

DEPARTMENT OF DEFENSE
DRAFT IMPLEMENTATION CONVENTION

AD-A263 444



INVOICE (PUBLIC VOUCHER)
810.003010DoD_

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Draft

Department
of
Defense

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S E D

DoD

Electronic Data Interchange (EDI) Convention

ASC X12 Transaction Set 810
Invoice (Public Voucher)
(Version 003010)

93-08753



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10.0 DoD EDI CONVENTION

ASC X12 TRANSACTION SET 810 INVOICE (PUBLIC VOUCHER) (VERSION 003010)

FORMATTING INVOICE INFORMATION FOR THE DoD PAY-
MENT SYSTEM USING THE ASC X12 TRANSACTION SET 810
INVOICE (PUBLIC VOUCHER).

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INVOICE (PUBLIC VOUCHER).

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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) will use to accept an invoice using the ASC X12 Transaction Set 810 Invoice (003010). It contains information for the design of interface computer programs that serve to link systems application computer programs and an EDI translator computer program.

Who Needs to Use This Document

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

Why Use a Convention

There are more ways to populate 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 EDI interchange control segments when sending and receiving EDI transactions.
- Section 10.5, Data Element Cross-Reference Matrix, lists the data requirements of DoD 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.
- The Appendix contains an example of a populated transaction set.

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10.2 Control Segments

Overview

This chapter describes the Electronic Data Interchange (EDI) control segments (interchange control segments and functional group segments). The control segment information was derived from the ASC X12 Standards Draft Version 3 Release 1 (003010).

Purpose

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

Contents

Two items are included in this chapter.

- Table 10.2-1, Interchange Control Segment Hierarchy describes the control segments in their order of occurrence in an EDI communications interchange.
- Table 10.2-2, DoD Convention ASC X12 Control Segments is a detailed description of the Department of Defense 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.

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TABLE 10.2-1

Control Segment Hierarchy

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Interchange Control Envelope Control Segments

	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. The actual values of the data element separator and the segment terminator for this interchange are set by the interchange control header. For a particular interchange, the value at the fourth character position is the data element separator, and the value of the last character position is the value of the segment terminator.

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	Authorization Information Qualifier Code to identify the type of information in the Authorization Information.	M ID 2/2				
<table><tr><th><u>Code</u></th><th><u>Definition</u></th></tr><tr><td>00</td><td>No Authorization Information Present</td></tr></table>				<u>Code</u>	<u>Definition</u>	00	No Authorization Information Present
<u>Code</u>	<u>Definition</u>						
00	No Authorization Information Present						
ISA02	I02	Authorization Information Information used for additional identification or authorization of the sender or the data in the interchange.	M AN 10/10				
ISA03	I03	Security Information Qualifier Code to identify the type of information in the security information.	M ID 2/2				

Authorization Qualifier
[001]

Authorization Info
[002]

If no authorization information is agreed to by trading partners, fill field with zeroes.

Security Qualifier
[003]

Code Definition

00 No security information present.

Security Info
[004]

If no security information is agreed
to by trading partners, fill field with
zeros.

ISA04 I04 Security Information M AN 10/10
This is used for identifying the security information
about the sender or the data in the interchange.

Sender Qualifier
[005]

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 ID element
being qualified.

Sender Id
[006]

DoD activities use Department of
Defense Activity Address Code
(DoDAAC) or other code coor-
dinated with the value-added net-
work (VAN). Non-DoD activities use
identification code qualified by
ISA05 and coordinated with the VAN.

ISA06 I06 Interchange Sender's Id M ID 15/15
Identification code published by the sender for
other parties to use as the receiver ID to route data
to them.

Interchange Qualifier
[007]

Use authorized X12 code list.

ISA07 I05 Interchange Id Qualifier M ID 2/2
Code to identify the type of information in the
Authorization Information.

Receiver Id [008] DoD activities use Department of Defense Activity Address Code (DoDAAC) or other code coordinated with the value-added network (VAN). Non-DoD activities use identification code qualified by ISA05 and coordinated with the VAN.		ISA08	107	Interchange Receiver's Id Identification code published by the receiver of the data.	M ID 15/15
Date [009] Assigned by translation software.		ISA09	108	Interchange Date Date of the interchange.	M DT 6/6
Time [010] Assigned by translation software.		ISA10	109	Interchange Time Time of the interchange.	M TM 4/4
Standards Id [011]		ISA11	110	Interchange Control Standard Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.	M ID 1/1
Version Id [012] Version ID as defined or agreed upon by the trading partners.		ISA12	111	Interchange Control Version This version number covers the interchange control segments and the functional group control segments.	M ID 5/5
				<u>Code</u> <u>Definition</u> 03010 Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1990	

Interchange Control Number [013] Assigned by translation software.	ISA13 I12 Interchange Control Number M NO 9/9 This number uniquely identifies the interchange data to the sender.						
Acknowledgment Request [014] Code value agreed upon by trading partners.	ISA14 I13 Acknowledgment Requested M ID 1/1 Code sent by the sender to request an interchange acknowledgement. <table> <tr> <th>Code</th><th>Definition</th></tr> <tr> <td>0</td><td>No Acknowledgment Requested</td></tr> <tr> <td>1</td><td>Interchange Acknowledgement Requested</td></tr> </table>	Code	Definition	0	No Acknowledgment Requested	1	Interchange Acknowledgement Requested
Code	Definition						
0	No Acknowledgment Requested						
1	Interchange Acknowledgement Requested						
Test Indicator [015] Code value agreed upon by trading partners.	ISA15 I14 Test Indicator M ID 1/1 Code to indicate whether data enclosed by this interchange envelope is test or production. <table> <tr> <th>Code</th><th>Definition</th></tr> <tr> <td>P</td><td>Production Data</td></tr> <tr> <td>T</td><td>Test Data</td></tr> </table>	Code	Definition	P	Production Data	T	Test Data
Code	Definition						
P	Production Data						
T	Test Data						
Subelement Separator [016] Use ASCII character 55, colon ':'.	ISA16 I15 Subelement Separator M AN 1/1 This is a field reserved for future expansion in separating data element subgroups.						

Segment: GS Functional Group Header

Usage: M

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

Comment: A. 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.

