



**ASC X12 Release 4010**

**300  
Booking Request (Ocean)**

**Message Implementation Guide**

**Version 1.0.1**

## Change history

Version	Date	Comments
1.0.0	28-Jul-2017	Initial version
1.0.1	22-Feb-2022	Adding "FB" as "Forwarder Reference" in N901.128

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## 1 Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with Hamburg Süd for the purpose of submitting booking requests to Hamburg Süd via ASC X12 300 Release 4010.

The following chapters provide information regarding General Conventions and Message Specifications.

## 2 General Information

### 2.1 Terminology

Within this manual specific terminology will be used that you may not be familiar with. In order to give you some guidance, please find below the most important EDI terms and their according definitions.

#### **Directory**

An EDI directory is published three times a year and versioned. The version number is a four digit numeric code that is incremented by each release. The specifications within this manual conform to the directory approved by the ASC X12 Board in October 1997 the directory code of X12-4010.

Each directory contains sub-directories for messages, segments, composites and data elements, all of which may change with directory versions. However, since a directory version is permanent, there is no need to update computer applications when specific directory has been adopted.

#### **Interchange**

An interchange is a group of messages that are sent in one transmission. This means that it is possible to have more than one message within an interchange.

#### **Message**

A message can be described as a business transaction. Therefore, where appropriate, a message is often referred to as a transaction rather than a message. A transaction could be a new entry, a new line, a change to a line, a cancellation of line etc.

A full list of messages can be retrieved from a sub-directory within all directory versions, called the message directory. Each message has its own description and structure, which may differ by directory version.

#### **Segment**

A segment is uniquely identified by a three character mnemonic tag, which is used as a reference to a common group of business information. Usually this defines one segment contains one item of business data (i.e. field or attribute). For example Place of Origin, Port of Loading, Port of Discharge are all locations. The segment used for location is called R4. There are, however, segments that include more than one item of business data. For example Transport Mode, Voyage Number and Vessel are all classified as transport details included in the respective segment.

Whilst a message has a standard structure of segments, there is also a separate subdirectory for segments within directory versions, known as the segment directory. Each segment has its own description and structure, which may differ by directory version.

### **Service Segment**

A service segment is a segment that contains non-business related data. These segments usually include interchanges and messages, in the form of headers and trailers. For example ISA and GS are typical service segments.

### **Segment Group**

A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would typically include a segment for the voyage (using Q2), reference (using N9) and the locations (using R4).

### **Composite Element**

A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires additional information. Each composite element has a unique code identifying it. A composite element could be used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance.

Whilst a segment has a standard structure, there is also a separate subdirectory for composite elements within directory versions, known as the composite data element directory. Each composite element has its own description and structure, which may differ within directory version.

### **Data Element**

A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.

There is also a separate sub-directory for data elements within directory versions, known as the data element directory. Like many other sub-directories, the data element sub-directory contains descriptions and other information. In addition, some data elements also have associated code lists, which are published by organizations such as the International Standards Organization (ISO), or the United Nations. However, it is often possible for trading partners to use their own code list.

## **2.2 Processing Guidelines**

Hamburg Süd prefers to receive booking requests via 300 messages from the customer. A single message should contain only one booking request.

EDI communication depends on Trading Partnership and will be mutually defined within a separate agreement. Common protocols for the transmission of messages are e.g. FTP or SFTP.

## 2.3 Status Indicators and Usage Indicators

### Status Indicators

Status Indicators (“M” and “C”) form part of the ANSI X12 standard and indicate a minimum requirement to fulfill the needs of the message structure. They are not adequate for implementation purposes.

