



Department  
of  
Defense

DoD  
Electronic Data  
Interchange (EDI)  
Convention

ASC X12 Transaction Set 213  
Shipment Status Inquiry  
(Version 003020)

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of  
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DoD  
Electronic Data  
Interchange (EDI)  
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ASC X12 Transaction Set 213  
Shipment Status Inquiry  
(Version 003020)

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# 10.0 DoD EDI CONVENTION

## ASC X12 TRANSACTION SET 213 SHIPMENT STATUS INQUIRY (VERSION 003020)

FORMATTING SHIPMENT STATUS INQUIRY INFORMATION  
FOR THE DoD TRANSPORTATION PAYMENT SYSTEM USING  
THE X12.105 TRANSACTION SET 213 SHIPMENT STATUS  
INQUIRY.

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification _____	
By _____	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

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## Contents

FORMATTING SHIPMENT STATUS INQUIRY INFORMATION  
FOR THE DoD TRANSPORTATION PAYMENT SYSTEM USING  
THE X12.105 TRANSACTION SET 213 MOTOR CARRIER  
INVOICE.

### 10.i Introduction

### 10.1 Reserved

### 10.2 Control Segments

### 10.3 Reserved

### 10.4 Reserved

### 10.5 Data Element Cross-Reference Matrix

### 10.6 Reserved

### 10.7 DoD Convention

### 10.A Reserved

### 10.B Reserved

### 10.C Examples - Shipment Status Inquiry From DFAS-IN to MTMC Using ASC X12 213

### 10.D Reserved

### 10.E Reserved

### 10.F Reserved

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## 10.i INTRODUCTION

This is an electronic data interchange (EDI) systems design document that describes the standard or "convention" the Department of Defense (DoD) uses to accept a transportation invoice using the ASC X12.105 Transaction Set 213 Shipment Status Inquiry 003020). It contains information for the design of interface computer programs that link systems application computer programs with an EDI translator computer program.

### Who Needs to Use This Document

Computer programmers can use this document to identify the data in an EDI transaction with data requirements from their specific application database. Conversely, programmers can identify where their applications data requirements should be carried in an EDI transaction.

### Why Use a Convention

There are more ways to complete an EDI transaction than there are ways to fill out a blank form. A convention defines the rules for filling in or "populating" an EDI transaction with a specific data set. Following a convention ensures the integrity of data that is produced and processed by EDI-capable computer systems.

### Contents

Four sections are included in this document.

- Section 10.2, Control Segments, identifies the specific data requirements for formatting the interchange control segments needed to send and receive EDI transactions.
- Section 10.5, Data Element Cross-Reference Matrix, lists the DoD's data requirements and specifies where each data element should be carried in the transaction set. This section can be used to map an existing application database into the transaction set.
- Section 10.7, DoD Conventions, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the cross-reference data element from Section 10.5. This section can be used to interpret segments and data elements of a populated transaction set.
- Appendices contain examples of populated transaction sets, DoD code lists, and other items that serve as references for software developers.

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## 10.2 Control Segments

### Overview

This chapter describes the EDI control segments (interchange control and functional group segments). The control segment information was derived from the ASC X12 Standards Draft Version 3 Release 2 (003020).

### Purpose

This chapter 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

Two items are included in this chapter.

- Table 10.2-1, Interchange Control Segment Hierarchy, identifies the control segments in their order of occurrence in an EDI communications interchange.
- Table 10.2-2, DoD Convention ASC X12 Control Segments, presents a detailed description of the DoD's data conventions for formatting EDI standard control segments. All segments identified in Table 10.2-1 are broken down and described by their discrete data elements.

### Special Instructions

Any unique eight-bit (byte) character could serve as data element separator, segment terminator, or subelement 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. The following recommended values are based on information published in Electronic Data Interchange, X12 Standards, Version 3, Release 2, Appendix B, Section 3.

#### Data Element Separator

While the data element separator is graphically displayed as an asterisk (\*) 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.

ASC X12 recommends the ASCII character with hexadecimal value "1D" for use as the data element separator (gs).

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.

