation values.

Wildcard Deenveloping Example

1. Your trading partner, MaxxMart, transmits EDI purchase orders to your company.
2. The data reaches the EDI Deenveloping service, which extracts the EDI fields from the header, a portion of which follows:
 - ◆ Sender ID MAXXMART
 - ◆ Sender ID Qualifier ZZ
 - ◆ Receiver ID KIMATA
 - ◆ Receiver ID Qualifier 00
3. The service checks the fields in all available envelopes for matches to the corresponding fields in the EDI fields from the inbound data.

It finds two matches:

 - ◆ One is an exact match: an envelope named MaxxMart_Inbound contains the Sender ID MAXXMART and Sender ID Qualifier ZZ.
 - ◆ One is a generic match: an envelope called GENERIC_Inbound contains wildcards in all mandatory fields.
4. The service uses the envelope called MaxxMart_Inbound for processing because it has more specific matches to the data.

Control Numbers

The application uses *control numbers* to help keep track of transmitted data and to guarantee that the control code is unique. The application optionally checks for control number duplications, and uses incrementing control numbers that are mutually agreed upon by both sender and receiver to establish a verifiable sequence-checking process for transmitting and receiving EDI documents. If you attempt to use a duplicate control number, you are notified that the number already exists and must use another numeric value.

Note: Each time a user adds, modifies, or deletes a control number, the action is logged to create an audit trail based on the user who performed the event.

Currently, two types of control numbers are supported, local control numbers and global control numbers.

Local control numbers are defined as a numeric value in the envelope definition. You assign the starting control number value when the envelope is created or edited. For inbound envelopes, if sequence checking is turned on, each time data comes in that uses the envelope, the control number in the data is compared against the control number in the envelope. If they don't match, an out-of-sequence error is generated. If they do match, the local control number is incremented and that becomes the next expected local control number. For outbound envelopes, the local control number is the current control number value to be used the next time data is enveloped. Each time a control number value is used, it is incremented and saved back to the envelope definition.

Global control numbers have the same functionality as local control numbers (increments after each use). The difference is that you can create your own global control numbers and that multiple envelopes can use the same global control number. For example, let's say you had two outbound envelopes for two different trading partners (PartnerA and PartnerB) using the same global control number called "abc", and the value you assigned initially to the control number was 1000. Then you envelope a document for PartnerA, that document will get control number 1000. Then you send a different document to PartnerB. That document will get control number 1001, using the same global control number of abc. Now you send an envelope to PartnerA doc again. This envelope is assigned a control number of 1002.

The EDI process uses a sequence check queue as a temporary storage area for inbound X12 and EDIFACT interchanges that have been processed by the respective deenveloping service, but still need to be sequence checked before being accepted. Services, such as the X12 Deenvelope service, perform all required compliance checks except for the sequence check, and puts the inbound interchange in a sequence check queue. After a service such as the X12 Deenvelope service completes, the EDI Post Processor service runs and picks up all interchanges from the sequence check queue. It performs the sequence check, generates any acknowledgements that are necessary, and invokes the specified business processes to handle each document.

Note: If EDI data is received with a control number that contains non-numeric characters, an exception will occur while processing the data. Non-numeric characters in EDI control numbers are not supported. The invalid control number causes a parsing exception.

Caution: To preserve sequence checking in EDIFACT documents, you must use a different global control number for each envelope in a document. This allows multiple threads to process correctly without incrementing the global control number out of sequence. System generated global control numbers are not affected.

Transaction Register

During translation, a translation error is returned when duplicate data is identified. You can use the transaction register to check for duplicate data, such as duplicate document reference numbers. Checking for duplicate data is invoked during translation by including the Transaction Register Update and Select standard rules in your translation map.

Caution: To preserve sequence checking in EDIFACT documents, you must use a different global control number for each envelope in a document. This allows multiple threads to process correctly without incrementing the global control number out of sequence. System generated global control numbers are not affected.

Creating a New Envelope

To create a new envelope:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Under Create, next to New Envelope, click **Go!**
3. On the Envelope Standards page, select one of the following and click **Next**:

- ◆ ACH
- ◆ CHIPS
- ◆ CII
- ◆ EDIFACT
- ◆ FEDWIRE
- ◆ RND
- ◆ SWIFT
- ◆ TRADACOMS
- ◆ VDA
- ◆ ASC X12

Note: To create an envelope using the ODETTE or AUTACK standard, select EDIFACT.

4. Select the level of envelope you want to create, including inbound or outbound, and click **Next**.
5. Do one of the following:
 - ◆ To create this envelope from a base envelope, select the Base envelope from the Select Envelope list, and click **Next**.
Note: All the properties are pre-filled but you can update them as needed.
 - ◆ To create a new envelope, select the Not Applicable from the Select Envelope list, and click **Next**.
6. On the Name page, type a unique name for the envelope, and a description or comments, then click **Next**.
7. Complete the properties for the envelope as necessary and click **Next** after each page until you reach the confirm page. Required fields are highlighted in blue.
8. Click **Finish** to add the envelope.
9. Click **Return** to continue.

Importing and Exporting Envelopes

The Import/Export feature enables you to save time and increase the accuracy of duplicating resources on different systems. This feature enables you to move resources and data between application environments of the same version. The Import/Export feature enables you to:

- ◆ Move from a test application environment to a production application environment.

- ◆ Move resources from one application system to another.

The ability to import and export envelopes means that you can configure resources on one system and then move or copy them to a different system, thereby avoiding having to recreate the resources on each system. Even if you have resources that are going to be slightly different from one system to another, you can export the resources from one system and import them to a different system, and then make the necessary changes to the resource on the second system.

The Import/Export feature supports several different resource types, including envelopes.

Note: Importing an export file of envelopes always requires a passphrase, even if a passphrase was not required during the export. The passphrase is now required because of the addition of encrypted passwords that apply to some envelopes. When you are prompted for a passphrase for envelopes during the import of envelopes (when you did not use a passphrase when the envelopes were exported), you can supply any value for the passphrase.

Searching for an Envelope

To search for an envelope:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. In the Document Envelopes page, specify any combination of the following search criteria, and then click **Go!**
 - ◆ Search Envelope Name – Display envelopes with names that contain the specified character or string.
 - ◆ Receiver ID – Display an envelope that contains the specified Receiver ID.
 - ◆ Sender ID – Display an envelope that contains the specified Sender ID.
 - ◆ Type – Display all inbound or outbound envelopes.
 - ◆ Envelope Standard – Display all envelopes that use a specific standard, including ACH, CII, EDIFACT, TRADACOMS, RND, SWIFT, VDA, CHIPS, FEDWIRE, or ASC X12.

The Document Envelopes page opens, listing the envelopes instances that match your search criteria.

Searching for Related Envelopes

To search for related envelopes:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Find the envelope using the Search or List function.
3. In the Document Envelopes page, next to the envelope for which you want to view related envelopes, click **version manager**.
4. In the Envelope Version Manager page, next to the envelope and under Related, click the icon.
5. In the Related Type dialog box, specify one of the following types of information and then click **Go!**
 - ◆ Base
 - ◆ Derived
 - ◆ Inner
 - ◆ Outer
6. You may get a list of related envelopes or you may get the following message:
 - ◆ No related envelopes satisfy your search criteria. Please try again.

Viewing Document or Envelope Details

To view document or envelope details:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > EDI Sequence Check Queue**.
2. Do one of the following:
 - ◆ In the Document ID column, click the ID number of the document you want to view details for.
 - ◆ In the Envelope Name column, click the name of the envelope you want to view details for.

Copying an Envelope

To copy an envelope:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Find the envelope using the Search or List function.
3. In the list of envelopes, click **Copy** for the envelope that you want to copy.
4. Change the envelope name and description and click **Next**. Each envelope must have a unique name.
5. Change envelope properties and settings as necessary, clicking **Next** to continue to each following page.
6. Click **Finish** to update and save the envelope.
7. Click **Return** to continue.

Updating Envelope Properties

To update envelope properties:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Find the envelope using the Search or List function.
3. From the list of envelopes, click **source manager** next to the envelope you want to update.
4. Click **edit** next to the envelope you want to update.
5. Update envelope properties and settings as necessary, clicking **Next** to continue.
6. Click **Finish** to update the envelope.
7. Click **Return** to continue.