Syntax Notes: 01 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

Ref. Des.	Data Element	Name	Attributes
GS01	479	Functional Id Code Code identifying a group of application related Transaction Sets.	M ID 2/2
		<u>Code</u> <u>Definition</u>	
		IN 810 - Invoice Information	
GS02	142	Application Sender's Code Code identifying party sending transmission. Codes agreed to by trading partners.	M ID 2/12
GS03	124	Application Receiver's Code Code identifying party receiving transmission. Codes	M ID 2/12

Functional Id
[020]

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

Sender's Code
[021]

DoD activities use Department of Defense Activity Address 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 Activity Address 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] Assigned by translation software. Time [024] Assigned by translation software. Group Control Number [025] Assigned by translation software. Agency Code [026] Indicates that an ANSI X12 standard is being transmitted.	agreed to by trading partners. <table><tr><td>GS04</td><td>29</td><td>Group Date</td><td>M DT 6/6</td><td>Date sender generated a functional group of transaction sets.</td></tr><tr><td>GS05</td><td>30</td><td>Group Time</td><td>M TM 4/4</td><td>Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).</td></tr><tr><td>GS06</td><td>28</td><td>Group Control Number</td><td>M NO 1/9</td><td>Assigned number originated and maintained by the sender.</td></tr><tr><td>GS07</td><td>455</td><td>Responsible Agency Code</td><td>M ID 1/2</td><td>Code used in conjunction with Data Element 480 to identify the issuer of the standard.</td></tr></table> <table><tr><th>Code</th><th>Definition</th></tr><tr><td>X</td><td>Accredited Standards Committee X12</td></tr></table> <table><tr><td>GS08</td><td>480</td><td>Version/Release/Industry Id</td></tr></table>	GS04	29	Group Date	M DT 6/6	Date sender generated a functional group of transaction sets.	GS05	30	Group Time	M TM 4/4	Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).	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.	Code	Definition	X	Accredited Standards Committee X12	GS08	480	Version/Release/Industry Id
GS04	29	Group Date	M DT 6/6	Date sender generated a functional group of transaction sets.																								
GS05	30	Group Time	M TM 4/4	Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).																								
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GS07	455	Responsible Agency Code	M ID 1/2	Code used in conjunction with Data Element 480 to identify the issuer of the standard.																								
Code	Definition																											
X	Accredited Standards Committee X12																											
GS08	480	Version/Release/Industry Id																										

M ID 1/12

Code

Code indicating the version, release, subrelease and industry identifier of the EDI standard being used.
(See X12 Dictionary)

Version/Release
[027]

Code value agreed to by trading partners. See X12 Dictionary for source code list.

<u>Code</u>	<u>Definition</u>
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003010	Draft Standards Approved By ASC X12 Through June 1990
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Segment: GE Functional Group Trailer

Usage: M

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

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

Syntax Notes: 01 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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
GE01	97	Number of Included Sets	M NO 1/8
		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 of the
preceding GS06 control number.

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 A count of the number of functional groups included in a transmission.	M NO 1/5
IEA02	I12	Interchange Control Number This number uniquely identifies the interchange data to the sender.	M NO 9/9

Functional Group Count
[040]

Assigned by translation software.

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-REFER- ENCE MATRIX

Overview

This chapter lists the data element cross-reference between the Department of Defense (DoD) ASC X12 Transaction Set 810 Invoice (003010). We derived the cross-reference from the following:

- Examination of DoD invoice information data requirements.
- Analysis of ASC X12 Transaction Set 810 Invoice.
- Comments submitted by DoD activities involved in the DoD electronic data interchange effort.

Purpose

This chapter identifies specific data in an application and their corresponding EDI mapping into the Transaction Set 810. Data elements from an existing application database can be identified with elements in this cross-reference. If no application exists, the cross-reference provides enough information to develop a database design to automate the application. With an application in place, this cross-reference will expedite mapping of the database into a commercial EDI translation package. All trading partners who plan to exchange the 810 with DoD can use this document as a reference for the development of their database/EDI translator interface program.

Contents

One table is included in this chapter. Table 10.5-1, Data Element Cross-Reference lists all the discrete data elements of the DoD invoice data requirements and their corresponding segment and data element of the ASC X12 Transaction Set 810 Invoice.

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TABLE 10.5-1

DATA ELEMENT CROSS-REFERENCE

DoD Invoice Data Using ASC X12 Transaction Set 810 Invoice.

How To Read This Table

Table 10.5-1 cross-references discrete DoD invoice data requirements to the corresponding segment and data elements of the Transaction Set 810. 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.

- **INVOICE DATA NAME:** Lists individual data elements required to send an invoice. The user 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.
- **Q:** An asterisk (*) in this column identifies the data as a qualifier code.

EDI References

The remaining seven columns identify the detailed mapping of each data name into Transaction Set 810. Using these references is explained below in "How To Use This Table".

- **AREA:** The area of the transaction set where the data is mapped. A = header, B = detail, C = summary.
- **POS:** The sequential position of a specific segment within the area of the transaction set.
- **REF DES:** The first two or three alphanumeric characters identify a transaction set segment; the last 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 Department of Defense use.

How To Use This Table

This table maps a data element to a specific data element in an EDI transaction set.

1. Select any data element from the INVOICE DATA NAME list,
2. Identify the AREA, POS, and REF DES for that DATA NAME,
3. Go to Table 10.7-2 DoD Segment Hierarchy,
4. Find the AREA (Table A = header, etc.) in the hierarchy,
5. Locate the segment that corresponds to the POS and the REF DES. NOTE: The POS may not appear in some hierarchy tables. In this case, use the segment id identified by the first 2-3 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. Now in the convention table 10.7-3, find the REF DES from step, 2 under the Ref. Des. column on the right hand side of the page,
9. You have now mapped a data element from table 10.5-1 into the convention table 10.7-3.

The INVOICE DATA NAME from Table 10.5-1 appears in the right hand column along with its INDEX and the DoD CONVENTION. The EDI standard definition of the data element appears in the right hand column of the page.

Each INVOICE DATA NAME from Table 10.5-1 can be mapped into the transaction set in this manner.

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TENDER DATA NAME	INDEX	O	A	POS	REF DES	DE #	VALUE	DoD CONVENTION	DoD ReqDes
Transaction Set Identifier Code	[001 A]	*	1	10	ST01	143	810 - X12.2 Invoice	The following comments provide mapping instructions for establishing a Public Voucher Invoice.	
Transaction Set Control Number	[002 A]		1	10	ST02	329			
Invoice Date	[003 A]		1	20	BKG01	245			
Invoice Number	[004 A]		1	20	BKG02	76		Invoice Date, expressed as YYMMDD. Notional BLOCK 4.	
Purchase Order Date	[005 A]		1	20	BKG03	323		A unique number assigned by the Billing Party. Notional BLOCK 1	
Purchase Order Number	[006 A]		1	20	BKG04	324		Notional BLOCK 5b.	
Release Number	[007 A]		1	20	BKG05	326		Procurement Instrument Identification Number, (PIN). Notional BLOCK 5a.	
Change Order Sequence Number	[008 A]		1	20	BKG06	327		Call/order number. When applicable to entire Invoice, notional BLOCK 15a.	
								Modification Number, (SPIN). Part of notional BLOCK 5a.	

Transaction Type Code

[009 A] * 1 20 B1G07 640 CN - Credit Invoice
CO - Corrected
DI - Debit Invoice
RE - Rebill

Use code RE for a selling party generated request to withdraw without processing a previously submitted request for a progress payment.

Entity ID Code

[010 A] 1 40 CUR01 98

Insert the CAGE of the selling party.

