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Department  
of  
Defense

DoD  
Transportation  
Electronic  
Business (DTEB)  
Convention

ASC X12 Transaction Set 824  
Application Advice (Version  
004010) – Invoice Acknowledgement

**FINAL DRAFT**

January 2009



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of  
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## Section 1.0

# INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to exchange Application Advice (Confirmation Response) in support of the Defense Transportation community's Electronic Business (DTEB) program.

For further information about the DTEB program, contact the following:

United States Transportation Command  
TCJ6-AD  
508 Scott Drive  
Scott Air Force Base, IL 62225-7001

To obtain DoD conventions or ASC X12 guidance or to recommend DoD conventions or ASC X12 maintenance, contact the following:

Military Surface Deployment and Distribution Command (MSDDC)  
Hoffman II, 200 Stovall Street  
Alexandria VA 22332

For the most recent publication, go to the World-Wide Web at  
[https://dteb.lmi.org/dod/dteb.nsf/\(DocLevel2\)?OpenView&cat1=IC&cat2=4010](https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010)

[Instructions: At the web location, sign on as 'Guest'. Select the desired Implementation Convention document. That document is available in PDF format and may be downloaded or printed.]

## Who Needs to Use This Document?

Computer programmers use this document to identify the data requirements for populating an EDI transaction.

## Why Use a Convention?

A convention defines the rules for populating an EDI transaction. Following a convention ensures that trading partners will encounter fewer data quality problems during development and maintenance of EDI systems.

## Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, Standard Implementation Convention, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the IC Element Matrix index number from Section 4.0.
- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. This section can be used to map an existing application database into the transaction set.
- Section 5.0 , when present, contains an example of the EDI transactions.
- Section 6.0, Application Code Lists, when present, identifies the DoD codes that trading partners need to exchange. This section augments the matrix presented in Section 4.0.
- Other sections contain examples of hard copy documents, examples of EDI transaction sets, segment looping logic tables, and other items that serve as references for software developers.

## Section 2.0

# CONTROL SEGMENTS

## Overview

This section describes the EDI control segments (interchange control and functional group segments). The control segment information was derived from the *ASC X12 Standards Version 4 Release 1 (004010)*.

## Purpose

This section identifies the specific data requirements for formatting the EDI control segments when transmitting and receiving EDI transactions. The format and data content of the control segments are usually managed by EDI translation software. The data requirements described herein should be used to set control segment formats when installing or initializing translation software for transmission and reception of EDI transactions.

## Contents

The complete 004010 version/release control segments includes an Interchange Control Segment Hierarchy on page 2.3, which identifies the control segments in their order of occurrence in an EDI communications interchange.

Beginning on page 2.5 are Department of Defense (DoD) Convention *ASC X12 Control Segments*, which present a detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners.

## Special Instructions

Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these values do not conflict with telecommunications protocols necessary to the transmission of the interchange. The following recommended values conform to information published in *Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications*.

## DATA ELEMENT SEPARATOR

While the data element separator is graphically displayed as an asterisk (\*) or a tilde (~) in *ASC X12* documentation, it is the value employed in the fourth byte of an interchange envelope that actually assigns the separator that the translators will use throughout an interchange. Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these do not conflict with telecommunications protocols necessary to the transmission of the interchange.

*ASC X12* recommends the ASCII character with hexadecimal value "1D" for use as the data element separator (gs). These values conform to information published in *Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications*.

## SEGMENT TERMINATOR

Likewise, the control envelope establishes the byte value used for segment termination within an interchange. *ASC X12* documentation usually portrays this as a new line (n/l character, but the actual segment terminator for an interchange will be the byte value occurring immediately following the ISA16 segment. *ASC X12* recommends the ASCII character with hexadecimal value "1C" for use as the segment (fs) terminator.

## COMPONENT ELEMENT SEPARATOR

The ISA segment provides a discrete element (ISA16) for defining the component element separator within an interchange. The component element separator is a delimiter used to separate component data elements within a composite data structure. It must be different than the data element separator and the segment terminator. *ASC X12* recommends the ASCII character with hexadecimal value "1F" for use as the component element separation (us) character.

## GS01 CODE VALUE

Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is 'SI' denoting Shipment Information (858).