Subelement Separator

The ISA segment provides a discrete element (ISA16) for defining the subelement separator within an interchange. Although designated as reserved for future expansion in Version 3, Release 2, a value in ISA16 is required.

ASC X12 recommends the ASCII character with hexadecimal value "1F" for use as the subelement separation (us) character.

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**TABLE 10.2-1**

**Control Segment Hierarchy**

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**Interchange Control Envelope  
 Control Segments**

Industry	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	ISA	Interchange Control Header	M	1	
USE	20	GS	Functional Group Header	M	1	
			•			
			• Grouped Transactions			
			•			
USE	30	GE	Functional Group Trailer	M	1	
USE	40	IEA	Interchange Control Trailer	M	1	

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**TABLE 10.2-2**

**DoD Convention**

**ASC X12 Control Segments**

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**Segment:** **ISA** Interchange Control Header

**Usage:** M

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

**Note:** The interchange control number value in this header must match the value in the same data element in the corresponding interchange control trailer.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the authorization information.	M ID 2/2
		<u>Code</u>	<u>Definition</u>
		00	No Authorization Information Present.
ISA02	I02	<b>Authorization Information</b> Information used for additional identification or authorization of the sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier.	M AN10/10
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>	<u>Definition</u>
		00	No Security Information Present.
ISA04	I04	<b>Security Information</b> This is used for identifying the security information about the sender or the data in the interchange. The type of information is set by the Security Information Qualifier.	M AN10/10

Authorization Qualifier  
[001 ]

Authorization Info  
[002 ]

No authorization information is present, fill field with zeroes.

Security Qualifier  
[003 ]

Security Info  
[004 ]

No security information is present,  
fill field with zeroes.

Sender Qualifier  
[005 ]

Use authorized X12 code list.

Sender ID  
[006 ]

DoD activities use Department of  
Defense Activity Address Code  
(DoDAAC) or other code coordi-  
nated with the Defense Transpor-  
tation EDI Administrator.  
Non-DoD activities use identifica-  
tion code qualified by ISA05 and  
coordinated with value-added  
network (VAN).

Interchange Qualifier  
[007 ]

Use authorized X12 code list.

**ISA05 I05 Interchange ID Qualifier M ID 2/2**

Qualifier to designate the system/method of code  
structure used to designate the sender or receiver  
ID element being qualified.

**ISA06 I06 Interchange Sender's ID M AN15/15**

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 number in the  
sender ID element.

**ISA07 I05 Interchange ID Qualifier M ID 2/2**

Qualifier to designate the system/method of code  
structure used to designate the sender or receiver  
ID element being qualified.

**ISA08 I07 Interchange Receiver's ID M AN15/15**

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.

Receiver ID  
[008 ]

DoD activities use Department of Defense Activity Address Code (DoDAAC) or other code coordinated with the Defense-Transportation EDI Administrator. Non-DoD activities use identification code qualified by ISA07 and coordinated with value-added network (VAN).

Date  
[009 ]

Date assigned by translation software.

Time  
[010 ]

Time, expressed in HHMM format, assigned by translation software.

Standards ID  
[011 ]

Version ID  
[012 ]

Version/release of control segment, as defined or agreed upon by the trading partners.

**ISA09 I08 Interchange Date M DT 6/6**  
Date of the interchange.

**ISA10 I09 Interchange Time M TM 4/4**  
Time of the interchange.

**ISA11 I10 Interchange Control Standards Identifier M ID 1/1**  
Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.

Code Definition

U U.S. EDI Community of ASC X12, TDCC, and UCS

**ISA12 I11 Interchange Control Version Number M ID 5/5**  
This version number covers the interchange control segments.

Code Definition

00302 Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1991

Interchange Control Number  
[013 ]

Assigned by translation software.

Acknowledgment Request  
[014 ]

Code value agreed upon by trading partners.

Test Indicator  
[015 ]

Code value agreed upon by trading partners.

Subelement Separator  
[016 ]

ASC X12 recommends the ASCII character with hexadecimal value "1F" for use as the subsequent separation character.