The Status Indicators are:

<u>Value</u>	<u>Description</u>
M	Mandatory The entity marked as such must appear in all messages, and apply to these messages as well as to any associated implementation guidelines (and consequently is also a Usage Indicator).
C	Conditional The entity is used by agreement between trading partners

### Usage Indicators

Usage Indicators are implementation–related indicators that further detail the use of “Conditional” Status Indicators. Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

<u>Value</u>	<u>Description</u>
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
R	Required Indicates the item must be transmitted in this implementation.
D	Dependent Indicates that the use of the item is depending on a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
O	Optional Indicates that this item is at the need or discretion of both trading partners.
X	Not Used Indicates that this item is not used in this implementation. If present, it will be disregarded.
NA	Not Recommended (Advised) Indicates the item needn’t be transmitted in this implementation.
A	Advised Indicates the item must be recommended to be transmitted in this implementation.

Where an item within a segment group, segment or composite data element is marked with Usage Indicators “M” or “R”, but the segment group, segment or composite data element has been marked “O” or “D” (or for that matter “X”), the item is only to be transmitted when the segment group, segment or composite of which it is a part, is used.

### Format

The format is used to describe the official format requirements within ASC X12-4010 directory.

### Examples

a3            3 alphabetic characters, fixed length

n6	6 numeric characters, fixed length
an5	5 alphanumeric characters, fixed length
a..6	up to 6 alphabetic characters
an..35	up to 35 alphanumeric characters
n..6	up to 6 numeric characters



### 3 ANSI X12 300 segment table of contents

Functional Group ID=RO

#### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Reservation (Booking Request) (Ocean) Transaction Set (300) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a shipper or a forwarder to reserve space, containers and equipment for transport by ocean vessel.

#### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	0003	ISA	Interchange Control Header	O	1		
	0006	GS	Functional Group Header	O	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
	0250	G61	Contact	O	3		
X	0300	Y6	Authentication	O	2		
X	0400	Y7	Priority	O	1		
M	0500	Y1	Space Reservation Request	M	1		
						LOOP ID - Y2	10
	0600	Y2	Container Details	O	1		
	0650	W09	Equipment and Temperature	O	1		
	0690	N9	Reference Identification	O	100		
X	0700	R2A	Route Information with Preference	O	25		
						LOOP ID - N1	10
M	0800	N1	Name	M	1		
	0900	N2	Additional Name Information	O	1		
	1000	N3	Address Information	O	2		
	1100	N4	Geographic Location	O	1		
	1200	G61	Contact	O	3		
						LOOP ID - R4	20
M	1300	R4	Port or Terminal	M	1		
X	1400	DTM	Date/Time Reference	O	15		
	1500	W09	Equipment and Temperature	O	1		
X	1600	H3	Special Handling Instructions	O	6		
	1700	EA	Equipment Attributes	O	5		

#### Detail:

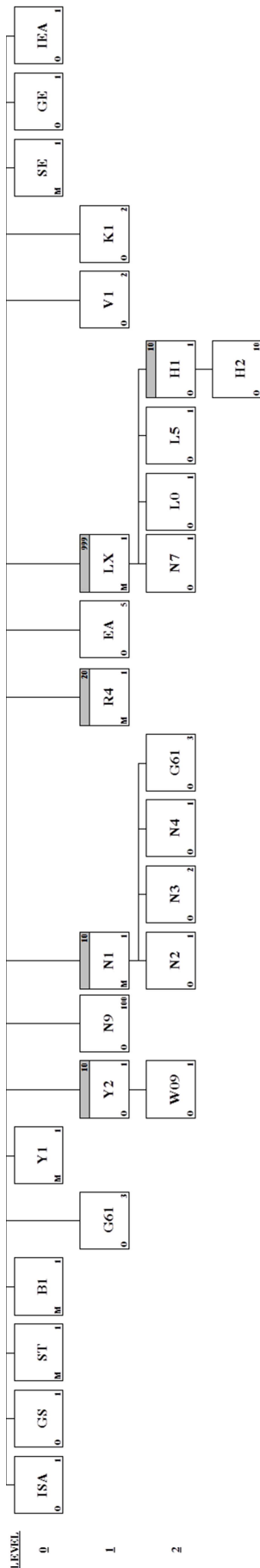
	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - LX	999
M	0100	LX	Assigned Number	M	1		
	0200	N7	Equipment Details	O	1		