Deleting an Envelope

Caution: Before deleting a base envelope, consider the impact on all related envelopes (ones that inherited the base envelope properties).

To delete an individual envelope or all versions of an envelope:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Find the envelope using the Search or List function.
3. Next to the envelope you want to delete, click **source manager**.
4. In Envelope Source Manager page, do one of the following

To delete an individual envelope:

- ◆ Next to the version, under Delete, select the check box.
- ◆ Next to Delete Selected Versions, click **Go!**

To delete all versions of this envelope, next to Delete All Versions, click **Go!**

Specifying a Default Envelope

To specify a default envelope:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Find the envelope using the Search or List function.
3. Next to the envelope you want to make the default, click **version manager**.
4. To make an envelope the default, select the **default** button.

Note: A selected button indicates the envelope is the default. The previously selected default is cleared.

5. Click **Save** to update the default version.

Creating a Global Control Number

To create a global control number:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Numbers**.
2. Next to New Control Number, click **Go!**
3. In the Number Data page, complete the following fields and click **Next**:

Field	Description
Name	Name of the control number. Required.
Number Value	Number value of the control number. Use a number greater than zero. Required.
Sender ID	Coded identifier of the company or division sending the control number. Valid value is 12 standard characters. Required.
Receiver ID	Coded identifier of the company or division receiving the control number. Valid value is 12 standard characters. Required.

4. Click **Finish** to add the control number.
5. Click **Return** to continue.

Searching for Global Control Numbers

To search for a global control number:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Numbers**.
2. In the Search area of the Control Numbers page, specify all or part of a sender ID or receiver ID and click **Go!**
3. A list of control numbers that match your search criteria is displayed.

Updating a Global Control Number

To update a global control number:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Numbers**.
2. In the Search area of the Control Numbers page, specify all or part or none of a sender ID or receiver ID and click **Go!**

A list of control numbers that match your search criteria is displayed.

3. Click **edit** next to the control number you want to edit.
4. In the Number Data page, edit the value in the **Number Value** field and click **Next**.
5. Click **Finish** to update the control number data.
6. Click **Return** to continue.

Correcting an Invalid Global Control Number

To correct an invalid global control number:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Numbers**.
2. In the Search area of the Control Numbers page, specify all or part of a sender ID or receiver ID, or in the List area, specify the first letter of the global number and click **Go!**
3. A list of control numbers that match your search criteria is displayed. Select **edit** for the control number you want to update.
4. Update the **number value**.
5. Click **Next**.
6. Click **Finish**.
7. Click **Return** to continue.

Deleting a Global Control Number

To delete a global control number:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Numbers**.
2. In the Search area of the Control Numbers page, specify all or part or none of a sender ID or receiver ID, and then click **Go!**
A list of control numbers that match your search criteria is displayed.
3. Click **delete** next to the control number you want to delete.
4. When prompted, click **OK** to delete the control number.
5. In the Resource Summary page, review your deletion, and then click **Next**.
6. In the Confirm page, any envelopes associated with this control number are displayed. Click **Delete**.
7. Click **Finish** to confirm.
8. Click **Update** to continue.

Viewing Local or Global Control Number History

To view local or global control number history:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Control Number History**.
2. Do one of the following:
 - ◆ In the Search by Envelope Name area, type an envelope name and click **Go!**
 - ◆ In the Search by Global Control Number area, type a global control number and click **Go!**

Searching for Transaction Register Records

To search for transaction register records:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Transaction Register**.
2. In the Search area, type a value in Field 1 through Field 6 to narrow your search and click **Go!**

Deleting Transaction Register Records

To delete (purge) transaction register records:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Transaction Register**.
2. In the Search area, type a value in Field 1 through Field 6 to narrow your search and click **Go!**
3. Delete duplicate records as needed.

Setting the Number of Days Information is Retained in Transaction Register

The application supports the use of a customer override (edit) property file to override default property settings in the property files. The customer override property file is not changed during installation of the application or application upgrades or patches. To prevent having your customized settings overwritten, use overrides whenever possible rather than editing the actual property file.

If you have made changes to the property file, either directly or by editing the associated .in files in a previous version, your changes may be overwritten when a patch is applied. To prevent this, create a customer_overrides.properties file and reapply your modifications using overrides to the applicable property files in the customer_overrides.properties file.

To set the number of days that information is retained in Transaction Register:

Note: This changes the retention period for all Transaction Register entries, not just the e-Invoice Compliance Solution entries.

1. Create a **customer_overrides.properties** file.
2. Add the following line to the customer_overrides.properties file:

```
translator.mapper.maximumTransactionRegisterAge=[number_of_days_to_retain_info  
]
```

In this example, **translator** represents the translator.properties file where the original property is set, **mapper** represents the Map Editor user interface, **maximumTransactionRegisterAge** represents the number of days that the Transaction Register will retain information before being purged, and **[number_of_days_to_retain_info]** is the actual number of days (for example, if you set this parameter equal to 30, the information is retained for 30 days).

Viewing Gentran:Server for UNIX Envelopes In the Application

Note: You must have Attunity Data Connect[®] installed in order to view Gentran:Server for UNIX envelopes within the application. You must also have configured the application for trading profile view support with the configGSUnix.sh script.

To search for Gentran:Server for UNIX document envelopes:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > Envelopes**.
2. Select **GENTRAN:Server for UNIX** from the list of providers.

Note: If this option is not available, you have not yet configured the application for trading profile view support.

3. Find the appropriate envelope using the Search or List function.

To search for Gentran:Server for UNIX interchange and group organization records:

1. From the **Trading Partner** menu, select **Document Envelopes > Control Numbers**.
2. Select **GENTRAN:Server for UNIX** from the list of providers.

Note: If this option is not available, you have not yet configured the application for trading profile view support.

3. Find the appropriate record using the Search or List function.

Checking the Queue for the EDI Sequence

The EDI Sequence Check Queue page allows you to view the current status of the EDI sequence check queue and to delete entries as necessary.

Note: If you modify an envelope to disable sequence checking or duplicate options after the options were previously enabled, you must delete the entries in the EDI Sequence Check Queue.

To check queue for EDI Sequencing events and delete entries as necessary:

1. From the **Administration** menu, select **Trading Partner > Document Envelopes > EDI Sequence Check Queue**.
2. Do one of the following:
 - ◆ In the Document ID column, click the ID number of the document for which you want to view details.
 - ◆ In the Envelope Name column, click the name of the envelope for which you want to view details.

Note: When viewing entries in the EDI Sequence Check Queue, the envelope link always shows the current default version of the envelope. This version may be different than the version that was used during deenveloping (by the appropriate deenveloping service) if the envelope was modified after the document was placed on the queue.

3. If you want to delete specific entries, select the entries to be deleted and click **Go!** next to **Delete Selected Items**.
4. To delete all entries in the EDI Sequence Check Queue, click **Go!** next to **Delete All Items**. This action deletes all the items returned, not just the items displayed on the current page.

Introduction to Envelope Properties

Each envelope type has a specific properties page for the envelope and other pages that enable you to specify additional requirements for the envelope. Properties for the following envelopes can be found in this documentation:

Note: For descriptions of fields not listed in the associated tables, see the appropriate standards documentation. For description of envelopes and their associated parameters not listed below (ASC X12, ACH, EDIFACT, VDA, SWIFT, CHIPS, FEDWIRE, and RND), please see the appropriate Sterling Standards Library documentation.