## X12 PUBLICATION

See *ASC X12 Electronic Data Interchange X12 Draft Version 4 Release 1 Standards, Document Number: ASC X12S/97-372*, for complete 004010 version/release control segment specifications.

## Interchange Control Envelope Control Segments

Usage	Seg ID	Name	Req Des	Max Use
Must Use	ISA	Interchange Control Header	M	1
Must Use	GS	Functional Group Header	M	1
Must Use	• ST - SE	Grouped Transactions		
Must Use	• ST - SE	Grouped Transactions		
Must Use	• ST - SE	Grouped Transactions		
Must Use	GE	Functional Group Trailer	M	1
Must Use	GS	Functional Group Header	M	1
Must Use	• ST - SE	Grouped Transactions		
Must Use	• ST - SE	Grouped Transactions		
Must Use	• ST - SE	Grouped Transactions		
Must Use	GE	Functional Group Trailer	M	1
Must Use	IEA	Interchange Control Trailer	M	1

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Segment:           ISA Interchange Control Header

Usage:             Mandatory

Max Use:           1

Purpose:             To start and identify an interchange of zero or more functional groups and interchange-related control segments

DATA ELEMENT SUMMARY

Ref Des	Data Element	Name	Attributes
M	ISA01 I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorized Information	M ID 2/2
		<u>Code</u> 00	<u>Definition</u> No Authorization Information Present (No Meaningful Information in I02)
M	ISA02 I02	<b>Authorization Information</b> Information used for additional clarification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M AN 10/10
		For code value '00' in ISA01, fill with zeros.	
M	ISA03 I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information	M ID 2/2
		<u>Code</u> 00	<u>Definition</u> No Security Information Present (No Meaningful Information in I04)
M	ISA04 I04	<b>Security Information</b> This is used for identifying the security Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03).	M AN 10/10
		For code value '00' in ISA03, fill with zeros.	

<b>M</b>	<b>ISA05</b>	<b>I05</b>	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value '10'.	<b>M ID 2/2</b>
<b>M</b>	<b>ISA06</b>	<b>I06</b>	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.  DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.	<b>M AN 15/15</b>
<b>M</b>	<b>ISA07</b>	<b>I05</b>	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.	<b>M ID 2/2</b>
<b>M</b>	<b>ISA08</b>	<b>I07</b>	<b>Interchange Receiver ID</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.  DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.	<b>M AN 15/15</b>

<b>M</b>	<b>ISA09</b>	<b>I08</b>	<b>Interchange Date</b> Date of the interchange	<b>M DT 6/6</b>						
Date in MMDDYY format assigned by translation software										
<b>M</b>	<b>ISA10</b>	<b>I09</b>	<b>Interchange Time</b> Time of the interchange	<b>M DT 4/4</b>						
Time in HHMM format assigned by translation software										
<b>M</b>	<b>ISA11</b>	<b>I10</b>	<b>Interchange Control Standards</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	<b>M ID 1/1</b>						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>U</td><td>U.S. EDI Community of ASC X12, TDCC, and UCS</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	U	U.S. EDI Community of ASC X12, TDCC, and UCS		
<u>Code</u>	<u>Definition</u>									
U	U.S. EDI Community of ASC X12, TDCC, and UCS									
<b>M</b>	<b>ISA12</b>	<b>I11</b>	<b>Interchange Control Version Number</b> This version number covers the interchange Control segments.	<b>M ID 5/5</b>						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997		
<u>Code</u>	<u>Definition</u>									
00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997									
Version/release of control segment, as agreed upon by the trading partners										
<b>M</b>	<b>ISA13</b>	<b>I12</b>	<b>Interchange Control Number</b> A control number assigned by the interchange sender	<b>M N0 9/9</b>						
Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.										
<b>M</b>	<b>ISA14</b>	<b>I13</b>	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)	<b>M ID 1/1</b>						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>0</td><td>No Acknowledgment Requested</td></tr><tr><td>1</td><td>Interchange Acknowledgment Requested</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	0	No Acknowledgment Requested	1	Interchange Acknowledgment Requested
<u>Code</u>	<u>Definition</u>									
0	No Acknowledgment Requested									
1	Interchange Acknowledgment Requested									
Send code agreed upon by trading partners.										

