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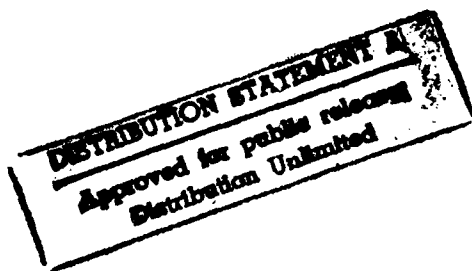
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Department
of
Defense

DoD Electronic Data Interchange (EDI) Convention

ASC X12 Transaction Set 859
Generic Freight Invoice
(Version 003020)



DF101LN2

April 1993

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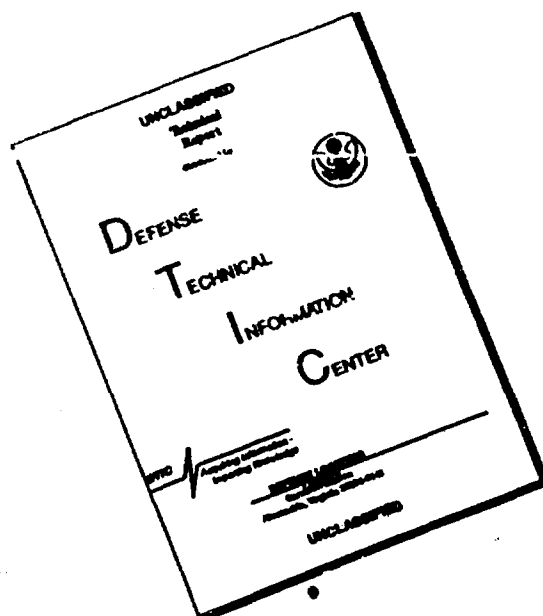
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Department
of
Defense

DoD
Electronic Data
Interchange (EDI)
Convention

ASC X12 Transaction Set 859
Generic Freight Invoice
(Version 003020)

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Executive Agent for EC/EDI/PLUS
Defense Logistics Agency
Cameron Station
Alexandria, VA 22304-6100

10.0 DoD EDI CONVENTION

ASC X12 TRANSACTION SET 859 GENERIC FREIGHT INVOICE (VERSION 003020)

FORMATTING INVOICE INFORMATION FOR THE DoD
TRANSPORTATION PAYMENT SYSTEM USING THE X12.55
TRANSACTION SET 859 GENERIC FREIGHT INVOICE.

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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 a transportation invoice using the ASC X12.55 Transaction Set 859 Generic Freight Invoice (003020). 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.
- Appendices contain examples of populated transaction sets, trading partner data element matrix, and other items that serve as references for software developers.

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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 2 (003020).

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

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. 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 AN10/10				
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 zeroes.

ISA04 I04 Security Information M AN10/10

This is used for identifying the security information
about the sender or the data in the interchange.

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 Qualifier
[005]

Use authorized X12 code list.

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.

Sender Id
[006]

DoD activities use Department of
Defense Activity Address
Code (DoDAAC) or other code
coordinated with the Defense
Transportation EDI Management
Office. Non-DoD activities use iden-
tification code qualified by ISA05
and coordinated with the value-
added network (VAN).

ISA07 I05 Interchange Id Qualifier M ID 2/2

Code to identify the type of information in the
Authorization Information.

Interchange Qualifier
[007]

Use authorized X12 code list.

Receiver Id
[008]

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

Date
[009]

Assigned by translation software.

Time
[010]

Assigned by translation software.

Standards Id
[011]

ISA08 I07 Interchange Receiver's Id M AN15/15
Identification code published by the receiver of the data.

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 Standard M ID 1/1 Identifier
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 M ID 5/5
This version number covers the interchange control segments and the functional group control segments.

Version Id
[012]

Version ID as defined or agreed
upon by the trading partners.

Interchange Control Number
[013]

Assigned by translation software.

Acknowledgment Request
[014]

Code value agreed upon by trad-
ing partners.

Test Indicator
[015]

Code value agreed upon by trad-
ing partners.

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

00302	Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1991
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ISA13 I12 Interchange Control Number M NO 9/9
This number uniquely identifies the interchange data
to the sender.

ISA14 I13 Acknowledgment Requested M ID 1/1
Code sent by the sender to request an interchange ac-
knowledgegment.

<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 inter-
change 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.

Subelement Separator
[016]

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	M ID 2/2
------	-----	--------------------	----------

Code identifying a group of application related Transaction Sets.

Functional Id
[020 1

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)
RA	820 - Payment Order/Remittance Advice
SI	858 - Shipment Information
FB	859 - Freight Invoice (Generic Mode)
CG	994 - Administrative Message
FA	997 - Functional Acknowledgement

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

GS02	142	Application Sender's Code	M AN 2/12
------	-----	---------------------------	-----------

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

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.

GS03 124 Application Receiver's Code M AN 2/12
Code identifying party receiving transmission. Codes agreed to by trading partners.

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.

Agency Code
[026]

Indicates that an ANSI X12 standard is being transmitted.

Version/Release
[027]

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

GS07 455 Responsible Agency Code M ID 1/2

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

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

X	Accredited Standards Committee X12
---	------------------------------------

GS08 480 Version/Release/Industry Id Code M ID 1/12

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

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

003020	Draft Standards Approved By ASC X12 Through October 1991
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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

Ref. Des.	Data Element	Name	Attributes
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 of
the preceding GS06 control num-
ber.

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 N0 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 N0 9/9
		This number uniquely identifies the interchange data to the sender.	

Interchange Control Number
[041]

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

10.5 DATA ELEMENT CROSS- REFERENCE MATRIX

Overview

This chapter lists the data element cross-reference between the Department of Defense (DoD) ASC X12.55 Transaction Set 859 Generic Freight Invoice (003020). We derived the cross-reference from the following:

- Examination of DoD transportation invoice information data requirements.
- Analysis of ASC X12.55 Transaction Set 859 Generic Freight Invoice.
- Comments submitted by DoD activities and commercial carriers 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 859. 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 859 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 X12.55 Transaction Set 859 Generic Freight Invoice.

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TABLE 10.5-1

DATA ELEMENT CROSS-REFERENCE

DoD Transportation Invoice Data Using ASC X12.55 Transaction Set 859 Generic Freight 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 859. 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 a transportation 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 859. 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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FREIGHT INVOICE
DATA NAME

DOD CONVENTION

REF

DES

TBL

Q

INDEX

Q

TBL

POS

DE #

VALUE

Transaction Set Id

Transaction Set Control Number

Invoice Number

GBL Number

Shipment Method of Payment

Invoice Date

Total Charges

Correction Indicator

[001] * 1 10 ST01 143 859 - X12.55 Freight Invoice

[002] 1 10 ST02 329

[003] 1 20 B302 76

[004] 1 20 B303 145

[005] 1 20 B304 146 CC - Collect
PP - Prepaid

[006] 1 20 B306 373

[007] 1 20 B307 193

[008] * 1 20 B308 202 AD - Supplemental
CA - Cancel

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

Transportation service provider's unique invoice number.

DoD unique number representing a shipment. The number is made up of one or two alpha characters followed by six or seven numbers. Do not use any punctuation or special characters.

Date the invoice is issued. Use format YYMMDD.

Total shipment charge including linehaul, accessorial, special, and fuel surcharge charges. Implied decimal at second position from right.

If the invoice is submitted for the first time (original invoice), this optional data field is not used.

Delivery Date

[009] 1 20 B309 32

Date shipment is delivered to consignee. Not required for submission of supplemental invoices. Use format YYMMDD. Qualify in B310. Required for freight shipments only.

Delivery Date Qualifier

[010] * 1 20 B310 374 36 - Delivered

Billing Carrier SCAC

[011] 1 20 B311 140

Use the SCAC of the billing carrier.

Carrier Reference Number Qualifier

[013] * 1 40 N901 128 CN - Carrier Reference Number (PRO Number)

Carrier Reference Number

[014] 1 40 N902 127

Qualify in N901.

Payee Code Qualifier

[015] * 1 40 N901 128 PQ - Payee Identification

Payee Code

[016] 1 40 N902 127

Identification assigned by DoD payment center. Qualify in N901.

