Application

Using Envelopes and ASC X12, EDIFACT, CII, and TRADACOMS Envelope Properties

Standards Library Version 5.0

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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).

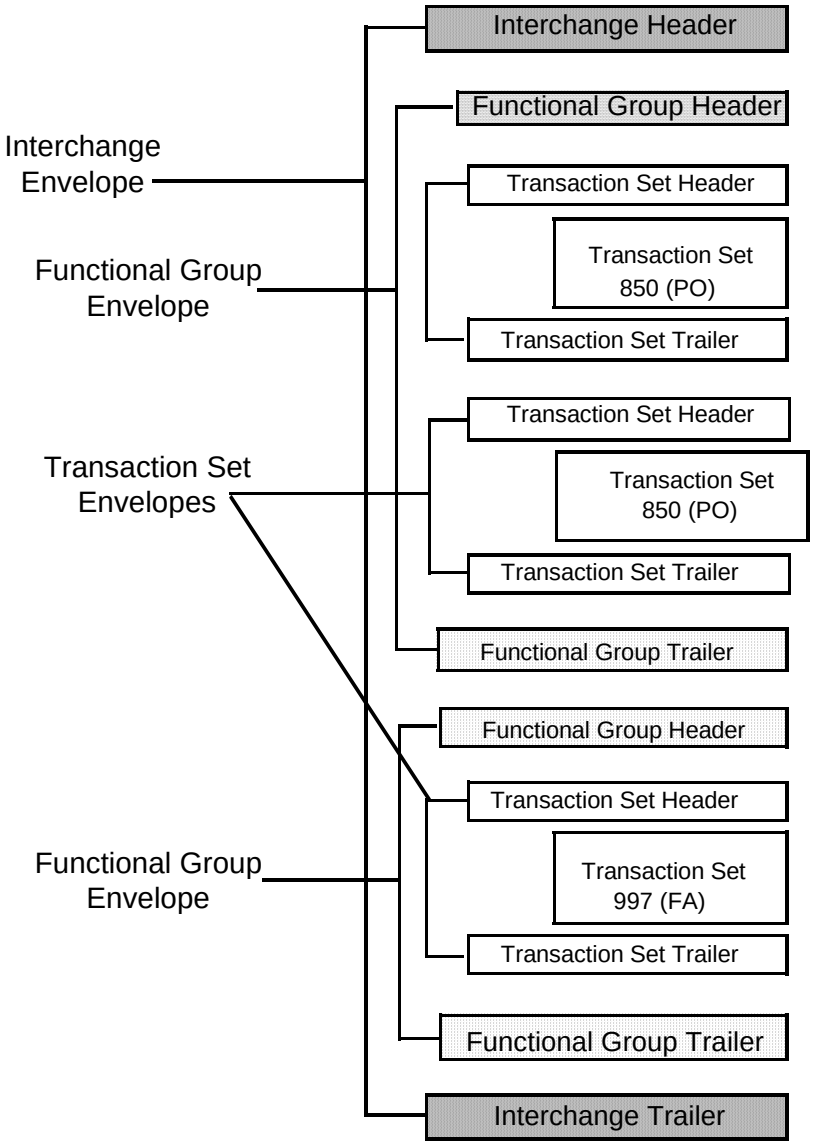
Envelope Structure

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, 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

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 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 Application. Each envelope is defined by its envelope properties. These predefined enveloping and deenveloping 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 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. 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.

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

Application uses *control numbers* to help keep track of transmitted data and to guarantee that the control code is unique. Application optionally checks for control number duplications. Application 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. 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 you 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.

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 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.

Viewing Gentran:Server for UNIX Envelopes In Application

Note: You must have Attunity Data Connect® installed in order to view Gentran:Server for UNIX envelopes within Application. You must also have configured 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 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 Application for trading profile view support.
3. Find the appropriate record using the Search or List function.

Checking the Queue for the EDI Sequence

To check queue for EDI Sequencing events:

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.

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 (ACH, VDA, SWIFT, CHIPS, FEDWIRE, and RND), please see the appropriate Application documentation.

- ASC X12 Inbound ISA IEA Envelope Properties, Interchange Level
- ASC X12 Inbound GS GE Envelope Properties, Group Level
- ASC X12 Inbound ST SE Envelope Properties, Transaction Level
- ASC X12 Outbound ISA IEA Envelope Properties, Interchange Level
- ASC X12 Outbound GS GE Envelope Properties, Group Level
- ASC X12 Outbound ST SE Envelope Properties, Transaction Level
- CII Inbound Envelope Properties
- CII Outbound Envelope Properties
- EDIFACT Inbound Syntax 4 UNG UNE Envelope Properties, Group Level
- EDIFACT Inbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level
- EDIFACT Inbound Syntax 4 UNH UNT Envelope Properties, Transaction Level
- EDIFACT Outbound Syntax 4 UNG UNE Envelope Properties, Group Level
- EDIFACT Outbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level
- EDIFACT Outbound Syntax 4 UNH UNT Envelope Properties, Transaction Level
- TRADACOMS Inbound STX END Envelope Properties
- TRADACOMS Outbound STX END Envelope Properties
- TRADACOMS Outbound MHD MTR Envelope Properties

ASC X12 Inbound ISA IEA Envelope Properties, Interchange Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes X12 inbound ISA IEA envelope properties at the interchange level:

Field	Description
Accepter Lookup Alias format for generated TA1s	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. Optional.
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
Generate an acknowledgement	Required. Valid values are: ◆ Always ◆ Only when requested by input ◆ Never
Global Interchange Control Number	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.

Field	Description
Handling of non-compliant Interchanges	Process to follow when non-compliant interchanges are encountered. Required. Valid values are: ◆ Accept ◆ Reject
If sequence or duplicate checking, EDI Post Processor should	How should the EDI Post Processor perform sequence and duplicate checking. When multiple interchanges for the same trading partner are processed in parallel, sub-processes for transactions will always be a direct child to the process that did the deenveloping. If the interchange is out of sequence, the post processor re-runs until the time-out is reached. Required. Valid values: ◆ Process all interchanges in the EDI Sequence Check Queue (recommended) ◆ Process only the current interchange
* Interchange Control Version Number	Interchange reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Local Interchange Control Number	Interchange control reference number used locally. Select a previously defined number to reference. Valid value is nine 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.
Perform Control Number Sequence Checking	Compare the sequence of control numbers in the data with the Control Number parameter for this envelope. Valid values are Yes and No. Required.
Perform Duplicate Control Number Checking	Determine control number duplications. Valid values are Yes and No. Required.
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
* Receiver ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.

Field	Description
* Receiver ID Qualifier	Coded qualifier of the sender ID as it should appear on the message group header received from a company or division. Valid value is two standard characters. Optional.
Retain Enclosing Envelope	Copy the envelope segments (ISA and IEA) into each transaction set extracted from the functional group. Valid values are Yes and No. Required.
* Sender ID	Coded identifier of the company or division sending the interchange. Valid value is 12 standard characters. Required.
* Sender ID Qualifier	Coded qualifier of the sender ID as it should appear on the message group header sent to this company or division. Valid value is two standard characters. Optional.
Specify translated document encoding	Coded character encoding specified to translate this message group that includes this header. Valid values are Yes and No. Required.
Usage Indicator	Mode of operation mode to use for this envelope. Required. Valid values are: ◆ Test ◆ Production ◆ Information ◆ Any Indicator (wildard)
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope

ASC X12 Inbound GS GE Envelope Properties, Group Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk).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.