X	0210	W09	Equipment and Temperature	O	1
X	0300	DTM	Date/Time Reference	O	1
	0400	L0	Line Item - Quantity and Weight	O	1
	0500	L5	Description, Marks and Numbers	O	1
X	0600	L4	Measurement	O	1
X	0650	L1	Rate and Charges	O	1
LOOP ID - H1					10
	0700	H1	Hazardous Material	O	1
	0800	H2	Additional Hazardous Material Description	O	10
LOOP ID - LH1					100
X	0810	LH1	Hazardous Identification Information	O	1
X	0820	LH2	Hazardous Classification Information	O	4
X	0830	LH3	Hazardous Material Shipping Name	O	10
X	0840	LFH	Freeform Hazardous Material Information	O	25
X	0850	LEP	EPA Required Data	O	3
X	0860	LH4	Canadian Dangerous Requirements	O	1
X	0870	LHT	Transborder Hazardous Requirements	O	3
X	0880	LHR	Hazardous Material Identifying Reference Numbers	O	5
X	0890	PER	Administrative Communications Contact	O	5
	0900	V1	Vessel Identification	O	2
X	1000	V9	Event Detail	O	10
	1100	K1	Remarks	O	2

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	SE	Transaction Set Trailer	M	1		
	0110	GE	Functional Group Trailer	O	1		
	0120	IEA	Interchange Control Trailer	O	1		

## 4 Branch Diagram



## 5 Segment Description

**Segment:** ISA Interchange Control Header  
**Position:** 0003  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

**Comments:**

**Notes:** Example Syntax

```
ISA*00*      *00*      *ZZ*PARTNERID  *ZZ*HAMSUD
*160526*2245*U*00401*053849086*0*P*>~
```

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	ISA01	I01	<b>Authorization Information Qualifier</b> Code identifying the type of information in the Authorization Information Supported values: 00 No Authorization Information Present (No Meaningful Information in I02)	M 1 ID 2/2
M	ISA02	I02	<b>Authorization Information</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M 1 AN 10/10
M	ISA03	I03	<b>Security Information Qualifier</b> Code identifying the type of information in the Security Information Supported values: 00 No Security Information Present (No Meaningful Information in I04)	M 1 ID 2/2
M	ISA04	I04	<b>Security Information</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M 1 AN 10/10
M	ISA05	I05	<b>Interchange ID Qualifier</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Supported values: ZZ Mutually Defined	M 1 ID 2/2
M	ISA06	I06	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M 1 AN 15/15
M	ISA07	I05	<b>Interchange ID Qualifier</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Supported values: ZZ Mutually Defined	M 1 ID 2/2
M	ISA08	I07	<b>Interchange Receiver ID</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending	M 1 AN 15/15

M	ISA09	I08	to them will use this as a receiving ID to route data to them <b>Interchange Date</b> Date of the interchange Format YYMMDD Example: 160526 (26th May 2016)	M	1	DT 6/6
M	ISA10	I09	<b>Interchange Time</b> Time of the interchange Format HHMM Example: 2245 (10:45 pm)	M	1	TM 4/4
M	ISA11	I65	<b>Repetition Separator</b> Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator	M	1	AN 1/1
M	ISA12	I11	<b>Interchange Control Version Number</b> Code specifying the version number of the interchange control segments Supported values: 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	1	ID 5/5
M	ISA13	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M	1	NO 9/9
M	ISA14	I13	<b>Acknowledgment Requested</b> Code indicating sender's request for an interchange acknowledgment Supported values: 0 No Acknowledgment Requested	M	1	ID 1/1
M	ISA15	I14	<b>Usage Indicator</b> Code indicating whether data enclosed by this interchange envelope is test, production or information Supported values: P Production Data T Test Data	M	1	ID 1/1
M	ISA16	I15	<b>Component Element Separator</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M	1	AN 1/1

**Segment:** **GS Functional Group Header**  
**Position:** 0006  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a functional group and to provide control information  
**Comments:** **1** 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.