Currency Code

[011 A] 1 40 CUR02 100

Use any listed ISO code, e.g., USD (U.S. Dollars), CAD (Canadian Dollars).

Reference Number Qualifier

[012 A] * 1 50 REF01 128 11 - Account Number
BL - Government Bill of Lading
DO - Document Identification Code
SI - Shipper's Identifying Number for Shipment (SID)
VR - Vendor ID Number
ZZ - Mutually Defined

Use code SI for Shipment Number and Indicator when applicable to the entire invoice. Use code 11 for Payee's Account Number. Notional BLOCK 10. Use code VR to carry the seller's unique identification number. Use code BL for the Government Bill of Lading Number. Notional BLOCK 14. Use code DO for the Requisition Number. Notional BLOCK 6a. Use code ZZ to represent the Schedule Number. Notional BLOCK 2.

Reference Number

[013 A] 1 50 REF02 127

Entity Identifier Code

[014 A] * 1 70 N101 98 BY - Buying Party (Purchaser)
PR - Paying Office
SE - Selling Party
SF - Ship From
ST - Ship To

Always use codes PR and SE. When the Ship To and/or the Ship From apply to the entire invoice, use codes SF and ST. Notional BLOCKS 3, 7, 11, and 12. Code BY is the Agency.

DoD
ReqDes

DoD CONVENTION

VALUE

REF

DES

Q A

POs

INDEX

DE #

TENDER DATA NAME

Name

[015 A]

1

70

N102

93

Use only when address of the Selling Party, Ship From, or Ship To (N101 codes SE, SF and ST) cannot be described using party's CAGE Code (N103 code 33 and N104, the actual CAGE Code).

Identification Code Qualifier

[016 A]

*

1

70

N103

66

10 - DODAAC
33 - CAGE
ZZ - Mutually Defined

Use code 10 when N101 is code PR or code ST (when the ST address is a DoD activity), use code 33 when N101 is code SE or SF, or when the ST address is another contractor. Use code ZZ for DFARS Appendix N (G) code.

Identification Code

[017 A]

1

70

N104

67

Use actual DODAAC of Paying Office or Cage Code of Selling Party.

Name

[018 A]

1

80

N201

93

Use only when address cannot be described using a code in the N1 segment.

Name

[019 A]

1

80

N202

93

Use only when address cannot be described using a code in the N1 segment.

Address Information

[020 A]

1

90

N301

166

Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, apartment or office number. For example: 10 Main Street, Suite 300.)

Address Information

[021 A] 1 90 N302 188

If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.

City Name

[022 A] 1 100 N401 19

City Name, use only when address cannot be described using a code in the N1 segment.

State or Province Code

[023 A] 1 100 N402 156

Two-character code for State.

Postal Code

[024 A] 1 100 N403 116

Zip Code.

Terms Discount Percent

[025 A] 1 130 ITD03 338

Discount Percent. Notional BLOCK 9.

Terms Discount Days Due

[026 A] 1 130 ITD05 351

Discount Days.

Terms Net Days

[027 A] 1 130 ITD07 368

Date/Time Qualifier

[028 A] * 1 140 DTM01 374
004 - Purchase Order
035 - Delivered
053 - Buyers Local

Code 004 is the actual date of order and code 035 the actual delivery date for supplies or performance date for services when date applies to the entire invoice. Notional BLOCK 15b or 16. Use code 053 for the requisition date. Notional BLOCK

Date

[029 A] 1 140 DTM02 373

Measurement Qualifier

[030 A] * 1 170 MEA02 738 WT - Weight

Always use code WT.

TENDER DATA NAME	INDEX	Q	A	POS	REF DES	DE #	VALUE	DoD CONVENTION	DoD ReqDes
Measurement Value	[031 A]		1	170	MEA03	739			
The weight in pounds of the items cited for payment in the Public Voucher. Notional BLOCK 13.									
Unit of Measurement Code	[032 A]	*	1	170	MEA04	355	AP - Actual Pounds		
Always use code AP.									
Assigned Identification	[033 A]		2	10	IT101	350		REQUIRED	CLIN or SUBCLIN. Notional BLOCK 17.
Quantity Involved	[034 A]		2	10	IT102	358			Notional BLOCK 18.
Unit of Measurement Code	[035 A]		2	10	IT103	355			Any code may be used. Notional BLOCK 20.
Unit Price	[036 A]		2	10	IT104	212			Unit Price, as specified in the contract, of the CLIN or SUBCLIN carried in IT101. Notional BLOCK 19.
Base of Unit Price Code	[037 A]		2	10	IT105	639			
Product/Service ID Qualifier	[038 A]		2	10	IT106	235			Use any code.
Product/Service ID	[039 A]		2	10	IT107	234			Carry actual number.
Product/Service ID Qualifier	[040 A]		2	10	IT108	235			Use any code.

Product/Service ID	[041 A]	2	10	IT109	234	Carry actual number.
Product/Service ID Qualifier	[042 A]	2	10	IT110	235	Use any code.
Product/Service ID	[043 A]	2	10	IT111	234	Carry actual number.
Product/Service ID Qualifier	[044 A]	2	10	IT112	235	Use any code.
Product/Service ID	[045 A]	2	10	IT113	234	Carry actual number.
Product/Service ID Qualifier	[046 A]	2	10	IT114	235	Use any code.
Product/Service ID	[047 A]	2	10	IT115	234	Carry actual number.
Product/Service ID Qualifier	[048 A]	2	10	IT116	235	Use any code.
Product/Service ID	[049 A]	2	10	IT117	234	Carry actual number.
Product/Service ID Qualifier	[050 A]	2	10	IT118	235	Use any code.
Product/Service ID	[051 A]	2	10	IT119	234	Carry actual number.

TENDER DATA NAME	INDEX	Q	A	POS	REF DES	DE #	VALUE	DoD CONVENTION	DoD ReqDes
Product/Service ID Qualifier	[052 A]		2	10	IT120	235		Use any code.	
Product/Service ID	[053 A]		2	10	IT121	234		Carry actual number.	
Product/Service ID Qualifier	[054 A]		2	10	IT122	235		Use any code.	
Product/Service ID	[055 A]		2	10	IT123	234		Carry actual number.	
Product/Service ID Qualifier	[056 A]		2	10	IT124	235		Use any code.	
Product/Service ID	[057 A]		2	10	IT125	234		Carry actual number.	
Item Description Type	[058 A]	*	2	60	PID01	349	F - Free-Form	Use code F to satisfy the syntax.	
Description	[059 A]		2	60	PID05	362		Description of cited line or subline item. Notional BLOCK 17.	

Reference Number Qualifier

[000 A]

• 2

120

REF01

128

AT

- Appropriation Number

PO - Purchase Order Number

SI - Shipper's Identifying Number for Shipment (SID)

Use code SI for Shipment Number and Indicator when applicable to the cited line or subline item. Use code PO for Order Number when applicable at the item level. Notional BLOCK 15a.