The following table describes X12 inbound GS GE envelope properties at the group level:

Field	Description
Accepter Lookup Alias for generated 997s	Optional. Valid values are: ◆ 997_[group version] ◆ 997_[test version] ◆ 997-[group version][test indicator]
Acknowledgement Detail Level	Level of detail to send acknowledgements. If you select Segment level, the segment, transaction, and group levels are acknowledged. Optional.
* Application Sender's Code	Coded identifier of the application used by the sender. Valid value is 15 standard characters. Required.
* Application Receiver's Code	Coded identifier of the application used by the receiver. Valid value is 15 standard characters. Required.
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
* Functional ID Code	Coded identifier of the functional ID as used in the interchange. Valid value is two standard characters. Required.
* Generate an acknowledgement when this group is received	Generate an acknowledgement that notifies the sender that the receiver has received an interpretable group transmission. Valid values are Yes and No. Required.

Field	Description
Global Group Control Number	Group control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Handling of non-compliant Groups	Process to follow when non-compliant groups are encountered. Valid values are: Accept and Reject. Required.
Local Group Control Number	Group control reference number used locally. Select a previously defined number to reference. Required. Valid value is nine 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.
Perform Control Number Sequence Checking	Compare the sequence of control numbers in the data with the Control Number parameter for this envelope. Valid values are Yes and No. Required.
Perform Duplicate Control Number Checking	Determine control number duplications. Valid values: Yes and No. Required.
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
* Responsible Agency Code	Agency responsible for relaying the message group on the sending side. Valid value is alphanumeric code with two standard characters. Required.
Retain Enclosing Envelope	Copy the envelope segments (ISA, GS and GE, IEA) into each transaction set extracted from the functional group. Valid values are Yes and No. Required.
Send acknowledgement immediately	Valid values are Yes and No. Required.
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope

Field	Description
* Version, Release, Industry Identifier Code	Version, release, and coded identifies of the industry for this interchange. Valid value is 12 standard characters. Required.

ASC X12 Inbound ST SE Envelope Properties, Transaction Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes X12 inbound ST SE envelope properties at the transaction level:

Field	Description
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.
Batch transactions received within a functional group into one output document	Put all similar transactions from a functional group into one output document. For example, all invoices would be put into one document. Valid values are Yes and No. Required.
Business Process List	Select a business process to run when this envelope is processed. Optional.
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
Compliance Check Document	Check the transaction set body for compliance. Valid values are Yes and No. Required.
Compliance Check Map Name	Which map to use to perform a compliance check. The map must already be checked in. Select the map. 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.

Field	Description
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.
Determine the Business Process by	Select a business process that should run with extracted X12 inbound ST/SE messages as the primary document. Required. Valid values are: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process ◆ Generating the business process name from the data
Error Business Process Name Mode	Mode in which to specify a business process to run if an error is encountered. Optional. Valid values are: ◆ Specify ◆ Generate from data
Extraction Options	Required. Valid values are: ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
For each document	Specified in the Determine Business Process by. Required. Valid values are: ◆ Invoke the business process ◆ Set the business process name in the process data
Generate an error if no generated business process name or map name exists in the system	Generate an error message if cannot locate the specified business process name or map name. Valid values are Yes and No. Required.
Global Transaction Set Control Number	Transaction set control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Group Version Release ID Code	Release identifier for this version of the group. Valid value is 12 standard characters. Required.
Handling of non-compliant Transactions	Process to follow when non-compliant transactions are encountered. Required. Valid values are: ◆ Accept compliant and non-compliant transactions ◆ Accept compliant transactions, reject non-compliant transactions
HIPAA Validation Level	Select the HIPAA validation level from the list. Required. Values are: ◆ Level 4 (including level 1, 2, and 3) ◆ Level 5 (including level 1, 2, 3, and 4) ◆ Level 6 (including level 1, 2, 3, 4, and 5)
Local Transaction Set Control Number	Transaction set control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required.

Field	Description
Map Name Mode	Mode in which to specify the map to use to perform a compliance check. Valid values are: ◆ Specify ◆ Generate from data
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.
Perform Control Number Sequence Checking	Compare the sequence of control numbers in the data with the Control Number parameter for this envelope. Valid values are Yes and No. Required.
Perform Duplicate Control Number Checking	Determine control number duplications. Valid values are Yes and No. Required.
Perform HIPAA compliance check	Is Level 4 compliance required. Valid values are Yes and No. Required.
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
Receiver ID	Coded identifier of the company or division receiving the transaction. Valid value is 12 standard characters. Required.
Retain Enclosing Envelope	Copy the envelope segments (ISA and IEA) into each transaction set extracted from the functional group. Valid values are Yes and No. Required.
Sender ID	Coded identifier of the company or division sending the transaction. Valid value is 12 standard characters. Required.
Test Indicator	Mode of operation mode to use for this envelope. Required. Valid values are: ◆ Test ◆ Production ◆ Information ◆ Any Indicator (wildcard)
* Transaction Set ID Code	Coded identifier of transaction set. Optional. Valid value is three standard characters. Required.

Field	Description
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.
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope
* Implementation Convention Reference	Identifier of the implementation convention reference. Valid value is up to 35 standard characters. Optional. **Note:** When this field is present in the data input, it is used to select an appropriate implementation of a given transaction set definition.
Validate translation output	Validate translated output (that is, documents sent to trading partners). Valid values are Yes and No. Required.

ASC X12 Outbound ISA IEA Envelope Properties, Interchange Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes X12 outbound ISA IEA envelope properties at the interchange level:

Field	Description
Accepter Lookup Alias	Identifying string used with the sender ID and the receiver ID to look up this envelope with the EDI Encoder service for TA1 processing. This alias associates a document with the service it requires. Valid value must match specified format on inbound ISA envelope. Default is “TA1.” Required.
* Acknowledgement Requested	Request an acknowledgement that notifies the sender that the receiver has received an interpretable interchange transmission. Valid values are Yes and No. Required.
* Authorization Information	Coded authorization level associated with this interchange. Valid value is two standard characters. Optional.
* Authorization Information Qualifier	Coded information qualifier of the authorization level associated with this interchange. Valid value is two standard characters. Required.
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.
Business Process List	Select a business process to run when this envelope is processed. Optional.
Component Element Separator	EDI delimiter to use to separate components. Optional.
Contract List	Select a previously created contract to associate with this envelope. Optional.

Field	Description
Control number handling	Required. Valid values are: ◆ Global ◆ Global (and generate name from data) ◆ Local
Data Extraction Directory	Directory for data extraction. Optional.
Data Extraction Filename	Filename for data extraction. Optional.
Data Extraction Mailbox	Mailbox for data extraction. Optional.
Data Extraction Mailbox Message Name	Mailbox message name for data extraction. Optional.
Data Element Separator	EDI delimiter to use to separate elements. Optional.
Determine the Business Process by	Select a business process that should run with extracted X12 outbound ISA/IEA messages as the primary document. Required. Valid values are: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process ◆ Generating the business process name from the data
Encode Document	Whether to specify character encoding for the document. Required. Valid values are Yes and No.
Encoding	Type of character encoding specified for the message group that includes this header. Valid value is six standard characters. Optional.
Extraction Options	Required. Valid values are: ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
Global Interchange Control Number	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Local Interchange Control Number	Interchange control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
* Interchange Control Standards Identifier Repetition Separator versions 4020 and above	This character to used to separate repeated elements. Optional.
* Interchange Control Version Number	Version number of this control interchange. Valid value is two standard characters. Required.

