

Sterling Standards Library



# Using AUTACK Messages with EDIFACT

*8.04, for Sterling B2B Integrator 5.24*



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**Note**

Before using this information and the product it supports, read the information in "Notices" on page 45.

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This edition applies to Version 8 Release 0 Modification 4 of the IBM Sterling Standards Library and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Chapter 1. Using AUTACK Messages with EDIFACT

Sterling B2B Integrator supports the use of AUTACK messages for EDIFACT. AUTACK is a secure authentication and acknowledgement message that is used to:

- Authenticate an interchange being sent
- Ensure integrity of content by hashing and signing the entire set of transaction messages in the interchange
- Ensure non-repudiation of origin by the sender's digital signature against an EDIFACT structure in the interchange document

**Note:** Sterling B2B Integrator currently supports secure authentication and non-repudiation of origin. Sterling B2B Integrator does not support the acknowledgement of AUTACK messages or non-repudiation of receipt.

### Prerequisites for using AUTACK Messages with EDIFACT

The audience using this software should be familiar with Sterling B2B Integrator and the AUTACK messages.

This documentation is not intended to explain AUTACK specifications; for more information, access this web site:

<http://www.gefeg.com/jswg/>

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## Using AUTACK with Sterling B2B Integrator

The following conditions apply when using AUTACK in Sterling B2B Integrator:

- Certificates along with all other security features exist at the transaction or group level.
- An AUTACK can be used to secure either a group or a transaction, but it cannot be used to secure both within a single interchange.
- Only one AUTACK can exist in an interchange.
- You can use AUTACK in Sterling B2B Integrator in two ways within an interchange:
  - At the transaction level, AUTACK messages can secure one or multiple transactions in the interchange.
  - At the group level, AUTACK messages can secure multiple groups.

When an AUTACK message is used, the security occurs on the transaction envelope for transactions and the group envelopes for groups. Security must be on by selecting Use Security on the envelope wizard to view the security screens.

For outbound envelopes, two parameters control what type of functionality is used: Security and message body and Whole related message, package, group, or interchange. These determine whether the AUTACK is embedded in the transaction or if it is referencing the data transaction or group it is securing. If referencing the data transaction or group, AUTACKs require their own group enveloping. An envelope parameter in the group envelope, AutackGroupEnvelope, indicates (when selected) that this is an AUTACK Group Envelope.

For inbound envelopes, you need two transaction envelopes: one for the message data to turn security on, and one for the AUTACK message where additional security settings are configured. Authentication for inbound and outbound messages using AUTACK works as follows:

### **For Inbound Messages using AUTACK:**

1. Reads the scope on the AUTACK transaction envelope to determine which functionality to reference.
2. Reads a specific certificate on the AUTACK transaction envelope, or generates a certificate name from the data.
3. Verifies the signature in the USY segment.

**Note:** Hash total is built into signature in the USY segment. The hash total and signature are verified, and it is the hash total that authenticates document content.

### **For Outbound Messages using AUTACK:**

1. Reads the envelope parameters
2. Calculates hash total of interchange content, which is used as input when calculating digital signature. The results are then encrypted using the originator's private key.  
AUTACK messages use security header groups (USH) and security trailer groups (UST).

To use AUTACK with Sterling B2B Integrator, you must complete the following tasks:

1. Create the appropriate inbound and outbound envelopes with security for each message type you are sending and receiving. To initiate AUTACK, follow these steps:
  - For inbound and outbound UNG/UNE envelopes select **Yes** for the Use Security option in the envelope wizard.
  - Create a group envelope for AUTACK and select Yes for both security and AutackGroupEnvelope options.
  - For inbound and outbound UNH/UNT envelopes, create an envelope for the AUTACK message by typing **AUTACK** in the Message Type field, and select **Yes** for the Use Security option.
2. If you are creating an inbound UNH/UNT transaction envelope with a message type of AUTACK you can configure the trusted certificate you want to use when validating the digital signature. You must select one of two options in the Scope of Security Application list. If you are configuring a non-AUTACK message type envelope, then the security configuration ends.
  - 1 - Security 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 selecting the name of the certificate:
    - Use a certificate in USC segment or generate a certificate name. Use this option to generate a certificate name based on security configurations that you specify.
    - Use a specified certificate only



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## Chapter 2. 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 and for optional fields, the wildcard value is leaving the field blank). 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.

\* **Sender Organization**

The sender organization. Optional for envelopes managed by Sterling B2B Integrator.

\* **Identification Code Qualifier**

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**

Sub-identification 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.

\* **Receiver Organization**

The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.