- ◆ CII Inbound Envelope Properties
- ◆ CII Outbound Envelope Properties
- ◆ TRADACOMS Inbound STX END Envelope Properties
- ◆ TRADACOMS Outbound STX END Envelope Properties
- ◆ TRADACOMS Outbound MHD MTR Envelope Properties

CII Inbound Envelope Properties

The following table describes CII inbound envelope properties for the Message Group Header:

Field	Description
Sender Code	Coded name of the company or division sending the message group. Valid value is 12 standard characters. Required.
Receiver Code	Coded name of the company or division receiving the message group. Valid value is 12 standard characters. Required.
Organization Code	Coded name of the organization within a company or division receiving the message group. Valid value is four standard characters. Required.
Sub Organization Code	Coded name of the suborganization within a company or division receiving the message group. Valid value is two standard characters. Required.
Edition	Edition equates to the version number of the standard message number of the standard message. Valid value is two standard characters. Required.
Information ID Code	Type of the standard message. Valid value is four standard characters. Required.
Operation mode setting	Mode of operation as test mode or production (normal) mode. Required. Valid values are: <ul style="list-style-type: none">◆ Test◆ Production (default)
Eight Bit Character Encoding	Information interchange referred to in this CII syntax rule; encoding type of the 1-byte character set. Optional. Valid values are: <ul style="list-style-type: none">◆ Default Encoding of Platform◆ JIS0201 (JIS X 0201, Japanese) - default◆ SJIS (Shift-JIS, Japanese)◆ Other
Sixteen Bit Character Encoding	Information interchange referred to in this CII syntax rule; encoding type of the 2-byte character set. Optional. Valid values are: <ul style="list-style-type: none">◆ Default Encoding of Platform◆ JIS0208 (JIS X 0208, Japanese) - default◆ JIS0212 (JIS X 0212, Japanese)◆ SJIS (Shift-JIS, Japanese)◆ Other
Generate a Receiving Acknowledgement Message	Generate an acknowledgement that notifies the sender that the receiver has received an interpretable transaction message. Valid values are Yes (default) and No. Required.

Field	Description
Compliance Check Document	Check the transaction set body for compliance. Valid values are Yes (default) and No. Required.
Compliance Check Map Name	Which map to use to perform a compliance check. Select the map from the list of maps already checked in. Required if Compliance Check Document is set to Yes.
Translate transactions	Generate transactions according to the standard format from data groups in an EDI system and carry out reverse processing. By choosing to translate documents from within the envelope, you can reduce document processing time because you do not need to specify a separate Translation service step in the business process. Required. Valid values are Yes and No (default).
Handling of Non-Compliant Message Groups	Process to follow when non-compliant message groups are encountered. Required. Valid values are: <ul style="list-style-type: none"> ◆ Accept ◆ Reject (default) ◆ Accept compliant transactions, reject non-compliant transactions
Business Process for Non-Compliant Documents	Business process that should run when non-compliant documents are encountered. Optional.
Batch messages received within a message group into one output document.	Send received batch messages into one output document. If you select No, instructs the application to output each message to a separate document. Valid values are Yes (default) and No. The default is to output each message to a separate document. Required.
Determine the Business Process by	Select a business process that should run with extracted CII messages as the primary document. Required. Valid values are: <ul style="list-style-type: none"> ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process
For each document	As specified in the Determine the Business Process. Required. Valid values are: <ul style="list-style-type: none"> ◆ Invoke the business process ◆ Set the business process name in the process data
Business Process List	Select a business process to run when this envelope is processed. Optional.
Contract List	Select a previously created contract to associate with this envelope. Optional.
Extraction Options	Required. Valid values are: <ul style="list-style-type: none"> ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
Data Extraction Directory	Directory for data extraction. Optional.
Data Extraction Filename	Filename for data extraction. Optional.

Field	Description
Data Extraction Mailbox	Mailbox for data extraction. Required.
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.

CII Outbound Envelope Properties

The following table describes CII outbound (message group header) envelope properties for the Message Group Header:

Field	Description
Sender Stationed VAN Code	Coded name for the value-added network (VAN) of the company or division sending the message group. Valid value is 12 standard characters. Optional.
Sending Center Code	Computer center sending the message group. Valid value is an alphanumeric code with 12 standard characters. Optional.
Sender Code	Coded name of the company or division sending the message group. Valid value is 12 standard characters. Required.
Receiver Stationed VAN Code	Coded name for the VAN of the company or division receiving the message group. Valid value is 12 standard characters. Optional.
Receiving Center Code	Agency controlling the computer center receiving the message group. Valid value is an alphanumeric code with 12 standard characters. Optional.
Receiver Code	Coded name of the company or division receiving the message group. Valid value is 12 standard characters. Required.
Organization Code	Coded name of the organization within a company or division receiving the message group. Valid value is four standard characters. Required.
Sub Organization Code	Coded name of the suborganization within a company or division receiving the message group. Valid value is two standard characters. Required.
Edition	Edition number of the standard message. Valid value is two standard characters. Required.
Information ID Code	Type of the standard message. Valid value is four standard characters. Required.
Syntax ID and Version Number	Coded identifier of syntax rules and the version number. Valid value is six standard characters. Required.
Extended mode setting	Mode to indicate whether the length of a variable length data element in the TFD (transfer form data element) should be compressed or extended if the condition determined according to the data type is satisfied. Required. Valid values are: <ul style="list-style-type: none">◆ Compressed mode (default)◆ Extended mode
Operation mode setting	Mode to indicate this operation as test mode or production (normal) mode. Required. Valid values are: <ul style="list-style-type: none">◆ Test◆ Production (default)

Field	Description
Dividing mode setting	Mode to indicate message groups are stored in a variable length record file. Required. Valid values are: <ul style="list-style-type: none"> ◆ Dividing mode ◆ Non-dividing mode (default)
Eight Bit Character Encoding	Information interchange referred to in this CII syntax rule; encoding type of the 1-byte character set. Optional. Valid values are: <ul style="list-style-type: none"> ◆ Default Encoding of Platform ◆ JIS0201 (JIS X 0201, Japanese) - default ◆ SJIS (Shift-JIS, Japanese) ◆ Other
Sixteen Bit Character Encoding	Information interchange referred to in this CII syntax rule; encoding type of the 2-byte character set. Optional. Valid values are: <ul style="list-style-type: none"> ◆ Default Encoding of Platform ◆ JIS0208 (JIS X 0208, Japanese) - default ◆ JIS0212 (JIS X 0212, Japanese) ◆ SJIS (Shift-JIS, Japanese) ◆ Other
Acceptor Lookup Alias	Identifying string used with the sender ID and the receiver ID to look up this envelope with the EDI Encoder service. This alias associates a document with the service it requires. Valid value must be at least one limited standard character. Required.
Map Name	Select the map to be used to perform a compliance check. The map must already be checked in. Required.
Validate translation input	Enables input-side validation to be turned off. Valid values are Yes (default) and No. Required.
Validate translation output	Enables output-side validation to be turned off. Valid values are Yes (default) and No. Required.
Generate checksums	Check and generate sums of specified TFDs (that is, TFD containing a user data tag and control data tag), consecutively. Required. Valid values are Yes and No (default).
Checksum TFD 1	Transfer form data (TFD) tag of first checksum. Valid value must be at least one numeric character. Optional. Note: Only displayed if you select Yes for Generate Checksums .
Checksum TFD 2	TFD tag of second checksum. Valid value must be at least one numeric character. Optional. Note: Only displayed if you select Yes for Generate Checksums .

Field	Description
Expect an Acknowledgement for this Message Group	Whether you expect an acknowledgement that the receiver has received an interpretable message group. Valid values are Yes (default) and No. Required.
Acknowledgement overdue after (hours)	Amount of time, in hours, within which you must receive an acknowledgement. Valid value is four numeric characters. Optional.
Acknowledgement overdue after (minutes)	Amount of time, in minutes, within which you must receive an acknowledgement. Valid value is four numeric characters. Required.
Determine the Business Process by	Select a business process that should run with extracted CII messages as the primary document. Required. Valid values are: <ul style="list-style-type: none"> ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process
Business Process List	Select a business process to run when this envelope is processed.
Contract List	Select a previously created contract to associate with this envelope. Optional.
Extraction Options	Required. Valid values are: <ul style="list-style-type: none"> ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
Data Extraction Directory	Directory for data extraction. Optional.
Data Extraction Filename	Filename for data extraction. Optional.
Data Extraction Mailbox	Mailbox for data extraction. Required.
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.