Field	Description
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
* Receiver ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Optional.
* Receiver ID Qualifier	Coded qualifier of the receiver ID as it should appear on the message group header sent to this company or division. Valid value is two standard characters. Optional.
Release Character	Character to use to release an EDI delimiter. Optional.
* Security Information	Coded security level associated with this interchange. Valid value is two standard characters. Optional.
* Security Information Qualifier	Coded security qualifier of the authorization level associated with this interchange. Valid value is two standard characters. Required.
Segment Terminator	EDI delimiter to use to indicate the end of segments. Optional.
* Sender ID	Coded identifier of the company or division sending the interchange. Valid value is 12 standard characters. Optional.
* Sender ID Qualifier	Coded qualifier of the sender ID as it should appear on the message group header sent to this company or division. Valid value is four standard characters. Optional.
Stream Segments	Insert an end-of-line character after each segment record. Valid values are Yes and No. Required.
Usage Indicator	Operation mode to use for this envelope. Valid values are: ◆ Test ◆ Production ◆ Information ◆ Any Indicator (wildcard)

Field	Description
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope
What values should be used in the Authorization and Security information field when enveloping acknowledgements	Valid values are: ◆ None (leave empty) ◆ Values specified in this envelope ◆ Values from the inbound interchange

ASC X12 Outbound GS GE Envelope Properties, Group Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

GS/GE outbound envelopes use pointers to select next envelope. If the envelopes are not exported/imported as a set, the pointers may fail. Pointer names include a reference to the server on which the envelope was created. Therefore, if Envelope set (ST, GS, ISA) is created on **machine1** and then exported and imported into **machine2**, the pointer names (Envelope ID) reference **machine1**. If the envelope set is deleted and recreated on **machine2** using the same Sender ID and Receiver ID, and so forth, the pointer name (Envelope ID) of these envelopes now reference **machine2**. If just one envelope, for example the GS envelope, is then imported back to **machine2**, it will be added as a version of the original envelope under the original Envelope ID, but the pointer to the next envelope to use now points to an envelope ID that does not exist on **machine1**.

The following table describes X12 outbound GS GE envelope properties at the group level:

Field	Description
* Acknowledgement overdue after (minutes)	Amount of time, in minutes, within which you must receive an acknowledgement. Valid value is four numeric characters. Optional.
* Acknowledgement overdue time (hours)	Amount of time, in hours, within which you must receive an acknowledgement. Valid value is four numeric characters. Optional.
* Application Receiver's Code	Coded identifier of the application used by the receiver. Valid value is 15 standard characters. Required.
* Application Sender's Code	Coded identifier of the application used by the sender. Valid value is 15 standard characters. Required.
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.

Field	Description
Create Next Envelope	Allows you to create the GS envelope to be used as the next envelope in the set. Optional.
* Expect an acknowledgement for this functional group	Whether you expect an acknowledgement that notifies the receiver has received an interpretable functional group. Valid values are Yes and No. Required.
* Functional ID Code	Coded identifier of the functional ID as used in the interchange. Valid value is two standard characters. Required.
Global Group Control Number	Group control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Local Group Control Number	Group control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Next Envelope	Envelope to apply after this envelope. Optional.
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
* Responsible Agency Code	Agency responsible for relaying the message group on the sending side. Valid value is alphanumeric code with two standard characters. Required.
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope
* Version, Release, Industry Identifier Code	Combination of the version and release number and code identifier of the industry of this control interchange. Valid value is 12 standard characters. Required.

ASC X12 Outbound ST SE Envelope Properties, Transaction Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

ST SE outbound envelopes use pointers to select next envelope. If the envelopes are not exported/imported as a set, the pointers may fail. Pointer names include a reference to the server on which the envelope was created. Therefore, if Envelope set (ST, GS, ISA) is created on **machine1** and then exported and imported into **machine2**, the pointer names (Envelope ID) reference **machine1**. If the envelope set is deleted and recreated on **machine2** using the same Sender ID and Receiver ID, and so forth, the pointer name (Envelope ID) of these envelopes now reference **machine2**. If just one envelope, for example the GS envelope, is then imported back to **machine2**, it will be added as a version of the original envelope under the original Envelope ID, but the pointer to the next envelope to use now points to an envelope ID that does not exist on **machine1**.

The following table describes X12 outbound ST SE envelope properties at the transaction level:

Field	Description
Accepter 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.
Backup Name Format	Used to specify what information to include when generating a compliance check Map Name. The Backup Name Formats are used when a valid map can not be determined from the Primary Name Format. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format.

Field	Description
Control number handling	Required. Valid values are: ◆ Global ◆ Global (and generate name from data) ◆ Local ◆ Always start at 1
Create Next Envelope	Allows you to create the GS envelope to be used as the next envelope in the set. Optional.
Generate an error if no generated map name exists in the system	Generate an error message if it cannot locate the specified map name. Optional. Valid values are Yes and No.
Global Transaction Set Control Number	Transaction set control reference used globally. Select a previously defined global transaction set control reference. Valid value is nine standard characters. Required.
HIPAA Validation Level	Select the HIPAA validation level from the list. Required. Values are: ◆ Level 4 (including level 1, 2, and 3) ◆ Level 5 (including level 1, 2, 3, and 4) ◆ Level 6 (including level 1, 2, 3, 4, and 5)
Local Transaction Set Control Number	Transaction set reference used locally. Select a previously defined global transaction set control reference. Valid value is nine standard characters. Required.
Map Name	Select the map to be used to perform a compliance check. The map must already be checked in. Optional.
Map Name Mode	Mode in which to specify the map to use to perform a compliance check. Required. Valid values are: ◆ Specify ◆ Generate from data
Next Envelope	Envelope to apply after this envelope. Optional.
Perform HIPAA Compliance Check	Is Level 4 compliance required. Required. Valid values are Yes or No.

Field	Description
Primary Name Format	Used to specify what information to include when generating a compliance check Map Name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Qualifier ◆ Sender ID ◆ Receiver ID Qualifier ◆ Receiver ID ◆ Transaction Set ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check all that you want to use in the format. Used when Map Name Mode is set to generate data.
Receiver ID	Coded identifier of the company or division receiving the transaction. Valid value is 12 standard characters. Required.
Receiver ID Qualifier	Qualifier used in envelope lookup by EDI Encoder. Optional.
Sender ID	Coded identifier of the company or division sending the transaction. Valid value is 12 standard characters. Required.
Sender ID Qualifier	Qualifier used in envelope lookup by EDI Encoder. Optional.
* Transaction Set ID Code	Code identifier of the transaction set. Valid value is three standard characters. Required.
Use global control number	Whether this envelope definition must use a global transaction set number to uniquely identify message group headers. Valid values are: ◆ Yes, indicates that you want to use a global number and you will be asked to select one that has already been created ◆ Yes (and generate name from data), indicates that the global number name will be generated using values from the inbound data or envelope definition ◆ No, indicates that you will be specifying a control number is owned only by this the envelope
* Implementation Convention Reference	Identifier of the implementation convention reference. Valid value is up to 35 standard characters. Optional. **Note:** When this field is present in the data input, it is used to select an appropriate implementation of a given transaction set definition.
Validate translation input	Valid values are Yes or No. Required.
Validate translation output	Valid values are Yes or No. Required.