Payee Zip Code

[016 010] 1 40 N903 369

Zip code of payee.

Discount Percent

[017] 1 90 ITD03 338

Terms discount percentage, expressed as a percent, available to the purchases if an invoice is paid on or before the number of discount days has expired. Explicit decimal required. Express accuracy to tenths of a percent (i.e. 10 percent is expressed as 10.0).

Discount Days

[018] 1 90 ITD05 351

The number of days in the terms discount period by which payment is due if terms discount is earned.

Carrier Pickup Date Qualifier

[019] * 1 100 G8201 432 86 - Actual Pickup Date

DEPARTMENT OF DEFENSE
EDI CONVENTION

GENERIC FREIGHT INVOICE
859.003020

FREIGHT INVOICE
DATA NAME

INDEX	Q	TBL	POS	REF DES	DE #	VALUE	DOD CONVENTION
Carrier Pickup Date							
[020]	1	100		G6202	373		Date carrier picked up shipment. Not required for submission of supplemental invoices. Use format YYMMDD. Qualify in G6201.
Carrier Pickup Time Qualifier							
[021]	*	1	100	G6203	176	8	- Actual Pickup Time
Carrier Pickup Time							
[022]	1	100		G6204	337		Use format HHMM. Required for freight shipments only. Qualify in G6203.
Delivery Note							
[023]	*	1	220	NTE01	363	DEL	- Delivery Note
Damage Indicator							
[024]	1	220		NTE02	3		Use code "D" to indicate damage and/or shortage apparent upon delivery.
Payment Note							
[025]	*	1	220	NTE01	363	PMT	- Payment Note
Waiver Indicator							
[026]	1	220		NTE02	3		Use code "W" to certify that a waiver has been received.
Payment Note							
[027]	*	1	220	NTE01	363	PMT	- Payment Note
Documentation Indicator							
[028]	1	220		NTE02	3		Use code "S" to indicate that supporting documentation will follow EDI transmission.
Issuing Office Qualifier							
[029]	*	1	380	N101	98	IU	- Issuer
Issuing Office GBLOC Qualifier							
[030]	*	1	380	N103	66	27	- Government Bill Of Lading Office Code (GBLOC)
Issuing Office GBLOC							
[031]	1	380		N104	67		Quality in N103.

GENERIC FREIGHT INVOICE
859.003020

DEPARTMENT OF DEFENSE
EDI CONVENTION

Consignee Qualifier	[032]	*	1	380	N101	98	CN	-	Consignee
Consignee GBLOC Qualifier	[033]	*	1	380	N103	66	27	-	Government Bill of Lading Office Code (GBLOC)
Consignee GBLOC	[034]		1	380	N104	67			GBLOC of the office responsible for the shipment at the destination. Required for personal property shipments only. Qualify in N103.
Destination Transportation Company Qualifier	[035]	*	1	380	N101	98	DC	-	Destination Carrier
Destination Transportation Company SCAC Qualifier	[036]	*	1	380	N103	66	2	-	SCAC
Destination Transportation Company SCAC	[037]		1	380	N104	67			Use SCAC of carrier making the delivery. Required for freight shipments only.
Tendered to Transportation Company Qualifier	[038]	*	1	380	N101	98	OC	-	Origin Carrier
Tendered to Transportation Company SCAC Qualifier	[039]	*	1	380	N103	66	2	-	SCAC
Tendered to Transportation Company SCAC	[040]		1	380	N104	67			Use the SCAC of the tendered to company.
Diversion/Reconsignment From Qualifier	[041]	*	1	380	N101	98	T4	-	Transfer Point
Diversion/Reconsignment From SPLC Qualifier	[042]	*	1	380	N103	66	20	-	Standard Point Location Code (SPLC)
Diversion/Reconsignment From SPLC	[043]		1	380	N104	67			Qualify in N103. Required for freight shipments only.
Alternate Terminal Qualifier	[043 010]	*	2	20	N101	98	TR	-	Terminal

DEPARTMENT OF DEFENSE
EDI CONVENTION

GENERIC FREIGHT INVOICE
859.003020

FREIGHT INVOICE
DATA NAME

INDEX	Q	TBL	POS	REF DES	DE #	VALUE	DoD CONVENTION
Alternate Port or Terminal Code	[043 020]	2	20	N102	93		Use the authorized MTMC code of the alternate Military Ocean/Aerial Terminal (MOT/MAT) for code T and 6 shipments when rate solicitation item 528 applies. Use the authorized MTMC code of the alternate Aerial Port of Embarkation or Debarcation (APOE or APOD) for code J shipments when rate solicitation item 529 applies. For personal property carrier use when the single factor charge is affected by use of alternate terminal or port.
Air/Ocean Carrier Name Qualifier	[044]	*	1	380	N101	98	CA - Carrier Name
Air/Ocean Carrier Name	[045]	1	380	N102	93		Use to certify use of air/ocean carrier for international shipments. Qualify in N101.
Vessel Name	[046]	1	390	N201	93		Ocean carrier's vessel name.
Air/Ocean Bill Number Qualifier	[047]	*	1	420	REF01	128	AW - Air Bill of Lading OB - Ocean Bill of Lading
Air/Ocean Bill Number	[048]	1	420	REF02	127		Qualify in REF01.
Waiver Control Number Qualifier	[049]	*	1	420	REF01	128	XC - Cargo Control Number
Waiver Control Number	[050]	1	420	REF02	127		Use to certify U.S. Flag waiver issued. Qualify in REF01.
Authorized Representative Name	[051]	1	420	REF03	352		Use to certify U.S. flag waiver issued. Qualify in REF01.

Service Charge Loop Identifier [052] * 2 10 LX01 554

Assign a sequential number for each service charge except as follows: 1) assign number 301 for personal property accessorial service charges performed at origin or in transit 2) assign number 302 for personal property accessorial service charges performed at destination. Use one LX01 for each L108 (service charge code).

Extra Pickup/Delivery Location
Qualifier

[052 010] * 2 20 N101 98 AB - Additional Pickup Address
AE - Additional Delivery Address

Extra Pickup/Delivery State Code [052 020] 2 20 N102 93

Use 2 character state code (FIPS-PUB-5-1) of location of extra pickup/delivery where additional service occurred. Use only for personal property shipments with DoD accessorial item codes of 101 or any item that uses rates for item 101, 112, and 502 or any item that uses rates for item 502.

Service Charge Sequence Number [053] * 2 110 L001 213

Assign a sequential number for each service charge.

Number of Units Performed [053 010] 2 110 L002 220

The number of accessorial service units performed by the carrier for a specific additional service. Required for personal property carriers only.

Number of Units Performed
Qualifier

[053 020] * 2 110 L003 221

CF - Cubic Foot
EA - Each
FR - Flat Rate
LC - 100 Pounds
NR - Containers
RV - Released Value
TD - Days
TH - Hours

Reference code list in Appendix 10.F for application of this qualifier. Required for personal property carriers only.

DEPARTMENT OF DEFENSE
EDI CONVENTION

GENERIC FREIGHT INVOICE
859.003020

FREIGHT INVOICE
DATA NAME

DoD CONVENTION

INDEX	Q	TBL	POS	REF DES	DE #	VALUE	DoD CONVENTION
[053 030]	2	110	L004	81			
Weight							The weight of the personal property if L112 is 112A, 112B, 112C, 130D, 145B, 152D, 518A, 518C, or 534A. For personal property shipments only.
Weight Qualifier	* 2	110	L005	187	B	- Billed Weight	
Weight Unit Qualifier	* 2	110	L011	188	L	- Pounds	
Service Charge		2	120	L104	58		Charge for each service identified in L108. See Billing Instructions available from DoD Payment Center for more information. Implied decimal at second position from right.
Service Charge Code		* 2	120	L108	150		Services regulated by the Military Traffic Management Command (MTMC). See Billing Instructions available from DoD Payment Center for more information. See Appendix 10.F for cross reference from DoD codes to ASC X12 codes.
Service Charge Description		* 2	120	L112	276		Use standard MTMC code that further describes the service or enter a free form description of any third party or miscellaneous service.
Tariff/Tender Miles		2	140	L713	294		Mileage used in calculating mileage related charges. Qualify in L714.
Tariff/Tender Miles Qualifier	* 2	140	L714	295	T	- Tariff/Tender Miles	
Included Number of Segments		3	20	SE01	96		Total segments in this transaction set including the ST and SE segments.