**ISA13 I12 Interchange Control Number M N0 9/9**

This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.

**ISA14 I13 Acknowledgment Requested M ID 1/1**

Code sent by the sender to request an interchange acknowledgement.

<u>Code</u>	<u>Definition</u>
-------------	-------------------

0	No Acknowledgment Requested
1	Interchange Acknowledgement Requested

**ISA15 I14 Test Indicator M ID 1/1**

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

<u>Code</u>	<u>Definition</u>
-------------	-------------------

P	Production Data
T	Test Data

**ISA16 I15 Subelement Separator M AN 1/1**

This is a field reserved for future expansion in separating data element subgroups. (In the interest of a migration to international standards, this must be different from the data element separator).

**Segment:** **GS** Functional Group Header

**Usage:** M

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

**Comment:** 00 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

04 GS04 is the Group Date.

05 GS05 is the Group Time.

**Syntax Notes:** 06 The data interchange control number GS06 in this header must be identical to the same data element in the associated Functional Group Trailer GE02.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
------------------	---------------------	-------------	-------------------

<b>GS01</b>	<b>479</b>	<b>Functional ID Code</b>	<b>M ID 2/2</b>
-------------	------------	---------------------------	-----------------

Code identifying a group of application related Transaction Sets.

**Code Definition**

IA	110 - Air Freight Details and Invoice
IM	210 - Freight Details and Invoice (Motor)
MI	213 - Carrier Shipment Status Inquiry
QM	214 - Shipment Status Message
IR	410 - Freight Details and Invoice (Rail)
TS	602 - Transportation Services
RA	820 - Payment Order/Remittance Advice
SI	858 - Shipment Information
FB	859 - Freight Invoice (Generic Mode)
CG	994 - Administrative Message
FA	997 - Functional Acknowledgement

Functional ID  
[020 ]

Choose the code value appropriate to the transaction type of the functional group. See X12 Dictionary for source code list.

<b>GS02</b>	<b>142</b>	<b>Application Sender's Code</b>	<b>M AN 2/15</b>
-------------	------------	----------------------------------	------------------

Code identifying party sending transmission. Codes agreed to by trading partners.

**Sender's Code**  
 [021]

DoD activities use Department of Defense ActivityAddress Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA06.

**Receiver's Code**  
 [022]

DoD activities use Department of Defense ActivityAddress Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA08.

**Date**  
 [023]

Date assigned by translation software.

**Time**  
 [024 ]

Time, expressed in HHMM format, assigned by translation software.

**Group Control Number**  
 [025 ]

Assigned by translation software.

**GS03 124 Application Receiver's Code M AN 2/15**

Code identifying party receiving transmission. Codes agreed to by trading partners.

**GS04 373 Date M DT 6/6**

Date (YYMMDD).

**GS05 337 Time M TM 4/6**

Time expressed in 24 hour clock time (HHMMSS) (Time range: 000000 through 235959).

**GS06 28 Group Control Number M NO 1/9**

Assigned number originated and maintained by the sender.

**GS07 455 Responsible Agency Code M ID 1/2**

Code used in conjunction with Data Element 480 to identify the issuer of the standard.

Agency Code  
[026 ]

Indicates that an ANSI X12 standard is being transmitted.

Version/Release  
[027 ]

Version/release for transactions in the functional group. See X12 Dictionary for source code list.

Code    Definition

X            Accredited Standards Committee X12

**GS08 480 Version/Release/Industry ID Code M AN 1/12**  
Code indicating the version, release, subrelease and industry identifier of the EDI standard being used (see X12 Dictionary).

Code    Definition

003020    Draft Standard Approved By ASC X12 Through June 1991

**Segment:** **GE** Functional Group Trailer

**Usage:** M

**Purpose:** To indicate the end of a functional group and to provide control information.

**Comment:** 00 The use of identical data interchange control numbers in the associated functional group header and trailer is assigned to maximize functional group integrity. The control number is the same as that used in the corresponding header.

**Syntax Notes:** 02 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated Functional Group Header GS06.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GE01	97	Number of Included Sets	M NO 1/6
		Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.	
GE02	28	Group Control Number	M NO 1/9
		Assigned number originated and maintained by the sender.	