CII Inbound Envelope Properties

The following table describes CII inbound envelope properties:

Field	Description
Batch messages received within a message group into one output document.	Send received batch messages into one output document. If you select No, instructs Application to output each message to a separate document. Valid values are Yes and No. The default is to output each message to a separate document. Required.
Business Process for Non-Compliant Documents	Business process that should run when non-compliant documents are encountered. Optional.
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	Which map to use to perform a compliance check. Select the map from the list of maps already checked in. 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.
Do you want to continue processing message groups that are found to be non-compliant?	Continue processing message groups that are found to be noncompliant. Valid values are Yes and No. Optional.
Determine the Business Process by	Select a business process that should run with extracted CII messages as the primary document. Required. Valid values are: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process
Edition	Edition equates to the version number of the standard message number of the standard message. Valid value is two standard characters. Required.

Field	Description
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: ◆ Default Encoding of Platform ◆ JIS0201 (JIS X 0201, Japanese) ◆ SJIS (Shift-JIS, Japanese) ◆ Other
Extraction Options	Required. Valid values are: ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
For each document	As specified in the Determine the Business Process. Required. Valid values are: ◆ Invoke the business process ◆ Set the business process name in the process data
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 and No. Required.
Handling of Non-Compliant Message Groups	Process to follow when non-compliant message groups are encountered. Required. Valid values are: ◆ Accept ◆ Reject ◆ Accept compliant transactions, reject non-compliant transactions
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: ◆ Test ◆ Production
Organization Code	Coded name of the organization within a company or division receiving the message group. Valid value is four standard characters. Required.
Receiver Code	Coded name of the company or division receiving the message group. Valid value is 12 standard characters. Required.
Sender Code	Coded name of the company or division sending the message group. Valid value is 12 standard characters. Required.

Field	Description
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: ◆ Default Encoding of Platform ◆ JIS0208 (JIS X 0208, Japanese) ◆ JIS0212 (JIS X 0212, Japanese) ◆ SJIS (Shift-JIS, Japanese) ◆ Other
Sub Organization Code	Coded name of the suborganization within a company or division receiving the message group. Valid value is two standard characters. 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. Required. Valid values are Yes and No.

CII Outbound Envelope Properties

The following table describes CII outbound (message group header) envelope properties:

Field	Description
Accepter 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.
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.
Business Process List	Select a business process to run when this envelope is processed.
Checksum TFD 1	Transfer form data (TFD) tag of first checksum. Valid value must be at least one limited standard character. Optional.
Checksum TFD 2	TFD tag of second checksum. Valid value must be at least one limited standard character. 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	Select a business process that should run with extracted CII messages as the primary document. Required. Valid values are: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process
Dividing mode setting	Mode to indicate message groups are stored in a variable length record file. Required. Valid values are: ◆ Dividing mode ◆ Non-dividing mode
Edition	Edition number of the standard message. Valid value is two standard characters. Required.

Field	Description
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: ◆ Default Encoding of Platform ◆ JIS0201 (JIS X 0201, Japanese) ◆ SJIS (Shift-JIS, Japanese) ◆ Other
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 and No. 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: ◆ Compressed mode ◆ Extended mode
Extraction Options	Required. Valid values are: ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
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.
Information ID Code	Type of the standard message. Valid value is four standard characters. Required.
Map Name	Select the map to be used to perform a compliance check. The map must already be checked in. Optional.
Operation mode setting	Mode to indicate this operation as test mode or production (normal) mode. Required. Valid values are: ◆ Test ◆ Production
Organization Code	Coded name of the organization within a company or division receiving the message group. Valid value is four standard characters. Required.
Receiver Code	Coded name of the company or division receiving 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.

Field	Description
Sender Code	Coded name of the company or division sending the message group. Valid value is 12 standard characters. Required.
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.
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: ◆ Default Encoding of Platform ◆ JIS0208 (JIS X 0208, Japanese) ◆ JIS0212 (JIS X 0212, Japanese) ◆ SJIS (Shift-JIS, Japanese) ◆ Other
Sub Organization Code	Coded name of the suborganization within a company or division receiving the message group. Valid value is two standard characters. Required.
Syntax ID and Version Number	Coded identifier of syntax rules and the version number. Valid value is six standard characters. Required.
Transparent Mode Setting	Mode of operation. Valid values are: ◆ Transparent mode ◆ Non-transparent mode
Validate translation input	Enables input-side validation to be turned off. Required.
Validate translation output	Enables output-side validation to be turned off. Required.

EDIFACT Inbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT inbound Syntax 4 UNB UNZ envelope properties at the interchange level:

Field	Description
* Sender ID	Interchange ID as it should appear on the interchange header segment sent to this company or division. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Sender ID)	Coded qualifier of the sender ID as it should appear on the interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
* Interchange Sender Internal Identification	Internal interchange ID as it should appear on the interchange header segment sent to this company or division. Valid value is 12 standard characters. Optional.
* Interchange Sender Internal Sub-identification	Subinterchange ID as it should appear on the interchange header segment sent to this company or division. Valid value is 12 standard characters. Optional.
* Recipient ID	Interchange ID as it should appear on the interchange header segment received from this company or division. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Recipient ID)	Coded qualifier of the recipient ID as it should appear on the interchange header segment received from this company or division. Valid value is four standard characters. Optional.
* Interchange Recipient Internal Identification	Internal interchange ID as it should appear on the interchange header segment received from this company or division. Valid value is 12 standard characters. Optional.
* Interchange Recipient Internal Sub-identification	Subinterchange ID as it should appear on the interchange header segment received from this company or division. Valid value is 12 standard characters. Optional.
* Test Indicator	Mode of operation mode to use for this envelope. Required. Valid values are: ◆ None (default) ◆ Test ◆ Syntax Only Test ◆ Echo Request ◆ Echo Response ◆ Any Indicator (wildcard)

Field	Description
Use global control number	Whether this envelope definition must use a global control number to uniquely identify transactions. No indicates that the envelope definition must use its local global control number. Required. Valid values are: ◆ Yes (default) ◆ Yes (and generate name from data) ◆ No
* Controlling Agency, Coded	Code identifying a controlling agency. This field works in conjunction with Message Group ID (UNG01) and Message Version Number (UNG07) to identify the controlling agency responsible for definition of message group id in message version number. Optional.
* Global Group Reference Number	The global group reference number. This parameter is displayed only when **Use global control number** is set to **Yes**. The value entered here is the name of the global control number file. Required.
* Local Group Reference Number	The local group reference number. This parameter is displayed only when **Use global control number** is set to **No**. The value entered here is numeric from one to fourteen digits. Required.
Perform Control Number Sequence Checking	Performs an incremental sequence check. Required. Valid values are Yes and No (default).
Perform Duplicate Control Number Checking	Determine control number duplications. Required. Valid values are Yes and No (default).
If sequence or duplicate checking, EDI Post Processor should	How the EDI Post Processor service should perform sequence and duplicate checking. When multiple interchanges for the same trading partner are processed in parallel, subprocesses for transactions will always be a direct child to the process that did the deenveloping. If the interchange is out of sequence, the post processor re-runs until the time-out is reached. Required. Valid values: ◆ Process all interchanges in the EDI Sequence Check Queue (recommended and the default) ◆ Process only the current interchange
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.
Retain Enclosing Envelope	Copy the envelope segments (UNB and UNZ) into each group or message extracted from the interchange. Required. Valid values are Yes and No.
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Required.
Primary Name Format	Information to include when generating a name for a global number and finding the correct number to assign based on that name. Optional. Information options include: ◆ Test Indicator

