

304 Shipping Instructions for Customers

Version: 6.0

Company: CargoSmart Limited

Table of Contents

304	Shipping Instructions	1
ISA	Interchange Control Header	8
GS	Functional Group Header	11
ST	Transaction Set Header	13
B2	Beginning Segment for Shipment Information Transaction	14
B2A	Set Purpose	16
N9	Reference Identification	17
V1	Vessel Identification	19
N1	Loop Name	21
N1	Name	22
N2	Additional Name Information	24
N3	Address Information	25
N4	Geographic Location	26
G61	Contact	27
R4	Loop Port or Terminal	28
R4	Port or Terminal	29
R2	Route Information	31
K1	Remarks	33
C8	Loop Certifications and Clauses	34
C8	Certifications and Clauses	35
C8C	Certifications Clauses Continuation	36
LX	Loop Assigned Number	37
LX	Assigned Number	38
Y2	Container Details	39
N7	Loop Equipment Details	40
N7	Equipment Details	41
M7	Seal Numbers	44
W09	Equipment and Temperature	45
H1	Loop Hazardous Material	47
H1	Hazardous Material	48
H2	Additional Hazardous Material Description	50
L0	Loop Line Item - Quantity and Weight	51
L0	Line Item - Quantity and Weight	52
L4	Measurement	57
L5	Description, Marks and Numbers	58
H1	Loop Hazardous Material	60
H1	Hazardous Material	61
H2	Additional Hazardous Material Description	63
L3	Loop Total Weight and Charges	64

PWK Paperwork	65
K1 Remarks	67
SE Transaction Set Trailer	68
GE Functional Group Trailer	69
IEA Interchange Control Trailer	70

304 Shipping Instructions

Functional Group=SO

Purpose: This Draft Standard for Trial Use provides the format and establishes the data contents of the Shipment Instructions Transaction Set (304) for use within the context of an Electronic Data Interchange (EDI) environment. When this transaction set is transmitted to an ocean carrier, it provides all the information necessary to prepare and distribute a contract of carriage such as an ocean bill of lading, sea waybill, and other shipping documents. When this transaction set is transmitted to a freight forwarder or customs broker, it provides for the transmission of shipping and financial information required by the forwarder or customs broker to move cargo and provide the services requested.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	ISA	Interchange Control Header	M	1			Must use	8
	GS	Functional Group Header	M	1			Must use	11

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
010	ST	Transaction Set Header	M	1			Must use	13
020	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use	14
030	B2A	Set Purpose	M	1			Must use	16
* 040	Y6	Authentication	O	2			Not Used	N/A
* 050	G1	Shipment Type Information	O	1			Not Used	N/A
* 060	G2	Beyond Routing	O	1			Not Used	N/A
* 070	G3	Compensation Information	O	1			Not Used	N/A
080	N9	Reference Identification	O	100			Used	17
* 085	YNQ	Yes/No Question	O	10			Not Used	N/A
090	V1	Vessel Identification	M	2			Must use	19
* 100	V3	Vessel Schedule	O	1			Not Used	N/A
* 110	M0	Letter of Credit Reference	O	1			Not Used	N/A
* 115	CUR	Currency	O	1		N1/115	Not Used	N/A
* LOOP ID - M1					5			N/A
120	M1	Insurance	O	1			Used	N/A
125	CUR	Currency	O	1			Used	N/A
* 130	M2	Sales/Delivery Terms	O	1			Not Used	N/A
* 140	C2	Bank ID	O	1			Not Used	N/A
* 155	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Not Used	N/A
* 156	DTM	Date/Time Reference	O	20			Not Used	N/A
LOOP ID - N1					100			21
160	N1	Name	M	1			Must use	22
170	N2	Additional Name Information	O	2			Used	24
180	N3	Address Information	O	2			Used	25