TRADACOMS Inbound STX END Envelope Properties

The following table describes TRADACOMS inbound STX END envelope properties:

Field	Description
Business Process List	Select a business process to run when this envelope is processed. Optional.
Compliance Check Document	Check the transaction set body for compliance. Valid values are Yes and No. Required.
Compliance Check Map Name	Select map used to apply TRADACOMS interchange headers. Optional.
Contract List	Select a previously created contract to associate with this envelope. Optional.
Data Extraction Directory	Directory for data extraction. Optional.
Data Extraction Filename	Filename for data extraction. Optional.
Data Extraction Mailbox	Mailbox for data extraction. Required.
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.
Determine the Business Process by	Required. Valid values are: <ul style="list-style-type: none"> ◆ Specifying a contract ◆ Specifying a business process
Extraction Options	Required. Valid values are: <ul style="list-style-type: none"> ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
FROM Sender Name	Code identifies the company or division sending the transmission. Valid value is 12 standard characters. Required.
Maximum age of Control Number History Records in days	Maximum days to retain a history of control numbers to use for duplication determinations. Valid value is nine standard characters. Optional.
MHD TYPE Message Type of Header Message	Transaction message type as determined by the information type in the header of the message group, which includes the message or by the information type in the transaction message. Valid value is six standard characters. Required.
Perform Duplicate Control Number Checking	Determine control number duplications. Valid values are Yes and No. Required.
Translate transactions	Generate transactions according to the standard format from data groups in an EDI system and carry out reverse processing. By choosing to translate documents from within the envelope, you can reduce document processing time because you do not need to specify a separate Translation service step in the business process. Valid values are Yes and No. Required.
UNTO Receiver Code	Code identifies the company or division receiving the transmission. Valid value is 12 standard characters. Required.

TRADACOMS Outbound STX END Envelope Properties

The following table describes TRADACOMS outbound STX END envelope properties:

Field	Description
STDS Syntax Rules ID	Coded TRADACOMS identifier of syntax rules. Valid value is four standard characters. Typically, this value is ANA. Required.
STDS Syntax Version	Version number of TRADACOMS syntax rules. Typically, this value is 1. Valid value is one limited standard character. Required.
FROM Sender Code	Code identifies the transmission sender. Valid value is 12 standard characters. Required.
FROM Sender Name	Name identifies the transmission sender. Optional.
UNTO Receiver Code	Coded identifier the transmission receiver. Valid value is 12 standard characters. Required.
UNTO Receiver Name	Name identifying the transmission receiver. Valid value is 12 standard characters. Optional.
Use global control number for SNRF Sender Reference	Whether this envelope definition must use a global control number to uniquely identify transmissions. No indicates that the envelope definition must use its own global SNRF Sender Reference number. Valid values are Yes (default) and No. Required.
RCRF Receiver Reference	Transmission reference ID of the receiver. Optional.
APRF Application Reference	TRADACOMS application reference ID for this transmission. Optional.
PRCD Transmission Priority	TRADACOMS transmission priority code. Valid value is one limited numeric character. Optional.
SNRF Sender Reference	Key used for referencing this SNRF sender. Valid value is 14 standard characters. Required.

Field	Description
Limit Interchange Size	<p>Maximum size allowed for an interchange before a single interchange is split into multiple interchanges that are each under the maximum size limitation.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> ◆ No ◆ Use smallest transaction limit (default) <p>Note: The Use smallest transaction limit setting is specific to the limitation imposed by the standard.</p> <ul style="list-style-type: none"> ◆ Specify size limit ◆ Use global default in enveloping.properties <p>Required.</p> <p>Note: If you select Use transaction set default in enveloping.properties, you need to specify the size limit directly (in the Maximum Interchange Size parameter) or by setting properties in the enveloping.properties property file, which contains a property for each supported standard and more specific properties for each message type (for example, ANA for the TRADACOMS standard) that can override the standard property.</p>
Invoke Business Process for Each Interchange	<p>Whether a business process is invoked for each interchange generated. Valid values are Yes and No (default). Required.</p> <p>Note: If Invoke Business Process for Each Interchange is set to No, the service places the name of the business process specified in the envelope into process data using the key WFD_NAME. This business process is then invoked by the Invoke Business Process Service. If Invoke Business Process For Each Interchange is set to Yes, the service directly bootstraps an instance of the business process specified in the envelope, and does not set WFD_NAME in process data.</p>
Maximum Interchange Size	<p>Specify the maximum size of each individual interchange. Required.</p> <p>Note: Only displayed if you selected Specify size limit for the Limit Interchange Size parameter. If you choose to specify a maximum value, the value you specify is checked to make sure it is at least 354 bytes based on the header and trailer size for TRADACOMS standard.</p>
Encode Document	<p>Character encoding for the document. Valid values are Yes and No. Required.</p>
Stream Segments	<p>Insert an end-of-line character after each segment record. Valid values are Yes and No. Required.</p>
Encoding	<p>Type of character encoding for the message group that includes this header. Optional.</p>
Determine the Business Process by	<p>Required. Valid values are:</p> <ul style="list-style-type: none"> ◆ Specifying a contract ◆ Specifying a business process
Business Process List	<p>Select a business process to run when this envelope is processed. Optional.</p>

Field	Description
Contract List	Select a previously created contract to associate with this envelope. Optional.
Extraction Options	Required. Valid values are: <ul style="list-style-type: none">◆ Determined by a business process◆ Extract to a file system directory◆ Extract to a mailbox
Data Extraction Directory	Directory for data extraction. Optional.
Data Extraction Filename	Filename for data extraction. Optional.
Data Extraction Mailbox	Mailbox for data extraction. Required.
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.

TRADACOMS Outbound MHD MTR Envelope Properties

The following table describes TRADACOMS outbound MHD MTR envelope properties:

Field	Description
Next Envelope	Envelope to apply after this envelope. Optional.
Create Next Envelope	Adds Interchange level envelope to use as next envelope. Optional.
MHD TYPE Message Type of Header Message	Message type of the TRADACOMS header message. For example, INVFIL or ORDHDR. Valid value is six standard characters. Required.
FROM Sender Code	Coded identifier of the transmission sender. Valid value is 14 standard characters. Required.
UNTO Receiver Code	Coded identifier of the transmission receiver. Valid value is 14 standard characters. Required.
TCDE Transaction Code	Coded identifier of the TRADACOMS transaction code. Valid value is four standard characters. Required.
TTYP Transaction Type	TRADACOMS transaction type. Valid value is 12 standard characters. Optional.
SIDN Supplier's EAN Location Number	EAN location number of the supplier. Optional.
SIDN Supplier's Identity Allocated by Customer	ID assigned to the supplier by the customer. Optional.
SNAM Supplier's Name	Name of supplier. Optional.
SADD Supplier's Address Line 1	Address of the supplier. Optional.
SADD Supplier's Address Line 2	Additional address of the supplier. Optional.
SADD Supplier's Address Line 3	Additional address of the supplier. Optional.
SADD Supplier's Address Line 4	Additional address of the supplier. Optional.
SADD Supplier's Post Code	Postal code of the supplier. Optional.
VATN Supplier's Alphanumeric VAT Registration Number	VAT registration alphanumeric code of the customer. Optional.
VATN Supplier's Numeric VAT Registration Number	VAT registration numeric code of the customer. Optional.
CIDN Customer's EAN Location Number	EAN location number of the customer. Optional.
CIDN Customer's Identity Allocated by Supplier	ID assigned to the customer by the supplier. Optional.
CNAM Customer's Name	Name of the customer. Optional.
CADD Customer's Address Line 1	Address of the customer. Optional.
CADD Customer's Address Line 2	Additional address of the customer. Optional.