GENERIC FREIGHT INVOICE
859.003020

DEPARTMENT OF DEFENSE
EDI CONVENTION

Transaction Set Control Number 1000 J 3 20 SE02 329

This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.

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10.7 DoD CONVENTIONS

Overview

This chapter is the convention for the ASC X12.55 Transaction Set 859 (Version 003020) as used by the Department of Defense for accepting a transportation invoice. It was derived from:

- Table 10.5-1, Data Element Cross-Reference Matrix that describes the discrete DoD data requirements for invoices.
- ASC X12.55 Transaction Set 859 Generic Freight Invoice.

A relational database management system was used to merge the Data Element Cross-Reference Matrix and a Transaction Set 859 database into the subset of 859 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 859. All trading partners who plan to exchange the Transaction Set 859 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 X12.55 Transaction Set 859 Segment Hierarchy describes the 859 segments as they appear in the ASC X12 Standards Dictionary.
- Table 10.7-2, DoD Model Transaction Set 859 Segment Hierarchy describes the subset of 859 segments used for sending transportation invoices.
- Table 10.7-3, Conventions is a detailed description of the Department of Defense conventions for transmitting Transaction Set 859. 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 X12.55 TRANSACTION SET 859
GENERIC FREIGHT INVOICE
(Version 003020)

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ASC X12.55 Transaction Set 859
Generic Freight Invoice (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	B3	Beginning Segment for Carrier's Invoice	M	1	
	30	B3A	Invoice Type	O	1	
USE	40	N9	Reference Number	O	30	
	50	CM	Cargo Manifest	O	1	
	60	Y6	Authentication	O	4	
	70	Y7	Priority	O	1	
	80	C3	Currency	O	1	
USE	90	ITD	Terms of Sale/Deferred Terms of Sale	O	1	
USE	100	G62	Date/Time	O	10	
	110	PER	Administrative Communications Contact	O	3	
	120	NA	Cross-Reference Equipment	O	30	
	130	F9	Origin Station	O	1	
	140	D9	Destination Station	O	1	
	150	R1	Route Information (Air)	O	1	
	160	R2	Route Information	O	13	
	170	H3	Special Handling Instructions	O	6	
	171	PS	Protective Service Instructions	O	5	
	180	H6	Special Services	O	6	
	190	M1	Insurance	O	1	
	200	M2	Sales/Delivery Terms	O	1	
	210	L7	Tariff Reference	O	30	
USE	220	NTE	Note/Special Instruction	O	30	
	230	XH	Pro Forma - B13 Information	O	1	
	240	GA	Canadian Grain Information	O	1	
	250	P1	Pick-up	O	1	
	260	ITA	Allowance, Charge or Service	O	1	
	270	N8	Waybill Reference	O	255	
	280	R9	Route Code	O	1	
	290	H1	Hazardous Material	O	1	H1/3
	300	H2	Additional Hazardous Material Description	O	2	

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USE

USE

USE

310	N7	Equipment Details	O	1	N7/600
320	M7	Seal Numbers	O	5	
330	N5	Equipment Ordered	O	1	
340	REF	Reference Numbers	O	5	
350	IC	Intermodal Chassis Equipment	O	1	
360	VC	Motor Vehicle Control	O	21	
370	G4	Scale Identification Segment	O	1	

380	N1	Name	O	1	N1/10
390	N2	Additional Name Information	O	2	
400	N3	Address Information	O	2	
410	N4	Geographic Location	O	1	
420	REF	Reference Numbers	O	12	
430	PER	Administrative Communications Contact	O	3	

440	S5	Stop Off Details	O	1	S5/50
450	G62	Date/Time	O	6	
460	N9	Reference Number	O	10	
470	H6	Special Services	O	6	

480	N1	Name	O	1	N1/5
490	N2	Additional Name Information	O	2	
500	N3	Address Information	O	2	
510	N4	Geographic Location	O	1	
520	REF	Reference Numbers	O	12	
530	PER	Administrative Communications Contact	O	3	

Table 2 - Detail Area

Industry

USE

USE

Pos No.	Seg ID	Name	Req Des	Use	Loop
10	LX	Assigned Number	M	1	LX/999
20	N1	Name	O	1	N1/10
30	N2	Additional Name Information	O	2	
40	N3	Address Information	O	2	

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USE	50	N4	Geographic Location	O	1	
	60	REF	Reference Numbers	O	12	
	70	PER	Administrative Communications Contact	O	3	
USE	100	L5	Description, Marks and Numbers	O	10	
	110	L0	Line Item - Quantity and Weight	O	1	L0/10
	120	L1	Rate and Charges	O	20	
USE	130	MEA	Measurements	O	5	
	140	L7	Tariff Reference	O	10	
	160	SL1	Tariff Reference	O	1	
USE	170	R1	Route Information (Air)	O	1	
	180	LH	Mixed Hazardous Commodities	O	1	
	190	N9	Reference Number	O	10	
USE	200	X1	Export License	O	6	
	210	X2	Import License	O	1	
	220	P1	Pick-up	O	1	
USE	230	POD	Proof of Delivery	O	1	
	240	FOB	F.O.B. Related Instructions	O	1	
	250	ITA	Allowance, Charge or Service	O	20	
USE	260	L8	Line Item Subtotal	O	1	
	270	V9	Event Detail	O	1	
	280	P2	Delivery	O	1	
USE	290	N7	Equipment Details	O	5	
	300	H1	Hazardous Material	O	1	H1/3
	310	H2	Additional Hazardous Material Description	O	2	

Table 3 - Summary Area

Industry	Pos	Seg	Name	Req	Use	Loop
	No.	ID		Des		
USE	10	L3	Total Weight and Charges	O	1	
	20	SE	Transaction Set Trailer	M	1	

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TABLE 10.7-2

SEGMENT HIERARCHY

DoD MODEL FOR TRANSACTION SET
859 GENERIC FREIGHT INVOICE

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DoD Model Transaction Set 859
Generic Freight Invoice
Segment Hierarchy

Table 1 - Header Area

Page No.	Pos No.	Seg ID	Name	Req Des	Use	Loop
17	10	ST	Transaction Set Header	M	1	
18	20	B3	Beginning Segment for Carrier's Invoice	M	1	
21	40	N9	Reference Number	O	30	
23	90	ITD	Terms of Sale/Deferred Terms of Sale	O	1	
25	100	G62	Date/Time	O	10	
27	220	NTE	Note/Special Instruction	O	30	
29	380	N1	Name	O	1	N1/10
32	390	N2	Additional Name Information	O	2	
33	420	REF	Reference Numbers	O	12	

Table 2 - Detail Area

Page No.	Pos No.	Seg ID	Name	Req Des	Use	Loop
35	10	LX	Assigned Number	M	1	LX/999
36	20	N1	Name	O	1	N1/10
38	110	L0	Line Item - Quantity and Weight	O	1	L0/10
41	120	L1	Rate and Charges	O	20	
43	140	L7	Tariff Reference	O	10	

Table 3 - Summary Area

Page No.	Pos No.	Seg ID	Name	Req Des	Use	Loop
45	20	SE	Transaction Set Trailer	M	1	

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TABLE 10.7-3

DoD 859 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 859.

1. Identify a segment from a populated transaction set (See Appendix 10.C for examples of the 859).
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 Tale 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
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: 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 Code uniquely identifying a Transaction Set.	M ID 3/3
		<u>Code</u> <u>Definition</u>	
		859 X12.55 Freight Invoice	
ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Transaction Set Id
[001 *]

Transaction Set Control
Number
[002]

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

Segment: B3 Beginning Segment for Carrier's Invoice

Level: 1

Sequence: 20

Usage: O

Max Use: 1

Loop:

Purpose: To transmit basic data relating to carrier's invoice.