Number of Segments  
[028 ]

Assigned by the translation software.

Group Control Number  
[029 ]

Assigned by the translation software. This control number must match the control number that occurs in GS06.

**Segment:** IEA Interchange Control Trailer

**Usage:** M

**Purpose:** To define the end of an interchange of one or more functional groups and interchange-related control segments.

**Note:** The interchange control number in this trailer must match the value in the same data element in the corresponding interchange header.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
IEA01	I16	Number of Included Functional Groups	M NO 1/5
		A count of the number of functional groups included in a transmission.	

Functional Group Count  
[040 ]

Assigned by translation software.

IEA02	I12	Interchange Control Number	M NO 9/9
		This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.	

Interchange Control Number  
[041 ]

Assigned by translation software.  
This number must match the number that occurs in ISA13.

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## 10.5 DATA ELEMENT CROSS-REFERENCE MATRIX

### Overview

This chapter lists the data element cross-reference for DoD ASC X12.105 Transaction Set 213 Shipment Status Inquiry (003020). We derived the cross-reference from the following:

- Examination of DoD shipment status inquiry information data requirements.
- Analysis of ASC X12.105 Transaction Set 213 Shipment Status Inquiry.
- Comments submitted by Defense Finance and Accounting Service - Indianapolis Center (DFAS-IN) and MTMC.

### Purpose

This chapter identifies the specific data in an application and their corresponding EDI mapping into the Transaction Set 213. The resultant cross-reference matrix can be used to identify data elements from an existing application database. If no application exists, the matrix provides enough information to develop a database design to automate the application. With an application in place, the matrix will expedite mapping of the database into a commercial EDI translation package. All trading partners who plan to exchange the 213 with DoD can use this cross-reference matrix to develop their database/EDI translator interface program.

### Contents

Table 10.5-1, Data Element Cross-Reference, lists all discrete data elements required for the shipment status inquiry, corresponding segments, and data element numbers for the ASC X12.105 Transaction Set 213 Shipment Status Inquiry.

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## TABLE 10.5-1

### DATA ELEMENT CROSS-REFERENCE

#### Data Requirements for Generating DoD Shipment Status Inquiry Information using the X12.105 Transaction Set 213 Shipment Status Inquiry

#### How To Read This Table

Table 10.5-1 cross-references discrete DoD shipment status inquiry data requirements to the corresponding segment and data elements of the Transaction Set 213. The following definitions explain how Table 10.5-1 is organized. Understanding the information in this table requires familiarity with EDI standards.

#### Government References

The first three columns on the left in Table 10.5-1 identify the specific invoice data element.

- **DATA NAME:** Lists individual data elements required to send a shipment status inquiry. Users should identify these elements with a data name in their internal database system.
- **INDEX:** Three entries may appear in this column and represent various levels of indexing used to sort the data names in a data dictionary.
- **Data Grp:** This column contains a numeric value which is used to classify data elements to a functional area of a business transaction set. See Special Instructions below for further explanation.

#### EDI References

The remaining seven columns identify the detailed mapping of each data name into Transaction Set 213. Use of these references is explained below in "How To Use This Table".

- **TBL:** The table area of the transaction set where the data are mapped. 1 = header, 2 = detail, 3 = summary.
- **POS:** The sequential position of a specific segment within the table area of the transaction set.
- **REF DES:** The alphanumeric characters identify a transaction set segment; the two numeric characters in the column identify a data element position in the segment.
- **DE #:** The EDI data element number that appears at that position in the segment.

- VALUE: The recommended code value(s) that should be used.
- DoD CONVENTIONS: Additional information about the data as they apply to DoD use.

### How To Use This Table

This table traces a data element to a specific data element in the EDI transaction set convention Table 10.7-3.