Reference Number

[001 A]

2

120

REF02

127

Description

[002 A]

2

120

REF03

352

When REF01 is code AT, REF03 will carry the Accounting Classification.

Date/Time Qualifier

[003 A]

• 2

180

DTM01

374

004

- Purchase Order

035 - Delivered

Code 004 is the actual date of order and code 0035 the delivery date for supplies or performance date for services for cited line or subline item.

Date

[004 A]

2

180

DTM02

373

Actual Shipment Date for cited line or subline item.

Entity Identifier Code

[005 A]

• 2

240

N101

98

SF

- Ship From

ST - Ship To

Use segment when applicable to cited line or subline item. Notional BLOCKS 11 and 12.

Name

[006 A]

2

240

N102

93

Use when address of Ship From or Ship To (codes SF and ST) cannot be described using party's CAGE Code or DODAAC (N103 code 33 and N104, the actual CAGE Code or DODAAC).

Identification Code Qualifier

[007 A]

• 2

240

N103

66

10

- DODAAC

33 - CAGE

Use code 10 when N101 is code ST and a DoD address. Use code 33 when N101 is code SF or when the ST address is another contractor.

TENDER DATA NAME	INDEX	Q	A	POS	REF DES	DE #	VALUE	DoD CONVENTION	DoD ReqDes
Identification Code	[068 A]		2	240	N104	67		Use actual DODAAC or CAGE Code of Ship To (ST) or CAGE Code of Ship From (code SF).	
Name	[069 A]		2	250	N201	93		Use only when address cannot be described using a code in the N1 segment.	
Name	[070 A]		2	250	N202	93		Use only when address cannot be described using a code in the N1 segment.	
Address Information	[071 A]		2	260	N301	106		Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, apartment or office number. For example: 10 Main Street, Suite 300.)	
Address Information	[072 A]		2	260	N302	106		If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.	
City Name	[073 A]		2	270	N401	19		City Name, use only when address cannot be described using a code in the N1 segment.	
State or Province Code	[074 A]		2	270	N402	156		Two-character code for State.	
Postal Code	[075 A]		2	270	N403	116		Zip Code.	

Total Invoice Amount

[076 A]

3

10

TDS01

351

Notional BLOCK 22.

Number of Line Items

[077 A]

3

70

CTT01

354

CTT01 will carry the accumulation of the number of IT1 segments contained in the transaction set.

Number of Included Segments

[078 A]

3

80

SE01

96

Transaction Set Control Number

[079 A]

3

80

SE02

329

Control No, (same number will be found in ST02 in Header.)

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10.7 DoD CONVENTIONS

Overview

This chapter is the convention for the ASC X12 Transaction Set 810 (Version 003010) as used by the Department of Defense for accepting an invoice. It was derived from:

- Table 10.5-1, Data Element Cross-Reference Matrix that describes the discrete DoD data requirements for invoices.
- ASC X12 Transaction Set 810 Invoice.

A relational database management system was used to merge the Data Element Cross-Reference Matrix and a Transaction Set 810 database into the subset of 810 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 810. All trading partners who plan to exchange the Transaction Set 810 can use this document as a reference for the development of their EDI database/translator interface program.

Contents

Three tables are included in this chapter.

- Table 10.7-1, ASC X12 Transaction Set 810 Segment Hierarchy describes the 810 segments as they appear in the ASC X12 Standards Dictionary.
- Table 10.7-2, DoD Model Transaction Set 810 Segment Hierarchy describes the subset of 810 segments used for sending Public Voucher invoices.
- Table 10.7-3, Conventions is a detailed description of the Department of Defense conventions for transmitting Transaction Set 810. 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 TRANSACTION SET 810
INVOICE (Version 003010)

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ASC X12.xx Transaction Set810V310
Transaction Set Name and Version
Segment Hierarchy

Table 1 - Header Area

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	ST	Transaction Set Header	M	1	
USE	20	BIG	Beginning Segment for Invoice	M	1	
	30	NTE	Note/Special Instruction	F	100	
USE	40	CUR	Currency	O	1	
USE	50	REF	Reference Numbers	O	12	
	60	PER	Administrative Communications Contact	O	3	

USE	70	N1	Name	O	1	N1\200
USE	80	N2	Additional Name Information	O	2	
USE	90	N3	Address Information	O	2	
USE	100	N4	Geographic Location	O	1	
	110	REF	Reference Numbers	O	12	
	120	PER	Administrative Communications Contact	O	3	

USE	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
USE	140	DTM	Date/Time Reference	O	10	
	150	FOB	F.O.B. Related Instructions	O	1	
	160	PID	Product/Item Description	O	200	
	170	MEA	Measurements	O	40	
	180	PWK	Paperwork	O	25	
	190	PKG	Marking, Packaging, Loading	O	25	
	200	L7	Tariff Reference	O	1	

Table 2 - Detail Area

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	IT1	Baseline Item Data (Invoice)	O	1	IT1\200000
	20	CUR	Currency	O	1	
	30	IT3	Additional Item Data	O	5	
	40	TXI	Tax Information	O	10	
	50	CTP	Pricing Information	O	25	

	50	MEA	Measurements	O	40	
USE	60	PID	Product/Item Description	O	1	PID\1000
	70	MEA	Measurements	O	10	
	80	PWK	Paperwork	O	25	
	90	PKG	Marking, Packaging, Loading	O	25	
	100	PO4	Item Physical Details	O	1	
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
USE	120	REF	Reference Numbers	O	1	
	130	PER	Administrative Communications Contact	O	5	
	140	SDQ	Destination Quantity	O	500	
USE	150	DTM	Date/Time Reference	O	10	
	160	CAD	Carrier Detail	O	1	
USE	170	L7	Tariff Reference	O	1	
	180	ITA	Allowance, Charge or Service	O	1	ITA\10
	190	TXI	Tax Information	O	10	
	200	SLN	Subline Item Detail	O	1	SLN\1000
	210	REF	Reference Numbers	O	1	
	220	PID	Product/Item Description	O	1000	
	230	ITA	Allowance, Charge or Service	O	10	
USE	240	N1	Name	O	1	N1\200
USE	250	N2	Additional Name Information	O	2	
USE	260	N3	Address Information	O	2	
USE	270	N4	Geographic Location	O	1	
	280	REF	Reference Numbers	O	12	
	290	PER	Administrative Communications Contact	O	3	
Table 3 - Summary Area						
	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	TDS	Total Monetary Value Summary	M	1	
	20	TXI	Tax Information	O	10	
	30	CAD	Carrier Detail	O	1	
USE	40	ITA	Allowance, Charge or Service	O	1	ITA\10

	50	TXI	Tax Information	O	10
USE	60	ISS	Invoice Shipment Summary	O	5
USE	70	CTT	Transaction Totals	M	1
	80	SE	Transaction Set Trailer	M	1