Comment: A. Due to the installation of the "ST" segment in all transaction sets, data element 143 in all of the "B" segments is redundant. DE143 will be retained as an optional data element for a period of adjustment. It is suggested that DE143 ...see X12 Dictionary

Syntax Notes: 01 If either B309 or B310 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
B301	143	Transaction Set Identifier Code	O ID 3/3
B302	76	Invoice Number Identifying number assigned by issuer.	M AN 1/22
B303	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification. (Does not contain blanks or special characters.)	C AN 1/30

Invoice Number
[003]

Transportation service provider's
unique invoice number.

GBL Number
[004]

DoD unique number representing a shipment. The number is made up of one or two alpha characters followed by six or seven numbers. Do not use any punctuation or special characters.

Shipment Method of
Payment
[005]

Invoice Date
[006]

Date the invoice is issued. Use format YYMMDD.

Total Charges
[007]

Total shipment charge including linehaul, accessorial, special, and fuel surcharge charges. Implied decimal at second position from right.

B304 146 Shipment Method of Payment M ID 2/2
Code identifying payment terms for transportation charges.

Code	Definition
CC	Collect
PP	Prepaid

B305 188 Weight Unit Qualifier O ID 1/1

B306 373 Date M DT 6/6
Date (YYMMDD).

B307 193 Net Amount Due M N2 1/9
Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified.

B308 202 Correction Indicator C ID 2/2
Code used to indicate that the transaction set contains information which corrects a previous billing.

Correction Indicator
[008 *]

If the invoice is submitted for the first time (original invoice), this optional data field is not used.

Delivery Date
[009]

Date shipment is delivered to consignee. Not required for submission of supplemental invoices. Use format YYMMDD. Qualify in B310. Required for freight shipments only.

Delivery Date Qualifier
[010 *]

Billing Carrier SCAC
[011]

Use the SCAC of the billing carrier.

Code Definition

AD Supplemental
CA Cancel

B309 32 Delivery Date X DT 6/6
Date for delivery of cargo to final consignee or to next mode.

B310 374 Date/Time Qualifier X ID 3/3
Code specifying type of date or time, or both date and time.

Code Definition

35 Delivered

B311 140 Standard Carrier Alpha Code M ID 2/4
Standard Carrier Alpha Code

B312 373 Date O DT 6/6

Segment: N9 Reference Number

Level: 1

Sequence: 40

Usage: M

Max Use: 30

Loop:

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Syntax Notes: 01 At least one of N902 or N903 must be present.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N901	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	

Code	Definition
CN	Carrier Reference Number (PRO Number)

Code	Definition
PQ	Payee Identification

N902	127	Reference Number	X AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	

Carrier Reference Number
Qualifier
[013 *]

Payee Code Qualifier
[015 *]

Carrier Reference Number
[014]

Qualify in N901.

Payee Code
[016]

Identification assigned by DoD payment center. Qualify in N901.

N903	369	Free-form Description	X AN 1/45
		Free-form descriptive text.	

Payee Zip Code
[016 010]

Zip code of payee.

N904 373 Date

O DT 6/6

N905 337 Time

O TM 4/6

Segment: ITD Terms of Sale/Deferred Terms
of Sale

Level: 1

Sequence: 90

Usage: O

Max Use: 1

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	X DT 6/6

Discount Percent
[017]

Terms discount percentage, ex-
pressed as a percent, available to
the purchases if an invoice is paid
on or before the number of dis-
count days has expired. Explicit
decimal required. Express ac-
curacy to tenths of a percent (i.e.
10 percent is expressed as 10.0).

Discount Days
[018]

The number of days in the terms discount period by which payment is due if terms discount is earned.

ITD05	351	Terms Discount Days Due	X	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
ITD08	362	Terms Discount Amount	O	N2	1/10
ITD09	388	Terms Deferred Due Date	O	DT	6/6
ITD10	389	Deferred Amount Due	X	N2	1/10
ITD11	342	Percent of Invoice Payable	X	R	1/5
ITD12	352	Description	O	AN	1/80
ITD13	765	Day of Month	X	N0	1/2
ITD14	107	Payment Method Code	O	ID	1/1
ITD15	954	Percent	O	R	1/10

Segment: G62 Date/Time

Level: 1

Sequence: 100

Usage: X

Max Use: 10

Loop:

Purpose: To specify pertinent dates and times

Syntax Notes: 01 At least one of G6201 or G6203 must be present.

02 If either G6201 or G6202 is present, then the other is required.

04 If either G6203 or G6204 is present, then the other is required.

Data Element Summary

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

G6201	432	Date Qualifier	X ID 2/2
-------	-----	----------------	----------

Code specifying type of date.

Code	Definition
86	Actual Pickup Date

G6202	373	Date	X DT 6/6
-------	-----	------	----------

Date (YYMMDD).

G6203	176	Time Qualifier	X ID 1/1
-------	-----	----------------	----------

Code specifying the reported time.

Code	Definition
8	Actual Pickup Time

G6204	337	Time	X TM 4/6
-------	-----	------	----------

Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).

Carrier Pickup Date Qualifier
[019 *]

Carrier Pickup Date
[020]

Date carrier picked up shipment.
Not required for submission of supplemental invoices. Use format YYMMDD. Qualify in G6201.

Carrier Pickup Time Qualifier
[021 *]

Carrier Pickup Time
[022 1

Use format HHMM. Required for
freight shipments only. Qualify in
G6203.

G6205 623 Time Code

O ID 2/2

Segment: NTE Note/Special Instruction
Level: 1
Sequence: 220
Usage: 0
Max Use: 30
Loop:
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Comment: A. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the "NTE" segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies.	
		<u>Code</u>	<u>Definition</u>
		DEL	Delivery Note
		<u>Code</u>	<u>Definition</u>
		PMT	Payment Note
		<u>Code</u>	<u>Definition</u>
		PMT	Payment Note

NTE02 3 Free Form Message M AN 1/60
Free-form text.

Delivery Note
[023 *]

Payment Note
[025 *]

Payment Note
[027 *]

Damage Indicator
[024 1]

Use code "D" to indicate damage and/or shortage apparent upon delivery.

Waiver Indicator
[026]

Use code "W" to certify that a
waiver has been received.

Documentation Indicator
[028]

Use code "S" to indicate that sup-
porting documentation will follow
EDI transmission.

Segment: N1 Name
Level: 1
Sequence: 380
Usage: M
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.	
		<u>Code</u>	<u>Definition</u>
		IU	Issuer
		<u>Code</u>	<u>Definition</u>
		CN	Consignee
		<u>Code</u>	<u>Definition</u>
		DC	Destination Carrier
		<u>Code</u>	<u>Definition</u>
		OC	Origin Carrier

Issuing Office Qualifier
[029 *]

Consignee Qualifier
[032 *]

Destination Transportation
Company Qualifier
[035 *]

Tendered to Transportation
Company Qualifier
[038 *]

Diversion/Reconsignment
From Qualifier
[041 *]

Code Definition

T4 Transfer Point

Air/Ocean Carrier Name
Qualifier
[044 *]

Code Definition

CA Carrier Name

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

Air/Ocean Carrier Name
[045]

Use to certify use of air/ocean carrier for international shipments.
Qualify in N101.

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

Issuing Office GBLOC
Qualifier
[030 *]

Code Definition

27 Government Bill Of Lading Office Code (GBLOC)

Consignee GBLOC Qualifier
[033 *]

Code Definition

27 Government Bill of Lading Office Code (GBLOC)

Destination Transportation
Company SCAC Qualifier
[036 *]

Code Definition

2 SCAC

Tendered to Transportation
Company SCAC Qualifier
[039 *]

Code Definition

2 SCAC

Diversion/Reconsignment
From SPLC Qualifier
[042 *]

Code Definition

20 Standard Point Location Code (SPLC)

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

Issuing Office GBLOC
[031]

Qualify in N103.

Consignee GBLOC
[034]

GBLOC of the office responsible
for the shipment at the destina-
tion. Required for personal proper-
ty shipments only. Qualify in
N103.

Destination Transportation
Company SCAC
[037]

Use SCAC of carrier making the
delivery. Required for freight ship-
ments only.