Field	Description
CADD Customer's Address Line 3	Additional address of the customer. Optional.
CADD Customer's Address Line 4	Additional address of the customer. Optional.
CADD Customer's Post Code	Postal code of the customer. Optional.
VATR Customer's Alphanumeric VAT Registration Number	VAT registration alphanumeric code of the supplier. Optional.
VATR Customer's Numeric VAT Registration Number	VAT registration numeric code of the supplier. Optional.
Bank Identity Code	Service bank's own identity code. Optional.
Bank Name	Service bank/third party bank name. Optional.
Service Code	Name of service as allocated by the service bank. Optional.
User Code	Customer's user number as allocated by the bank. Optional.
Bank Information	Customer to bank information (such as, F/X Deal Number). Optional.
Currency Indicator	Type of currency, three character code such as, USD, EUR, etc. Optional.
FLGN File Generation Number	Generated number assigned to the file. Valid value is four standard characters. Required.
INLO Invoice System EAN Location Number	EAN location number assigned to the invoicing system. Valid value is 13 standard characters. Optional.
INLO Invoice System Supplier's Own Code	Number assigned by the supplier to the invoicing system. Optional.
Map Name	Select the map to be used to perform a compliance check. The map must already be checked in. Required.
Validate translation input	Valid values are Yes (default) or No. Required.
Validate translation output	Valid values are Yes (default) or No. Required.
Enveloping Map Name	Map used to apply TRADACOMS interchange headers. Required.
Acceptor Lookup Alias	Identifying string used with the sender ID and the receiver ID to look up this envelope with the EDI Encoder service. This alias associates a document with the service it requires. Valid value must be at least one limited standard character. Required.

Field	Description
Limit Interchange Size	<p>Maximum size allowed for an interchange before a single interchange is split into multiple interchanges that are each under the maximum size limitation.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> ◆ No ◆ Specify size limit ◆ Use transaction set default in enveloping.properties (default) <p>Required.</p> <p>Note: If you select Use transaction set default in enveloping.properties, you need to specify the size limit directly (in the Maximum Interchange Size parameter) or by setting properties in the enveloping.properties property file, which contains a property for each supported standard and more specific properties for each message type (for example, ANA for the TRADACOMS standard) that can override the standard property.</p>
Maximum Interchange Size	<p>Specify the maximum size of each individual interchange. Required.</p> <p>Note: Only displayed if you selected Specify size limit for the Limit Interchange Size parameter. If you choose to specify a maximum value, the value you specify is checked to make sure it is at least 354 bytes based on the header and trailer size for TRADACOMS standard.</p>

enveloping.properties

Overview

Property files contain properties that control the operation of the application. By modifying the settings of these properties, you can customize the application, if necessary, to suit your business needs. Property files are located in the `install_dir/properties` directory and are usually named in the following manner: `filename.properties`. Some files have other suffixes including `.xml`, `.xsl`, `.cfg`, and `.ini`. Substitute the appropriate suffix for properties when needed in the instructions provided.

Caution: Since property files directly affect the operation of the application, please ensure that you fully understand the impact of property file changes. When changing configuration files, be sure that you have a complete backup of your system and have fully tested the changes in a test or development environment before moving the changes into production. For more information about working with any property file or property, please contact Sterling Commerce Customer Support.

Leading or trailing whitespace in property files will be respected by the application. This may cause a problem if the system is not expecting whitespace. When editing property files, be careful to trim leading and trailing whitespace before saving each file.

Overriding or Editing Property File Settings

The application supports the use of a customer override (edit) property file to override default property settings in the property files. The customer override property file is not changed during installation of the application upgrades or patches. To prevent having your customized settings overwritten, use overrides whenever possible rather than editing the property files.

If you have made changes to property files either directly or by editing the associated `.in` files in a previous version, your changes may be overwritten when a patch is applied. To prevent this, create a `customer_overrides.properties` file and reapply your modifications using overrides to the applicable property files in the `customer_overrides.properties` file.

For example, if you want to change the maximum size of interchange for ASC X12 in `enveloping.properties` to 100, you need to add the following line to the `customer_overrides.properties` file (and then this value can be overridden by setting the size directly in the envelope):

```
enveloping.enveloping.X12.MaxInterchangeSize=100
```

In this example, `enveloping` represents the `enveloping.properties` file, `enveloping.X12` represents the ASC X12 standard, and `MaxInterchangeSize` represents the property configuring maximum size allowed for interchanges.

Properties in the enveloping.properties File

The `enveloping.properties` file is used to set global configuration parameters for `enveloping`. These parameters include all the default setting for the `enveloping` user interface.

Note: This file should not be edited. Override property settings, if needed, using the customer_overrides.properties file. For detailed instructions on overriding property file settings, see the documentation for the customer_overrides.properties file.

Configuration Settings

The following table describes properties used to configure the enveloping.properties file in the application:

Property	Description
enveloping.[standard]	<p>Specifies the business process used to apply an envelope to one or more messages and then uses the envelope data to process and translate them.</p> <p>Examples</p> <pre>enveloping.X12=X12EnvelopeUnified enveloping.EDIFACT=EDIFACTEnvelopeUnified enveloping.CII=CIIEnvelope enveloping.TRADACOMS=TRADACOMSEnvelope enveloping.ACH=ACHEnvelope enveloping.VDA=VDAEnvelope enveloping.SWIFT=SWIFTEnvelope enveloping.RND=RNDEnvelope enveloping.CHIPS=CHIPSEnvelope enveloping.FEDWIRE=FedwireEnvelope</pre>
enveloping.inner.[standard]	<p>Defines the inner envelope types for the specified standard that uses generic enveloping.</p> <p>Examples</p> <pre>enveloping.inner.TRADACOMS=MHD MTR enveloping.inner.VDA=VDA enveloping.inner.SWIFT=FIN enveloping.inner.RND=RND enveloping.inner.CHIPS=CHIPS enveloping.inner.FEDWIRE=FEDWIRE</pre>
enveloping.outer.[standard]	<p>Defines the outer envelope types for the specified standard that uses generic enveloping.</p> <p>Examples</p> <pre>enveloping.outer.TRADACOMS=STX END enveloping.outer.SWIFT=SWIFT FIN COPY</pre>
enveloping.envelope_level.[standard]. [envelope_level]	<p>Defines the level of a generic envelope.</p> <p>Examples</p> <pre>enveloping.envelope_level.RND.RND=Interchange enveloping.envelope_level.SWIFT.FIN=Interchange enveloping.envelope_level.TRADACOMS.MHD MTR=Transaction enveloping.envelope_level.TRADACOMS.STX END=Interchange enveloping.envelope_level.VDA.VDA=Interchange enveloping.envelope_level.CHIPS.CHIPS=Interchange enveloping.envelope_level.FEDWIRE.FEDWIRE=Interchange</pre>

Property	Description
enveloping.out_required.[standard]	<p>Defines whether a standard using generic enveloping requires an outer envelope. Valid values are True and False (default).</p> <p>Example <code>enveloping.outer_required.TRADACOMS=TRUE</code></p>
deenveloping.support_swift_096	<p>Specifies whether FIN Copy is supported for deenveloping. Valid values are True (default) and False.</p>
enveloping.outbound_pd_values.[standard]	<p>Specifies outbound envelope values to put into process data before the translation map is invoked, so that the values are available for validation during translation.</p> <p>Example <code>enveloping.outbound_pd_values.SWIFT=SenderID,ReceiverID,ValidationFlag</code></p>
enveloping.verify_addresses_while_deenveloping.[standard]_INBOUND	<p>For standards that use generic enveloping, indicates that the Generic Deenvelope service should verify addresses in process data prior to running the deenvelope map. Valid values are False (default) and True.</p> <p>Note: Currently SWIFT Deenveloping map is the only map that may use this function, but the functionality is disabled by default.</p> <p>Example <code>enveloping.verify_addresses_while_deenveloping.SWIFT_FIN_INBOUND=TRUE</code></p>
enveloping.ack_processing_map.[standard]	<p>Defines the map that is executed after deenveloping, if it is determined that a message is an acknowledgement.</p> <p>Example <code>enveloping.ack_processing_map.SWIFT=SWIFT_FIN_ACK</code></p>
enveloping.ack_generation_map.[standard]	<p>Defines the map to use when generating an acknowledgement.</p> <p>Example <code>enveloping.ack_generation_map.SWIFT=SWIFT_FIN_UAK</code></p>
enveloping.inbound_filter_parameters.[standard]	<p>Specifies additional parameters to be used in the envelope to match, as part of the inbound envelope filter.</p> <p>Note: No parameters are currently used by default.</p> <p>Example <code>enveloping.inbound_filter_parameters.SWIFT=ValidationFlag</code></p>
enveloping.inbound_post_filter_parameters.[standard]	<p>Specifies additional parameters to be used in the envelope to match after the envelope filter is applied.</p> <p>Note: This property is used for backward compatibility when a new matching parameter is added, when envelopes exist that do not use the parameter.</p> <p>Example <code>enveloping.inbound_post_filter_parameters.SWIFT=ValidationFlag,EnvelopeFormat,\MessageFormat,APCOrFIN,ClosedUserGroup,SenderIDType,\ReceiverIDType,MessageCategory</code></p>