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
190	N4	Geographic Location	O	1			Used	26
195	G61	Contact	O	3			Used	27
LOOP ID - R4						20		28
200	R4	Port or Terminal	M	1			Must use	29
* 210	DTM	Date/Time Reference	O	15			Not Used	N/A
* 216	R2A	Route Information with Preference	O	25			Not Used	N/A
220	R2	Route Information	O	13			Used	31
230	K1	Remarks	O	12			Used	33
* 240	L11	Business Instructions and Reference Number	O	99			Not Used	N/A
* 250	H3	Special Handling Instructions	O	6			Not Used	N/A
* 260	L5	Description, Marks and Numbers	O	999			Not Used	N/A
* 270	X1	Export License	O	25			Not Used	N/A
* 280	X2	Import License	O	5			Not Used	N/A
LOOP ID - C8						20		34
290	C8	Certifications and Clauses	M	1			Must use	35
295	C8C	Certifications Clauses Continuation	O	5			Used	36
* 300	SUP	Supplementary Information	O	10			Not Used	N/A

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
LOOP ID - LX						999		37
010	LX	Assigned Number	M	1			Not used	38
020	Y2	Container Details	O	10			Used	39
LOOP ID - N7						999		40
030	N7	Equipment Details	M	1			Must use	41
* 035	QTY	Quantity	O	1			Not Used	N/A
* 038	L4	Measurement	O	1			Not Used	N/A
* 040	N12	Equipment Environment	O	1			Not Used	N/A
050	M7	Seal Numbers	O	5			Used	44
* 055	M7A	Seal Number Replacement	O	100			Not Used	N/A
060	W09	Equipment and Temperature	O	1			Used	45
* 062	LH6	Hazardous Certification	O	6			Not Used	N/A
* LOOP ID - L1						20		N/A
070	L1	Rate and Charges	O	1			Used	N/A
080	CUR	Currency	O	1			Used	N/A
* 100	L7	Tariff Reference	O	1			Not Used	N/A
* 110	X1	Export License	O	25			Not Used	N/A
* 120	X2	Import License	O	5			Not Used	N/A
* 130	N9	Reference Identification	O	100			Not Used	N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
LOOP ID - H1						10		47
135	H1	Hazardous Material	M	1			Used	48
137	H2	Additional Hazardous Material Description	O	10			Used	50
* LOOP ID - LH1						100		N/A
140	LH1	Hazardous Identification Information	O	1			Used	N/A
141	LH2	Hazardous Classification Information	O	4		N2/141	Used	N/A
142	LH3	Hazardous Material Shipping Name	O	10			Used	N/A
143	LFH	Freeform Hazardous Material Information	O	25			Used	N/A
144	LEP	EPA Required Data	O	3			Used	N/A
145	LH4	Canadian Dangerous Requirements	O	1			Used	N/A
146	LHT	Transborder Hazardous Requirements	O	3			Used	N/A
147	LHR	Hazardous Material Identifying Reference Numbers	O	5			Used	N/A
148	PER	Administrative Communications Contact	O	5			Used	N/A
* 151	L11	Business Instructions and Reference Number	O	100			Not Used	N/A
* 160	K1	Remarks	O	10			Not Used	N/A
* LOOP ID - PO4						100	<u>N2/162L</u>	N/A
162	PO4	Item Physical Details	O	1		N2/162	Used	N/A
164	MEA	Measurements	O	5			Used	N/A
166	MAN	Marks and Numbers	O	5			Used	N/A
168	N9	Reference Identification	O	5			Used	N/A
LOOP ID - L0						120		51
170	L0	Line Item - Quantity and Weight	M	1			Must use	52
* 171	MEA	Measurements	O	10			Not Used	N/A
* LOOP ID - PO4						100	<u>N2/172L</u>	N/A
172	PO4	Item Physical Details	O	1		N2/172	Used	N/A
173	MEA	Measurements	O	5			Used	N/A
174	MAN	Marks and Numbers	O	5			Used	N/A
175	N9	Reference Identification	O	5			Used	N/A
* 176	QTY	Quantity	O	5		N2/176	Not Used	N/A
177	L4	Measurement	O	1			Used	57
* 178	LH6	Hazardous Certification	O	6			Not Used	N/A
* LOOP ID - PAL						3		N/A
179	PAL	Pallet Information	O	1			Used	N/A
181	QTY	Quantity	O	1			Used	N/A
* LOOP ID - CTP						1		N/A
183	CTP	Pricing Information	O	1			Used	N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
184	CUR	Currency	O	1			Used	N/A
185	L5	Description, Marks and Numbers	M	999			Must use	58
* 187	LIN	Item Identification	O	1			Not Used	N/A
* 190	L12	Alternate Lading Description	O	20			Not Used	N/A
* 195	N9	Reference Identification	O	100			Not Used	N/A
* 197	YNQ	Yes/No Question	O	10			Not Used	N/A
* LOOP ID - L1					20			N/A
200	L1	Rate and Charges	O	1			Used	N/A
210	CUR	Currency	O	1			Used	N/A
* 230	L7	Tariff Reference	O	1			Not Used	N/A
* LOOP ID - SAC					10			N/A
235	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	N/A
236	CUR	Currency	O	1			Used	N/A
* LOOP ID - L9					10			N/A
237	L9	Charge Detail	O	1			Used	N/A
238	CUR	Currency	O	1			Used	N/A
* 240	X1	Export License	O	25			Not Used	N/A
* 250	X2	Import License	O	5			Not Used	N/A
* LOOP ID - C8					20			N/A
260	C8	Certifications and Clauses	O	1			Used	N/A
261	C8C	Certifications Clauses Continuation	O	5			Used	N/A
265	SUP	Supplementary Information	O	10			Used	N/A
LOOP ID - H1					99			60
270	H1	Hazardous Material	M	1			Used	61
280	H2	Additional Hazardous Material Description	O	10			Used	63
* LOOP ID - LH1					1			N/A
290	LH1	Hazardous Identification Information	O	1			Used	N/A
300	LH2	Hazardous Classification Information	O	4		N2/300	Used	N/A
310	LH3	Hazardous Material Shipping Name	O	10			Used	N/A
320	LFH	Freeform Hazardous Material Information	O	25			Used	N/A
330	LEP	EPA Required Data	O	3			Used	N/A
340	LH4	Canadian Dangerous Requirements	O	1			Used	N/A
350	LHT	Transborder Hazardous Requirements	O	3			Used	N/A
360	LHR	Hazardous Material Identifying Reference	O	5			Used	N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
370	PER	Administrative Communications Contact	O	5			Used	N/A
* LOOP ID - N1						10		N/A
* 380	N1	Name	O	1			Not Used	N/A
* 390	N2	Additional Name Information	O	2			Not Used	N/A
* 400	N3	Address Information	O	2			Not Used	N/A
* 410	N4	Geographic Location	O	1			Not Used	N/A
420	G61	Contact	O	3			Used	N/A