Field	Description
* Global Interchange Control Reference	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Handling of non-compliant Interchanges	Process to follow when non-compliant interchanges are encountered. Required. Valid values: ◆ Accept ◆ Reject (default)
Generate an acknowledgement	Generate an acknowledgement that notifies the sender that the receiver has received either a non-compliant interchange or an interpretable interchange transmission. Required. Valid values are Yes (default) and No.
Acknowledgement Detail Level	Level of detail to which acknowledgements are sent. If you select Segment level, the segment and message levels are acknowledged. Optional. Valid values are: ◆ Interchange Level ◆ Group Level ◆ Message Level ◆ Segment Level ◆ Data Element Level (default)
Send acknowledgement immediately	Send specified level of acknowledgement immediately after interchange transmission occurs. Valid values are Yes and No (default). Required.
Acceptor Lookup Alias format for generated CONTRLs	Optional. Valid values are: ◆ CONTRL (default) ◆ CONTRL_[syntax version] ◆ CONTRL_[test_indicator] ◆ CONTRL_[syntax version]_[test_indicator] ◆ [message type (first one if multiple)]
* Local Interchange Control Reference	Interchange control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Write S002 and S003 subelements	Whether to write the S002 (Interchange Sender) and S003 (Interchange Receiver) subelements. Valid values are Yes and No (default). Required.
Syntax 1,2,3 Action Response (UCI 0083)	If using EDIFACT Syntax 3 lower, and UNB 0031 is “1” or Generate Acknowledgements is selected. Allows you to send receipt for UCI 0083. Optional. Valid values are: ◆ Acknowledged or Rejected (compliance based) (default) ◆ Received

EDIFACT Inbound Syntax 4 UNG UNE Envelope Properties, Group Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT inbound Syntax 4 UNG UNE envelope properties at the group level:

Field	Description
* Sender ID	Coded identifier of the company or division sending the message group. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Sender ID)	Coded qualifier of the sender ID as it should appear on the interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
* Recipient ID	Coded identifier of the company or division receiving the message group. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Recipient ID)	Coded qualifier of the recipient ID as it should appear on the interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
Use global control number	Whether this envelope definition must use a global group number to uniquely identify transactions. No indicates that the envelope definition must use its own global group number. Required. Valid values are: ◆ Yes ◆ Yes - Generate name from data ◆ No
* Controlling Agency, Coded	Agency controlling the code representing the name of the sending EDI service provider and relaying the message group on the sending side. Valid value is alphanumeric code with three standard characters. Optional.
* Application Password	Password used to access the application of the receiver. Valid value is 15 standard characters. Optional.
* Global Group Reference Number	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Optional.
Use Security	Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No. Required. **Note:** This option must be set to Yes when using secure AUTACK messages in EDIFACT.
This is the AUTACK Group Envelope	Specify whether this envelope is the AUTACK group envelope. Valid values are Yes and No (default). Required. **Note:** Only displayed if Use Security is set to Yes.

Field	Description
Security Certificate	The security certificate. Default is B2BHttp. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Security Algorithm	The algorithm for security purposes. Default is MD5 with RSA. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Use of Algorithm	How the algorithm should be used. Default is 1-Owner Hashing. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Security Service	The service provided by the selected security. Default is Non-repudiation of origin. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Scope of Security Application	The scope of the security application (what it checks). Default is 3 - Whole related message, package, group or interchange. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Response Type	The type of response. Default is 1- No acknowledgement. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.
Filter Function	The type of filter used. Default is 2 - Hexadecimal Filter. Required. **Note:** Only displayed if Use Security is set to Yes and This is the AUTACK Group Envelope is also set to Yes.

EDIFACT Inbound Syntax 4 UNH UNT Envelope Properties, Transaction Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT inbound Syntax 4 UNH UNT envelope properties at the transaction level:

Field	Description
* Sender ID (from group or interchange)	Interchange ID as it should appear on the transaction sent to this company or division. Valid value is 12 standard characters. Required.
Identification Code Qualifier (Sender ID) (from group or interchange)	Coded qualifier of the sender ID as it should appear on the from group or interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
* Recipient ID (from group or interchange)	Interchange ID as it should appear on the transaction received from this company or division. Valid value is 12 standard characters. Required.
Identification Code Qualifier (Recipient ID) (from group or interchange)	Coded qualifier of the recipient ID as it should appear on the from group or interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
* Message Type	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. If using AUTACK, create a separate AUTACK inbound transaction envelope with a message type of AUTACK so you can configure the trusted certificate you want to use when validating the digital signature.
* Message Version Number	Version number of the standard message. Valid value is three standard characters. Required.
* Message Release Number (Required for EDIFACT, optional for ODETTE)	Release number of the standard message. Valid value is three standard characters. Required for EDIFACT. Optional for ODETTE.
* Controlling Agency, Coded	Agency controlling the code representing the name of the sending EDI service provider and relaying the message group on the sending side. Valid value is alphanumeric code with three standard characters. Optional.
* Association Assigned Code	Assigned associated code for the agency controlling the name of the sending EDI service provider and relaying the message group on the sending side. Valid value is alphanumeric code with six standard characters. Optional.
* Message Type Sub-Function Identification	Coded identifier of a sub-function of a message type. Valid value is six standard characters. Optional.

Field	Description
Use global control number	Whether this envelope definition must use a global control number to uniquely identify transactions. No indicates that the envelope definition must use its own global control number. Required. Valid values are: ◆ Yes ◆ Yes (and generate name from data) ◆ No
Test Indicator	Operation mode to use for this envelope. Required. Valid values are: ◆ None (default) ◆ Test ◆ Syntax Only Test ◆ Echo Request ◆ Echo Response ◆ Any Indicator (wildcard)
Perform Control Number Sequence Checking	Compare the sequence of control numbers in the data with the Control Number parameter for this envelope. Required. Valid values are Yes and No (default).
Perform Duplicate Control Number Checking	Determine control number duplications. Required. Valid values are Yes and No (default).
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.
Retain Enclosing Envelope	Copy the envelope segments (UNB and UNZ) into each message extracted from the transaction. Required. Valid values are Yes (default) and No.
Batch transactions received within a functional group into one output document.	Put all similar transactions from a functional group into one output document. For example, all invoices would be put into one document. Valid values are Yes (default) and No. The default is to output each transaction to a separate document. Required.

Field	Description
Primary Name Format	Check boxes to instruct what information to include when generating a name for a primary global control number and finding the correct number to assign based on that name. Optional. Select from: ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated global control number (**Use global control number** is set to Yes (and generate name from data)), Application tries to generate and match the following control numbers: ◆ First, it tries to generate and match the control number in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing control number that matches the names generated in steps 1-3, a control number with the name assigned in the first step is created.
First Backup Name Format	The first backup name format to use when generating a global control number. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated global control number (**Use global control number** is set to Yes (and generate name from data)), Application tries to generate and match the following control numbers: ◆ First, it tries to generate and match the control number in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing control number that matches the names generated in steps 1-3, a control number with the name assigned in the first step is created.

Field	Description
Second Backup Name Format	The second backup name format to use when generating a global control number. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated global control number (**Use global control number** is set to Yes (and generate name from data)), Application tries to generate and match the following control numbers: ◆ First, it tries to generate and match the control number in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing control number that matches the names generated in steps 1-3, a control number with the name assigned in the first step is created.
Global Message Reference Number	Transaction group control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Handling of non-compliant Messages	Process to follow when non-compliant transactions are encountered. Required. Valid values are: ◆ Accept compliant and non-compliant transactions ◆ Accept compliant transactions, reject non-compliant transactions (default)
Compliance Check Document	Check the transaction set body for compliance. Valid values are Yes (default) and No. Required. **Note:** This only applies to data compliance, not to security/certificate compliance.
Map Name Mode	How to determine which map to use to perform a compliance check. Required. Valid values are: ◆ Specify (default) ◆ Generate from data (this is useful if you want to share across envelopes) **Note:** If you select this option, you must select at least one parameter for Primary Name Format.
Map Name	Which map to use to perform a compliance check (if **Compliance Check document** is set to Yes and **Map Name Mode** set to Specify). The map must already be checked in to Application. Optional.