Tendered to Transportation
Company SCAC
[040]

Use the SCAC of the tendered to
company.

Diversion/Reconsignment
From SPLC
[043]

Qualify in N103. Required for
freight shipments only.

Segment: N2 Additional Name Information
Level: 1
Sequence: 390
Usage: M
Max Use: 2
Loop:
Purpose: To specify additional names or those longer
than 35 characters in length

Data Element Summary

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

Vessel Name
[046]

Ocean carrier's vessel name.

Segment: REF Reference Numbers

Level: 1

Sequence: 420

Usage: M

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.

Code Definition

AW	Air Bill of Lading
OB	Ocean Bill of Lading

Code Definition

XC	Cargo Control Number
----	----------------------

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

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

Air/Ocean Bill Number
Qualifier
[047 *]

Waiver Control Number
Qualifier
[049 *]

Air/Ocean Bill Number
[048]

Qualify in REF01.

Waiver Control Number
[050]

Use to certify U.S. Flag waiver is-
sued. Qualify in REF01.

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

A free-form description to clarify the related data elements and their content.

Authorized Representative
Name
[051]

Use to certify U.S. flag waiver is-
sued. Qualify in REF01.

Segment: LX Assigned Number
Level: 2
Sequence: 10
Usage: M
Max Use: 1
Loop:
Purpose: To reference a line number in a transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LX01	554	Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set.	

Service Charge Loop Identifier [052 *]

Assign a sequential number for each service charge except as follows: 1) assign number 301 for personal property accessorial service charges performed at origin or in transit 2) assign number 302 for personal property accessorial service charges performed at destination. Use one LX01 for each L108 (service charge code).

Segment: N1 Name
Level: 2
Sequence: 20
Usage: M
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.	

Code	Definition
TR	Terminal

Code	Definition
AB	Additional Pickup Address
AE	Additional Delivery Address

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

Alternate Terminal Qualifier
[043 010 *]

Extra Pickup/Delivery
Location Qualifier
[052 010 *]

Alternate Port or Terminal
Code
[043 020]

Use the authorized MTMC code of the alternate Military Ocean/Aerial Terminal (MOT/MAT) for code T and 5 shipments when rate solicitation item 528 applies. Use the authorized MTMC code of the alternate Aerial Port of Embarkation or Debarkation (APOE or APOD) for code J shipments when rate solicitation item 529 applies. For personal property carrier use when the single factor charge is affected by use of alternate terminal or port.

Extra Pickup/Delivery State
Code
[052 020]

Use 2 character state code (FIPS-PUB-5-1) of location of extra pickup/delivery where additional service occurred. Use only for personal property shipments with DoD accessorial item codes of 101 or any item that uses rates for item 101, 112, and 502 or any item that uses rates for item 502.

N103	66	Identification Code Qualifier	C	ID	1/2
N104	67	Identification Code	C	ID	2/17

Segment: L0 Line Item - Quantity and Weight
Level: 2
Sequence: 110
Usage: O
Max Use: 1
Loop:

Purpose: To specify quantity, weight, volume and type of service for a line item including applicable "quantity/rate-as" data.

Syntax Notes: 02 If either L002 or L003 is present, then the other is required.
04 If either L004, L005 or L011 is present, the others are required.
06 If either L006 or L007 is present, then the other is required.
08 If either L008 or L009 is present, the other is required.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
L001	213	Lading Line Item Number Sequential line number for a lading item.	O N0 1/3
L002	220	Billed/Rated-as Quantity Basis for rating (miles, value, volume, etc.). Note: Weight may be defined by either data element 220 or 81.	X R 1/11
L003	221	Billed/Rated-as Qualifier Code identifying the type of quantity or value on which the rate or item pricing is based.	X ID 2/2

Service Charge Sequence
Number
[053 *]

Assign a sequential number for each service charge.

Number of Units Performed
[053 010]

The number of accessorial service units performed by the carrier for a specific additional service. Required for personal property carriers only.

Number of Units Performed
Qualifier
[053 020 *]

Reference code list in Appendix
10.F for application of this
qualifier. Required for personal
property carriers only.

Weight
[053 030]

The weight of the personal prop-
erty if L112 is 112A, 112B, 112C,
130D, 145B, 152D, 518A, 518C,
or 534A. For personal property
shipments only.

Weight Qualifier
[053 040 *]

Code	Definition
CF	Cubic Foot
EA	Each
FR	Flat Rate
LC	100 Pounds
NR	Containers
RV	Released Value
TD	Days
TH	Hours

L004 81 Weight X R 1/8
Numeric value of weight.

L005 187 Weight Qualifier X ID 1/2
Code defining the type of weight.

Code	Definition
B	Billed Weight

L006 183 Volume X R 1/8

L007 184 Volume Unit Qualifier X ID 1/1

L008 80 Lading Quantity X NO 1/7

L009 211 Lading Quantity Qualifier X ID 3/3

L010 458 Dunnage Description O AN 2/25

L011 188 Weight Unit Qualifier O ID 1/1

Weight Unit Qualifier
[053 050 *]

Code specifying the weight unit.

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

L	Pounds
---	--------

L012	56	Type of Service Code	O	ID	2/2
------	----	----------------------	---	----	-----

Segment: L1 Rate and Charges
Level: 2
Sequence: 120
Usage: O
Max Use: 20
Loop:

Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes: 04 At least one of L104, L105, or L106 must be present.
14 If either L114 or L115 is present, the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
L101	213	Lading Line Item Number	O N0 1/3
L102	60	Freight Rate	O R 1/9
L103	122	Rate/Value Qualifier	O ID 2/2
L104	58	Charge	X N2 1/9
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.	
L105	191	Advances	X N2 1/9
L106	117	Prepaid Amount	X N2 1/9
L107	120	Rate Combination Point Code	O AN 3/9

Service Charge [054]

Charge for each service identified in L108. See Billing Instructions available from DoD Payment Center for more information. Implied decimal at second position from right.

Service Charge Code
[055 *]

Services regulated by the Military Traffic Management Command (MTMC). See Billing Instructions available from DoD Payment Center for more information. See Appendix 10.F for cross reference from DoD codes to ASC X12 codes.

Service Charge Description
[056 *]

Use standard MTMC code that further describes the service or enter a free form description of any third party or miscellaneous service.

L108	150	Special Charge Code	O ID	3/3
Code identifying type of special charge.				
L109	121	Rate Class Code	O ID	1/3
L110	39	Entitlement Code	O ID	1/1
L111	16	Charge Method of Payment	O ID	1/1
L112	276	Special Charge Description	O AN	2/25
Identification of special charge. This data element is used whenever an applicable code cannot be found in data element 150.				
L113	257	Tariff Application Code	O ID	1/1
L114	74	Declared Value	X N2	2/10
L115	122	Rate/Value Qualifier	X ID	2/2
L116	372	Lading Liability Code	O ID	1/1
L117	220	Billed/Rate as Quan.	X R	1/11
L118	221	Billed/Rate as Qual.	X ID	2/2

Segment: L7 Tariff Reference
Level: 2
Sequence: 140
Usage: 0
Max Use: 10
Loop:
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Comment: A. "City" and "State" in L715 and L716 are used for rate combination city and state.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
L701	213	Lading Line Item Number	O NO 1/3
L702	168	Tariff Agency Code	O ID 1/4
L703	171	Tariff Number	O AN 1/7
L704	172	Tariff Section	O AN 1/2
L705	169	Tariff Item Number	O AN 1/16
L706	170	Tariff Item Part	O NO 1/2
L707	59	Freight Class Code	O AN 2/5
L708	173	Tariff Supplement Identifier	O AN 1/4
L709	46	Ex Parte	O AN 4/4
L710	373	Effective Date	O DT 6/6
L711	119	Rate Basis Number	O AN 1/6
L712	227	Tariff Column	O AN 1/2

Tariff/Tender Miles [057] Mileage used in calculating mileage related charges. Qualify in L714.	L713 294 Tariff Distance O NO 1/5 Distance on which the rate for a shipment is based.				
Tariff/Tender Miles Qualifier [058 *]	L714 295 Distance Qualifier O ID 1/1 Code identifying the distance unit. <table> <tr> <th>Code</th><th>Definition</th></tr> <tr> <td>T</td><td>Tariff/Tender Miles</td></tr> </table>	Code	Definition	T	Tariff/Tender Miles
Code	Definition				
T	Tariff/Tender Miles				
	L715 19 City Name O AN 2/19				
	L716 156 State or Province Code O ID 2/2				

Segment: SE Transaction Set Trailer
Level: 3
Sequence: 20
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

Ref. Des.	Data Element	Name	Attributes
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.	