Property	Description
enveloping.inbound_post_filter_parameter_defaults.[standard]	<p>Specifies the default value to use for the envelope if a post-filter parameter is not defined.</p> <p>Example</p> <pre>enveloping.inbound_post_filter_parameter_defaults.SWIFT=*,FIN,\ *,*,*,*,*,Message</pre>
enveloping.correl_override_default.[standard]	<p>Defines whether a standard allows wildcard overrides on outbound envelopes. Valid values are: No, wildcardonly, or all.</p> <p>Note: If an entry does not exist in the properties file for a standard, it is assumed that the value is set to No.</p> <p>Examples</p> <pre>enveloping.correl_override_default.ACH=All enveloping.correl_override_default.CHIPS=No enveloping.correl_override_default.EDIFACT=All enveloping.correl_override_default.FEDWIRE=No enveloping.correl_override_default.RND=No enveloping.correl_override_default.SWIFT=No enveloping.correl_override_default.TRADACOMS=No enveloping.correl_override_default.VDA=No enveloping.correl_override_default.X12=All</pre>
enveloping.genctrlnumname.nameVariations.[standard].inner	<p>Specifies the total number of name variations to attempt when generating the control number name for standards using generic enveloping (that is, the total number of primary names and backup names that are specified in the user interface for the standard).</p> <p>Example</p> <pre>enveloping.genctrlnumname.nameVariations.SWIFT.inner=3</pre>
enveloping.genctrlnumname.component.[standard].inner	<p>Specifies the properties that are used to build the control number name. Allowable properties are: SenderID, SenderIDQual, ReceiverID, and ReceiverIDQual (all four parameters are pulled from the EDI state and work correctly with wildcards), and any envelope parameter.</p> <p>Note: In the enveloping user interface, the variable names must be set as the component name with the variation number appended; prepended by the type of name and an underscore. For example, genctrlnumname_SenderID1).</p> <p>Example</p> <pre>enveloping.genctrlnumname.component.SWIFT.inner=genctrlnumname_SenderID,genctrlnumname_SenderIDQual,genctrlnumname_ReceiverID,genctrlnumname_ReceiverIDQual,genctrlnumname_MessageFormat,genctrlnumname_BusinessArea,genctrlnumname_MessageType,genctrlnumname_ValidationFlag,genctrlnumname_Variant,genctrlnumname_Version</pre>

Property	Description
enveloping.genctrlnumname.appendComponents.[standard].inner	<p>Specifies the subset the components that appear at the end of the generated name (for example, Inbound or Outbound).</p> <p>Note: If a parameter is not specified for this property, the envelope type is appended by default.</p> <p>Example <code>enveloping.genctrlnumname.appendComponents.SWIFT.inner=genctrlnumname_EnvelopeFormat</code></p>
enveloping.genctrlnumname.optionalComponents.[standards].inner	<p>Specifies a comma-separated list of optional components.</p> <p>Example <code>enveloping.genctrlnumname.optionalComponents.SWIFT.inner=genctrlnumname_SenderID,genctrlnumname_SenderIDQual,genctrlnumname_ReceiverID,genctrlnumname_ReceiverIDQual,genctrlnumname_MessageFormat,genctrlnumname_BusinessArea,genctrlnumname_MessageType,genctrlnumname_ValidationFlag,genctrlnumname_Variant,genctrlnumname_Version,genctrlnumname_EnvelopeFormat</code></p>
enveloping.genmapname.namevariations.[standard].inner	<p>Defines dynamically generated names for the pre-enveloping translation map, including a count of the number of variations that the user interface allows.</p> <p>Example <code>enveloping.genmapname.nameVariations.SWIFT.inner=3 enveloping.genmapname.component.SWIFT.inner=genmapname_SenderID,genmapname_SenderIDQual,genmapname_ReceiverID,genmapname_ReceiverIDQual,genmapname_MessageFormat,genmapname_BusinessArea,genmapname_MessageType,genmapname_ValidationFlag,genmapname_Variant,genmapname_Version</code></p>
enveloping.genmapname.component.[standard].inner	<p>Defines dynamically generated names for the pre-enveloping translation map, including a list of components.</p> <p>Example <code>enveloping.genmapname.nameVariations.SWIFT.inner=3 enveloping.genmapname.component.SWIFT.inner=genmapname_SenderID,genmapname_SenderIDQual,genmapname_ReceiverID,genmapname_ReceiverIDQual,genmapname_MessageFormat,genmapname_BusinessArea,genmapname_MessageType,genmapname_ValidationFlag,genmapname_Variant,genmapname_Version</code></p>
enveloping.genmapname.appendComponents.[standard].inner	<p>Defines dynamically generated names for the pre-enveloping translation map, including a list of components that may be appended to build the name.</p> <p>Example <code>enveloping.genmapname.appendComponents.SWIFT.inner=genmapname_EnvelopeFormat</code></p>

Property	Description
enveloping.genmapname.optionalComponents.[standard].inner	<p>Defines dynamically generated names for the pre-enveloping translation map, including a list of optional components that may be used to build the name.</p> <p>Example</p> <pre>enveloping.genmapname.optionalComponents.SWIFT.inner=genmapname_SenderID,genmapname_SenderIDQual,genmapname_ReceiverID,genmapname_ReceiverIDQual,genmapname_MessageFormat,genmapname_BusinessArea,genmapname_MessageType,genmapname_ValidationFlag,genmapname_Variant,genmapname_Version,genmapname_EnvelopeFormat</pre>
enveloping.genbpname.namevariations.[standard].inner	<p>Defines dynamically generated names for the business process, including a count of the number of variations that the user interface allows.</p> <p>Example</p> <pre>enveloping.genbpname.nameVariations.SWIFT.inner=3</pre>
enveloping.genbpname.component.[standard].inner	<p>Defines dynamically generated names for the business process, including a list of components.</p> <p>Example</p> <pre>enveloping.genbpname.component.SWIFT.inner=genbpname_SenderID,genbpname_SenderIDQual,genbpname_ReceiverID,genbpname_ReceiverIDQual,genbpname_MessageFormat,genbpname_BusinessArea,genbpname_MessageType,genbpname_ValidationFlag,genbpname_Variant,genbpname_Version</pre>
enveloping.genbpname.appendComponents.[standard].inner	<p>Defines dynamically generated names for the business process, including a list of components that may be appended to build the name.</p> <p>Example</p> <pre>enveloping.genbpname.appendComponents.SWIFT.inner=genbpname_EnvelopeFormat</pre>
enveloping.genbpname.optionalComponents.[standard].inner	<p>Defines dynamically generated names for the business process, including a list of optional components that may be used to build the name.</p> <p>Example</p> <pre>enveloping.genbpname.optionalComponents.SWIFT.inner=genbpname_SenderID,genbpname_SenderIDQual,genbpname_ReceiverID,genbpname_ReceiverIDQual,genbpname_MessageFormat,genbpname_BusinessArea,genbpname_MessageType,genbpname_ValidationFlag,genbpname_Variant,genbpname_Version,genbpname_EnvelopeFormat</pre>
enveloping.generrorbpname.namevariations.[standard].inner	<p>Defines dynamically generated names for the error business process, including a count of the number of variations that the user interface allows.</p> <p>Example</p> <pre>enveloping.generrorbpname.nameVariations.SWIFT.inner=3</pre>

