

Gentran Integration Suite™

Using AUTACK Messages with EDIFACT in Gentran Integration Suite

Version 4.2

Sterling Commerce
An IBM Company

© Copyright 2006 Sterling Commerce, Inc. All rights reserved.
Additional copyright information is located on the Gentran Integration Suite Documentation Library:
<http://www.sterlingcommerce.com/Documentation/GIS42/homepage.htm>

Contents

- Using AUTACK Messages with EDIFACT in Gentran Integration Suite 4
 - Prerequisite Knowledge 4
 - Using AUTACK with Gentran Integration Suite. 4
- EDIFACT Inbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level 7
- EDIFACT Inbound Syntax 4 UNH UNT Envelope Properties, Transaction Level 10
- EDIFACT Outbound Syntax 4 UNG UNE Envelope Properties, Group Level 16
- EDIFACT Outbound Syntax 4 UNB UNZ Envelope Properties, Interchange Level 18
- EDIFACT Outbound Syntax 4 UNH UNT Envelope Properties, Transaction Level 22
- EDIFACT Inbound Syntax 4 UNG UNE Envelope Properties, Group Level 26

Using AUTACK Messages with EDIFACT in Gentran Integration Suite

Gentran Integration Suite 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 non-repudiation of origin by the sender's digital signature against an EDIFACT structure in the interchange document

Note: Gentran Integration Suite currently supports secure authentication and non-repudiation of origin. Gentran Integration Suite does not support the acknowledgement of AUTACK messages or non-repudiation of receipt.

Prerequisite Knowledge

The audience using this software should be familiar with Gentran Integration Suite 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/>

Using AUTACK with Gentran Integration Suite

The following conditions apply when using AUTACK in Gentran Integration Suite:

- ◆ 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 Gentran Integration Suite 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.

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 Gentran Integration Suite:

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.

For Outbound Messages using AUTACK Gentran Integration Suite:

1. Reads the envelope parameters
2. Digitally signs the message data and includes this in the AUTACK USY segment.

AUTACK messages use security header groups (USH) and security trailer groups (UST) as shown below.

```

LIN+3333333++9996543210:BP'
PIA+1+222222222222:UP'
IMD+++:::THIS IS ITEM 2 DESCRIPTION'
QTY+12:50:EA'
QTY+21:50:EA'
MOA+146:0.1'
UNS+S'
CNT+2:2'
MOA+128:105'
UNT+29+1'
UNH+2+AUTACK:4:1:UN'
USH+7+1+3+1+2+2+1+++1:20060808:033645'
USA+1:16:1:16:1'
USC++3:B2BHttp:anatu:5754f673:10cea3e7051:-7fb5:2+3'
USA+6:16:1:10:1'
USB+1+5+20060808:033645+PETTEST1:14+PETTEST1:14'
USX+4+PETTEST1:14+PETTEST1:14++++1'
USY+1+1:3E9E154F554667BAC17703FBFE06434D3A18C0D8FF6F456482136C7F2708FAEB6DC63FBCE!
UST+1+5'
UNT+10+2'
UNZ+2+3'

```

To use AUTACK with Gentran Integration Suite, 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.

- ◆ 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

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).

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

Field	Description
Acceptor Lookup Alias format for generated CONTRLs	Optional. Valid values are: <ul style="list-style-type: none"> ◆ CONTRL ◆ CONTRL_[syntax version] ◆ CONTRL_[test_indicator] ◆ CONTRL_[syntax version]_[test_indicator] ◆ [message type (first one if multiple)]
Acknowledgment Detail Level	Level of detail to which acknowledgments are sent. If you select Segment level, the segment and message levels are acknowledged. Optional. Valid values are: <ul style="list-style-type: none"> ◆ Interchange Level ◆ Group Level ◆ Message Level ◆ Segment Level ◆ Data Element Level
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
* Generate an acknowledgment	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 and No.
* 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: <ul style="list-style-type: none"> ◆ Accept ◆ Reject
* 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.

Field	Description
* 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.
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: <ul style="list-style-type: none"> ◆ Process all interchanges in the EDI Sequence Check Queue (recommended) ◆ Process only the current interchange
* 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.
* 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.
* Local Interchange Control Reference	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. Required. Valid values are Yes and No.
Perform Duplicate Control Number Checking	Determine control number duplications. 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 options may include some or all of the following: <ul style="list-style-type: none"> ◆ Functional ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator Check each that you want to use in the format.
* 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.