Included Number of
Segments
[059]

Total segments in this transaction
set including the ST and SE seg-
ments.

Transaction Set Control
Number
[060]

This data element ends the trans-
action set and should match the
number that appears in the ST02
that begins the transaction set.

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10.C Examples - X12.55 Transaction Set 859 Generic Freight Invoice

This appendix contains an example of Transaction Set 859 as it is used to transmit invoice information to a DoD payment center, the Defense Finance and Accounting Service - Indianapolis Center (DFAS-IN).

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Example - Invoice information from Carrier to DFAS-IN using ANSI X12 859

ST*859*00001 n/l	Transaction set header
B3**7846-1112*B1562824*PP**910617*134158*	
*910625*35*BVNL n/l	Beginning segment
N9*CN*257684 n/l	Carrier PRO Number
N9*PQ*1633 n/l	Payee code
ITD***5.00**15 n/l	Discount terms
G62*86*910622 n/l	Pickup date and time
NTE*PMT*W n/l	Waiver certification
N1*IU**27*LNFL n/l	Issuing office GBLOC
N1*OC**2*UNVL n/l	Tendered to company SCAC
LX*300 n/l	Charge loop ID
L0*1 n/l	Charge sub-loop ID
L1****1149.00****LHS n/l	Linehaul service
LX*300 n/l	Charge loop ID
L0*2 n/l	Charge sub-loop ID
L1****3000****405 n/l	Fuel surcharge
LX*301 n/l	Charge loop ID
L0*1*20*EA n/l	Charge sub-loop ID
L1****10258****PUK****100B n/l	Accessorial service charge
LX*301 n/l	Charge loop ID
L0*2*15*EA n/l	Charge sub-loop ID
L1****6000****PUK****100C n/l	Accessorial service charge
L7*****567*T n/l	Tender miles
SE*23*00001 n/l	Transaction set trailer

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10.F Additional DoD Code Lists

This appendix contains contains additional DoD code lists for formatting invoice data to the ANSI X12 859 transaction set. Please note that DoD code definitions may not be exactly the same as those identified in the ASC X12 Standards publications.

Code list includes:

[055] - Service Charge Code

Footnote definitions:

* Need new X12 code

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[055] Service Charge Code

Mapping: 2 120 L108 150

Accessorial Services for Freight Motor Shipments

DoD Code	L108 Value	DoD Definition	L112 Value
AG	AGS	Armed Guard	
CS	CIS*	Constant Surveillance	
DD	DDP	Dual Driver	
DN	DDN*	Dual Driver With National Agency Check	
MS	MVS*	Motor Surveillance (8 hour calls)	
MS	MNS	Motor Surveillance (12 hour calls)	
PS	PSS	Protective Security (without armed drivers)	
PS	PSG	Protective Security (with armed drivers)	
SE	SEV	Security Escort Service	
ST	675	Signature Tally	
SM	SNS	Satellite Motor Surveillance	
AC	045	Advancing Charges	
VT	VTS	Vehicles In Truckaway	
CB	CHN	Chains and Binders	
DP	DEP	Detention With Power Unit	
DW	DET	Detention Without Power Unit	
ER	ERS	Empty Return	
EU	EED	Exclusive Use	
EX	EXP	Expedited Service	
HF	HHB	Handling Freight	
LU	URC	Loading/Unloading	
PR	PRL	Prelodging	
PD	PUD	Pickup/Delivery	
PT	PTS	Protective Tarping	
RC	RCC	Reconsignment/Diversion	
RD	RCL	Redelivery	
RV	RLS	Relocation of Vehicle	
SP	SPU	Split Pickup/Delivery	
SO	SOC	Stop-Off	

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SO	EKM	Excess Mileage Charge
SG	SRG	Storage
VF	VFN	Vehicle Furnished But Not Used
VI	VIS	Vehicles Inoperable
WV	WTV	Weight Verification
OW	PER	Overweight Permit
EM	EMT	Empty Movement
EF	MES	Escort (standard)
EF	MEN	Escort (overnight subsistence)
EF	MET	Escort (Telephone)
EL	ELS	Extra Lights
IM	IMP	Impactographs
OD	520	Overdimension
RU	RSS*	Restricted Speeds
SR	SRS	Surveying Routes

2 char state code

Accessorial Services for Freight Rail Shipments

DoD Code	L108 Value	DoD Definition
GS	GSS	Greater Security
RG	ARG	Rail Armed Guard
RS	RMS	Rail Surveillance
TS	TSS	Tank Surveillance (one tank per car)
TS	TMS	Tank Surveillance (two tanks per car)
DM	DEM	Demurrage
HR	HRS	Heater/Refrigeration
RC	RCC	Reconsignment/Diversion
SO	SOC	Stop-Off
SO	EXM	Excess Mileage Charge
SG	SRG	Storage
WV	WTV	Weight Verification
AC	045	Advancing Charges
DV	DTB	Detention
ED	EXD*	Extra Driver
FC	FCS	Furnishing Chassis
HF	HHB	Handling Freight
LU	URC	Loading/Unloading
PD	PUD	Pickup/Delivery
PR	PRL	Prelodging
RD	RCL	Redelivery
RV	RLS	Relocation of Vehicle
SP	SPU	Split Pickup
SV	SVS	Storage of Vehicles
TM	TMV	Tendering of Multiple Vehicles
VF	VFN	Vehicles Furnished But Not Used
SS	3FT	Special Train Service
AA	AAS	Attendants Accompanying
CG	CSP*	Government Caboose
CG	GSP*	Government Guard Cars
CG	CCS*	Carrier Caboose
CG	CGC	Carrier Guard Cars
CG	CGR	Government Caboose/Guard Cars Returned
EC	ECS	Empty Cars Ordered But Not Used

Accessorial Services For Freight Bulk Fuel Shipments

DoD Code	L108 Value	DoD Definition
AC	045	Advancing Charges
AL	SPA	Allowances
CL	CLN	Cleaning
DP	DEP	Detention With Power Unit
DW	DET	Detention Without Power Unit
EH	HOS	Equipment Hose (over 36")
EH	HOX	Equipment Hose (special type)
EH	EDO*	Equipment Hose (dispatched at origin)
EH	EDD*	Equipment Hose (dispatched at destination)
EX	EXP	Expedited
LS	ADL*	Advance Loading
PD	PUD	Pickup/Delivery
PE	PAJ	Pumping Equipment
RC	RCC	Reconsignment/Diversion
RD	RCL	Redelivery
SG	SRG	Storage
SO	SOC	Stop-Off IN Transit
SO	EXM	Excess Mileage Charge
SP	SPU	Split Pickup/Delivery
VF	VFN	Vehicles Furnished But Not Used
WD	WDS*	Waterfront Delivery

Accessorial Services For Pipeline Shipments

DoD Code	L108 Value	DoD Definition
AJ	AIB*	Additional Injection/Blending Service
DE	DEL	Delivery Service
FL	FTS*	Filtration Service

Accessorial Services for Personal Property Shipment (Domestic)