Property	Description
enveloping.generrorbpname.component. [standard].inner	<p>Defines dynamically generated names for the error business process, including a list of components.</p> <p>Example</p> <pre>enveloping.generrorbpname.component.SWIFT.inner=generrorbpname_SenderID,generrorbpname_SenderIDQual,generrorbpname_ReceiverID,generrorbpname_ReceiverIDQual,generrorbpname_MessageFormat,generrorbpname_BusinessArea,generrorbpname_MessageType,generrorbpname_ValidationFlag,generrorbpname_Variant,generrorbpname_Version</pre>
enveloping.generrorbpname.appendComponents. [standard].inner	<p>Defines dynamically generated names for the error business process, including a list of components that may be appended to build the name.</p> <p>Example</p> <pre>enveloping.generrorbpname.appendComponents.SWIFT.inner=generrorbpname_EnvelopeFormat</pre>
enveloping.generrorbpname.optionalComponents. [standard].inner	<p>Defines dynamically generated names for the error business process, including a list of optional components that may be used to build the name.</p> <p>Example</p> <pre>enveloping.generrorbpname.optionalComponents.SWIFT.inner=generrorbpname_SenderID,generrorbpname_SenderIDQual,generrorbpname_ReceiverID,generrorbpname_ReceiverIDQual,generrorbpname_MessageFormat,generrorbpname_BusinessArea,generrorbpname_MessageType,generrorbpname_ValidationFlag,generrorbpname_Variant,generrorbpname_Version,generrorbpname_EnvelopeFormat</pre>
enveloping.do.whitespace_processing. [SWIFT]	<p>Flag indicating if whitespace between EDI segments should be removed for a specified standard. Valid values are: True and False.</p> <p>Examples</p> <pre>enveloping.do_edi_whitespace_processing.SWIFT=FALSE enveloping.do_edi_whitespace_processing.TRADACOMS=TRUE enveloping.do_edi_whitespace_processing.VDA=FALSE enveloping.do_edi_whitespace_processing.RND=FALSE</pre>
deenveloping.[standard]. ErrorOn[ack]ReconcileFailure	<p>Flag indicating whether or not to error the Deenveloping service when acknowledgement reconciliation fails for a specified standard.</p> <p>Examples</p> <pre>deenveloping.X12.ErrorOn997ReconcileFailure=FALSE deenveloping.EDIFACT.ErrorOnCONTRLReconcileFailure=FALSE deenveloping.ACH.ErrorOnACKReconcileFailure=FALSE deenveloping.ErrorOnACKReconcileFailure=FALSE</pre>

Property	Description
enveloping.encode_by_outer_envelope_standards	<p>Indicates which standards use the outer envelope for EDI encoding (for batching purposes).</p> <p>Note: If a standard is added to this property, it must also be added to the use_new_key_convention property. The property value is a comma-separated list of standard names. Each standard in the list should also have a set of envelopes (by which to group) defined. If a document has the first type of group_by_envelope defined, it will be grouped based on that envelope. Otherwise, the second type of envelope will be checked, and so on.</p> <p>Examples</p> <pre>enveloping.encode_by_outer_envelope_standards=ACH, EDIFACT,X12</pre>
enveloping.group_by_envelope	<p>Indicates which envelope should be used to group documents for batching purposes.</p> <p>Note: If a document has the first type of group_by_envelope defined, it will be grouped based on that envelope. Otherwise, the second type of envelope will be checked, and so on.</p> <p>Examples</p> <pre>enveloping.group_by_envelope.ACH.1=ACH BATCH enveloping.group_by_envelope.X12.1=GS GE enveloping.group_by_envelope.EDIFACT.1=UNG UNE Syntax 4</pre>
enveloping.use_new_key_convention_standards	<p>Specifies a list of standards for which the multi-group key convention should be used (for example, DOC/GROUP-1_DOC1 instead of DOC/DOC-1). Standards in this list use the new key convention even if encoding by outer envelope is disabled for the enveloping.encode_by_outer_envelope_standards parameter.</p> <p>Example</p> <pre>enveloping.use_new_key_convention_standards=ACH,ED IFACT,X12</pre>
enveloping.[standard].MaxInterchangeSize	<p>Globally configures a size limit for transactions for the specified standard. This limit can be overridden by setting the maximum size directly in the envelope.</p> <p>Note: To set the size globally, remove the # before the standard for which you want to set the size, and set the maximum size after the equal sign.</p> <p>Example</p> <pre># enveloping.X12.MaxInterchangeSize=0 # enveloping.VDA.MaxInterchangeSize=0 # enveloping.EDIFACT.MaxInterchangeSize=0 # enveloping.TRADACOMS.MaxInterchangeSize=0</pre>

Property	Description
enveloping.[standard].[transaction].MaxInterchangeSize	<p>Globally configures a size limit for interchanges for the specified standard. This limit can be overridden by setting the maximum size directly in the envelope.</p> <p>Note: To set the size globally, remove the # before the standard/transaction for which you want to set the size, and set the maximum size after the equals sign.</p> <p>Examples</p> <pre># enveloping.X12.810.MaxInterchangeSize=0 # enveloping.X12.850.MaxInterchangeSize=0 # enveloping.EDIFACT.ORDERS.MaxInterchangeSize=0 # enveloping.TRADACOMS.INVOICES.MaxInterchangeSize=0</pre>
enveloping.interchange_override_correlations.[standard]	<p>List of correlations that override interchange envelope properties.</p> <p>Note: Documents must have the same values for all of these correlations to be placed in the same interchange. Always include EnvelopingInterchangeID in this list. If the standard allows for control number overrides, Out_InterchangeControlNumber should also be in this list.</p> <p>Example</p> <pre>enveloping.interchange_override_correlations.ACH=EnvelopingInterchangeID,Out_DestinationIdentification,\Out_OriginIdentification,Out_DestinationName,Out_OriginName,Out_ReferenceCode,Out_InterchangeControlNumber</pre>
enveloping.group_override_correlations.[standard]	<p>List of correlations that override group envelope properties.</p> <p>Note: Documents must have the same values for all of these correlations to be placed in the same group. Always include EnvelopingGroupID in this list. If the standard allows for control number overrides, Out_GroupControlNumber should also be in this list.</p> <p>Example</p> <pre>enveloping.group_override_correlations.ACH=EnvelopingGroupOrder,\Out_RDFI,Out_ODFI,Out_CompanyID,Out_DFIAccountNumber,Out_CompanyEntryDescription,\Out_CompanyName,Out_CompanyDescriptiveDate,Out_CompanyDiscretionaryData,\Out_DiscretionaryData,Out_TransactionCode,Out_IdentificationNumber,\Out_ReceivingCompanyIDNumber,Out_ForeignExchangeReference,Out_ISODestinationCountryCode,\Out_ISOOriginatingCurrencyCode,Out_ISODestinationCurrencyCode,Out_ACHOperatorData,\Out_RoutingNumberOfACHOperator,Out_ServiceClassCode,Out_EffectiveEntryDate,\Out_OriginatorStatusCode,Out_MessageAuthenticationCode,Out_ForeignExchangeIndicator,\Out_ForeignExchangeReferenceIndicator</pre>

Property	Description
enveloping.group_dependency_values.[standard].1	<p>List of parameter names that must be the same in a particular envelope for the documents to be grouped together. This is used, for example, when the group envelope uses values from the transaction envelope when building the output document.</p> <p>Note: The format is envelope type, parameter name, override correlation name (optional).</p> <p>Example <code>enveloping.group_dependency_values.EDIFACT.1=UNH UNT Syntax 4,MessageType,Out_MessageType</code></p>
enveloping.interchange_dependency_values.[standard].1	<p>List of parameter names that must be the same in a particular envelope for the documents to be placed in the same interchange. This is used, for example, when the interchange envelope uses values from the transaction envelope when building the output document.</p> <p>Note: The format is envelope type, parameter name, override correlation name (optional). For EDIFACT, documents cannot be grouped together unless they have the same security settings.</p> <p>Examples <code>enveloping.interchange_dependency_values.ACH.1=ACH BATCH,BatchingKey enveloping.interchange_dependency_values.EDIFACT.1 =UNG UNE Syntax 4,SecureGroupOutbound,Out_SecureGroupOutbound</code></p>
enveloping.docRepair.[standard]	<p>Flag indicating whether document repair is enabled. Valid values are: True or False.</p> <p>Note: Only supported for SWIFT standard.</p> <p>Example <code>enveloping.docRepair.SWIFT=true</code></p>
enveloping.docRepair.[standard].EDIT.mailto	<p>Specifies an e-mail address to which errors that occur on editing documents (during document repair) should be mailed.</p> <p>Note: Only supported for SWIFT standard.</p> <p>Example <code>enveloping.docRepair.SWIFT.EDIT.mailTo=&SI_ADMIN_M AIL_ADDR</code></p>
enveloping.docRepair.[standard].RESEND.mailto	<p>Specifies an mail address to which errors that occur on resending documents (during document repair) should be mailed.</p> <p>Note: Only supported for SWIFT standard.</p> <p>Example <code>enveloping.docRepair.SWIFT.RESEND.mailTo=&SI_ADMIN _MAIL_ADDR</code></p>
enveloping.SWIFT.nextversion	<p>For SWIFT only, specifies the next version for the patch/release.</p> <p>Example <code>enveloping.SWIFT.nextVersion=2006</code></p>