Field	Description
Primary Name Format	Check boxes to instruct what information to include when generating and matching a name for the map. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated map name (**Map Name Mode** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no matching map is found** is set to Yes.

Field	Description
First Backup Name Format	The first backup name format to use when generating a map name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated map name (**Map Name Mode** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no matching map is found** is set to Yes.

Field	Description
Second Backup Name Format	The second backup name format to use when generating a map name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated map name (**Map Name Mode** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no matching map is found** is set to Yes.
Generate an error if no generated map name exists in the system	Specifies whether to generate an error if the Map Name selected is not found. Valid values are Yes (default) and No. **Note:** Only displayed if **Map Name Mode** is set to Generate from data.
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 (default).
Validate translation output	Validate translated output (that is, documents sent to trading partners). Valid values are Yes (default) and No. Required.

Field	Description
Determine the Business Process by	Select a business process that should run with messages as the primary document. Optional. Valid values are: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process ◆ Generating the business process name from the data
For each document	As specified in the Determine the Business Process. Required. Valid values are: ◆ Invoke the business process ◆ Set the business process name in the process data
Primary Name Format	Check boxes to instruct what information to include when generating and matching a name for the business process. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated business process name (**Determine the Business Process By** is set to Generating the business process name from the data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the first Backup Name. ◆ Third, it tries to generate and match the second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
First Backup Name Format	The first backup name format to use when generating a business process name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated business process name (**Determine Business Process Name By** is set to Generating a Business Process name from the data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
Second Backup Name Format	The second backup name format to use when generating a business process name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated business process name (**Determine Error Business Process Name By** is set to Generating a Business Process name from the data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.
Generate an error if no generated business process name exists in the system	Specify whether to generate an error if there is no match to the generated business process name in the system. Valid values are Yes (default) and No. **Note:** Only displayed if **Determine the Business Process By** is set to Generating the business process name from the data.
Contract List	Select a previously created contract to associate with this envelope.
Business Process List	Select a previously created business process to associate with this envelope Optional. Displayed only if **Determine the Business Process Name** is set to Specifying the business process.
Extraction Options	Business process data extraction. Required. Valid values: ◆ Determined by business process (default) ◆ Extract to a file system directory ◆ Extract to a mailbox

Field	Description
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.
Error Business Process Mode	How to determine the business process name to use if there were errors in the compliance check. Required. Valid values are: ◆ Specifying a Business Process name (default) ◆ Generating a Business Process name from the data (this is useful if you want to share across envelopes) **Note:** If you select this option, you must select at least one parameter for Primary Name Format. The generated name will end with FIN.
Primary Name Format	Check boxes to instruct what information to include when generating and matching a name for the error business process name. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated error business process name (**Error Business Process Mode** is set to Generate from data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
First Backup Name Format	The first backup name format to use when generating an error business process name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated error business process name (**Error Business Process Mode** is set to Generate from data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
Second Backup Name Format	The second backup name format to use when generating an error business process name. The system allows for two alternatives if the Primary Name Format is not found—checking for the First Backup Name Format and then, if that is not found, checking for the Second Backup Name Format. Optional. Select from: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator **Note:** If you are using a generated error business process name (**Error Business Process Mode** is set to Generate from data), Application tries to generate and match the following business process: ◆ First, it tries to generate and match the business process in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing business process that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.
Generate an error if no generated business process name exists in the system	Specify whether to generate an error if there is no match to the generated business process name in the system. Valid values are Yes (default) and No. **Note:** Only displayed if **Error Business Process Mode** is set to Generate from data.
Business Process List	Select a previously created business process to associate with this envelope. Optional. Displayed only if **Determine Error Business Process Name By** is set to Specifying the business process.
Use Security	Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No (default). Required. **Note:** This option must be set to Yes when using secure AUTACK messages in EDIFACT.

Field	Description
Scope of Security Application	Used for AUTACK security only. Security header and message body referenced in the digital certificate. Required. Valid values are: ◆ 1 - Security header and message body. Use this option if you want the AUTACK embedded in the transaction that it is securing. ◆ 3 - Whole related message, package, group, or interchange. Use this option if you want the AUTACK to reference the data transaction or the group it is securing. When selecting this option, you have two options for certificate parameters: - Use a certificate in USC segment or generate a certificate name - Use a specified certificate only
Security Certificate	Select a previously checked in system certificate to associate with this envelope. Required.

EDIFACT Outbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT outbound Syntax 4 UNB UNZ envelope properties at the interchange level:

Field	Description
* Syntax Identifier	Coded identifier of syntax rules. Valid value is four standard characters. Required.
* Syntax Version Number	Version number of syntax rules. Valid value is one standard characters. The current value is 4. Required.
* Service Code List Directory Version Number	Version number of the service code list directory. Optional.
* Character Encoding, Coded	Coded character encoding used in the interchange. Optional.
* Sender ID	Coded identifier of the company or division sending the interchange. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Sender ID)	Coded qualifier of the sender ID as it should appear on the interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
* Interchange Sender Internal Identification	Internal interchange ID as it should appear on the interchange header segment sent to this company or division. Valid value is 12 standard characters. Optional.
* Interchange Sender Internal Sub-identification	Internal interchange sub ID as it should appear on the interchange header segment sent to this company or division. Valid value is 12 standard characters. Optional.
* Recipient ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Recipient ID)	Coded qualifier of the recipient ID as it should appear on the interchange header segment sent to this company or division. Valid value is three standard characters. Optional.
* Interchange Recipient Internal Identification	Internal interchange ID as it should appear on the interchange header segment received from a company or division. Valid value is 12 standard characters. Optional.
* Interchange Recipient Internal Sub-identification	Internal interchange sub ID as it should appear on the interchange header segment received from a company or division. Valid value is 12 standard characters. Optional.

Field	Description
Use global control number	Whether this envelope definition must use a global control number to uniquely identify transactions. No indicates that the envelope definition must use its own global control number. Optional. Valid values are: ◆ Yes (default) ◆ Yes (and generate name from data) ◆ No
* Recipient Reference/Password	Reference or password as agreed between the communicating trading partners. Optional.
* Recipient Reference/Password Qualifier	Coded qualifier and password of the receiver as it should appear on the message group header sent to this company or division. Valid value is four standard characters. Optional.
* Application Reference	Reference identifier of the application used by the sender. Valid value is 15 standard characters. Optional.
* Processing Priority Code	Code determined by the sender requesting processing priority for the interchange. Optional.
* Acknowledgement Request	Request an acknowledgement that notifies the sender that the receiver has received an interpretable interchange transmission. Optional.
* 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. Optional.
* Interchange Agreement Identifier	Identification by name or code of the type of agreement under which the interchange takes place. Optional.
* Test Indicator	The structural level in the envelope containing the test indicator is a test. Optional.
* Global Interchange Control Reference	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required. **Note:** Only displayed if Use Global Control Number is set to Yes.
* Local Interchange Control Reference	Interchange control reference number used locally. Select a previously defined number to reference. Valid value is fourteen standard characters. Required. Default is 1. **Note:** Only displayed if Use Global Control Number is set to No.
Primary Name Format	Information to include when generating a name for a primary global number and finding the correct number to assign based on that name. Information includes: ◆ Test Indicator Check the appropriate information to use in the format. Optional.
Specify Non-Standard delimiters	Delimiters other than the default delimiters associated with the Syntax Identifier, UNOA or UNOB. Valid values are Yes and No (default). Required.
* UNA Segments	Incorporate UNA segments in this envelope. Valid values are Yes and No (default). Required.