DoD Code	L108 Value	DoD Definition	L003 Value	L112 Value
	PDS*	Pickup/delivery	LC	PDS
100	PUK*	Max pack	LC	100A
100	PUK*	Drum, disk pack	EA	100B
100	PUK*	Carton, <3 cuft.	EA	100C
100	PUK*	Carton, 3 cuft.	EA	100D
100	PUK*	Carton, 4 1/2 cuft.	EA	100E
100	PUK*	Carton, 6 cuft.	EA	100F
100	PUK*	Carton, 6 1/2 cuft.	EA	100G
100	PUK*	Wardrobe carton	EA	100H
100	PUK*	Mattress carton, crib	EA	100I
100	PUK*	Mattress carton, <39" x 75"	EA	100J
100	PUK*	Mattress carton, <54" x 75"	EA	100K
100	PUK*	Mattress carton, >54" x 75"	EA	100L
100	PUK*	Mattress carton, 39" x 80"	EA	100M
100	PUK*	Corrugated container	EA	100N
100	PUK*	Grandfather clock	EA	100P
100	PUK*	Crate	CF	100Q
100	PUK*	Double carton, <4 cuft.	EA	100S
100	PUK*	Double carton, >4 cuft. and <7 cuft.	EA	100T
100	PUK*	Double carton, >7 cuft. and <15 cuft.	EA	100U
101	LAA	Labor - regular	TH	101A
101	LAA	Labor - overtime	TH	101B
101	LAA	Labor-Sunday/holiday - Alaska only	TH	101C
105	PUD	Addl pu	EA	105A
105	PUD	Addl del	EA	105B
106	WRC	Partial del - weighing fee	EA	106A
108	RCL	Attempted delivery - linehaul	LC	108A
108	RCL	Attempted delivery - warehouse handling	LC	108B
108	RCL	Attempted delivery - waiting time	TH	108C
108	RCL	Attempted delivery - waiting time - labor - regular	TH	108D
108	RCL	Attempted delivery - waiting time - labor - overtime	TH	108E
108	RCL	Attempted del - waiting time- labor- Sunday/holiday-Alaska only	TH	108F
109	650	Attempted pickup - vehicle hours	TH	109A
109	650	Attempted pickup - labor - regular	TH	109B

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109	650	Attempted pickup - labor - overtime	TH	109C
109	650	Attempted pickup - labor - Sunday/holiday - Alaska only	TH	109D
110	AUX*	Auxiliary service - vehicle hours	TH	110A
110	AUX*	Auxiliary service - labor - regular	TH	110B
110	AUX*	Auxiliary service - labor - overtime	TH	110C
110	AUX*	Auxiliary service - labor - Sunday/holiday - Alaska only	TH	110D
111	POC*	Piano/organ carry - over 38"	EA	111A
111	POC*	Piano/organ carry - under 38"	EA	111B
111	POC*	Piano/organ carry - 1st flight	FR	111C
111	POC*	Piano/organ carry - additional flights	EA	111D
112	SEE*	Excess carry	EA	112A
112	SEE*	Stairs (outside)	EA	112B
112	SEE*	Stairs (inside)	EA	112C
112	SEE*	Elevator	LC	112D
113	BKA*	Bulky article - satellite disc/dish-over 12 ft.	EA	113A
113	BKA*	Bulky article - playhouse, tool sheds, dog houses, utility sheds	EA	113B
113	BKA*	Bulky article - hot tubs, spas, whirlpool baths, jacuzzis	EA	113C
113	BKA*	Bulky article - satellite disc/dish-under 4 ft.	EA	113D
113	BKA*	Bulky article - satellite disc/dish-over 4 ft. to 8 ft.	EA	113E
113	BKA*	Bulky article tractors - riding mowers over 25 hp	EA	113F
113	BKA*	Bulky article - satellite disc/dish-8 ft. to 12 ft.	EA	113G
113	BKA*	Bulky articles - tractors - riding mowers-under 25 hp	EA	113H
113	BKA*	Bulky article - motorcycles	EA	113I
113	BKA*	Bulky article - snowmobiles-golf carts-recreational vehicle	EA	113J
113	BKA*	Bulky article -auto - truck - van	EA	113K
115	WTG	Waiting time	TH	115A
115	WTG	Waiting time - labor - regular	TH	115B
115	WTG	Waiting time - labor - overtime	TH	115C
115	WTG	Waiting time - labor - Sunday/holiday - Alaska only	TH	115D
120	OAC	Overtime load/unload	LC	120A
125	WTV	Reweigh	FR	125A
130	445	Additional shipment charge - released value	RV	130A
130	445	Additional shipment charge - Alaska (to and from)	RV	130B
130	445	Additional shipment charge - SIT - first day	LC	130C
130	445	Additional shipment charge - SIT - each additional day	EA	130D
135	HOC	Household appliances servicing	FR	135A
135	HOC	Household appliances servicing - labor - regular	TH	135B

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135	HOC	Household appliances servicing - labor - overtime	TH	135C
135	HOC	Household appliances servicing - labor - Sunday/holiday - Alaska only	TH	135D
136	BRD	Ferry charge - Fauntleroy - Vashon-Harper	LC	136A
136	BRD	Ferry charge - Anacortes - San Juan Island	LC	136B
136	BRD	Ferry charge - Governor's Island, NY - New York, NY	LC	136C
136	BRD	Ferry charge - Tacoma - Vashon Island	LC	136D
136	BRD	Ferry charge - Edmonds - Kingston	LC	136E
136	BRD	Ferry charge - Port Townsend - Keystone	LC	136F
136	BRD	Ferry charge - Mukilleo - Columbia Beach	LC	136G
136	BRD	Ferry charge - Seattle - Bremerton	LC	136H
136	BRD	Ferry charge - Seattle - Winslow	LC	136I
136	BRD	Ferry charge - New London, CT-Fisher Island, NY	LC	136J
136	BRD	Ferry charge - Woodshole - Nantucket Island	LC	136K
136	BRD	Ferry charge - Woodshole - Oak Bluff, Martha's Vineyard	LC	136L
136	BRD	Service charge - Plantation - Islamorada, pts s & w in Fl Keys	LC	136N
136	BRD	Service charge - Adak	LC	136O
136	BRD	Service charge - Kodiak	LC	136P
136	BRD	Bridge charge - Newport Bridge, Newport	LC	136Q
136	BRD	Bridge charge - Virginia Beach - Norfolk - Cape Charles	LC	136R
136	BRD	Bridge charge - San Diego - Coronado	LC	136S
136	BRD	Bridge charge - Key Biscayne	LC	136T
136	BRD	Bridge charge - Mackinaw City, St. Ignace	LC	136U
136	BRD	Bridge charge - Megler, Wa. - Astoria, Or.	LC	136W
136	BRD	Bridge charge - Port Gamble - Shine	LC	136X
140	DIC	Diversions - flat charge - 12,000 lbs. and over	FR	140A
140	DIC	Diversions - per CWT - under 12,000 lbs.	LC	140B
145	STR	Storage - SIT 1st day	LC	145A
145	STR	Storage - each additional day	EA	145B
145	STR	Warehouse handling	LC	145C
152	335	Full replacement protection - CONUS	RV	152A
152	335	Full replacement protection - Alaska in/out	RV	152B
152	335	Full replacement protection - SIT - first day	LC	152C
152	335	Full replacement protection - SIT - each additional day	EA	152D
153	GOC*	Use of Government-owned containers - reduction charge	NR	153A
153	GOC*	Use of Government-owned containers - aux. service charge-vehicle hrs	TH	153B
153	GOC*	Use of Government-owned containers - aux. service labor - regular	TH	153C
153	GOC*	Use of Government-owned containers - aux. service labor - overtime	TH	153D