**Notes:** Example Syntax

GS\*RO\*SENDER ID\*HAMSUD\*20160526\*2245\*1000\*X\*004010~

#### Data Element Summary

Ref.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	GS01	479	<b>Functional Identifier Code</b>	M 1 ID 2/2
			Code identifying a group of application related transaction sets	
			Supported values:	
			RO Ocean Booking Information (300, 301, 303)	
M	GS02	142	<b>Application Sender's Code</b>	M 1 AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
M	GS03	124	<b>Application Receiver's Code</b>	M 1 AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners	
M	GS04	373	<b>Date</b>	M 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
			Example: 20160526 (26th May 2016)	
M	GS05	337	<b>Time</b>	M 1 TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			Example: 224529 (10:45:29 pm)	
M	GS06	28	<b>Group Control Number</b>	M 1 NO 1/9
			Assigned number originated and maintained by the sender	
M	GS07	455	<b>Responsible Agency Code</b>	M 1 ID 1/2
			Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480	
			Supported values:	
			X Accredited Standards Committee X12	
M	GS08	480	<b>Version / Release / Industry Identifier Code</b>	M 1 AN 1/12
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed	
			Supported values:	



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**Segment:** **ST Transaction Set Header**  
**Position:** 0100  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Comments:**  
**Notes:**

Example Syntax

ST\*300\*0001~

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M 1 ID 3/3
			Supported values:	
			300 Reservation (Booking Request) (Ocean)	
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9
X	ST03	1705	<b>Implementation Convention Reference</b>	O 1 AN 1/35



**Segment:** **B1 Beginning Segment for Booking or Pick-up/Delivery**  
**Position:** 0200  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	B101	140	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
M	B102	145	<b>Shipment Identification Number</b> 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)	M 1 AN 1/30
	B103	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	B104	558	<b>Reservation Action Code</b> Code identifying action on reservation or offering Used values: N for new, R for deletion, U for update Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	B105	1073	<b>Yes/No Condition or Response Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	B106	1658	<b>Shipment or Work Assignment Decline Reason Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 3/3

**Segment:** **G61 Contact**  
**Position:** 0250  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom communications should be directed  
**Comments:** 1 G6103 qualifies G6104.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	G6102	93	<b>Name</b> Free-form name	M 1 AN 1/60
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
X	G6105	443	<b>Contact Inquiry Reference</b>	O 1 AN 1/20

**Segment:** Y1 Space Reservation Request  
**Position:** 0500  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify information used to make a reservation for space on an ocean vessel  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
X	Y101	135	Sailing/Flight Date Estimated	O 1 DT 8/8
X	Y102	373	Date	X 1 DT 8/8
X	Y103	140	Standard Carrier Alpha Code	O 1 ID 2/4
	Y104	91	Transportation Method/Type Code	O 1 ID 1/2
			Code specifying the method or type of transportation for the shipment	
			HSDG supported value:	
			- "O" (containerized ocean/ FCL)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	Y105	98	Entity Identifier Code	O 1 ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	Y106	19	City Name	O 1 AN 2/30
X	Y107	156	State or Province Code	O 1 ID 2/2
	Y108	375	Tariff Service Code	O 1 ID 2/2
			Code specifying the types of services for rating purposes	
			used values:	
			PP for port to port	
			DD for door to door	
			PD for port to door	
			DP for door to port	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	Y109	374	Date/Time Qualifier	X 1 ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** Y2 Container Details  
**Position:** 0600  
**Loop:** Y2 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify container information and transportation service to be used  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	Y201	95	<b>Number of Containers</b> Number of shipping containers	M 1 NO 1/4
X	Y202	78	<b>Container Type Request Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	Y203	56	<b>Type of Service Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
M	Y204	24	<b>Equipment Type</b> Code identifying equipment type	M 1 ID 4/4
X	Y205	91	<b>Transportation Method/Type Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X	Y206	177	<b>Intermodal Service Code</b>	O 1 ID 1/2
X	Y207	140	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
X	Y208	464	<b>Container Terms Code</b>	O 1 ID 3/3
X	Y209	465	<b>Container Terms Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	Y210	466	<b>Total Stop-offs</b>	O 1 NO 1/2