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
LOOP ID - L3						1		64
* 010	L3	Total Weight and Charges	M	1			Not Used	N/A
* 011	CUR	Currency	O	1			Not Used	N/A
* 015	MEA	Measurements	O	5			Not Used	N/A
020	PWK	Paperwork	O	50			Used	65
* 025	SUP	Supplementary Information	O	999			Not Used	N/A
* LOOP ID - L1						20		N/A
030	L1	Rate and Charges	O	1			Used	N/A
040	CUR	Currency	O	1			Used	N/A
* LOOP ID - TDS						1		N/A
042	TDS	Total Monetary Value Summary	O	1			Used	N/A
043	CUR	Currency	O	1			Used	N/A
* LOOP ID - SAC						10		N/A
044	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	N/A
045	CUR	Currency	O	1			Used	N/A
* LOOP ID - L9						10		N/A
046	L9	Charge Detail	O	1			Used	N/A
047	CUR	Currency	O	1			Used	N/A
* 048	ISS	Invoice Shipment Summary	O	5			Not Used	N/A
* 050	V9	Event Detail	O	10			Not Used	N/A
060	K1	Remarks	O	999			Used	67
* 070	L11	Business Instructions and Reference Number	O	24			Not Used	N/A
080	SE	Transaction Set Trailer	M	1			Must use	68

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	GE	Functional Group Trailer	M	1			Must use	69

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	IEA	Interchange Control Trailer	M	1			Must use	70

Notes:

- 1/115 The currency specified at this position will be in effect for all monetary values except those accompanied by a currency segment. If any other currency segments are transmitted, they will apply to the loop in which they occur.
- 2/141 If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory; however, the receiver must consider it to be blanks when printing a paper document.
- 2/162L The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 162 is mutually exclusive with the use of the PO4 loop in Table 2 Position 172 in a single iteration of the LX loop.
- 2/162 The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 162 is mutually exclusive with the use of the PO4 loop in Table 2 Position 172 in a single iteration of the LX loop.
- 2/172L The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration of the LX loop.
- 2/172 The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration of the LX loop.
- 2/176 The lading quantity of principal interest to the parties exchanging information is transmitted in the LO segment. The quantity ordered and other pertinent lading quantities are to be transmitted in the QTY segments in the LO loop.
- 2/300 If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory; however, the receiver must consider it to be blanks when printing a paper document.