M ISA15 I14

**Usage Indicator**

M ID 1/1

Code to indicate whether data enclosed by this interchange envelope is test, production, or information

<u>Code</u>	<u>Definition</u>
I	Information
P	Production Data
T	Test Data

Use code value as agreed upon by trading partners.

M ISA16 I15

**Component Element Separator**

AN 1/1

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.

ASC X12 recommends the use of ASCII character whose hexagonal value is '1F' as the component element separation character

Segment:            **GS Functional Group Header**

Usage:             **Mandatory**

Max Use:           **1**

Purpose:             To indicate the beginning of a functional group and to provide control information

**DATA ELEMENT SUMMARY**

	<b>Ref Des</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>M</b>	<b>GS01</b>	<b>479</b>	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets	<b>M ID 2/2</b>
<p>Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is 'SI' denoting Shipment Information (858).</p>				
<b>M</b>	<b>GS02</b>	<b>142</b>	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners	<b>M AN 2/15</b>
<p>Typically, a sender will use different codes here to uniquely identify each implementation convention (IC) for a particular transaction set. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA06.</p>				
<b>M</b>	<b>GS03</b>	<b>124</b>	<b>Application Receiver's Code</b> Code to identify the type of information in the Security Information	<b>M AN 2/15</b>
<p>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA08</p>				

<b>M</b>	<b>GS04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	<b>M DT 8/8</b>				
<div style="background-color: #e0e0e0; padding: 2px;">Date assigned by translation software</div>								
<b>M</b>	<b>GS05</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>M TM 4/8</b>				
<div style="background-color: #e0e0e0; padding: 2px;">Time expressed in HHMM format assigned by translation software</div>								
<b>M</b>	<b>GS06</b>	<b>28</b>	<b>Group Control Number</b> Assigned number originated and maintained by the sender	<b>M N0 1/9</b>				
<div style="background-color: #e0e0e0; padding: 2px;">Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.</div>								
<b>M</b>	<b>GS07</b>	<b>455</b>	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard.	<b>M ID 1/1</b>				
<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 15%;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>					<b>Code</b>	<b>Definition</b>	X	Accredited Standards Committee X12
<b>Code</b>	<b>Definition</b>							
X	Accredited Standards Committee X12							
<b>M</b>	<b>GS08</b>	<b>480</b>	<b>Version / Release / Industry Identified Code</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.	<b>M AN 6/6</b>				
<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 15%;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </table>					<b>Code</b>	<b>Definition</b>	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997
<b>Code</b>	<b>Definition</b>							
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997							
<div style="background-color: #e0e0e0; padding: 2px;">This is the version/release for all transactions within a functional group. See X12 4010 Dictionary for source code list. Note: optional positions 7- 12 are not used by the DTEB community.</div>								

Segment:            **GE Functional Group Trailer**  
 Usage:             Mandatory  
 Max Use:           1  
 Purpose:            To indicate the end of a functional group and to provide control information

DATA ELEMENT SUMMARY

Ref Des	Data Element	Name	Attributes
M	GE01 97	<b>Number of Transaction Sets Included</b> Total number of segments included in a transaction set including ST and SE segments  Number assigned by translation software	M N0 1/6
M	GE02 28	<b>Group Control Number</b> Assigned number originated and maintained by the sender  Number assigned by the translation software. This control number matches the control number that occurs in GS06.	M N0 1/9

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Segment: IEA Interchange Control Trailer  
 Usage: Mandatory  
 Max Use: 1  
 Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments

DATA ELEMENT SUMMARY

	Ref Des	Data Element	Name	Attributes
M	IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange  Number calculated by translation software	M N0 1/6
M	IEA02	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender  Number assigned by translation software. This number must match that occurring in ISA13.	M N0 9/9

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## Section 3.0

### STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating Application Advice (Confirmation Response) using ASC X12 Transaction Set 824 Application Advice (Version 004010).

Symbols that appear in the Data Element Summary to the left of each segment reference designator (Ref. Des.) define implementation convention usage for the DoD. These designations may differ from X12 convention attributes appearing in the right-hand column of the Data Element Summary and should be interpreted as follows:

- [*blank*] - Segment or data element may be used optionally
- M - X12 standards designate mandatory use of segment or data element
- >> - Segment or data element is mandatory for DTEB use
- X - Segment or data element is not used.