\* **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**

Sub-identification 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**

The value to be used to identify test interchanges. For production interchanges it should be set to **None**. Required. Valid values are:

- None (default)
- Test
- Syntax Only Test
- Echo Request
- Echo Response
- Any Indicator (wildcard)

**Note:** If the value of `deenvolving.EDIFACT.ProcessUNBTestIndicatorOfZeroAsProduction` in the `enveloping.properties` file is set to `true`, all transactions that contain a 0 or a blank in the test indicator field will be processed as production data.

**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 local control number. Required. Valid values are:

- Yes (default)
- Yes (and generate name from data)
- No

**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).

**Note:** If this value is set to *Yes* and the **Maximum age of Control Number History Records in days** parameter is not given a value, entries are created in the `TRANSACT_REGISTER` table with a null value for the `ARCHIVE_DATE`. These entries are not purged automatically.

**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 `deenvolving`. 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 the following:

- Test Indicator

**\* 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 and S003 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

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## Chapter 3. 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 and for optional fields, the wildcard value is leaving the field blank). 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
-------	-------------

* <b>Sender ID</b>	
--------------------	--

	Interchange ID as it should appear on the message group header sent to this company or division. Valid value is 12 standard characters. Required.
--	---

* <b>Sender Organization</b>	
------------------------------	--

	The sender organization. Optional for envelopes managed by Sterling B2B Integrator.
--	---

* <b>Identification Code Qualifier (Sender ID)</b>	
--	--

	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.
--	---

* <b>Recipient ID</b>	
-----------------------	--

	Interchange ID as it should appear on the message group header received from this company or division. Valid value is 12 standard characters. Required.
--	---

* <b>Receiver Organization</b>	
--------------------------------	--

	The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.
--	---

* <b>Identification Code Qualifier (Recipient ID)</b>	
---	--

	Coded qualifier of the recipient ID as it should appear on the message group header received from this company or division. Valid value is four standard characters. Optional.
--	--

<b>Use global control number</b>	
----------------------------------	--

	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 global control number. Required. Valid values are:
--	---

- Yes (default)
- Yes (and generate name from data)
- No

<b>Perform Control Number Sequence Checking</b>	
---	--

	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).

**Note:** If this value is set to *Yes* and the **Maximum age of Control Number History Records in days** parameter is not given a value, entries are created in the TRANSACT\_REGISTER table with a null value for the ARCHIVE\_DATE. These entries are not purged automatically.

**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 message group header. Required. Valid values are Yes and No.

**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.

**Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

**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.

**Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

**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.

**Handling of Non-Compliant Groups**

Process to follow when non-compliant message group headers are encountered. Required. Valid values are:

- Accept
- Reject (default)

**Business Process for Non-Compliant Documents**

Business process to be used when non-compliant documents are encountered. Required.

**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.





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## Chapter 4. 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 and for optional fields, the wildcard value is leaving the field blank). 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.

\* **Sender Organization**

The sender organization. Optional for envelopes managed by Sterling B2B Integrator.

**Identification Code Qualifier (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.

\* **Receiver Organization**

The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.

**Identification Code Qualifier (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.

**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).

**Note:** If this value is set to *Yes* and the **Maximum age of Control Number History Records in days** parameter is not given a value, entries are created in the TRANSACT\_REGISTER table with a null value for the ARCHIVE\_DATE. These entries are not purged automatically.

**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.

**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)), Sterling B2B Integrator 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.

**Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

**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)), Sterling B2B Integrator 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.

#### **Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

#### **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)), Sterling B2B Integrator 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 Sterling B2B Integrator. Optional.

### **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), Sterling B2B Integrator 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.

Only occurs if **Generate an error if no generated map name exists in the system** is set to Yes.

### **Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

### **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), Sterling B2B Integrator 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.

Only occurs if **Generate an error if no generated map name exists in the system** is set to Yes.

#### **Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

#### **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), Sterling B2B Integrator 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.

Only occurs if **Generate an error if no generated map name exists in the system** 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.

#### **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), Sterling B2B Integrator 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.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### Use first backup name format

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

#### 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), Sterling B2B Integrator 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.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### Use second backup name format

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

#### 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), Sterling B2B Integrator 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.

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

**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), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

### **Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

### **Backup Name Format**

The first backup name format to use when generating an error business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### Use second backup name format

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

#### Backup Name Format

The second backup name format to use when generating an error business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### **Use third backup name format**

Whether to use the third backup name format (specified below). The default is selected (use the third backup name format).

#### **Backup Name Format**

The third backup name format to use when generating an error business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

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.