**Segment:** **W09** Equipment and Temperature  
**Position:** 0650  
**Loop:** Y2 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To relate equipment type and required temperatures  
**Comments:**

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment HSDG supports "CZ" refrigerated only. Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	W0902	408	<b>Temperature</b> Temperature HSDG uses this as required temperature setting.	X 1 R 1/4
	W0903	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken HSDG supports "CE" and "FA" only. Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
X	W0904	408	<b>Temperature</b>	X 1 R 1/4
X	W0905	355	<b>Unit or Basis for Measurement Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
X	W0906	3	<b>Free Form Message</b>	O 1 AN 1/60
	W0907	1122	<b>Vent Setting Code</b> Code describing the setting on the air vents on ocean-type containers HSDG supports "D" and "E" only. Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	W0908	488	<b>Percent</b>	O 1 NO 1/3
	W0909	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15

**Segment:** N9 Reference Identification  
**Position:** 0690  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

**Comments:**

**Notes:** Example Syntax

N9\*BN\*6PHLSA1234~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Supported values: BN Booking Number FB Forwarder Reference PO Purchase Order Number SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
X	N903	369	<b>Free-form Description</b>	X 1 AN 1/45
X	N904	373	<b>Date</b>	O 1 DT 8/8
X	N905	337	<b>Time</b>	X 1 TM 4/8
X	N906	623	<b>Time Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
X	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3

<b>X</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **N1 Name**  
**Position:** 0800  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Comments:**

- 1 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.
- 2 N105 and N106 further define the type of entity in N101.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual HSDG supports "SH", "FW", "CN" Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	N102	93	<b>Name</b> Free-form name	X 1 AN 1/60
X	N103	66	<b>Identification Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
X	N104	67	<b>Identification Code</b>	X 1 AN 2/80
X	N105	706	<b>Entity Relationship Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	N106	98	<b>Entity Identifier Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3



**Segment:** N2 Additional Name Information  
**Position:** 0900  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M 1 AN 1/60
	N202	93	Name Free-form name	O 1 AN 1/60

**Segment:** **N3 Address Information**  
**Position:** 1000  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	<b>Address Information</b> Address information	M 1 AN 1/55
	N302	166	<b>Address Information</b> Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 1100  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Comments:**

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	N401	19	City Name	O 1 AN 2/30
	N402	156	State or Province Code	X 1 ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
	N403	116	Postal Code	O 1 ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
	N404	26	Country Code	X 1 ID 2/3
			Code identifying the country	
X	N405	309	Location Qualifier	X 1 ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N406	310	Location Identifier	O 1 AN 1/30
X	N407	1715	Country Subdivision Code	X 1 ID 1/3

**Segment:** **G61 Contact**  
**Position:** 1200  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom communications should be directed  
**Comments:** 1 G6103 qualifies G6104.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named HSDG supports "IC" and "EM". Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	G6102	93	<b>Name</b> Free-form name	M 1 AN 1/60
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
X	G6105	443	<b>Contact Inquiry Reference</b>	O 1 AN 1/20

**Segment:** **R4 Port or Terminal**  
**Position:** 1300  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Contractual or operational port or point relevant to the movement of the cargo  
**Comments:** 1 R4 is required for each port to be identified.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	<b>Port or Terminal Function Code</b> Code defining function performed at the port or terminal with respect to a shipment used values: R for Place of Receipt L for Port of Loading D for Port of Discharge E for Place of Delivery Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 1/1
	R402	309	<b>Location Qualifier</b> Code identifying type of location HSDG supports: D - Schedule D K - Schedule K UN - UN location code Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	R403	310	<b>Location Identifier</b> Code which identifies a specific location	X 1 AN 1/30
	R404	114	<b>Port Name</b> Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	O 1 AN 2/24
	R405	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
X	R406	174	<b>Terminal Name</b>	O 1 AN 2/30
X	R407	113	<b>Pier Number</b>	O 1 AN 1/4
	R408	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O 1 ID 2/2

