



Department
of
Defense

DoD
Transportation
Electronic Business
(DTEB) Convention

ASC X12 Transaction Set 303
Booking Cancellation (Ocean)
(Version 004010)

VERSION 1

March 2015



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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 Booking Cancellation (OCEAN) in support of the Defense Transportation Electronic Business (DTEB) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

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

For the most recent publication, go to the World-Wide Web at

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access the publication, you must have an Information Tool Suite (ITS) account.]

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. Programmers use this section 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 may 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.

What's New In Version 1

Added in Version 1

DM Number	DM Description	Approval Date
1159	At Index 6 (B102 Shipment Identification Number) change the DoD recommended attributes from 1/30 to 8/8.	12/15/2014

Section 2.0

CONTROL SEGMENTS

Instruction

For detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners refer to the DoD Transportation Electronic Business (DTEB) Convention, ASC X12 Control Segments (Version 004010), located at:

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access publication, you must have an ITS account.]

Commercial Trading Partners and DoD personnel that do not hold an ITS account may view the Convention at:

<http://www.transcom.mil/dteb/>

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating Booking Cancellation (Ocean) using ASC X12 Transaction Set 303 Booking Cancellation (Ocean) (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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303 Booking Cancellation (Ocean)

Functional Group ID=**RO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Booking Cancellation (Ocean) Transaction Set (303) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for a shipper or forwarder to cancel a previous booking request.

Heading:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
Not Used	030	Y6	Authentication	O	2		
M	040	Y5	Space Booking Cancellation	M	1		
Not Used	050	V9	Event Detail	O	10		
M	060	SE	Transaction Set Trailer	M	1		

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:
Business Rules: Variable Name: STST
Notes: [1] ST SEGMENT - Booking Cancellation (Ocean) Header

Data Element Summary

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		[1-01] Transaction Set Identifier Code	
		303 Booking Cancellation (Ocean)	
		[1-01] Booking Cancellation (Ocean)	
M	ST02	329 Transaction Set Control Number	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	
		[1-02] Transaction Set Control Number	
		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.)	

Segment: **B1** Beginning Segment for Booking or Pick-up/Delivery
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes:
Semantic Notes:

- 1 B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
- 2 B103 is the booking date accepted by the carrier.

Comments:
Notes: [2] B1 SEGMENT - SCAC

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
B101	140	Standard Carrier Alpha Code Standard Carrier Alpha Code [2-01] Standard Carrier Alpha Code SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	O ID 2/4
M	B102	145 Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) [2-02] Shipment Identification Number Enter in an eight (8) digit alpha numeric code. The first six (6) digits are the Port Call File Number (PCFN) and the last two (2) digits are the year.	M AN 1/30
X	B103	373 Date Date expressed as CCYYMMDD	O DT 8/8
	B104	558 Reservation Action Code Code identifying action on reservation or offering [2-04] Reservation Action Code ELEMENT CONDITION: If canceled prior to booking number issued, use code value 'D'. D Reservation Cancelled [2-04] Reservation Cancelled R Delete [2-04] Delete	O ID 1/1

Segment: **Y5** Space Booking Cancellation
Position: 040
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify booking number for cancellation
Syntax Notes:
Semantic Notes:
Comments:
Notes: [3] Y5 SEGMENT - Booking Number

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	Y501	13	Booking Number	M AN 1/17
			Number assigned by the carrier for space reservation	
			[3-01] Booking Number	

Segment: **SE** Transaction Set Trailer
Position: 060
Loop:
Level: Heading
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: [4] SE SEGMENT - Booking Cancellation (Ocean) Trailer

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			[4-01] Number of Included Segments	
			Total segments in this transaction set including the ST and SE segments.	
M	SE02	329	Transaction Set Control Number	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	
			[4-02] 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.	

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 Booking Cancellation (Ocean) into the ASC X12 Transaction Set 303 Booking Cancellation (Ocean). 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.

DEPARTMENT OF DEFENSE
TRANSPORTATION EDI CONVENTION

BOOKING CANCELLATION (OCEAN)
303.A.004010

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 Lvl	Lp ID	Ref Des	DE #	Attributes
1		ST SEGMENT - Booking Cancellation (Ocean) Header	M		1	010	M	1						
1-01		Transaction Set Identifier Code 303 - Booking Cancellation (Ocean)	M	ID 3/3	1	010	M	1				ST01	143	M ID 3/3
1-02		Transaction Set Control Number 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	010	M	1				ST02	329	M AN 4/9
2		B1 SEGMENT - SCAC	M		1	020	M	1						
2-01		Standard Carrier Alpha Code SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	C	ID 2/4	1	020	M	1				B101	140	O ID 2/4
														B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
2-02		Shipment Identification Number Enter in an eight (8) digit alpha numeric code. The first six (6) digits are the Port Call File Number (PCFN) and the last two (2) digits are the year.	M	AN 8/8	1	020	M	1				B102	145	M AN 1/30
2-04		Reservation Action Code ELEMENT CONDITION: If canceled prior to booking number issued, use code value 'D'. D - Reservation Cancelled R - Delete	C	ID 1/1	1	020	M	1				B104	558	O ID 1/1
3		Y5 SEGMENT - Booking Number	M		1	040	M	1						
3-01		Booking Number	M	AN 1/17	1	040	M	1				Y501	13	M AN 1/17
4		SE SEGMENT - Booking Cancellation (Ocean) Trailer	M		1	060	M	1						
														SE is the last segment of each transaction set.
4-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	NO 1/10	1	060	M	1				SE01	96	M NO 1/10
4-02		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.	M	AN 4/9	1	060	M	1				SE02	329	M AN 4/9