NOTE: Whenever a segment occurs more than once, DoD's actual usage requirement may differ among the instances of segment usage. In all cases, the Data Element Summary will indicate the highest order DoD requirement. In other words, if one or several particular instances for a segment are OPTIONAL but another is MANDATORY, the Data Element Summary will indicate a MANDATORY requirement. A review of the IC layout in Section 4.0 will distinguish among the multiple instances and clarify the usage requirement for each instance.

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# 824 Application Advice

Functional Group ID=AG

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection or acceptance with change of any transaction set. The Application Advice should not be used in place of a transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
						LOOP ID - N1	>1
Not Used	030	N1	Name	O	1		
Not Used	040	N2	Additional Name Information	O	2		
Not Used	050	N3	Address Information	O	2		
Not Used	060	N4	Geographic Location	O	1		
Not Used	070	REF	Reference Identification	O	12		
Not Used	080	PER	Administrative Communications Contact	O	3		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - OTI	>1
M	010	OTI	Original Transaction Identification	M	1		n1
	020	REF	Reference Identification	O	12		n2
Not Used	030	DTM	Date/Time Reference	O	2		n3
Not Used	040	PER	Administrative Communications Contact	O	3		n4
Not Used	050	AMT	Monetary Amount	O	>1		n5
Not Used	060	QTY	Quantity	O	>1		n6
Not Used	065	NM1	Individual or Organizational Name	O	9		n7
						LOOP ID - TED	>1
Must Use	070	TED	Technical Error Description	O	1		
Not Used	080	NTE	Note/Special Instruction	O	100		
Not Used	082	RED	Related Data	O	100		n8
						LOOP ID - LM	>1

Must Use	085	LM	Code Source Information	O	1	n9
			LOOP ID - LQ	100		
M	086	LQ	Industry Code	M	1	
Not Used	087	RED	Related Data	O	100	n10
M	090	SE	Transaction Set Trailer	M	1	

## Transaction Set Notes

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. The REF segment allows for the provision of secondary reference identification or numbers required to uniquely identify the original transaction set. The primary reference identification or number should be provided in elements OTI02-03.
3. The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.
4. The PER segment should be utilized if administrative communications contact information is important to the unique identification of the original transaction set.
5. The AMT segment should be utilized if monetary amount information is important to the unique identification of the original transaction set.
6. The QTY segment should be utilized if quantity information is important to the unique identification of the original transaction set.
7. The NM1 segment allows for the provision of entity identification information required to uniquely identify the original transaction set.
8. The RED segment may be used to provide data related to the error condition specified in the associated TED01 element.
9. The LM loop is used to identify industry-based or proprietary application error conditions.
10. The RED segment may be used to provide data related to the error condition specified in the associated LQ02 element.

**Segment:** **ST** Transaction Set Header

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the start of a transaction set and to assign a control number

**Syntax Notes:**

**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Notes:** [001] ST SEGMENT - Application Advice (Confirmation Response) Header

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set [002] Transaction Set Identifier Code 824 Application Advice [002] Application Advice	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [003] Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M AN 4/9