1. Select any data element from the DATA NAME list.
2. Identify the TBL, POS, and REF DES for that DATA NAME.
3. Go to Table 10.7-2, DoD Segment Hierarchy.
4. Find the TBL (Table 1 = header, etc.) in the hierarchy.
5. Locate the segment that corresponds to the POS and the REF DES. (NOTE: Where the POS does not appear in some hierarchy tables, use the segment ID identified by the alphanumeric characters in the REF DES.)
6. In the left-hand column, identify the page number of the segment ID.
7. Turn to that page number in Table 10.7-3.
8. In Table 10.7-3, find the REF DES from step 2 under the Ref. Des. column to the right of the double vertical lines on the page.
9. You have now traced a data element from Table 10.5-1 to Table 10.7-3.

From Table 10.5-1, the DATA NAME along with its INDEX and the DoD CONVENTION appear in the left-hand column of Table 10.7-3. The EDI standard definition of the data element appears in the right-hand column of the page.

Each DATA NAME from Table 10.5-1 can be traced to the transaction set in this manner.

NOTE: To reference from Table 10.7-3 back to Table 10.5-1, use the INDEX as a look-up key.

### Special Instructions

- The Data Group identifier groups functionally similar data. Those groups are described below:

- > Data Group 10 - Header Information. Elements in this group generally occur in the header area of the transaction set. This group occurs once per shipment status inquiry.
- > Data Group 70 - Tendered to Carrier SCAC Information. This group occurs once per shipment status inquiry.
- > Data Group 72 - Origin Information. This group occurs once per shipment status inquiry.
- > Data Group 73 - Consignee Information. This group occurs once per shipment status inquiry.
- > Data Group 900 - Shipment Status Inquiry Totals Information. This group occurs once per shipment status inquiry.

SHIPMENT STATUS INQUIRY  
DATA NAME

INDEX	Q	A	POS	REF DES	DE #	VALUE	DoD CONVENTION
Transaction Set ID Code	[001]	I	10 1	10	ST01	143 213	- Inquiry (Motor)
Transaction Set Control Number	[002]	I	10 1	10	ST02	329	
Requestor ID	[003]	I	10 1	20	B1101	66 10	- Department of Defense Activity Address Code (DoDAAC)
Requestor	[004]	I	10 1	20	B1102	67 2	- Standard Carrier Alpha Code (SCAC)
Pickup Date of Shipment	[005]	I	10 1	20	B1103	373	
Carrier Invoice/Number Qualifier	[007]	I	10 1	40	REF01	128 CN	- Carrier's Reference Number
Carrier Invoice/Number	[008]	I	10 1	40	REF02	127	
Government Bill Number Qualifier	[009]	I	10 1	40	REF01	128 BL	- Government Bill of Lading
Government Bill Number	[010]	I	10 1	40	REF02	127	
Transportation Company Tendered To Qualifier	[011]	I	70 1	60	N101	98 CA	- Carrier
Transportation Company SCAC Qualifier	[012]	I	70 1	60	N103	66 2	- Standard Carrier Alpha Code (SCAC)
Transportation Company SCAC	[013]	I	70 1	60	N104	67	
Issuing Office Qualifier	[014]	I	72 1	60	N101	98 RG	- Responsible Installation, Origin

The application and structure of the control number must be agreed upon between the DoD and its trading partner. The first five digits will indicate the interchange control number. The last four digits represent the sequence of the transaction set within the functional group.

Qualify in B1101.

Date shipment is picked up by carrier.

Do not carry punctuation or special characters in this data.

Issuing Office GBLOC Qualifier [015 J 72 1 60 N103 66 27 - Government Bill of Lading Office Code (GBLOC)

Issuing Office GBLOC [016 J 72 1 60 N104 67

CHANGE NOTE: Change Data Name. DTSSC DM 32.  
Requester: MTMC-CFM

Consignee Qualifier [017 J 73 1 60 N101 98 RH - Responsible Installation, Destination

Consignee GBLOC Qualifier [018 J 73 1 60 N103 66 27 - Government Bill of Lading Office Code (GBLOC)

Consignee GBLOC [019 J 73 1 60 N104 67

CHANGE NOTE: Change Data Name. DTSSC DM 32.  
Requester: MTMC-CFM

Payment Processing Cut-Off Date [0019 A J 10 1 110 K201 3

Final date for accepting shipment or status information by payment center prior to payment processing. Qualify the date with '09:'. Use the date format of YYMMDD and begin the date in the first position after the colon. The complete segment would look like the following example:  
K2\*09:920101 n/l.