Field	Description
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.
Send acknowledgement immediately	Send specified level of acknowledgement immediately after interchange transmission occurs. Required.
* 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.
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: <ul style="list-style-type: none"> ◆ Acknowledged or Rejected (compliance based) ◆ Received
* Test Indicator	Mode of operation mode to use for this envelope. Required. Valid values are: <ul style="list-style-type: none"> ◆ None ◆ Test ◆ Syntax Only Test ◆ Echo Request ◆ Echo Response ◆ Any Indicator (wildcard)
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: <ul style="list-style-type: none"> ◆ Yes ◆ Yes (and generate name from data) ◆ No
Write S002 and S003 subelements	Valid values are Yes and No. Required.

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).

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

Field	Description
* 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.
Backup Certificate Name format	<p>Used with AUTACK security. Three Backup Certificate Names can be set up. Displayed if: 3 - Whole Related Message is selected on the Security Scope page and Use certificate in USC segment or generate a certificate name is selected on the Select Certificate page. Valid values are:</p> <ul style="list-style-type: none"> ◆ Certificate in USC segment (valid only when 3 - Whole Related Message is selected) ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator
Backup Name Format	<p>Check boxes to instruct what information to include when generating a name for a backup global number and finding the correct number to assign based on that name. Information may include some or all of the following:</p> <ul style="list-style-type: none"> ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator <p>Check all that you want to use in the format. Optional.</p>

Field	Description
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. The default is to output each transaction to a separate document. Required.
Business Process List	Select a business process to run when this envelope is processed.
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
Certificate Name Mode	This option is displayed when the Message Type is AUTACK. Mode to indicate how a trusted certificate is identified. The trusted certificate can be selected from a list of available certificates in Gentran Integration Suite or the name can be generated from the data.
Compliance Check Document	Check the transaction set body for compliance. Valid values are Yes and No. Required. Note: This only applies to data compliance, not to security/certificate compliance.
Compliance Check Map Name	Select the map to perform a compliance check. The map must already be checked in. Optional.
Contract List	Select a previously created contract to associate with this envelope.
* 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.
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. Optional. Valid values are: <ul style="list-style-type: none"> ◆ Looking up contract dynamically ◆ Specifying a contract ◆ Specifying a business process
Error Business Process Name Mode	Mode in which to specify a business process to run if an error is encountered. Optional. Valid values are: <ul style="list-style-type: none"> ◆ Specify ◆ Generate from data

Field	Description
Extraction Options	Required. Valid values are: <ul style="list-style-type: none"> ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
For each document	As specified in the Determine the Business Process. Required. Valid values are: <ul style="list-style-type: none"> ◆ Invoke the business process ◆ Set the business process name in the process data
Generate an error if no generated business process name exists in the system	Generate an error message if cannot locate the specified business process name or map name exists in the system. Required. Valid values are Yes and No.
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: <ul style="list-style-type: none"> ◆ Accept compliant and non-compliant transactions ◆ Accept compliant transactions, reject non-compliant transactions
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.
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.
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. Required. Valid values are: <ul style="list-style-type: none"> ◆ 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.
* 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.
* 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.

Field	Description
* Message Version Number	Version number of the standard message. Valid value is three standard characters. Required.
* Message Type Sub-Function Identification	Coded identifier of a sub-function of a message type. Valid value is six 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. Required. Valid values are Yes and No.
Perform Duplicate Control Number Checking	Determine control number duplications. Required. Valid values are Yes and No.
Primary Certificate Name Format	<p>Used with AUTACK security. Displayed if: 3 - Whole Related Message is selected on the Security Scope page and Use certificate in USC segment or generate a certificate name is selected on the Select Certificate page. Valid values are:</p> <ul style="list-style-type: none"> ◆ Certificate in USC segment (valid only when 3 - Whole Related Message is selected) ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message version and Release Number ◆ Test indicator
Primary Name Format	<p>Information to include when generating a name for a global number and finding the correct number to assign based on that name. Information may include some or all of the following:</p> <ul style="list-style-type: none"> ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator <p>Check all that you want to use in the format. Optional.</p>
* 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.
Retain Enclosing Envelope	Copy the envelope segments (UNB and UNZ) into each message extracted from the transaction. Required. Valid values are Yes and No.

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: <ul style="list-style-type: none"> ◆ 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: <ul style="list-style-type: none"> - 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. Optional.
* 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.
Test Indicator	Operation mode to use for this envelope. Required. Valid values are: <ul style="list-style-type: none"> ◆ None ◆ Test ◆ Syntax Only Test ◆ Echo Request ◆ Echo Response ◆ Any Indicator (wildcard)
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.
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: <ul style="list-style-type: none"> ◆ Yes ◆ Yes (and generate name from data) ◆ No
Use Security	Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No. Required. <p>Note: This option must be set to Yes when using secure AUTACK messages in EDIFACT. For more information about AUTACK, see Using AUTACK messages with EDIFACT in Gentran Integration Suite.</p>
Validate translation output	Validate translated output (that is, documents sent to trading partners). Valid values are Yes and No. Required.