Field	Description
Stream Segments	Insert an end-of-line character after each segment record. Valid values are Yes and No (default). Required.
Data Element Separator	EDI delimiter to use to separate elements. Optional.
Segment Terminator	EDI delimiter to use to indicate the end of segments. Optional.
Component Element Separator	EDI delimiter used to separate components. Optional.
Release Character	Character to use to release an EDI delimiter. Optional.
Repetition Separator	Character to use to separate a group of repeated elements. Optional.
Decimal Separator	Character to use to identify different multi details. Optional.
Encode Document	Whether to specify character encoding for the document. Required. Valid values are Yes and No (default).
Encoding	Type of character encoding for the message group that includes this header. This field is used with the Encoding field. Valid value is six standard characters. Required only if Encode Document is set to Yes.
Determine the Business Process by	Select a business process that should run with extracted EDIFACT outbound Syntax 4 UNB/UNZ messages as the primary document. Required. Valid values: ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process ◆ Generating the business process name from the 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.

Field	Description
Primary Name Format	Information to include when generating a name for a primary global number and finding the correct number to assign based on that name. Information includes: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator Check the appropriate information to use in the format. Optional. **Note:** If you are using a generated map name (**Generating the business process name from the data** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
First Backup Name Format	Information to include when generating a name for a backup global number and finding the correct number to assign based on that name. Information includes: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator Check the appropriate information to use in the format. Optional. **Note:** If you are using a generated map name (**Generating the business process name from the data** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

Field	Description
Second Backup Name Format	Information to include when generating a name for a secondary backup global number and finding the correct number to assign based on that name. Information includes: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ (0065) Message Type ◆ Message Version and Release Number ◆ Test Indicator Check the appropriate information to use in the format. Optional. **Note:** If you are using a generated map name (**Generating the business process name from the data** is set to Generate from data), Application tries to generate and match the following maps: ◆ First, it tries to generate and match the map in the primary name format (replacing the values that are selected for the corresponding value in the message). ◆ Second, it tries to generate and match the First Backup Name. ◆ Third, it tries to generate and match the Second Backup Name. ◆ Fourth, if there is not an existing map that matches the names generated in steps 1-3, an error is generated. **Note:** Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.
Generate an error if no generated business process name exists in the system	Generate an error message if it cannot locate the specified business process name. Valid values are Yes (default) and No.
Extraction Options	Required. Valid values are: ◆ Determined by a business process (default) ◆ 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.

EDIFACT Outbound Syntax 4 UNG UNE Envelope Properties, Group Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT outbound Syntax 4 UNG UNE envelope properties at the group level:

Field	Description
Next Envelope	Specifies envelope to use after this envelope. Required.
Create Next Envelope	Adds group level envelope to use as next envelope or edits an existing envelope. Optional.
* Sender ID	Interchange ID as it should appear on the message group header sent to this company or division. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Sender ID)	Application Group Sender ID Qualifier that identifies the content of the (Group) Sender ID. Valid value is four standard characters. Optional.
* Recipient ID	Interchange ID as it should appear on the message group header received from this company or division. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Recipient ID)	This is an Application Group Recipient ID Qualifier that identifies the content of the (Group) Recipient ID. Valid value is four standard characters. Optional.
Use global control number	Whether this envelope definition must use a global control number to uniquely identify message group headers. No indicates that the envelope definition must use its own local control number. Required. Valid values are: ◆ Yes (default) ◆ Yes (and generate name from data) ◆ No
Use Security	Turns on AUTACK security for the group. The AUTACK inbound transaction envelope will store the certificate reference or the way the certificate can be generated from the data used in validating the digital signature for the group. Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No (default). Required. **Note:** This option must be set to Yes when using secure AUTACK messages in EDIFACT.
This is the AUTACK Group Envelope	Specify whether this envelope is the AUTACK group envelope. Valid values are Yes and No (default). Required. **Note:** Only displayed if Use Security is set to Yes.

EDIFACT Outbound Syntax 4 UNH UNT Envelope Properties, Transaction Level

Note: An (*) asterisk indicates that a wildcard value can be used with that parameter (for mandatory fields, the wildcard value is an (*) asterisk). 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.

The following table describes EDIFACT outbound Syntax 4 UNH UNT envelope properties at the transaction level:

Field	Description
Sender ID	Coded identifier of the company or division sending the transaction. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Sender ID)	Coded qualifier of the sender ID as it should appear on the interchange header segment sent to this company or division. Valid value is four standard characters. Optional.
Recipient ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.
* Identification Code Qualifier (Recipient ID)	Coded qualifier of the recipient ID as it should appear on the interchange header segment sent to this company or division. Valid value is three standard characters. Optional.
Next Envelope	Envelope to apply after this envelope. Required.
Create Next Envelope	Identifies if group envelopes are to be generated. ◆ If next envelope is UNG/UNE then group envelopes are to be generated (that is, UNB, UNG, UNH, UNT, UNE, UNZ). ◆ If UNB/UNZ then there are no group envelopes (that is, UNB, UNH, UNT, UNZ). Optional. Valid values are: ◆ UNG/UNE Syntax 4 ◆ UNB/UNZ Syntax 4
Control number handling	How to handle control numbers. Required. Valid values are: ◆ Global (default) ◆ Global (and generate name from data) ◆ Local ◆ Always start with 1
* Message Type	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.

Field	Description
* Message Version Number	Version number of the standard message. Valid value is three standard characters. Required.
* Message Release Number (Required for EDIFACT, optional for ODETTE)	Release number of the standard message. Valid value is three standard characters. Required for EDIFACT and AUTACK. Optional for ODETTE.
* Controlling Agency, Coded	Agency controlling the code representing the name of the sending EDI service provider and relaying the message group on the sending side. Valid value is alphanumeric code with three standard characters. Optional.
* Association Assigned Code	Assigned associated code for the agency controlling the name of the sending EDI service provider and relaying the message group on the sending side. Valid value is alphanumeric code with six standard characters. Optional.
* Code List Directory Version Number	Previously defined version number of a code list to implement in this message. Valid value is numeric code with six limited standard characters. Optional.
* Message Type Sub-Function Identification	Coded identifier of a sub-function of a message type. Valid value is six standard characters. Optional.
* Common Access Reference	Key used for referencing related all subsequent transfers of data to the same business case or file. Optional.
* Sequence Of Transfers	Number assigned by the sender indicating the transfer sequence of a message related to the same topic. The message could be an addition or a change to an earlier transfer related to the same topic. Valid value is two standard characters. Optional.
* First And Last Transfer	First and last message in a sequence of messages related to the same topic. Valid value is one standard character. Optional.
* Message Subset Identification	Coded identifier of a message subset by its identifier, version, release, and source. Valid value is 15 standard characters. Optional.
* Message Subset Version Number	Version number of the message subset. Valid value is three standard characters. Optional.
* Message Subset Release Number	Release number of the message subset. Valid value is three standard characters. Optional.
Message Subset Controlling Agency, Coded	Agency controlling the code representing the name of the message subset. Valid value is alphanumeric code with three standard characters. Optional.
* Message Implementation Guideline Identification	Coded identifier of a message implementation guideline by its identifier, version, release, and source. Valid value is 14 standard characters. Optional.
* Message Implementation Guideline Version Number	Version number of a message implementation guideline. Valid value is three standard characters. Optional.
* Message Implementation Guideline Release Number	Release number of a message implementation guideline. Valid value is three standard characters. Optional.
*Message Implementation Controlling Agency, Coded	Agency controlling the code representing the name of the message implementer. Valid value is alphanumeric code with three standard characters. Optional.