Revision History:

<i>Version Number</i>	<i>Version Date</i>	<i>Change Description</i>
6.0	25May'10	Extend H1 group to accept up to 99 repetitions.
5.0	05May'09	Removed 'T', add 'E' in N717, L011, to support Metric Ton.
4.0	16Apr'09	Changed R2 to Optional instead of Not Used to contain Traffic Mode.
3.2	16Jun'08	Set H104, H105 and H109 to Mandatory.
2.2	16Mar'07	1. Additional comment for N702 Container Number. 2. Set R402, R403, R404 and R405 to Conditional.
2.1	13Nov'06	1. Changed ISA05 from 'ZZ' to 'YOUR QUALIFIER'. 2. Changed N1 Loop N4 segment from Must Use to Used. 3. Changed N703 and N704 from Must Use to Used.
2.0	16Aug'06	Revised the presentation of IG.
1.8	29Jun'06	1. Corrected L4 and L5 sequence. 2. Added Replace to B2A01.
1.7	20Oct'05	Amendment
1.5	19May'03	1. Moved L4 segment under Cargo Level.

		<ul style="list-style-type: none"> 2. Moved and merged H1 / LH1 groups under Cargo Level. 3. Added elements under segment LH1. 4. Corrected some typo errors of previous version.
1.3.2	16Apr'03	<ul style="list-style-type: none"> 1. Removed LH1 grouping and placed the segment under H1 Group. 2. Enhanced G6102 definition. 3. Enhanced N104 definition.
1.3.1	24Mar'03	Refined contents and revised presentation.
1.0	16Aug'02	Initial Release

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

Code Name

- 00 No Authorization Information Present (No Meaningful Information in I02)
- 01 UCS Communications ID

ISA02	I02	Authorization Information	M	AN	10/10	Must use
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Description: 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)

ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
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Description: Code to identify the type of information in the Security Information

Code Name

- 00 No Security Information Present (No Meaningful Information in I04)

ISA04	I04	Security Information	M	AN	10/10	Must use
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Description: 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)

ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Code Name

- ZZ Mutually Defined

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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Description: 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

Code Name

- YOUR_ID Your Interchange ID

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

		<u>Code</u>	<u>Name</u>				
		01	CargoSmart Qualifier				
ISA08	I07	Interchange Receiver ID		M	AN	15/15	Must use
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them					
		<u>Code</u>	<u>Name</u>				
		CARGOSM	CargoSmart Interchange ID				
		ART					
ISA09	I08	Interchange Date		M	DT	6/6	Must use
		Description: Date of the interchange					
ISA10	I09	Interchange Time		M	TM	4/4	Must use
		Description: Time of the interchange					
ISA11	I10	Interchange Control Standards Identifier		M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer					
		<u>Code</u>	<u>Name</u>				
		U	U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	Interchange Control Version Number		M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments					
		<u>Code</u>	<u>Name</u>				
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number		M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender					
ISA14	I13	Acknowledgment Requested		M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)					
		<u>Code</u>	<u>Name</u>				
		0	No Acknowledgment Requested				
		1	Interchange Acknowledgment Requested				
ISA15	I14	Usage Indicator		M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information					
		<u>Code</u>	<u>Name</u>				
		P	Production Data				
		T	Test Data				
ISA16	I15	Component Element Separator		M		1/1	Must use
		Description: 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					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		separator and the segment terminator				

Sample:

ISA*00* *00* *ZZ*YOUR_ID *01*CARGOSMART *080401*1423*U*00401*000012620*1*P*>~

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		Code Name				
		SO Ocean Shipment Information				
GS02	142	Application Sender's Code	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
		Code Name				
		YOUR_ID Your Functional Group ID				
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
		Description: Code identifying party receiving transmission; codes agreed to by trading partners				
		Code Name				
		CARGOSM CargoSmart Functional Group ID ART				
GS04	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
GS05	337	Time	M	TM	4/8	Must use
		Description: 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)				
GS06	28	Group Control Number	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		Code Name				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
		Description: 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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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				

Code Name

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

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.