**Segment:** **BGN** Beginning Segment

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a transaction set

**Syntax Notes:** 1 If BGN05 is present, then BGN04 is required.

**Semantic Notes:** 1 BGN02 is the transaction set reference number.

2 BGN03 is the transaction set date.

3 BGN04 is the transaction set time.

4 BGN05 is the transaction set time qualifier.

5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Comments:**

**Notes:** [004] BGN SEGMENT - Transaction Set Purpose

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BGN01	353	<b>Transaction Set Purpose Code</b>		M ID 2/2
				Code identifying purpose of transaction set	
				[005] Transaction Set Purpose Code	
			44	Rejection	
				[005] Rejection	
M	BGN02	127	<b>Reference Identification</b>		M AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
				[006] Reference Identification	
				Code value '301' used to denote Confirmation (Ocean).	
M	BGN03	373	<b>Date</b>		M DT 8/8
				Date expressed as CCYYMMDD	
				[007] Date	
X	BGN04	337	<b>Time</b>		X TM 4/8
				Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	BGN05	623	<b>Time Code</b>		O ID 2/2
				Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>BGN06</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			[008] Reference Identification	
			The interchange control number.	
<b>X</b>	<b>BGN07</b>	<b>640</b>	<b>Transaction Type Code</b>	<b>O ID 2/2</b>
			Code specifying the type of transaction	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>BGN08</b>	<b>306</b>	<b>Action Code</b>	<b>O ID 1/2</b>
			Code indicating type of action	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>BGN09</b>	<b>786</b>	<b>Security Level Code</b>	<b>O ID 2/2</b>
			Code indicating the level of confidentiality assigned by the sender to the information following	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **OTI** Original Transaction Identification

**Position:** 010

**Loop:** OTI Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

**Syntax Notes:** 1 If OTI09 is present, then OTI08 is required.

**Semantic Notes:** 1 OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.

2 OTI06 is the group date.

3 OTI07 is the group time.

4 If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.

5 OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.

6 OTI13 is the type of the original transaction set, and is used to assist in its unique identification.

7 OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.

8 OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.

9 OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.

10 OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.

**Comments:** 1 OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.

2 If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.

3 If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

**Notes:** [009] OTI SEGMENT - Original Transaction Identification

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	OTI01	110	Application Acknowledgment Code	M ID 1/2
			Code indicating the application system edit results of the business data	
			[010] Application Acknowledgment Code	
			TR Transaction Set Reject	
			[010] Transaction Set Reject	
M	OTI02	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	

[011] Reference Identification Qualifier  
 Use this value to indicate a Port Call File Number (PCFN) in data element OTI03.

SI Shipper's Identifying Number for Shipment (SID)  
 A unique number (to the shipper) assigned by the shipper to identify the shipment  
 [011] Shipper's Identifying Number for Shipment (SID)

M	OTI03	127	<b>Reference Identification</b>	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			[012] Reference Identification If the actual Port Call File Number is not known or is unavailable then enter the text "PCFN".	
X	OTI04	142	<b>Application Sender's Code</b>	O AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
X	OTI05	124	<b>Application Receiver's Code</b>	O AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners	
X	OTI06	373	<b>Date</b>	O DT 8/8
			Date expressed as CCYYMMDD	
X	OTI07	337	<b>Time</b>	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	OTI08	28	<b>Group Control Number</b>	X N0 1/9
			Assigned number originated and maintained by the sender	
			[013] Group Control Number	
	OTI09	329	<b>Transaction Set Control Number</b>	O AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			[014] Transaction Set Control Number	
X	OTI10	143	<b>Transaction Set Identifier Code</b>	O ID 3/3
			Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	
X	OTI11	480	<b>Version / Release / Industry Identifier Code</b>	O AN 1/12
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers	

(optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI12      353      **Transaction Set Purpose Code**      O ID 2/2

Code identifying purpose of transaction set

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI13      640      **Transaction Type Code**      O ID 2/2

Code specifying the type of transaction

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI14      346      **Application Type**      O ID 2/2

Code identifying an application

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI15      306      **Action Code**      O ID 1/2

Code indicating type of action

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI16      305      **Transaction Handling Code**      O ID 1/2

Code designating the action to be taken by all parties

Refer to 004010 Data Element Dictionary for acceptable code values.

X      OTI17      641      **Status Reason Code**      O ID 3/3

Code indicating the status reason

Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **REF** Reference Identification

**Position:** 020

**Loop:** OTI Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** [015] REF SEGMENT - Reference Identification

SEGMENT CONDITION: Required when shipment booking number is available.

CHANGE NOTE: Unused REF segments at Index 18 and 24 removed per DM 22 (NVR). Segment Condition added to REF segment for clarity.

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification [016] Reference Identification Qualifier BN Booking Number [016] Booking Number	M ID 2/3
>>	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [017] Reference Identification Enter the carrier booking number.	X AN 1/30
X	REF03	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128 Reference Identification Qualifier	X ID 2/3

			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04004	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04005	128	<b>Reference Identification Qualifier</b>	X ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04006	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **TED** Technical Error Description  
**Position:** 070  
**Loop:** TED Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify the error and, if feasible, the erroneous segment, or data element, or both  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).  
**Notes:** [018] TED SEGMENT - Technical Error Description  
The TED will occur once to identify a rejected Confirmation by the IBS system.