Number of Included Segments [020 J 900 1 120 SE01 96

Transaction Set Control Number [021 J 900 1 120 SE02 329

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## 10.7 DoD CONVENTIONS

### Overview

This chapter presents the DoD's convention for accepting a shipment status inquiry using the ASC X12.105 Transaction Set 213 (Version 003020). It was derived from:

- Table 10.5-1, Data Element Cross-Reference Matrix, that describes the discrete DoD data requirements for invoices.
- ASC X12.105 Transaction Set 213 Shipment Status Inquiry.

A relational database management system was used to merge the Data Element Cross-Reference Matrix and a Transaction Set 213 database into the subset of 213 segments described in Table 10.7-3 of this chapter.

### Purpose

This chapter contains all necessary information for a DoD trading partner to map and translate a Transaction Set 213. All trading partners who plan to exchange the Transaction Set 213 can use this document as a reference for the development of their EDI database/translator interface program.

### Contents

This chapter contains three tables.

- Table 10.7-1, ASC X12.105 Transaction Set 213 DoD Segment Hierarchy, describes the 213 segments as they appear in the ASC X12 Standards Dictionary.
- Table 10.7-2, DoD Model Transaction Set 213 DoD Segment Hierarchy, describes the subset of 213 segments used for sending shipment status inquiry.
- Table 10.7-3, DoD 213 Convention, is a detailed description of the DoD's convention for transmitting Transaction Set 213. All segments identified in Table 10.7-2 are detailed in Table 10.7-3 by segment, position, and code value.

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**TABLE 10.7-1**

**SEGMENT HIERARCHY**

**ASC X12.105 TRANSACTION SET 213  
SHIPMENT STATUS INQUIRY  
(Version 003020)**

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**ASC X12.105 Transaction Set 213**  
**Shipment Status Inquiry (Version 003020)**  
**Segment Hierarchy**

Table 1 - Header Area

Industry	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	ST	Transaction Set Header	M	1	
USE	20	B11	Beginning Segment for Shipment Status Inquiry	M	1	
	30	C3	Currency	O	1	
USE	40	REF	Reference Numbers	O	10	
	50	L10	Weight	O	5	
USE	60	N1	Name	O	1	N1/5
	70	N2	Additional Name Information	O	1	
	80	N3	Address Information	O	2	
	90	N4	Geographic Location	O	1	
	100	REF	Reference Numbers	O	10	
USE	110	K2	Administrative Message	O	2	
USE	120	SE	Transaction Set Trailer	M	1	

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**TABLE 10.7-2**

**DoD SEGMENT HIERARCHY**

**DoD MODEL FOR TRANSACTION SET  
213 SHIPMENT STATUS INQUIRY**

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**DoD Model Transaction Set 213  
Shipment Status Inquiry  
Segment Hierarchy**

Table 1 - Header Area

Page No.	Pos No.	Seg ID	Name	Req Des	Use	Loop
13	10	ST	Transaction Set Header	M	1	
14	20	B11	Beginning Segment for Shipment Status Inquiry	M	1	
16	40	REF	Reference Numbers	O	10	
17	60	N1	Name	O	1	N1/5
19	110	K2	Administrative Message	O	2	
20	120	SE	Transaction Set Trailer	M	1	

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## TABLE 10.7-3

### DoD 213 CONVENTION

#### How To Read This Table

This table contains two sets of references: ASC X12 references are provided in the right-hand column, while Government references are presented in the left-hand column except for codes lists which are included in the right-hand column.

#### ASC X12 References

The right-hand column describes the ASC X12 convention. The information included at the beginning of a segment description is standard ASC X12 information. The subheadings listed under Data Element Summary describe conventions for each data element in the segment.