Sample:

GS*SO*YOUR_ID*CARGOSMART*20080401*1423*12613*X*004010~

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code Name

304 Shipping Instructions

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
------	-----	---------------------------------------	---	----	-----	----------

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Sample:

ST*304*000012613~

B2 Beginning Segment for Shipment Information Transaction

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 12

User Option (Usage): Must use

Purpose: To transmit basic data relating to shipment information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B201	375	Tariff Service Code	O	ID	2/2	Used
Description: Code specifying the types of services for rating purposes						
Code Name						
DD Door-to-Door						
DP Door-to-Pier						
PD Pier-to-Door						
PP Pier-to-Pier						
B202	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
Description: Standard Carrier Alpha Code						
* B203	154	Standard Point Location Code	O	ID	6/9	Not used
Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city						
B204	145	Shipment Identification Number	O	AN	1/30	Must use
Description: 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)						
CS Notes: If B204 is not provided, SI number should be supplied in N902 where N901= SI.						
* B205	188	Weight Unit Code	O	ID	1/1	Not used
Description: Code specifying the weight unit						
B206	146	Shipment Method of Payment	M	ID	2/2	Must use
Description: Code identifying payment terms for transportation charges						
Code Name						
CC Collect						
MX Mixed						
PP Prepaid (by Seller)						
B207	147	Shipment Qualifier	O	ID	1/1	Used
Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time						
CS Notes: If B207 is not available, CS will use PWK01 to determine BI Type. If PWK01 and B207 are both not provided, default BL type is Original.						

		Code	Name				
		2	Sea Waybill				
		B	Bill of Lading for Individual Shipment				
* B208	86	Total Equipment		O	N0	1/3	Not used
		Description: Total pieces of equipment					
* B209	460	Shipment Weight Code		O	ID	1/1	Not used
		Description: Code indicating the way by which weights are obtained for a particular shipment					
* B210	501	Customs Documentation Handling Code		O	ID	2/2	Not used
		Description: Code defining method of handling for documentation					
* B211	335	Transportation Terms Code		O	ID	3/3	Not used
		Description: Code identifying the trade terms which apply to the shipment transportation responsibility					
* B212	591	Payment Method Code		O	ID	3/3	Not used
		Description: Code identifying the method for the movement of payment instructions					

Semantics:

1. B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.

Comments:

1. B202 is mandatory for transaction set 204.

Sample:

*B2*PP*SCAC**CIX01925**PP*2~*

B2A Set Purpose

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To allow for positive identification of transaction set purpose

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B2A01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
Description: Code identifying purpose of transaction set						
Code Name						
00 Original						
05 Replace						
* B2A02	346	Application Type	O	ID	2/2	Not used
Description: Code identifying an application						

Sample:

B2A*00*SI~

N9 Reference Identification

Pos: 080	Max: 100
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
Code Name						
BM Bill of Lading Number						
BN Booking Number						
CR Customer Reference Number						
CT Contract Number						
E8 Service Contract (Coverage) Number						
FM Federal Maritime Commission (FMC) Forwarders Number						
FN Forwarder's/Agent's Reference Number						
IN Consignee's Invoice Number						
PO Purchase Order Number						
Q1 Quote Number						
RP Repetitive Pattern Code						
SI Shipper's Identifying Number for Shipment (SID)						
SO Shipper's Order (Invoice Number)						
SR Shipper's Reference Number						
TS Tariff Number						
N902	127	Reference Identification	M	AN	1/30	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
N903	369	Free-form Description	O	AN	1/45	Not used
Description: Free-form descriptive text						
* N904	373	Date	O	DT	8/8	Not used
Description: Date expressed as CCYYMMDD						
* N905	337	Time	X	TM	4/8	Not used
Description: 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)						
* N906	623	Time Code	O	ID	2/2	Not used
Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* N907	C040	Reference Identifier	O	Comp		Not used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
*	128	Reference Identification Qualifier	M	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	M	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
*	128	Reference Identification Qualifier	X	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	X	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
*	128	Reference Identification Qualifier	X	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	X	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

CS Notes:

Booking Number should always be provided.