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TABLE 10.7-2

SEGMENT HIERARCHY

DoD MODEL FOR TRANSACTION SET 810 INVOICE

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ASC X12.xx Transaction Set810V310
Transaction Set Name and Version
Segment Hierarchy

Table 1 - Header Area

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	ST	Transaction Set Header	M	1	
USE	20	BIG	Beginning Segment for Invoice	M	1	
USE	40	CUR	Currency	O	1	
USE	50	REF	Reference Numbers	O	12	
USE	70	N1	Name	O	1	N1\2\0
USE	80	N2	Additional Name Information	O	2	
USE	90	N3	Address Information	O	2	
USE	100	N4	Geographic Location	O	1	
USE	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
USE	140	DTM	Date/Time Reference	O	10	

Table 2 - Detail Area

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	IT1	Baseline Item Data (Invoice)	O	1	IT1\200000
USE	60	PID	Product/Item Description	O	1	PID\1000
USE	120	REF	Reference Numbers	O	1	
USE	150	DTM	Date/Time Reference	O	10	
USE	170	L7	Tariff Reference	O	1	
USE	240	N1	Name	O	1	N1\200
USE	250	N2	Additional Name Information	O	2	
USE	260	N3	Address Information	O	2	
USE	270	N4	Geographic Location	O	1	



Table 3 - Summary Area

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	TDS	Total Monetary Value Summary	M	1	
USE	40	ITA	Allowance, Charge or Service	O	1	ITA\10
USE	70	CTT	Transaction Totals	M	1	
USE	80	SE	Transaction Set Trailer	M	1	

TABLE 10.7-3

DoD 810 CONVENTION

How To Read This Table

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

Government References

The left-hand and middle columns in Table 10.7-3 describe Department of Defense conventions.

- Left-hand column contains two general references.
 - > INDEX: is enclosed in brackets and corresponds to a specific INDEX from Table 10.5-1.
 - > INVOICE DATA NAME: Appears above the INDEX and corresponds to a specific DATA NAME from Table 10.5-1.
- Middle column: Contains a less-than sign to indicate where *Department of Defense* conventions vary from the ASC X12 convention.

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

ASC X12 References

The right-hand column describes the ASC X12 conventions. 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 Department of Defense prescribes and may provide other Department of Defense information.

How To Use This Table

This table can be used to identify the data contained in populated Transaction Set 810.

1. Identify a segment from a populated transaction set (See Appendix 10.C for examples of the 810).
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 from Table 10.5-1 that is mapped to that Reference Designator. When multiple DATA NAMEs appear for a single Reference Designator, there is usually a code qualifier somewhere in the same segment that identifies the data.

Segment: ST Transaction Set Header

Table: 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: A. 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

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

Transaction Set Identifier Code
[001 A *]

The following comments provide mapping instructions for establishing a Public Voucher Invoice.

Code Definition

810 X12.2 Invoice

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

Transaction Set Control
Number
[002 A]

Control No. (same number will be found in SE02 in Summary).

Segment: BIG Beginning Segment for Invoice

Table: 1

Sequence: 20

Usage: M

Max Use: 1

Loop:

Purpose: To indicate the beginning of an invoice transaction set and to transmit identifying numbers and dates.

Comment: A. BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
BIG01	245	Invoice Date Invoice Issue Date.	M DT 8/6
BIG02	76	Invoice Number Identifying number assigned by issuer.	M AN 1/22
BIG03	323	Purchase Order Date Date assigned by the purchaser to Purchase Order.	O DT 8/6

Invoice Date
[003 A]

Invoice Date, expressed as YYM-
MDD. Notional BLOCK 4.

Invoice Number
[004 A]

A unique number assigned by the
Billing Party. Notional BLOCK 1

Purchase Order Date
[005 A]

Notional BLOCK 5b.

Purchase Order Number
[006 A]

Procurement instrument identifica-
tion Number, (PIIN). Notional
BLOCK 5a.

Release Number
[007 A]

Call/order number. When ap-
plicable to entire invoice, notional
BLOCK 15a.

Change Order Sequence
Number
[008 A]

Modification Number, (SPIN). Part
of notional BLOCK 5a.

Transaction Type Code
[009 A *]

Use code RE for a selling party
generated request to withdraw
without processing a previously sub-
mitted request for a progress pay-
ment.

BIG04 324 Purchase Order Number O AN 1/22
Identifying number for Purchase Order assigned by
the orderer/purchaser.

BIG05 328 Release Number O AN 1/30
Number identifying a release against a Purchase
Order previously placed by the parties involved in
the transaction.

BIG06 327 Change Order Sequence Number O AN 1/8
Number assigned by the orderer identifying a
specific change or revision to a previously trans-
mitted transaction set.

BIG07 640 Transaction Type Code O ID 2/2
Code specifying the type of transaction.

Code Definition

CN	Credit Invoice
CO	Corrected
DI	Debit Invoice
RE	Rebill

Segment: CUR Currency
Table: 1
Sequence: 40
Usage: O
Max Use: 1
Loop:
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Comment: A. (See X12 Dictionary)
Syntax Notes: 01 If CUR08 is present, then CUR07 is required.
02 If CUR09 is present, then CUR07 is required.
03 If CUR11 is present, then CUR10 is required.
04 If CUR12 is present, then CUR10 is required.
05 If CUR14 is present, then CUR13 is required.
06 If CUR15 is present, then CUR13 is required.
07 If CUR17 is present, then CUR16 is required.
08 If CUR18 is present, then CUR16 is required.
09 If CUR20 is present, then CUR19 is required.
10 If CUR21 is present, then CUR19 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CUR01	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	

Entity ID Code
[010 A]

Insert the CAGE of the selling party.

Currency Code
[011 A]
Use any listed ISO code, e.g., USD
(U.S. Dollars), CAD (Canadian Dol-
lars).

CUR02	100	Currency Code	M ID	3/3
		Code (Standard ISO) for country in whose currency the charges are specified.		
CUR03	280	Exchange Rate	O R	4/6
CUR04	98	Entity Identifier Code	O ID	2/2
CUR05	100	Currency Code	O ID	3/3
CUR06	660	Currency Market/Exchange Code	O ID	3/3
CUR07	374	Date/Time Qualifier	C ID	3/3
CUR08	373	Date	O DT	6/6
CUR09	337	Time	O TM	4/4
CUR10	374	Date/Time Qualifier	C ID	3/3
CUR11	373	Date	O DT	6/6
CUR12	337	Time	O TM	4/4
CUR13	374	Date/Time Qualifier	C ID	3/3
CUR14	373	Date	O DT	6/6
CUR15	337	Time	O TM	4/4
CUR16	374	Date/Time Qualifier	C ID	3/3

CUR17	373	Date	O	DT	6/6
CUR18	337	Time	O	TM	4/4
CUR19	374	Date/Time Qualifier	C	ID	3/3
CUR20	373	Date	O	DT	6/6
CUR21	337	Time	O	TM	4/4

Segment: REF Reference Numbers
Table: 1
Sequence: 50
Usage: O
Max Use: 12
Loop:
Purpose: To specify identifying numbers.
Syntax Notes: 02 Either REF02 or REF03 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Number Qualifier	M ID 2/2
Code qualifying the Reference Number.			