**Segment:** **EA Equipment Attributes**  
**Position:** 1700  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify attributes required for a piece of equipment  
**Comments:** 1 When EA01 is "PCO", "PSE", "DHT", "DWI", "YEA" or "MCP", EA02 and EA03 are required.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	EA01	1402	<b>Equipment Attribute Code</b> Code specifying attributes of a piece of equipment HSDG supports "GEN" only for "Genset is required" Refer to 004010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
X	EA02	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	X 1
X	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
X	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15

X	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
X	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
X	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
X	EA03	380	<b>Quantity</b>	X	1 R 1/15

**Segment:** **LX Assigned Number**  
**Position:** 0100  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Comments:**

**Data Element Summary**

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



**Segment:** N7 Equipment Details  
**Position:** 0200  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Comments:**  
 1 N701 is mandatory for rail transactions.  
 2 N720 and N721 are expressed in inches.

## Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N701	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	O 1 AN 1/4
M	N702	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M 1 AN 1/10
	N703	<b>Weight</b> Numeric value of weight	X 1 R 1/10
X	N704	<b>Weight Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
X	N705	<b>Tare Weight</b>	X 1 N0 3/8
X	N706	<b>Weight Allowance</b>	O 1 N0 2/6
X	N707	<b>Dunnage</b>	O 1 N0 1/6
	N708	<b>Volume</b> Value of volumetric measure	X 1 R 1/8
	N709	<b>Volume Unit Qualifier</b> Code identifying the volume unit HSDG supports "E" and "X". Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
X	N710	<b>Ownership Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	N711	<b>Equipment Description Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	N712	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
X	N713	<b>Temperature Control</b>	O 1 AN 3/6
X	N714	<b>Position</b>	O 1 AN 1/3
X	N715	<b>Equipment Length</b>	O 1 N0 4/5
X	N716	<b>Tare Qualifier Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
	N717	<b>Weight Unit Code</b> Code specifying the weight unit HSDG supports "K" and "L". Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	N718	<b>Equipment Number Check Digit</b>	O 1 N0 1/1
X	N719	<b>Type of Service Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	N720	<b>Height</b>	O 1 R 1/8
X	N721	<b>Width</b>	O 1 R 1/8
X	N722	<b>Equipment Type</b>	O 1 ID 4/4
X	N723	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4



**X**            **N724**        **301**    **Car Type Code**

**O**    **1** **ID 1/4**

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 0400  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data  
**Comments:** 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
X	L001	213 <b>Lading Line Item Number</b>	O 1 N0 1/3
X	L002	220 <b>Billed/Rated-as Quantity</b>	X 1 R 1/11
X	L003	221 <b>Billed/Rated-as Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	L004	81 <b>Weight</b> Numeric value of weight	X 1 R 1/10
	L005	187 <b>Weight Qualifier</b> Code defining the type of weight HSDG supports "G" only. Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
X	L006	183 <b>Volume</b>	X 1 R 1/8
X	L007	184 <b>Volume Unit Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
	L008	80 <b>Lading Quantity</b> Number of units (pieces) of the lading commodity	X 1 N0 1/7
	L009	211 <b>Packaging Form Code</b> Code for packaging form of the lading quantity Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 3/3
X	L010	458 <b>Dunnage Description</b>	O 1 AN 2/25
	L011	188 <b>Weight Unit Code</b> Code specifying the weight unit HSDG supports "K" and "L". Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	L012	56 <b>Type of Service Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	L013	380 <b>Quantity</b>	X 1 R 1/15
X	L014	211 <b>Packaging Form Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
X	L015	1073 <b>Yes/No Condition or Response Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1

**Segment:** L5 Description, Marks and Numbers  
**Position:** 0500  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers  
**Comments:** 1 L502 may be used to send quantity information as part of the product description.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
L501	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O 1 N0 1/3
L502	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	O 1 AN 1/50
L503	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X 1 AN 1/30
X	L504	<b>Commodity Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
X	L505	<b>Packaging Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 AN 3/5
X	L506	<b>Marks and Numbers</b>	X 1 AN 1/48
X	L507	<b>Marks and Numbers Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X	L508	<b>Commodity Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
X	L509	<b>Commodity Code</b>	X 1 AN 1/30
X	L510	<b>Compartment ID Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**Segment:** **H1 Hazardous Material**  
**Position:** 0700  
**Loop:** H1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information relative to hazardous material  
**Comments:** 1 This segment is required when the shipment contains hazardous material.  
 2 H107 is the lowest temperature for hazardous materials.

#### Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	H101	62	<b>Hazardous Material Code</b> Code relating to hazardous material code qualifier for regulated hazardous materials	M	1 AN 4/10
	H102	209	<b>Hazardous Material Class Code</b> Code specifying the kind of hazard for a material	O	1 AN 1/4
X	H103	208	<b>Hazardous Material Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	O	1 ID 1/1
	H104	64	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any	O	1 AN 2/30
	H105	63	<b>Hazardous Material Contact</b> Phone number and name of person or department to contact in case of emergency	O	1 AN 1/24
	H106	200	<b>Hazardous Materials Page</b> The United Nations page number as required for the international transport of hazardous materials	O	1 AN 1/6
	H107	77	<b>Flashpoint Temperature</b> The flashpoint temperature for hazardous material	X	1 N 1/3
	H108	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
	H109	254	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III	O	1 ID 1/3

**Segment:** H2 Additional Hazardous Material Description  
**Position:** 0800  
**Loop:** H1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	H201	64	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any	M 1 AN 2/30
	H202	274	<b>Hazardous Material Classification</b> Free-form description of hazardous material classification or division or label requirements	O 1 AN 1/30

**Segment:** **V1 Vessel Identification**  
**Position:** 0900  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To provide vessel details and voyage number  
**Comments:**

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
	<b>V101</b>	<b>597 Vessel Code</b> Code identifying vessel	<b>X 1 ID 1/8</b>
	<b>V102</b>	<b>182 Vessel Name</b> Name of ship as documented in "Lloyd's Register of Ships"	<b>X 1 AN 2/28</b>
<b>X</b>	<b>V103</b>	<b>26 Country Code</b>	<b>O 1 ID 2/3</b>
	<b>V104</b>	<b>55 Flight/Voyage Number</b> Identifying designator for the particular flight or voyage on which the cargo travels	<b>O 1 AN 2/10</b>
<b>X</b>	<b>V105</b>	<b>140 Standard Carrier Alpha Code</b>	<b>O 1 ID 2/4</b>
<b>X</b>	<b>V106</b>	<b>249 Vessel Requirement Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
<b>X</b>	<b>V107</b>	<b>854 Vessel Type Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 2/2</b>
<b>X</b>	<b>V108</b>	<b>897 Vessel Code Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
<b>X</b>	<b>V109</b>	<b>91 Transportation Method/Type Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/2</b>

**Segment:** **K1** Remarks  
**Position:** 1100  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	K101	61	<b>Free-Form Message</b> Free-form information	M 1 AN 1/30
	K102	61	<b>Free-Form Message</b> Free-form information	O 1 AN 1/30



**Segment:** **SE Transaction Set Trailer**  
**Position:** 0100  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Comments:** 1 SE is the last segment of each transaction set.  
**Notes:** Example Syntax  
 SE\*17\*0001~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M 1 NO 1/10
M	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

**Segment:** **GE Functional Group Trailer**  
**Position:** 0110  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Comments:** 1 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.

**Notes:** Example Syntax  
 GE\*1\*1000~

**Data Element Summary**

Ref.	Data				Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	GE01	97	<b>Number of Transaction Sets Included</b>		M 1 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		
M	GE02	28	<b>Group Control Number</b>		M 1 NO 1/9
			Assigned number originated and maintained by the sender		

**Segment:** **IEA Interchange Control Trailer****Position:** 0120**Loop:****Level:** Summary**Usage:** Optional**Max Use:** 1**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments**Comments:****Notes:** Example Syntax

IEA\*1\*053849086~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange	M 1 N0 1/5
M	IEA02	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M 1 N0 9/9