Property	Description
enveloping.SWIFT.nextversionStart	For SWIFT only, specifies the date (YYYYMMDD format) when the next version starts. Example enveloping.SWIFT.nextVersionStart=20061118
enveloping.SWIFT.currentversion	For SWIFT only, specifies the current version for the patch/release. Example enveloping.SWIFT.currentVersion=2005
enveloping.global.ui.maxControlNumberSize	Defines the default maximum control number size in the enveloping user interface. Example enveloping.global.ui.maxControlNumberSize=16
enveloping.maxTransactionControlNumberSize.[standard]	Defines the maximum size for transaction control numbers for the specified standard. Example enveloping.maxTransactionControlNumberSize.SWIFT=9999999999999999
enveloping.maxInterchangeControlNumberSize.[standard]	Defines the maximum size for interchange-level control numbers for the specified standard. Example enveloping.maxInterchangeControlNumberSize.SWIFT=9999999999999999
deenveloping.interchangetypes	Specifies the number of interchange types for deenveloping. Example deenveloping.interchangetypes=13
deenveloping.interchange.[standard]	Specifies the deenveloping interchanges for the indicated standard. Example deenveloping.interchange.X12=x-application/edi-x12;0;ISA;IEA;variable;3;105;0;X12DeenvelopeUnified
deenveloping.[standard]	Defines the deenveloping service used to deenvelope interchanges for the specified standard. Example deenveloping.CII=CIIDeenvelope
unpersistedStorageType	Storage type for unpersisted documents. Valid values are: FS (file system) or DB (database). Example unpersistedStorageType=FS
deenveloping.[standard].SequenceCheckRetryTimeout	Default period of time for retrying sequence checking. Example deenveloping.X12.SequenceCheckRetryTimeout=30
checkForBINSegment	For ASC X12 only, flag specifying whether to check for the BIN segment. Valid values are: True (default) and False. Example checkForBINSegment=true

Property	Description
replaceXMLChars	<p>For EDIFACT only, indicates the default characters to be replaced in XML.</p> <p>Example <code>replaceXMLChars=, !@#\$% ^&*+= () {} [] <> / ; :</code></p>
trimEnvelopeParms	<p>For JDBC Oracle databases only, whether to trim envelope parameters. Valid values are: True (default) and False.</p> <p>Example <code>trimEnvelopeParms=true</code></p>
deenveloping.ACH.IgnorePadRecords	<p>For ACH only, whether to ignore record padding. Valid values are: True and False (default).</p> <p>Example <code>deenveloping.ACH.IgnorePadRecords=false</code></p>
usePostProcessorBPLinks	<p>Whether to use post processor business process links. Valid values are: True and False (default).</p> <p>Example <code>usePostProcessorBPLinks=false</code></p>
EDIENVELOPE_MAX_LOCK_TIME	<p>Specifies the maximum amount of time that the EDI Enveloping service will hold a lock on an enveloping process. This parameter enables you to fine tune your EDI processing. You can set this parameter here to <code>envelope.properties.in</code>, and then use the same parameter here to override the properties file setting where necessary. The default value is 86400 seconds.</p> <p>This parameter is used in Deferred mode to avoid situations where enveloping service releases the lock before it is done processing a message-possibly due to slow response from the database. If there are concurrent EDI enveloping business processes running, an EDI Enveloping service in another business process could possibly retrieve the same message from the database and process it, which would result in duplicate outbound messages.</p> <p>Example <code>EDIENVELOPE_MAX_LOCK_TIME=86400</code></p>
EDIENVELOPE_LOCK_WAIT_TIME	<p>Specifies the maximum amount of time that the EDI Enveloping service will wait for a lock before returning an error and reporting failure to obtain the lock. The service would use this parameter value when another EDI Enveloping business process has the lock, which causes this EDI Enveloping service instance to have to wait for the lock. The default value is 86400 seconds. This parameter is used in Deferred mode only.</p> <p>Example <code>EDIENVELOPE_LOCK_WAIT_TIME=86000</code></p>
ensureCorrelationUpdate	<p>For database iSeries only, specifies whether to update correlations. Valid values are: Yes (default) and No.</p> <p>Example <code>ensureCorrelationUpdate=yes</code></p>
TRACKING_LEVEL	<p>Specifies the level of tracking that is retrieved for the envelope when it is processed. Full specifies to track all events for the envelope.</p>

Property	Description
requiredCorrelation.[correlation_number]	<p>Defines the correlations required by the generic enveloping, deferred enveloping, and acknowledgement generation functionality.</p> <p>Examples</p> <pre>requiredCorrelation.1=InterchangeAuthInfo requiredCorrelation.2=InterchangeAuthInfoQualifier requiredCorrelation.3=InterchangeReceiverIDQualifier requiredCorrelation.4=InterchangeSecAuthInfo</pre>
defaultHIPAAValidationLevel	<p>Defines the default HIPAA validation level.</p> <p>Example</p> <pre>defaultHIPAAValidationLevel=4</pre>
deenveloping.harness_hook_pd_values_interchange.[standard]	<p>For generic standards, specifies which values in process data (after the break map is executed) are passed on to the deenvelope data harness hook.</p> <p>Example</p> <pre>deenveloping.harness_hook_pd_values_interchange.RND=MessageType,MessageVersion,\InterchangeControlNumber,InterchangeDateTime,SenderID,ReceiverID,InternalTransmitterCode,\InternalReceiverCode,SenderName,ReceiverName,TestFlag,HeaderMessageType,Standard</pre>
encrypt.parameters	<p>List of envelope parameter names whose corresponding values # should be encrypted when stored in the database (for example, for password or encryption key values).</p> <p>Example</p> <pre>encrypt.parameters=KeyPart1,KeyPart2</pre>
deenveloping.MAX_INTERCHANGE_COUNT	<p>Specifies the maximum number of non-EDI Interchanges that can be processed in a file. The default is 500 and an error is generated when this value is exceeded.</p> <p>Example</p> <pre>deenveloping.MAX_INTERCHANGE_COUNT=500</pre>
document.lifespan	<p>Specifies the document lifespan (in minutes) when an acknowledgement for an EDI Outbound document is expected. The outbound workflow is not archived/purged until the value specified if the corresponding acknowledgement is not received. The default value corresponds to 30 days.</p> <p>Example</p> <pre>document.lifespan=30</pre>
runErrorBPonEnvelopeNotFound	<p>Specifies whether the Interchange Error business process will run when UNH envelope is not found. The default is false (the business process will not run).</p> <p>Example</p> <pre>runErrorBPonEnvelopeNotFound=false</pre>

B

base envelope 7

C

CII inbound envelopes properties 33

CII outbound message envelope properties 36

control number
 correct an invalid 25
 delete 26
 search 23
 update 24
 view history 27

control numbers 11

D

default envelope 7

E

EDI envelope 5

EDI Sequence
 check queue 31

envelope
 copy 18
 create 13
 delete 20
 edit 19
 search for 15
 search for related 16
 specify a default 21

G

Gentran:Server for Unix
 viewing document envelopes in the application 30

global control numbers 11

I

inbound envelopes 7

L

local control numbers 11

O

outbound envelopes 7

T

TRADACOM outbound STX END envelope
 properties 40

TRADACOMS inbound STX END envelope
 properties 39

TRADACOMS outbound MHD/MTR envelope
 properties 43

transaction register 12

transaction register records
 delete 29
 search 28

W

wildcards 8