Reference Number Qualifier [012 A *]

Use code SI for Shipment Number and Indicator when applicable to the entire invoice. Use code 11 for Payee's Account Number. Notional BLOCK 10. Use code VR to carry the seller's unique identification number. Use code BL for the Government Bill of Lading Number. Notional BLOCK 14. Use code DD for the Requisition Number. Notional BLOCK 6a. Use code ZZ to represent the Schedule Number. Notional BLOCK 2.

Code	Definition
11	Account Number
BL	Government Bill of Lading
DD	Document Identification Code
SI	Shipper's Identifying Number for Shipment (SID)
VR	Vendor ID Number
ZZ	Mutually Defined

Reference Number [013 A]

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.			

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

Segment: N1 **Name**

Table: 1

Sequence: 70

Usage: O

Max Use: 1

Loop:

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

Comment: A. 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: 01 At least one of N102 or N103 must be present.
02 If either N103 or N104 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	

Entity Identifier Code [014 A *]

Always use codes PR and SE.
When the Ship To and/or the Ship From apply to the entire invoice, use codes SF and ST. Notional BLOCKS 3, 7, 11, and 12. Code BY is the Agency.

Code Definition

BY	Buying Party (Purchaser)
PR	Paying Office
SE	Selling Party
SF	Ship From
ST	Ship To

Name
[015 A]

Use only when address of the Selling Party, Ship From, or Ship To (N101 codes SE, SF and ST) cannot be described using party's CAGE Code (N103 code 33 and N104, the actual CAGE Code).

Identification Code Qualifier
[016 A *]

Use code 10 when N101 is code PR or code ST (when the ST address is a DoD activity), use code 33 when N101 is code SE or SF, or when the ST address is another contractor. Use code ZZ for DFARS Appendix N (G) code.

Identification Code
[017 A]

Use actual DODAAC of Paying Office or Cage Code of Selling Party.

N102 93 Name C AN 1/35
Free-form name.

N103 66 Identification Code Qualifier C ID 1/2
Code designating the system/method of code structure used for Identification Code (67).

Code	Definition
10	DODAAC
33	CAGE
ZZ	Mutually Defined

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

Segment: N2 **Additional Name Information**
Table: 1
Sequence: 80
Usage: O
Max Use: 2
Loop:
Purpose: To specify additional names or those
longer than 35 characters in length

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

Name
[018 A]

Use only when address cannot be
described using a code in the N1
segment.

Name
[019 A]

Use only when address cannot be
described using a code in the N1
segment.

Segment: N3 Address Information
Table: 1
Sequence: 90
Usage: O
Max Use: 2
Loop:
Purpose: To specify the location of the named party

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

Address Information
[020 A]

Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, apartment or office number. For example: 10 Main Street, Suite 300.).

Address Information
[021 A]

If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.

Segment: N4 Geographic Location

Table: 1

Sequence: 100

Usage: O

Max Use: 1

Loop:

Purpose: To specify the geographic place of the named party

Comment: A. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.

B. N402 is required only if city name (N401) is in the USA or Canada.

Syntax Notes: 01 At least one of N401 or N405 must be present.

02 If N401 is present, then N402 is required.

03 If either N405 or N406 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name.	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) defined by appropriate governmental agencies.	C ID 2/2

City Name
[022 A]

City Name, use only when address cannot be described using a code in the N1 segment.

State or Province Code
[023 A]

Two-character code for State.

Postal Code
[024 A]
Zip Code.

N403	116	Postal Code	O ID	4/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States).		
N404	26	Country Code	O ID	2/2
N405	309	Location Qualifier	O ID	1/2
N406	310	Location Identifier	C AN	1/25

Segment: ITD Terms of Sale/Deferred Terms
of Sale

Table: 1

Sequence: 130

Usage: 0

Max Use: 5

Loop:

Purpose: To specify terms of sale.

Comment: A. If the code in ITD01 is 04, then ITD09
is required and either ITD11 or ITD12
is required. If the code in ITD01 equals
05, then ITD06 or ITD07 is required.

Syntax Notes: 01 If ITD03 is present, then at least one of
ITD04, ITD05, ITD13 is required.
02 If ITD08 is present, then at least one of
ITD04, ITD05 or ITD13 is required.
03 If ITD09 is present, then ITD10 or
ITD11 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	336	Terms Type Code	O ID 2/2
ITD02	333	Terms Basis Date Code	O ID 1/2
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.	
ITD04	370	Terms Discount Due Date	C DT 6/6

Terms Discount Percent
[025 A]

Discount Percent. Notional BLOCK
9.

Terms Discount Days Due
[026 A]
Discount Days.

Terms Net Days
[027 A]

ITD05	351	Terms Discount Days Due	C	N0	1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned.			
ITD06	446	Terms Net Due Date	O	DT	6/6
ITD07	386	Terms Net Days	O	N0	1/3
		Number of days until total invoice amount is due (discount not applicable).			
ITD08	362	Terms Discount Amount	O	N2	1/10
ITD09	368	Terms Deferred Due Date	O	DT	6/6
ITD10	389	Deferred Amount Due	C	N2	1/10
ITD11	342	Percent of Invoice Payable	C	R	1/5
ITD12	352	Description	O	AN	1/80
ITD13	766	Day of Month	C	N0	1/2
ITD14	107	Payment Method Code	O	ID	1/1

Segment: DTM Date/Time Reference
Table: 1
Sequence: 140
Usage: O
Max Use: 10
Loop:
Purpose: To specify pertinent dates and times
Syntax Notes: 01 At least one of DTM02 or DTM03 must be present.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
DTM01	374	Date/Time Qualifier	M ID 3/3

Code specifying type of date or time, or both date and time.

Code Definition

004	Purchase Order
035	Delivered
053	Buyers Local

Date/Time Qualifier
[028 A *]

Code 004 is the actual date of order and code 035 the actual delivery date for supplies or performance date for services when date applies to the entire invoice. Notional BLOCK 15b or 16. Use code 053 for the requisition date. Notional BLOCK 8b.

Date
[029 A]

DTM02	373	Date Date (YYMMDD).	C DT 6/6
-------	-----	------------------------	----------

DTM03	337	Time	C TM 4/4
-------	-----	------	----------

DTM04	623	Time Code	O ID 2/2
-------	-----	-----------	----------

Segment: MEA Measurements

Table: 1

Sequence: 170

Usage: O

Max Use: 40

Loop:

Purpose: To specify physical measurements, including dimensions, tolerances, weights and counts.