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	TED01	647 Application Error Condition Code	M ID 1/3
		Code indicating application error condition	
		[019] Application Error Condition Code	
		Use the following code values as indicated:	
		'007' - when an IC required data element is not provided. e.g. vessel arrival date, carrier booking number, international radio call sign, carrier's voyage number, carrier's standard alpha code.	
		'024' - when there is no open and/or matching offer in IBS.	
		'848' - when an incorrect data element is used but not within the approved ACI IC. e.g. POD, POE, IRCS, SCAC, carrier's voyage number. (The actual value will be located in TED07.)	
		'Q' - PCFN not found in IBS.	
		'V' - action code unauthorized by TS 301 CONOPS.	
		007 Missing Data	
		[019] Missing Data	
		024 Other Unlisted Reason	
		The reason for the application error condition cannot be described using any other code on the standard code list	
		[019] Other Unlisted Reason	
		848 Incorrect Data	
		[019] Incorrect Data	
		Q Missing or Invalid Item Identification	
		[019] Missing or Invalid Item Identification	
		V Missing or Unauthorized Action Code	
		[019] Missing or Unauthorized Action Code	
	TED02	3 Free Form Message	O AN 1/60
		Free-form text	

[020] Free Form Message

The following free form text as noted in quotes to identify the offending data item:

- 'Arrival Date' - Arrival Date at destination
- 'Booking Number' - Carrier Booking Number
- 'IRCS' - International Radio Call Sign
- 'Voyage Number' - Carrier Voyage Number
- 'SCAC' - Standard Carrier Alpha Code
- 'POD' - Port of Debarkation
- 'POE' - Port of Embarkation
- 'OC' - Offer closed

X	<b>TED03</b>	<b>721</b>	<b>Segment ID Code</b>	<b>O ID 2/3</b>
			Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	
X	<b>TED04</b>	<b>719</b>	<b>Segment Position in Transaction Set</b>	<b>O N0 1/6</b>
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	
X	<b>TED05</b>	<b>722</b>	<b>Element Position in Segment</b>	<b>O N0 1/2</b>
			This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	
X	<b>TED06</b>	<b>725</b>	<b>Data Element Reference Number</b>	<b>O N0 1/4</b>
			Reference number used to locate the data element in the Data Element Dictionary	
	<b>TED07</b>	<b>724</b>	<b>Copy of Bad Data Element</b>	<b>O AN 1/99</b>
			This is a copy of the data element in error	
			[021] Copy of Bad Data Element	
X	<b>TED08</b>	<b>961</b>	<b>Data Element New Content</b>	<b>O AN 1/99</b>
			New data which has replaced erroneous data	

**Segment:** **LM Code Source Information**  
**Position:** 085  
**Loop:** LM Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** [022] LM SEGMENT - Source Information  
 This LM segment is required in order to provide Ocean Carrier Code (SCAC) in LQ Segment.  
  
 CHANGE NOTE: LM segment added to satisfy X12 syntax requirement and user note added to clarify requirement.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
M	LM01	559 Agency Qualifier Code	M ID 2/2
		Code identifying the agency assigning the code values	
		[023] Agency Qualifier Code	
		DF Department of Defense (DoD)	
		[023] Department of Defense (DoD)	
X	LM02	822 Source Subqualifier	O AN 1/15
		A reference that indicates the table or text maintained by the Source Qualifier	

**Segment:** **LQ** Industry Code  
**Position:** 086  
**Loop:** LQ Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** [024] LQ SEGMENT - Industry Code

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LQ01	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
			[025] Code List Qualifier Code	
		45	Ocean Carrier Code	
			An ocean carrier	
			[025] Ocean Carrier Code	
>>	LQ02	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	
			[026] Industry Code	
			Use Standard Carrier Alpha Code (SCAC).	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 090  
**Loop:**  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** [027] SE SEGMENT - Application Advice (Confirmation Response) Trailer

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> M N0 1/10 Total number of segments included in a transaction set including ST and SE segments [028] Number of Included Segments Total segments in this transaction set including the ST and SE segments.
M	SE02	329	<b>Transaction Set Control Number</b> M AN 4/9 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [029] Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.