- > Ref Des, Data Element, Attributes: Three subheadings describe the format of the segment as prescribed by ASC X12.
- > Name: Describes the ASC X12 data element and offers the standard definition. It also lists the specific code values the DoD prescribes and may provide other DoD information.

#### Government References

The left-hand and middle columns in Table 10.7-3 describe the DoD's conventions.

- Left-hand column contains two general references.
  - > INDEX: It is enclosed in brackets and corresponds to a specific INDEX from Table 10.5-1.
  - > DATA NAME: Appears above the INDEX and corresponds to a specific DATA NAME from Table 10.5-1.
- Middle column: May contain a less-than sign (<) to indicate where the DoD's convention varies from the ASC X12.

To help the user determine the source data, the INDEX can be used to trace data elements back to Table 10.5-1.

#### How To Use This Table

This table can be used to identify the data contained in a populated Transaction Set 213.

1. Identify a segment from a populated transaction set (see Appendix 10.C for examples of the 213).

2. Look up the segment in Table 10.7-3.

3. Read the right-hand column to identify the Reference Designator (Ref.Des.). The Reference Designator combines the segment ID and the data element position to form a single identifier.

4. Read the left-hand column immediately adjacent to the Reference Designator to find the discrete DATA NAME, INDEX, and DoD CONVENTION that can be traced to Table 10.5-1 for that Reference Designator. When multiple DATA NAMES appear for a single Reference Designator, there is usually a code qualifier within the same segment that identifies the data.

**Segment:** ST Transaction Set Header

**Level:** 1

**Sequence:** 10

**Usage:** M

**Max Use:** 1

**Loop:**

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

**Comment:** 01 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	

Code    Definition

213    Inquiry

ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a transaction set.	

Transaction Set ID Code  
[001 ]

Transaction Set Control  
Number  
[002 ]

The application and structure of the control number must be agreed upon between the DoD and its trading partner. The first five digits will indicate the interchange control number. The last four digits represent the sequence of the transaction set within the functional group.

**Segment:** B11 Beginning Segment for Shipment Status Inquiry

**Level:** 1

**Sequence:** 20

**Usage:** M

**Max Use:** 1

**Loop:**

**Purpose:** To transmit identifying numbers, dates and other basic data relating to the transaction set.

**Comment:** 01 B1101 identifies the requestor.

03 B1103 Date is the pick-up date.

**Syntax Notes:** 04 P0405 - If either B1104 or B1105 is present, then the other is required.

06 P0607 - If either B1106 or B1107 is present, then the other is required.

08 P0809 - If either B1108 or B1109 is present, then the other is required.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
-----------	--------------	------	------------

B1101	66	Identification Code Qualifier	M ID 1/2
Code designating the system/method of code structure used for Identification Code (67).			

**Code Definition**

10	Department of Defense Activity Address Code (DoDAAC)
2	Standard Carrier Alpha Code (SCAC)

B1102	67	Identification Code	M AN 2/17
Code identifying a party.			

B1103	373	Date	O DT 6/6
Date (YYMMDD).			

B1104	355	Unit of Measurement Code	C ID 2/2
-------	-----	--------------------------	----------

Requestor ID  
[003 ]

Requestor  
[004 ]  
Qualify in B1101.

Pickup Date of Shipment  
[005 ]

Date shipment is picked up by carrier.

B1105	380	Quantity	C	R	1/15
B1106	522	Amount Qualifier Code	C	ID	1/2
B1107	782	Monetary Amount	C	R	1/15
B1108	349	Item Description Type	C	ID	1/1
B1109	352	Description	C	AN	1/80

**Segment:** REF Reference Numbers

**Level:** 1

**Sequence:** 40

**Usage:** M

**Max Use:** 10

**Loop:**

**Purpose:** To specify identifying numbers.

**Syntax Notes:** 02 R0203 - At least one of REF02 or REF03 is required.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
------------------	---------------------	-------------	-------------------

REF01	128	Reference Number Qualifier	M ID 2/2
-------	-----	----------------------------	----------

Code qualifying the Reference Number.