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153	GOC*	Use of Gov-owned containers-aux. serv. labor-Sun/holiday-Alaska only	TH	153E
154	SNT*	Shipment from non-temp storage	LC	154A
155	ATS	Additional transportation charge	TH	155A
500	PUK*	Pack (Mobile Home/Boats)	FR	500A
500	PUK*	Unpack (Mobile Home/Boats)	FR	500B
501	APL*	Appliance Servicing (Mobile Home/Boats)	FR	501A
502	PAK	Preparation for movement (Mobile Home/Boats)	FR	502A
503	UTL*	Utilities - disconnect (Mobile Home/Boats)	FR	503A
503	UTL*	Utilities - connect (Mobile Home/Boats)	FR	503B
505	BLK	Unblock (Mobile Home/Boats)	FR	505A
505	BLK	Block (Mobile Home/Boats)	FR	505B
506	ANC*	Unanchoring (Mobile Home/Boats)	FR	506A
506	ANC*	Anchoring (Mobile Home/Boats)	FR	506B
507	SKT*	Unskirting (Mobile Home/Boats)	FR	507A
507	SKT*	Skirting (Mobile Home/Boats)	FR	507B
508	EXZ*	Expando - remove (Mobile Home/Boats)	FR	508A
508	EXZ*	Expando - install (Mobile Home/Boats)	FR	508B
509	DBL*	Double wide - separate (Mobile Home/Boats)	FR	509A
509	DBL*	Double wide - reassemble (Mobile Home/Boats)	FR	509B
511	ARC*	Air conditioner - disconnect (Mobile Home/Boats)	FR	511A
511	ARC*	Air conditioner - connect (Mobile Home/Boats)	FR	511B
600	EAX*	Extra Axles (Mobile Home/Boats)	EA	600A
601	LAA	Labor charge (Mobile Home/Boats)	TH	601A
602	WTG	Waiting (Mobile Home/Boats)	TH	602A
603	TTU*	Tire - repair (Mobile Home/Boats)	EA	603A
603	TTU*	Tire - replace (Mobile Home/Boats)	EA	603B
604	STR	Storage-in-transit (Mobile Home/Boats)	TD	604A
700	335	Increased valuation (Mobile Home/Boats)	RV	700A
701	INS	Act of God insurance (Mobile Home/Boats)	RV	701A

Accessorial Services for Personal Property Shipments (International)

DoD Code	L108 Value	DoD Definition	L003 Value	L103 Value	L112 Value
501	AUX*	Auxiliary service - vehicle hours	TH		501A
501	AUX*	Auxiliary service - labor - regular	TH		501B
501	AUX*	Auxiliary service - labor - overtime	TH		501C
501	AUX*	Auxiliary service - Sunday/holiday-Alaska only	TH		501D
502	LAA	Labor - regular	TH		502A
502	LAA	Labor - overtime	TH		502B
502	LAA	Labor - Sunday/holiday - Alaska only	TH		502C
503	WTG	Waiting time- vehicle hours	TH		503A
503	WTG	Waiting time- labor - regular	TH		503B
503	WTG	Waiting time- labor - overtime	TH		503C
503	WTG	Waiting time- labor - Sunday/holiday- Alaska only	TH		503D
504	OAC	Overtime loading/unloading - HHG shipments	LC		504A
504	OAC	Overtime loading/unloading - UB shipments	FR		504B
505	WTV	Reweigh - household goods	FR		505A
506	WTV	Reweigh - UB	FR		506A
507	UPK*	Unpacking - UB - barrel, dish-pack, drum, 5 cu. ft. and over	EA		507A
507	UPK*	Unpacking - UB - boxes between 5-8 cu. ft.	EA		507B
507	UPK*	Unpacking - UB - boxes, over 8 cu. ft.	CF		507C
507	UPK*	Unpacking - UB - boxes, under 5 cu. ft.	EA		507D
507	UPK*	Unpacking - UB - cartons between 6-8 cu. ft.	EA		507E
507	UPK*	Unpacking - UB - cartons, over 8 cu. ft.	CF		507F
507	UPK*	Unpacking - UB - cartons - between 4-6 cu. ft.	EA		507G
507	UPK*	Unpacking - UB - cartons - under 4 cu. ft.	EA		507H
507	UPK*	Unpacking - UB - containers or crates - fragile articles	CF		507I
507	UPK*	Unpacking - UB - containers or crates - external	CF		507K
508	SCD*	Special containers/crates - internal	CF		508B
508	SCD*	Special containers/crates - external	CF		508C
508	SCD*	Member containers/crates - labor - regular	TH		508D
508	SCD*	Member containers/crates - labor - overtime	TH		508E
508	SCD*	Member containers/crates - labor - Sunday/holiday-Alaska only	TH		508F
509	PUD	Extra pickup - HHG	LC		509A
509	PUD	Extra pickup - UB	FR		509B
509	PUD	Extra delivery - HHG	LC		509C
509	PUD	Extra delivery - UB	FR		509D

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509	PUD	Extra pickup/delivery - labor - regular	TH	509E
509	PUD	Extra pickup/delivery - labor - overtime	TH	509F
509	PUD	Extra pickup/delivery - labor - Sunday/holiday - Alaska only	TH	509G
510	RCL	Attempted delivery - pickup/delivery from SIT-HHG	LC	510A
510	RCL	Attempted delivery - pickup/delivery from SIT - UB	LC	510B
510	RCL	Attempted delivery - PU/DEL from SIT - outer islands of Hawaii	LC	510E
510	RCL	Attempted delivery - warehouse handling - HHG	LC	510F
510	RCL	Attempted delivery - warehouse handling - UB	LC	510G
510	RCL	Attempted delivery - waiting time - vehicle hours	LC	510I
510	RCL	Attempted delivery - labor - regular	TH	510J
510	RCL	Attempted delivery - labor - overtime	TH	510K
510	RCL	Attempted delivery - labor - Sunday/holiday - Alaska only	TH	510L
511	650	Attempted pickup - vehicle hours	TH	511A
511	650	Attempted pickup - labor - regular	TH	511B
511	650	Attempted pickup - labor - overtime	TH	511C
511	650	Attempted pickup - labor - Sunday/holiday - Alaska only	TH	511D
511	650	Attempted pickup - waiting time	LW	511E
514	GOC*	Use of Government-owned containers - reduction charge	NR	514A
514	GOC*	Use of Government-owned containers - aux. service charge-vehicle hrs	TH	514B
514	GOC*	Use of Government-owned containers - aux. service labor - regular	TH	514C
514	GOC*	Use of Government-owned containers - aux. service labor - overtime	TH	514D
514	GOC*	Use of Gov-owned containers-aux. serv. labor-Sun/holiday-Alaska only	TH	514E
517	HHG	Pickup or delivery - Florida Keys	LC	517A
518	STR	Storage-in-transit - each additional day - CONUS	EA	518A
518	STR	Storage-in-transit - first day - CONUS	LC	518B
518	STR	Storage-in-transit - 30 day periods - outside CONUS	EA	518C
518	STR	Warehouse handling charge	LC	518D
519	STR	Storage-in-transit - UB - each 15 days	LC	519A
519	STR	Warehouse handling - UB	LC	519C
520	PDS*	Storage-in-transit - pickup or delivery charges - HHG	LC	520A
520	PDS*	Storage-in-transit - overtime loading and unloading	LC	520C
521	PDS*	Storage-in-transit - pickup or delivery charges - UB	LC	521A
521	PDS*	Storage-in-transit - administrative fee	FR	521C
521	PDS*	Storage-in-transit - PU/DEL - outer islands of Hawaii	LC	521D
522	TRM*	Termination charge - HHG	EA	522A
523	TRM*	Termination charge - UB	EA	523A
526	DIC	Diversion charge	FR	526A

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526	DIC	Diversion - port/warehouse handling	LC	526B
526	DIC	Diversion - storage	LC	526C
527	HHG	Pickup - split code T/5	EA	527A
527	HHG	Delivery - split code T/5	EA	527B
531	WRC	Partial delivery weighing	FR	531A
532	ITV	Intransit invisibility service	EA	532A
533	HHG	Shipment charge - Portugal	FR	533A
534	SEE*	Excess distance carry	EA	534A

Third Party or Miscellaneous Services

DoD Code	L108 Value	DoD Definition	L112 Value
-	TPS*	Third Party/Miscellaneous Service	Description

Linehaul Service

DoD Code	L108 Value	DoD Definition	L112 Value
-	LHS*	Linehaul service	Description (optional)

Surcharges

DoD Code	L108 Value	DoD Definition	L112 Value
-	100	Air surcharge	-
-	405	Fuel surcharge	-
-	BSC	Bunker surcharge	-
-	CON	Port Congestion surcharge	-
-	WAR	War Risk surcharge	-

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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 a transportation invoice using the ASC X12.55 Transaction Set 859 Generic Freight Invoice (003020).

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Electronic Data Interchange; EDI; DoD EDI Convention; Electronic Commerce; ANSI X12; X12; electronic standards; electronic business standards; computer-to-computer exchange of data; electronic documents; electronic records; paperless environment; conventions; electronic invoice; freight invoice

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