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## Section 4.0

# IC ELEMENT MATRIX

### OVERVIEW

In order to implement an EDI transaction set, trading partners need to identify the application data elements they plan to exchange, identify where they plan to carry the data within the structure of the EDI transaction (a task commonly called mapping), identify any additional X12 data such as qualifier codes, and publish that information in an implementation convention (IC). This section contains an IC element matrix that lists that information.

### PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. This IC element matrix applies to a specific application database, which is described in the Application Notes section below.

### HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partners need to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix.

#### *Record Types*

The matrix contains two types of records: segment header records and element records.

- Segment header records begin the description of a segment. Each segment header record starts the description of a discrete occurrence of an X12 segment. The element records (see below) that follow a segment header record cannot be co-mingled with elements from other segments, including those segments with matching IDs.
- Element records identify an individual data element that occurs within a segment. Each element satisfies either an application requirement or X12 standard syntax. If one element in a segment is passed, all elements in the segment need to be passed in accordance with the IC requirement designator.

#### *Two Categories of Record Information*

The matrix contains two categories of information: IC application information and ASC X12 information.

- IC application information describes attributes outside the structure and syntax of the ASC X12 standard.

- ASC X12 information is attached to each IC element. That information is extracted directly from the X12 standard dictionary and enables programmers to map the IC element into the standards.

### *Matrix Layout*

The IC element matrix lists information in sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60. GRP = 0 means Data Group values have not been assigned.
- IC Data Element Name (Data Name) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the ASC X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.

- X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.
- X12 Simple Data Element Attributes (Attributes). Attributes listed include the data element requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.
- X12 Composite Data Element Attributes ((Composite) Attributes) . Attributes listed include the simple data element number, requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.

### *Sort Order of the Matrix*

The matrix presents IC elements in an order that enables programmers to generate application-to-translator interface files (also known as user-defined files or UDFs) that are syntactically correct to ASC X12 standards. IC elements are grouped under segment header records. When exchanging an IC element, the programmer needs to generate the entire segment under which the element is listed. Likewise, when exchanging a segment, the programmer needs to generate the entire loop structure to which the segment belongs.

### APPLICATION NOTES

The IC element matrix in this section maps data requirements for the Application Advice (Confirmation Response) into the ASC X12 Transaction Set 824 Application Advice. Transportation activities involved in the DoD electronic data interchange effort developed these requirements.

This IC includes all changes approved by the DTEDI Committee and described in DTEDI data maintenance (DM) items up to the publication date of the IC.

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
1		<b>ST SEGMENT - Application Advice (Confirmation Response) Header</b>		M	1	10	M	1							
2		Transaction Set Identifier Code  824 - Application Advice		M ID 3/3	1	10		1				ST01	143	M ID 3/3	
3		Transaction Set Control Number  Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)		M AN 4/9	1	10		1				ST02	329	M AN 4/9	
4		<b>BGN SEGMENT - Transaction Set Purpose</b>		M	1	20	M	1							
5		Transaction Set Purpose Code  44 - Rejection		M ID 2/2	1	20		1				BGN01	353	M ID 2/2	
6		Reference Identification  Code value '301' used to denote Confirmation (Ocean).		M AN 3/3	1	20		1				BGN02	127	M AN 1/30	
7		Date		M DT 8/8	1	20		1				BGN03	373	M DT 8/8	
8		Reference Identification  The interchange control number.		C AN 1/30	1	20		1				BGN06	127	O AN 1/30	
9		<b>OTI SEGMENT - Original Transaction Identification</b>		M	2	10	M	1	>1	1	OTI				
10		Application Acknowledgment Code  TR - Transaction Set Reject		M ID 2/2	2	10		1	>1	1	OTI	OTI01	110	M ID 1/2	