Code Definition

CN Carrier's Reference Number

Code Definition

BL Government Bill of Lading

REF02	127	Reference Number	C AN 1/30
-------	-----	------------------	-----------

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Carrier Invoice/Number  
Qualifier  
[007 ]

Government Bill Number  
Qualifier  
[009 ]

Carrier Invoice/Number  
[008 ]

Government Bill Number  
[010 ]

Do not carry punctuation or special characters in this data.

REF03	352	Description	C AN 1/80
-------	-----	-------------	-----------

**Segment:** N1 Name

**Level:** 1

**Sequence:** 60

**Usage:** M

**Max Use:** 1

**Loop:**

**Purpose:** To identify a party by type of organization, name and code

**Comment:** 04 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**Syntax Notes:** 02 R0203 - At least one of N102 or N103 is required.

03 P0304 - If either N103 or N104 is present, then the other is required.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		<u>Code</u> <u>Definition</u>	
		CA        Carrier	
		<u>Code</u> <u>Definition</u>	
		RG        Responsible Installation, Origin	
		<u>Code</u> <u>Definition</u>	
		RH        Responsible Installation, Destination	
N102	93	Name	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2

Transportation Company  
Tendered To Qualifier  
[011 ]

Issuing Office Qualifier  
[014 ]

Consignee Qualifier  
[017 ]

Transportation Company  
SCAC Qualifier  
[012 ]

<u>Code</u>	<u>Definition</u>
2	Standard Carrier Alpha Code (SCAC)

Issuing Office GBLOC  
Qualifier  
[015 ]

<u>Code</u>	<u>Definition</u>
27	Government Bill of Lading Office Code (GBLOC)

Consignee GBLOC Qualifier  
[018 ]

<u>Code</u>	<u>Definition</u>
27	Government Bill of Lading Office Code (GBLOC)

**N104 67 Identification Code C AN 2/17**  
Code identifying a party.

Transportation Company  
SCAC  
[013 ]

Issuing Office GBLOC  
[016 ]

Consignee GBLOC  
[019 ]

**Segment:** K2      Administrative Message  
**Level:** 1  
**Sequence:** 110  
**Usage:** M  
**Max Use:** 2  
**Loop:**  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
K201	3	Free Form Message Free-form text.	M AN 1/60

**Payment Processing Cut-Off  
Date  
[0019 A ]**

Final date for accepting shipment or status information by payment center prior to payment processing. Qualify the date with '09:'. Use the date format of YYMMDD and begin the date in the first position after the colon. The complete segment would look like the following example:  
K2\*09:920101 n/.

**Segment:** SE Transaction Set Trailer  
**Level:** 1  
**Sequence:** 120  
**Usage:** M  
**Max Use:** 1  
**Loop:**  
**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).  
**Comment:** 00 SE is the last segment of each transaction set.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments	M NO 1/6 Total number of segments included in a transaction set including ST and SE segments.
SE02	329	Transaction Set Control Number	M AN 4/9 Identifying control number assigned by the originator for a transaction set.

Number of Included Segments  
[020 ]

Transaction Set Control Number  
[021 ]

## **10.C Examples - X12.105 Transaction Set 213 Shipment Status Inquiry**

This appendix contains an example of the ASC X12 Transaction Set 213 as it is used by the Defense Finance and Accounting Service - Indianapolis (DFAS-IN) to request the status of a shipment from the Military Traffic Management Control (MTMC).

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**Example - Shipment status inquiry from DFAS-IN to MTMC Using the 213**

ST\*213\*123450001 n/l

Transaction header

B11\*10\*CW53HJT\*910815 n/l

Transaction purpose and pickup date

REF\*CN\*824765 n/l

Carrier Invoice/PRO number

REF\*BL\*C0173900 n/l

Bill of lading number

N1\*CA\*\*2\*PIEC n/l

Carrier SCAC

N1\*RG\*\*27\*LNFL n/l

Issuing Office GBLOC

N1\*RH\*\*27\*ELFL n/l

Consignee GBLOC

K2\*09:910913

Payment processing cut-off date

SE\*9\*123450001 n/l

Transaction trailer

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# REPORT DOCUMENTATION PAGE

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