Comment: A. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Syntax Notes: 03 Either MEA03 or MEA05 or MEA06 or MEA08 is required. If either MEA03, MEA05 or MEA06 is used, MEA04 is required.
07 If MEA07 is used MEA03 is required.
08 Either MEA08 or MEA03 may be used, but not both.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>						
MEA01	737	Measurement Reference ID Code	O	ID	2/2				
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	O	ID	1/3				
<table><tr><th><u>Code</u></th><th><u>Definition</u></th></tr><tr><td>WT</td><td>Weight</td></tr></table>						<u>Code</u>	<u>Definition</u>	WT	Weight
<u>Code</u>	<u>Definition</u>								
WT	Weight								
MEA03	739	Measurement Value The value of the measurement.	C	R	1/10				

Measurement Qualifier
[030 A *]

Always use code WT.

Measurement Value
[031 A]

The weight in pounds of the items cited for payment in the Public Voucher. Notional BLOCK 13.

Unit of Measurement Code
[032 A *]

Always use code AP.

MEA04 355 Unit of Measurement Code C ID 2/2
Code identifying the basic unit of measurement.

Code Definition
AP Actual Pounds

MEA05 740 Range Minimum C R 1/10

MEA06 741 Range Maximum C R 1/10

MEA07 935 Measurement Significance Code O ID 2/2

MEA08 936 Measurement Attribute Code C ID 2/2

MEA09 752 Surface/Layer/Position Code O ID 2/2

Segment: IT1 Baseline Item Data (Invoice)
Table: 2
Sequence: 10
Usage: O
Max Use: 1
Loop:
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions.

Comment: A. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
B. IT101 is the purchase order line item identification.
C. IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Syntax Notes: 01 If IT106 is present, then IT107 is required.
02 If IT108 is present, then IT109 is required.
03 If IT110 is present, then IT111 is required.
04 If IT112 is present, then IT113 is required.
05 If IT114 is present, then IT115 is required.
06 If IT116 is present, then IT117 is required.
07 If IT118 is present, then IT119 is required.
08 If IT120 is present, then IT121 is required.
09 If IT122 is present, then IT123 is required.
10 If IT124 is present, then IT125 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT101	350	Assigned Identification	O AN 1/6
Alphanumeric characters assigned for differentia-			

Assigned Identification [033 A] REQUIRED CLIN or SUBCLIN. Notional BLOCK 17.	>	tion within a transaction set.
Quantity Invoiced [034 A] Notional BLOCK 18.		IT102 358 Quantity Invoiced M R 1/10 Number of units invoiced (supplier units).
Unit of Measurement Code [035 A *] Any code may be used. Notional BLOCK 20.		IT103 355 Unit of Measurement Code M ID 2/2 Code identifying the basic unit of measurement.
Unit Price [036 A] Unit Price, as specified in the con- tract, of the CLIN or SUBCLIN car- ried in IT101. Notional BLOCK 19.		IT104 212 Unit Price M R 1/14 Price per unit of product, service, commodity, etc.
Basis of Unit Price Code [037 A]		IT105 639 Basis of Unit Price Code O ID 2/2 Code identifying the type of unit price for an item.
Product/Service ID Qualifier [038 A] Use any code.		IT106 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Product/Service ID [039 A] Carry actual number.	IT107 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [040 A] Use any code.	IT108 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [041 A] Carry actual number.	IT109 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [042 A] Use any code.	IT110 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [043 A] Carry actual number.	IT111 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [044 A] Use any code.	IT112 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Product/Service ID [045 A] Carry actual number.	IT113 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [046 A] Use any code.	IT114 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [047 A] Carry actual number.	IT115 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [048 A] Use any code.	IT116 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [049 A] Carry actual number.	IT117 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [050 A] Use any code.	IT118 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Product/Service ID [051 A] Carry actual number.	IT119 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [052 A] Use any code.	IT120 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [053 A] Carry actual number.	IT121 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [054 A] Use any code.	IT122 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Product/Service ID [055 A] Carry actual number.	IT123 234 Product/Service ID C AN 1/30 Identifying number for a product or service.
Product/Service ID Qualifier [056 A] Use any code.	IT124 235 Product/Service ID Qualifier O ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234).

	IT125	234	Product/Service ID	C AN 1/30
Product/Service ID [057 A]			Identifying number for a product or service.	
Carry actual number.				

Segment: PID **Product/Item Description**
Table: 2
Sequence: 60
Usage: O
Max Use: 1
Loop:
Purpose: To describe a product or process in coded or free-form format
Comment: A. When PID01 is "F", PID04 is not used.
 B. Use PID03 to indicate the organization that publishes the code list being referred to.
 C. PID04 should be used for industry-specific product description codes.
 D. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
Syntax Notes: 04 If PID04 is present, then PID03 is required. At least one of PID04 or PID05 must be present.

Item Description Type
[058 A *]

Use code F to satisfy the syntax.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>						
PID01	349	Item Description Type Code indicating the format of a description.	M	ID	1/1				
<table><tr><th><u>Code</u></th><th><u>Definition</u></th></tr><tr><td>F</td><td>Free-Form</td></tr></table>						<u>Code</u>	<u>Definition</u>	F	Free-Form
<u>Code</u>	<u>Definition</u>								
F	Free-Form								
PID02	750	Product/Process Characteristic Code	O	ID	2/3				
PID03	559	Association Qualifier Code	C	ID	2/2				
PID04	751	Product Description Code	C	ID	1/12				

Description
[059 A]
Description of cited line or subline
item. Notional BLOCK 17.

PID05 352 Description C AN 1/80
A free-form description to clarify the related data
elements and their content.

PID06 752 Surface/Layer/Position Code O ID 2/2

Segment: REF Reference Numbers
Table: 2
Sequence: 120
Usage: O
Max Use: 1
Loop:
Purpose: To specify identifying numbers.
Syntax Notes: 02 Either REF02 or REF03 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Number Qualifier	M ID 2/2
Code qualifying the Reference Number.			

Reference Number Qualifier [060 A *]

Use code SI for Shipment Number and Indicator when applicable to the cited line or subline item. Use code PO for Order Number when applicable at the item level. Notional BLOCK 15a.

Code	Definition
AT	Appropriation Number
PO	Purchase Order Number
SI	Shipper's Identifying Number for Shipment (SID)

Reference Number [061 A]

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.			

Description [062 A]

When REF01 is code AT, REF03 will carry the Accounting Classification.

REF03	352	Description	C AN 1/80
A free-form description to clarify the related data elements and their content.			

Segment: DTM Date/Time Reference
Table: 2
Sequence: 150
Usage: O
Max Use: 10
Loop:
Purpose: To specify pertinent dates and times
Syntax Notes: 01 At least one of DTM02 or DTM03 must be present.

Data Element Summary

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

DTM01	374	Date/Time Qualifier	M ID 3/3
-------	-----	---------------------	----------

Code specifying type of date or time, or both date and time.