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).

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

Field	Description
* Application Password	Password used to access the application of the receiver. Valid value is 15 standard characters. Optional.
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. Optional. Information may include some or all of the following: <ul style="list-style-type: none">◆ Functional ID Code◆ Version, Release, Industry Identifier Code◆ Test Indicator Check each that you want to use in the format. Optional.
* 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.
Create Next Envelope	Adds Interchange level envelope to use as next envelope. 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.
* 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.
* 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.
* Local Group Reference Number	Interchange 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.

Field	Description
Primary Name Format	<p>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 may include some or all of the following:</p> <ul style="list-style-type: none"> ◆ Functional ID Code ◆ Version, Release, Industry Identifier Code ◆ Test Indicator <p>Check each that you want to use in the format.</p>
* Recipient ID	Coded identifier of the company or division receiving the message group. Valid value is 12 standard characters. Required.
* Sender ID	Coded identifier of the company or division sending the message group. Valid value is 12 standard characters. Required.
Use global control number	<p>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:</p> <ul style="list-style-type: none"> ◆ Yes ◆ Yes - Generate name from data ◆ No
Use Security	<p>Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No. Required.</p> <p>Note: This option must be set to Yes when using secure AUTACK messages in EDIFACT. For more information about AUTACK, see Using AUTACK messages with EDIFACT in Gentran Integration Suite.</p>

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).

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

Field	Description
* 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 acknowledgment. Valid value is four numeric characters. Optional.
* Acknowledgement overdue after (minutes)	Amount of time, in minutes, within which you must receive an acknowledgment. Valid value is four numeric characters. Optional.
* Application Reference	Reference identifier of the application used by the sender. Valid value is 15 standard characters. Optional.
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: <ul style="list-style-type: none"> ◆ 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.
Business Process List	Select a business process to run when this envelope is processed. Optional.
* Character Encoding, Coded	Coded character encoding used in the interchange. Optional.
Component Element Separator	EDI delimiter used to separate components. Optional.
Contract List	Select a previously created contract to associate with this envelope. Optional.
Data Element Separator	EDI delimiter to use to separate elements. 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.
* Decimal Separator	Character to use to identify different multi details. Optional.
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: <ul style="list-style-type: none"> ◆ 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 for the message group that includes this header. This field is used with the Encoding field. Valid value is six standard characters. Optional.
Extraction Options	Required. Valid values are: <ul style="list-style-type: none"> ◆ Determined by a business process ◆ Extract to a file system directory ◆ Extract to a mailbox
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 and No.
* Global Interchange Control Reference	Interchange control reference number used globally. Select a previously defined number to reference. Valid value is nine 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.
* 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 Agreement Identifier	Identification by name or code of the type of agreement under which the interchange takes place. 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.
* 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.

Field	Description
* 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.
* Local Interchange Control Reference	Interchange control reference number used locally. Select a previously defined number to reference. Valid value is nine standard characters. 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. Information may include some or all of the following: <ul style="list-style-type: none"> ◆ 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.
* Processing Priority Code	Code determined by the sender requesting processing priority for the interchange. Optional.
* Recipient ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.
* 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.
Release Character	Character to use to release an EDI delimiter. Optional.
Repetition Separator	Character to use to separate a group of repeated elements. Optional.
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. Required.
* Service Code List Directory Version Number	Version number of the service code list directory. Optional.
Specify Non-Standard delimiters	Delimiters other than the default delimiters. Valid values are Yes and No. Required.
Stream Segments	Insert an end-of-line character after each segment record. Valid values are Yes and No. Required.

Field	Description
* Syntax Identifier	Coded identifier of syntax rules. Valid value is four standard characters. Required.
* Syntax Version Number	Version number of syntax rules. Typically, this value is 1. Valid value is one standard character. Required.
* Test Indicator	The structural level in the envelope containing the test indicator is a test. Optional.
* UNA Segments	Incorporate UNA segments in this envelope. Valid values are Yes and No. Required.
Use global control number	<p>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:</p> <ul style="list-style-type: none"> ◆ Yes ◆ Yes (and generate name from data) ◆ No

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).

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

Field	Description
Acceptor Lookup Alias	Identifying string used with the sender ID and the receiver ID to look up this envelope with the EDI Encoder service. This alias associates a document with the service it requires. Valid value must be at least one limited standard character. Required.
* 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.
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: <ul style="list-style-type: none"> ◆ 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.
* 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.
* 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.
* Common Access Reference	Key used for referencing related all subsequent transfers of data to the same business case or file. Optional.
* 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.