Field	Description
* Scenario Identification	Coded identifier of a scenario by its identifier, version, release, and source. Valid value is 14 standard characters. Optional.
* Scenario Version Number	Version number of a scenario. Valid value is three standard characters. Optional.
* Scenario Release Number	Release number of a scenario. Valid value is three standard characters. Optional.
Message Scenario Controlling Agency, Coded	Agency controlling the code representing the message scenario. Valid value is alphanumeric code with three standard characters. Optional.
Accepter 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.
Specify Non-Standard Delimiters	Whether you want to specify non-standard delimiters. Valid values are Yes and No (default). Required.
Data Element Separator	EDI delimiter to use to separate elements. Optional.
Segment Terminator	EDI delimiter to use to indicate the end of segments. Optional.
Component Element Separator	EDI delimiter used to separate components. Optional.
Release Character	Character to use to release an EDI delimiter. Optional.
Repetition Separator	Character to use to separate a group of repeated elements. Optional.
Decimal Separator	Character to use to identify different multi details. Optional.
Stream Segments	Insert an end-of-line character after each segment record. Valid values are Yes and No (default). Required.
Primary Name Format	Information to include when generating a name for a global number and finding the correct number to assign based on that name. Optional. Information includes: ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator Check each that you want to use in the format.
First Backup Name Format	Check boxes to indicate what information to include when generating a name for a global number and finding the correct number to assign based on that name. Optional. Information includes: ◆ Message type ◆ Message version and release number ◆ Test Indicator Check each that you want to use in the format.

Field	Description
Second Backup Name Format	Check boxes to indicate what information to include when generating a name for a global number and finding the correct number to assign based on that name. Optional. Information includes: ◆ Message type ◆ Message version and release number ◆ Test Indicator Check each that you want to use in the format.
Global Message Reference Number	Message control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Local Message Reference Number	Message control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Map Name Mode	Mode in which to specify the map to use to perform a compliance check. Valid values are: ◆ Specify ◆ Generate from data
Map Name	Select the map to be used to perform a compliance check. The map must already be checked in. Optional.
Primary Name Format	Information to include when generating a name for a map and finding the correct number to assign based on that name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator Check all that you want to use in the format. Optional.

Field	Description
First Backup Name Format	Information to include when generating a name for a map and finding the correct number to assign based on that name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator Check all that you want to use in the format. Optional.
Second Backup Name Format	Information to include when generating a name for a map and finding the correct number to assign based on that name. Information may include some or all of the following: ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator Check all that you want to use in the format. Optional.
Generate an error if no generated map name exists in the system	Generate an error message if it cannot locate the specified map name. Valid values are Yes and No. Required.
Validate translation input	Whether to validate the translation input. Valid values are Yes (default) or No. Required.
Validate translation output	Whether to validate the translation output. Valid values are Yes (default) or No. Required.
Use Security	Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No (default). Required. **Note:** This option *must* be set to Yes when using secure AUTACK messages in EDIFACT.

Field	Description
Scope of Security Application	Security header and message body referenced in the digital certificate. Required. Valid values are: ◆ 1 - Security header and message body (default) ◆ 3 - Whole related message, package, group, or interchange **Note:** Only displayed if Use Security is set to Yes.
Security Certificate	Select a previously checked in trusted certificate to associate with this envelope. Required. **Note:** Only displayed if Use Security is set to Yes.
Security Algorithm	Strength of the algorithm used to encrypt data and provides a key length your trading partner can support. Required. Valid values are: ◆ MD5 with RSA – Message digest algorithm that verifies the integrity of data through a 128-bit message digest. Default. ◆ SHA1 with RSA – Secure hash algorithm that verifies the integrity of data through a 160-bit (20 byte) message digest. Transmission may be a bit slower that MD5; however, the larger message digest size offers a more secure data transference. **Note:** Only displayed if Use Security is set to Yes.
Use of Algorithm	Defines when the algorithm is used. Required. Valid values are: ◆ 1 - Owner Hashing (default) ◆ 6 - Owner Signing **Note:** Only displayed if Use Security is set to Yes.
Security Service	Whether the message sender must sign the message with a digital certificate. Required. **Note:** Only displayed if Use Security is set to Yes.
Response Type	Whether you required an acknowledgement for transmitted digital certificates. Required. **Note:** Only displayed if Use Security is set to Yes.
Filter Function	The function of the filter. Default is Hexadecimal filter. Required.

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: ◆ Specifying a contract ◆ Specifying a business process
Extraction Options	Required. Valid values are: ◆ 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
APRF Application Reference	TRADACOMS application reference ID for this transmission. Optional.
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.
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: ◆ Specifying a contract ◆ Specifying a business process
Extraction Options	Required. Valid values are: ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
Encode Document	Character encoding for the document. Valid values are Yes and No. Required.
Encoding	Type of character encoding for the message group that includes this header. Optional.
Envelope Map Name	Map used to apply TRADACOMS interchange headers. Optional.
FROM Sender Code	Code identifies the transmission sender. Valid value is 12 standard characters. Required.
FROM Sender Name	Name identifies the transmission sender. Optional.
PRCD Transmission Priority	TRADACOMS transmission priority code. Valid value is one limited numeric character. Optional.
RCRF Receiver Reference	Transmission reference ID of the receiver. Optional.
SNRF Sender Reference	Key used for referencing this SNRF sender. Valid value is 14 standard characters. Required.
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.

Field	Description
Stream Segments	Insert an end-of-line character after each segment record. Valid values are Yes and No. Required.
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 and No. Required.
Use with SNRF Sender Reference	Whether to use a key for referencing this SNRF sender. Optional.

TRADACOMS Outbound MHD MTR Envelope Properties

The following table describes TRADACOMS outbound MHD MTR envelope properties:

Field	Description
Accepter 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.
Bank Identity Code	Service bank's own identity code. Optional.
Bank Information	Customer to bank information (such as, F/X Deal Number). Optional.
Bank Name	Service bank/third party bank name. Optional.
CADD Customer's Address Line 1	Address of the customer. Optional.
CADD Customer's Address Line 2	Additional address of the customer. Optional.
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.
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.
Create Next Envelope	Adds Interchange level envelope to use as next envelope. Optional.
Currency Indicator	Type of currency, three character code such as, USD, EUR, etc.Optional.
Enveloping Map Name	Map used to apply TRADACOMS interchange headers. Optional.
FLGN File Generation Number	Generated number assigned to the file. Valid value is four standard characters. Required.
FROM Sender Code	Coded identifier of the transmission sender. Valid value is 14 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. 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.

Field	Description
Next Envelope	Envelope to apply after this envelope. 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.
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.
Service Code	Name of service as allocated by the service bank. Optional.
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.
UNTO Receiver Code	Coded identifier of the transmission receiver. Valid value is 14 standard characters. Required.
User Code	Customer’s user number as allocated by the bank. Optional.
Validate translation input	Valid values are Yes or No. Required.
Validate translation output	Valid values are Yes or No. Required.
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.
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.

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