DoD INFORMATION				X12 SEGMENT INFORMATION									X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
11		Reference Identification Qualifier		M ID 2/2	2	10		1	>1	1	OTI	OTI02	128	M ID 2/3		
			Use this value to indicate a Port Call File Number (PCFN) in data element OTI03. SI - Shipper's Identifying Number for Shipment (SID)													
12		Reference Identification		M AN 4/30	2	10		1	>1	1	OTI	OTI03	127	M AN 1/30		
			If the actual Port Call File Number is not known or is unavailable then enter the text "PCFN".													
13		Group Control Number		C NO 1/9	2	10		1	>1	1	OTI	OTI08	28	C NO 1/9		
14		Transaction Set Control Number		C AN 4/9	2	10		1	>1	1	OTI	OTI09	329	O AN 4/9		
15		<b>REF SEGMENT - Reference Identification</b>		C	2	20	O	12	>1	1	OTI					
			SEGMENT CONDITION: Required when shipment booking number is available.  CHANGE NOTE: Unused REF segments at Index 18 and 24 removed per DM 22 (NVR). Segment Condition added to REF segment for clarity.													
16		Reference Identification Qualifier		M ID 2/2	2	20		12	>1	1	OTI	REF01	128	M ID 2/3		
			BN - Booking Number													
17		Reference Identification		M AN 1/30	2	20		12	>1	1	OTI	REF02	127	C AN 1/30		
			Enter the carrier booking number.													
18		<b>TED SEGMENT - Technical Error Description</b>		M	2	70	O	1	>1	2	TED					
			The TED will occur once to identify a rejected Confirmation by the IBS system.													

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
19		Application Error Condition Code		M ID 1/3	2	70		1	>1	2	TED	TED01	647	M ID 1/3	
<p>Use the following code values as indicated:</p> <p>'007' - when an IC required data element is not provided. e.g. vessel arrival date, carrier booking number, international radio call sign, carrier's voyage number, carrier's standard alpha code.</p> <p>'024' - when there is no open and/or matching offer in IBS.</p> <p>'848' - when an incorrect data element is used but not within the approved ACI IC. e.g. POD, POE, IRCS, SCAC, carrier's voyage number. (The actual value will be located in TED07.)</p> <p>'Q' - PCFN not found in IBS.</p> <p>'V' - action code unauthorized by TS 301 CONOPS.</p> <p>007 - Missing Data</p> <p>024 - Other Unlisted Reason</p> <p>848 - Incorrect Data</p> <p>Q - Missing or Invalid Item Identification</p> <p>V - Missing or Unauthorized Action Code</p>															
20		Free Form Message		C AN 2/14	2	70		1	>1	2	TED	TED02	3	O AN 1/60	
<p>The following free form text as noted in quotes to identify the offending data item:</p> <p>'Arrival Date' - Arrival Date at destination</p> <p>'Booking Number' - Carrier Booking Number</p> <p>'IRCS' - International Radio Call Sign</p> <p>'Voyage Number' - Carrier Voyage Number</p> <p>'SCAC' - Standard Carrier Alpha Code</p> <p>'POD' - Port of Debarkation</p> <p>'POE' - Port of Embarkation</p> <p>'OC' - Offer closed</p>															
21		Copy of Bad Data Element		C AN 1/99	2	70		1	>1	2	TED	TED07	724	O AN 1/99	
22		<b>LM SEGMENT - Source Information</b>		M	2	85	O	1	>1	2	LM				
<p>This LM segment is required in order to provide Ocean Carrier Code (SCAC) in LQ Segment.</p> <p>CHANGE NOTE: LM segment added to satisfy X12 syntax requirement and user note added to clarify requirement.</p>															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
23		Agency Qualifier Code		M ID 2/2	2	85		1	>1	2	LM	LM01	559	M ID 2/2	
			DF - Department of Defense (DoD)												
24		<b>LQ SEGMENT - Industry Code</b>		M	2	86	M	1	100	3	LQ				
25		Code List Qualifier Code		M ID 1/3	2	86		1	100	3	LQ	LQ01	1270	O ID 1/3	
			45 - Ocean Carrier Code												
26		Industry Code		M AN 1/30	2	86		1	100	3	LQ	LQ02	1271	C AN 1/30	
			Use Standard Carrier Alpha Code (SCAC).												
27		<b>SE SEGMENT - Application Advice (Confirmation Response) Trailer</b>		M	2	90	M	1							
28		Number of Included Segments		M NO 1/10	2	90		1				SE01	96	M NO 1/10	
			Total segments in this transaction set including the ST and SE segments.												
29		Transaction Set Control Number		M AN 4/9	2	90		1				SE02	329	M AN 4/9	
			This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.												