Field	Description
Control number handling	Required. Valid values are: <ul style="list-style-type: none"> ◆ Global ◆ Global (and generate name from data) ◆ Local ◆ Always start with 1
Filter Function	Hexadecimal filter. Required.
Create Next Envelope	Adds transaction level envelope to use as the next envelope. Optional. Valid values are: <ul style="list-style-type: none"> ◆ UNG/UNE Syntax 4 ◆ UNB/UNZ Syntax 4
* 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.
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.
Global Message Reference Number	Message control reference number used globally. Select a previously defined number to reference. Valid value is nine 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.
* 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.
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	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. Valid values are: <ul style="list-style-type: none"> ◆ Specify ◆ Generate from data
*Message Implementation Controlling Agency, Coded	
* 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.

Field	Description
Message Scenario Controlling Agency, Coded	
Message Subset Controlling Agency, Coded	
* 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 Release Number	Release number of the message subset. Valid value is three standard characters. Optional.
* Message Subset Version Number	Version number of the message subset. Valid value is three 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.
* Message Type Sub-Function Identification	Coded identifier of a sub-function of a message type. Valid value is six standard characters. optional.
* 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.
* Message Version Number	Version number of the standard message. Valid value is three standard characters. Required.
Next Envelope	Envelope to apply after this envelope. Optional.
Primary Name Format	<p>Information to include when generating a name for a global number and finding the correct number to assign based on that name. Information may include some or all of the following:</p> <ul style="list-style-type: none"> ◆ EDI Standard ◆ Sender ID Code Qualifier ◆ Sender ID ◆ Recipient ID Code Qualifier ◆ Recipient ID ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator <p>Check all that you want to use in the format. Optional.</p>
Recipient ID	Coded identifier of the company or division receiving the interchange. Valid value is 12 standard characters. Required.
Response Type	Whether you required an acknowledgement for transmitted digital certificates. Required.
* Scenario Identification	Coded identifier of a scenario by its identifier, version, release and source. Valid value is 14 standard characters. Optional.

Field	Description
* Scenario Release Number	Release number of a scenario. Valid value is three standard characters. Optional.
* Scenario Version Number	Version number of a scenario. Valid value is three standard characters. Optional.
Scope of Security Application	Security header and message body referenced in the digital certificate. Required. Valid values are: <ul style="list-style-type: none"> ◆ 1 - Security header and message body. ◆ 3 - Whole related message, package, group, or interchange.
Security Algorithm	Strength of the algorithm used to encrypt data and provides a key length your trading partner can support. Required. Valid values are: <ul style="list-style-type: none"> ◆ MD5 – Message digest algorithm that verifies the integrity of data through a 128-bit message digest. ◆ SHA1 – 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.
Security Certificate	Select a previously checked in trusted certificate to associate with this envelope. Required.
Security Reference Number	Number to use when referencing the digital certificate. Optional.
Security Service	Whether the message sender must sign the message with a digital certificate. Required.
Sender ID	Coded identifier of the company or division sending the transaction. Valid value is 12 standard characters. Required.
* 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.
Use Security	Use previously checked in trusted certificates to verify a secured document transmission. Valid values are Yes and No. Required. This option must be set to Yes when using secure AUTACK messages in EDIFACT. For more information about AUTACK, see Using AUTACK messages with EDIFACT in Gentran Integration Suite.
Validate translation input	Valid values are Yes or No. Required.
Validate translation output	Valid values are Yes or No. Required.

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).

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

Field	Description
Backup Name Format	<p>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:</p> <ul style="list-style-type: none"> ◆ Primary message type ◆ Message version and release number ◆ Test Indicator <p>Check each that you want to use in the format.</p>
Business Process for Non-Compliant Documents	Business process to be used when non-compliant documents are encountered. Optional.
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 and No.
Global Group Reference Number	Message group header control reference number used globally. Select a previously defined number to reference. Valid value is nine standard characters. Required.
Handling of Non-Compliant Groups	<p>Process to follow when non-compliant message group headers are encountered. Required. Valid values are:</p> <ul style="list-style-type: none"> ◆ Accept ◆ Reject
* Identification Code Qualifier (Recipient ID)	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.
* Identification Code Qualifier (Sender ID)	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.
* Local Group Control Reference	Message group header 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.

Field	Description
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.
Perform Duplicate Control Number Checking	Determine control number duplications. 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: <ul style="list-style-type: none"> ◆ Message Type ◆ Message Version and Release Number ◆ Test Indicator Check each that you want to use in the format.
* 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.
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.
* 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.
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 global control number. Required. Valid values are: <ul style="list-style-type: none"> ◆ Yes ◆ 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 is No. Required. <p>Note: This option must be set to Yes when using secure AUTACK messages in EDIFACT.</p>