**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.



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## Chapter 5. 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 and for optional fields, the wildcard value is leaving the field blank). 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
-------	-------------

<b>* Syntax Identifier</b>	
----------------------------	--

	Coded identifier of syntax rules. Valid value is four standard characters. Required.
--	--

<b>* Syntax Version Number</b>	
--------------------------------	--

	Version number of syntax rules. Typically, this value is 1. Valid value is one standard character. Required.
--	--

<b>* Service Code List Directory Version Number</b>	
---	--

	Version number of the service code list directory. Optional.
--	--

<b>* Character Encoding, Coded</b>	
------------------------------------	--

	Coded character encoding used in the interchange. Optional.
--	---

<b>* Sender ID</b>	
--------------------	--

	Coded identifier of the company or division sending the interchange. Valid value is 12 standard characters. Required.
--	---

<b>* Sender Organization</b>	
------------------------------	--

	The sender organization. Optional for envelopes managed by Sterling B2B Integrator.
--	---

<b>* Identification Code Qualifier (Sender ID)</b>	
--	--

	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.
--	---

<b>* Interchange Sender Internal Identification</b>	
---	--

	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.
--	--

<b>* Interchange Sender Internal Sub-identification</b>	
---	--

	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.
--	--

<b>* Recipient ID</b>	
-----------------------	--

	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.
--	---

\* **Receiver Organization**

The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.

\* **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.

**Use Correlation Overrides**

Whether to use correlation overrides. Required. Valid values are:

- **Always** - If a correlation override value is provided, always use that value instead of the value in the envelope (except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).
- **Only when the envelope field has a wildcard value (\*)** - Only use correlation override values for fields in the envelope definition that are specified with a wildcard (\*).
- **Never** - Never use correlation overrides.
- **Use the default specified in enveloping.properties** - The enveloping.properties file defines when to use correlation overrides if this choice is selected. The properties file will either define Always, Never, or Only when the envelope field has a wildcard (\*) value. The applicable properties file property is **enveloping.correl\_override\_default.[standard]**. Allowed values are No (which means never), WildcardOnly, or All (which means always, except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).

**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 Sterling B2B Integrator 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.
- \* **Local Interchange Control Reference**  
Interchange control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. Required. Default is 1.

**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.

**Maximum number of documents per interchange**

Maximum number of documents per interchange. Optional.

**Limit Interchange Size**

Maximum size allowed for an interchange before a single interchange is split into multiple interchanges that are each under the maximum size limitation.

Valid values are:

- No
- Use smallest transaction limit (default)

**Note:** The **Use smallest transaction limit** setting is specific to the limitation imposed by the standard.

- Specify size limit

- Use global default in enveloping.properties

Required.

**Note:** If you select **Use transaction set default in enveloping.properties**, you need to specify the size limit directly (in the **Maximum Interchange Size** parameter) or by setting properties in the enveloping.properties property file, which contains a property for each supported standard and more specific properties for each message type (for example, INVOIC for the EDIFACT standard) that can override the standard property.

#### **Invoke Business Process for Each Interchange**

Whether a business process is invoked for each interchange generated. Valid values are Yes and No (default). Required.

**Note:** If **Invoke Business Process for Each Interchange** is set to **No**, the service places the name of the business process specified in the envelope into process data using the key WFD\_NAME. This business process is then invoked by the Invoke Business Process Service. If **Invoke Business Process For Each Interchange** is set to **Yes**, the service directly bootstraps an instance of the business process specified in the envelope, and does not set WFD\_NAME in process data.

#### **Maximum Interchange Size (bytes)**

Specify the maximum size of each individual interchange. Required.

**Note:** Only displayed if you selected **Specify size limit** for the **Limit Interchange Size** parameter. If you choose to specify a maximum value, the value you specify is checked to make sure it is at least 173 bytes based on the header and trailer size for EDIFACT standard.

**Note:** For performance reasons, the size is estimated for some components of the interchange (for example, control numbers) when determining the size. For this reason, the actual enforced size limit is slightly smaller than the value you specify.

#### **Specify Non-Standard delimiters**

Delimiters other than the default delimiters. Valid values are Yes and No (default). Required.

#### **UNA Segments**

Incorporate UNA segments in this envelope. Valid values are Yes and No (default). Required.

#### **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.

**Primary Name Format**

Check boxes to instruct what information to include when generating and matching a name for the 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 business process name (**Determine the business process by** is set to Generating the business process name from data), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### Use first backup name format

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

#### Backup Name Format

The first backup name format to use when generating a business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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 the business process by** is set to Generating the business process name from data), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### Use second backup name format

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

#### Backup Name Format

The second backup name format to use when generating a business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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 the business process by** is set to Generating the business process name from data), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

Only occurs if **Generate an error if no generated business process name exists in the system** is set to Yes.

#### **Use third backup name format**

Whether to use the third backup name format (specified below). The default is selected (use the third backup name format).

#### **Backup Name Format**

The third backup name format to use when generating a business process name. The system allows for three 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, and then, if that is not found, checking for the Third 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 the business process by** is set to Generating the business process name from data), Sterling B2B Integrator 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, it tries to generate and match the Third Backup Name.
- Fifth, if there is not an existing business process that matches the names generated in steps 1-4, an error is generated.