Date/Time Qualifier
[063 A *]

Code 004 is the actual date of order and code 0035 the delivery date for supplies or performance date for services for cited line or subline item.

Code Definition

004	Purchase Order
035	Delivered

DTM02	373	Date	C DT 6/6
-------	-----	------	----------

Date (YYMMDD).

Date
[064 A]

Actual Shipment Date for cited line or subline item.

DTM03	337	Time	C TM 4/4
-------	-----	------	----------

DTM04	623	Time Code	O ID 2/2
-------	-----	-----------	----------

Segment: N1 Name

Table: 2

Sequence: 240

Usage: O

Max Use: 1

Loop:

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

Comment: A. 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: 01 At least one of N102 or N103 must be present.
02 If either N103 or N104 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	

Entity Identifier Code
[065 A *]

Use segment when applicable to cited line or subline item. Notional BLOCKS 11 and 12.

Code Definition

SF	Ship From
ST	Ship To

N102	93	Name	C AN 1/35
		Free-form name.	

Name
[066 A]

Use when address of Ship From or Ship To (codes SF and ST) cannot be described using party's CAGE Code or DODAAC (N103 code 33 and N104, the actual CAGE Code or DODAAC).

Identification Code Qualifier
[067 A *]

Use code 10 when N101 is code ST
and a DoD address. Use code 33
when N101 is code SF or when the
ST address is another contractor.

N103 66 Identification Code Qualifier C ID 1/2
Code designating the system/method of code struc-
ture used for Identification Code (67).

Code	Definition
------	------------

10	DODAAC
33	CAGE

Identification Code
[068 A]

Use actual DODAAC or CAGE Code
of Ship To (ST) or CAGE Code of
Ship From (code SF).

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

Segment: N2 Additional Name Information
Table: 2
Sequence: 250
Usage: 0
Max Use: 2
Loop:
Purpose: To specify additional names or those
longer than 35 characters in length

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

Name
[069 A]

Use only when address cannot be
described using a code in the N1
segment.

Name
[070 A]

Use only when address cannot be
described using a code in the N1
segment.

Segment: **N3** Address Information
Table: **2**
Sequence: **260**
Usage: **O**
Max Use: **2**
Loop:
Purpose: To specify the location of the named party

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

Address Information [071 A]

Use only when address cannot be described using a code in the N1 segment. (If used, carry items such as building number, street name, suite, apartment or office number. For example: 10 Main Street, Suite 300.).

Address Information [072 A]

If needed, an additional 2nd line of address, use only when address cannot be described using a code in the N1 segment.

Segment: N4 Geographic Location

Table: 2

Sequence: 270

Usage: O

Max Use: 1

Loop:

Purpose: To specify the geographic place of the named party

Comment: A. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
B. N402 is required only if city name (N401) is in the USA or Canada.

Syntax Notes: 01 At least one of N401 or N405 must be present.
02 If N401 is present, then N402 is required.
03 If either N405 or N406 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name.	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) defined by appropriate governmental agencies.	C ID 2/2

City Name
[073 A]

City Name, use only when address cannot be described using a code in the N1 segment.

State or Province Code
[074 A]

Two-character code for State.

Postal Code
[075 A]
Zip Code.

N403	116	Postal Code	O ID	4/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States).		
N404	26	Country Code	O ID	2/2
N405	309	Location Qualifier	O ID	1/2
N406	310	Location Identifier	C AN	1/25

Segment: TDS Total Monetary Value Summary
Table: 3
Sequence: 10
Usage: M
Max Use: 1
Loop:
Purpose: To specify the total invoice discounts and amounts
Comment: A. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TDS01	361	Total Invoice Amount Amount of invoice (including charges, less allowan- ces) before terms discount (if discount is applicable).	M N2 1/10
TDS02	390	Amount Subject to Terms Discount	C N2 1/10
TDS03	391	Discounted Amount Due	O N2 1/10
TDS04	362	Terms Discount Amount	O N2 1/10

Total Invoice Amount
[076 A]
Notional BLOCK 22.

Segment: CTT Transaction Totals

Table: 3

Sequence: 70

Usage: M

Max Use: 1

Loop:

Purpose: To transmit a hash total for a specific element in the transaction set

Comment: A This segment is intended to provide hash totals to validate transaction completeness and correctness.

Syntax Notes: 01 If CTT03 is present, then CTT04 is required.

02 If CTT05 is present, then CTT06 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CTT01	354	Number of Line Items Total number of line items in the transaction set.	M NO 1/8
CTT02	347	Hash Total	O R 1/10
CTT03	81	Weight	O R 1/8
CTT04	355	Unit of Measurement Code	C ID 2/2
CTT05	183	Volume	O R 1/8
CTT06	355	Unit of Measurement Code	C ID 2/2
CTT07	352	Description	O AN 1/80

Number of Line Items
[077 A]

CTT01 will carry the accumulation of the number of IT1 segments contained in the transaction set.

Segment: SE Transaction Set Trailer
Table: 3
Sequence: 80
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: A. SE is the last segment of each transaction set.

Data Element Summary

Number of Included Segments
[078 A]

Transaction Set Control
Number
[079 A]

Control No. (same number will be
found in ST02 in Header.)

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

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10.C Example - X12 Transaction Set 810 Invoice

This appendix contains an example of Transaction Set 810 as it is used to transmit invoice information to a DoD payment center.

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Example - Invoice information from Billing Party to DoD using ANSI X12 810

ST*810*00001 n/l	Invoice transaction with a transaction set header and control number
BIG*920630*12345*920530*DAAJ99-92-C-1234**CN n/l	Invoice date and number, contract date and number, and type of invoice
REF*11*5678 n/l	Payee's account number
REF*BL*098765 n/l	Bill of lading number
REF*DD*123456 n/l	Requisition number
REF*SI*24680Z n/l	Shipment number
REF*VR*13579 n/l	Vendor's ID number
N1*BY**ZZ*23456 n/l	Buying party's DFARS appendix G code
N1*PR**10*34567 n/l	DODAAC of paying office
N1*SE**33*76543 n/l	Selling party's CAGE code
N1*ST**10*45678 n/l	Ship-To addressee's DODAAC
ITD***2**10**30 n/l	Discount terms (2/10, net 30)
DTM*053*920430 n/l	Delivery date
DTM*035*920430 n/l	Requisition date
MEA**WT*50*AP* n/l	Weight of the shipment
IT1*0001*10*EA*25.00*PN*A1B2C3 n/l	Line item, quantity, unit of measurement, unit price, and part number
PID*F****WIDGET n/l	Item description
REF*AT**Z1XX00 n/l	Appropriation number
TDS*250.00 n/l	Total invoice amount
CTT*1 n/l	Total number of line items on invoice
SE*21*00001 n/l	Number of included segments and transaction set control number

NOTE: ALL NUMBERS ARE NOTIONAL AND USED FOR ILLUSTRATION PURPOSES ONLY.

REPORT DOCUMENTATION PAGE

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