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.

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## Chapter 6. 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 and for optional fields, the wildcard value is leaving the field blank). 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
-------	-------------

<b>Next Envelope</b>	
----------------------	--

Specifies envelope to use after this envelope. Required.

<b>Create Next Envelope</b>	
-----------------------------	--

Adds group level envelope to use as next envelope or edits an exiting envelope. Optional.

<b>* Sender ID</b>	
--------------------	--

Coded identifier of the company or division sending the message group. Valid value is 12 standard characters. Required.

<b>* Sender Organization</b>	
------------------------------	--

The sender organization. Optional for envelopes managed by Sterling B2B Integrator.

<b>* Identification Code Qualifier (Sender ID)</b>	
--	--

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.

<b>* Recipient ID</b>	
-----------------------	--

Coded identifier of the company or division receiving the message group. Valid value is 12 standard characters. Required.

<b>* Receiver Organization</b>	
--------------------------------	--

The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.

<b>* Identification Code Qualifier (Recipient ID)</b>	
---	--

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.

<b>Use Correlation Overrides</b>	
----------------------------------	--

Whether to use correlation overrides. Required. Valid values are:

- **Always** - If a correlation override value is provided, always use that value instead of the value in the envelope (except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).

- **Only when the envelope field has a wildcard value (\*)** - Only use correlation override values for fields in the envelope definition that are specified with a wildcard (\*).
- **Never** - Never use correlation overrides.
- **Use the default specified in enveloping.properties** - The enveloping.properties file defines when to use correlation overrides if this choice is selected. The properties file will either define Always, Never, or Only when the envelope field has a wildcard (\*) value. The applicable properties file property is **enveloping.correl\_override\_default.[standard]**. Allowed values are No (which means never), WildcardOnly, or All (which means always, except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).

#### **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.

#### **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.

#### **Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

#### **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.



**Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

**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 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.

**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.

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## Chapter 7. 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 and for optional fields, the wildcard value is leaving the field blank). 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.

#### \* Sender Organization

The sender organization. Optional for envelopes managed by Sterling B2B Integrator.

#### \* 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.

#### \* Receiver Organization

The receiver organization. Optional for envelopes managed by Sterling B2B Integrator.

#### \* 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

Adds transaction level envelope to use as the next envelope. Optional. Valid values are:

- UNG/UNE Syntax 4
- UNB/UNZ Syntax 4

#### Use Correlation Overrides

Whether to use correlation overrides. Required. Valid values are:

- **Always** - If a correlation override value is provided, always use that value instead of the value in the envelope (except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).

- **Only when the envelope field has a wildcard value (\*)** - Only use correlation override values for fields in the envelope definition that are specified with a wildcard (\*).
- **Never** - Never use correlation overrides.
- **Use the default specified in enveloping.properties** - The enveloping.properties file defines when to use correlation overrides if this choice is selected. The properties file will either define Always, Never, or Only when the envelope field has a wildcard (\*) value. The applicable properties file property is **enveloping.correl\_override\_default.[standard]**. Allowed values are No (which means never), WildcardOnly, or All (which means always, except for the Sender ID, Receiver ID, and Sender/Receiver Qualifier fields, which must have a \* in the envelope definition to use the correlation override value).

#### **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.

#### **\* 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.

**\* 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.

#### **Limit Interchange Size**

Maximum size allowed for an interchange before a single interchange is split into multiple interchanges that are each under the maximum size limitation.

Valid values are:

- No
- Specify size limit
- Use global default in enveloping.properties

Required.

**Note:** If you select **Use transaction set default in enveloping.properties**, you need to specify the size limit directly (in the **Maximum Interchange Size** parameter) or by setting properties in the enveloping.properties property file, which contains a property for each supported standard and more specific properties for each message type (for example, INVOIC for the EDIFACT standard) that can override the standard property.

#### **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.

**Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

**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.

**Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

**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.

**Maximum Interchange Size (bytes)**

Specify the maximum size of each individual interchange. Required.

**Note:** Only displayed if you selected **Specify size limit** for the **Limit Interchange Size** parameter. If you choose to specify a maximum value, the value you specify is checked to make sure it is at least 173 bytes based on the header and trailer size for EDIFACT standard.

**Note:** For performance reasons, the size is estimated for some components of the interchange (for example, control numbers) when determining the size. For this reason, the actual enforced size limit is slightly smaller than the value you specify.

**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.

**Use first backup name format**

Whether to use the first backup name format (specified below). The default is selected (use the first backup name format).

**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.

**Use second backup name format**

Whether to use the second backup name format (specified below). The default is selected (use the second backup name format).

**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.

**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 than 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.

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