Sample:

*N9*BN*1001801570~*

V1 Vessel Identification

Pos: 090	Max: 2
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

Purpose: To provide vessel details and voyage number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V101	597	Vessel Code	C	ID	1/8	Used
		Description: Code identifying vessel				
V102	182	Vessel Name	C	AN	2/28	Used
		Description: Name of ship as documented in "Lloyd's Register of Ships"				
V103	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
V104	55	Flight/Voyage Number	O	AN	2/10	Used
		Description: Identifying designator for the particular flight or voyage on which the cargo travels				
V105	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
* V106	249	Vessel Requirement Code	O	ID	1/1	Not used
		Description: Code specifying options for satisfying vessel requirements				
* V107	854	Vessel Type Code	O	ID	2/2	Not used
		Description: Code to determine type of vessel				
V108	897	Vessel Code Qualifier	O	ID	1/1	Used
		Description: Code specifying vessel code source				
		Code	Name			
		C	Ship's Radio Call Signal			
		L	Lloyd's Register of Shipping			
* V109	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				

Syntax Rules:

1. R0102 - At least one of V101 or V102 is required.
2. C0801 - If V108 is present, then V101 is required.

Semantics:

1. V103 is the code identifying the country in which the ship (vessel) is registered.
2. V105 identifies the ocean carrier.

Sample:

V1*9301794*Jakarta Express*HK*021W****L~

Loop Name

Pos: 160	Repeat: 100
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
160	N1	Name	M	1		Must use
170	N2	Additional Name Information	O	2		Used
180	N3	Address Information	O	2		Used
190	N4	Geographic Location	O	1		Used
195	G61	Contact	O	3		Used

CS Notes:

At least one N1 group is required by CargoSmart.

N1 Name

Pos: 160	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 6

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		CN				Consignee
		FW				Forwarder
		N1				Notify Party no. 1
		N2				Notify Party no. 2
		SH				Shipper
		SI				SI Party (SI submitter)
N102	93	Name	C	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	C	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		25				Carrier's Customer Code
N104	67	Identification Code	C	AN	2/80	Used
		Description: Code identifying a party or other code				
* N105	706	Entity Relationship Code	O	ID	2/2	Not used
		Description: Code describing entity relationship				
* N106	98	Entity Identifier Code	O	ID	2/3	Not used
		Description: Code identifying an organizational entity, a physical location, property or an individual				

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.

Sample:

*N1*N1*SHANGHAI HAOYUN INTL LOGISTICS CO LTD~*

N2 Additional Name Information

Pos: 170	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

Sample:

*N2*Canning Company Limited~*

N3 Address Information

Pos: 180	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

Sample:

*N3*300 Park Blvd. Suite 350*Itasca, IL 60143 (USA)~*

N4 Geographic Location

Pos: 190	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code Name				
		D				Census Schedule D
		K				Census Schedule K
		UN				United Nations Location Code (UNLOCODE)
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Sample:

*N4*SAN PEDRO*CA*90731*US~*

G61 Contact

Pos: 195	Max: 3
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	Contact Function Code	M	ID	2/2	Must use
Description: Code identifying the major duty or responsibility of the person or group named						
Code Name						
CN Consignee Contact						
FW Forwarder Contact						
N1 First Notify Party Contact						
N2 Second Notify Party Contact						
SH Shipper Contact						
SI SI Party Contact						
G6102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
G6103	365	Communication Number Qualifier	C	ID	2/2	Used
Description: Code identifying the type of communication number						
Code Name						
EM Electronic Mail						
FX Facsimile						
TE Telephone						
G6104	364	Communication Number	C	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						
* G6105	443	Contact Inquiry Reference	O	AN	1/20	Not used
Description: Additional reference number or description to clarify a contact number						

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Sample:

G61*SH*LOS ANGELES OCEAN CARGO EXPORT*TE*(310) 241-1600~

Loop Port or Terminal

Pos: 200	Repeat: 20
Optional	
Loop: R4	Elements: N/A

User Option (Usage): Used

Purpose: Contractual or operational port or point relevant to the movement of the cargo

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
200	R4	Port or Terminal	M	1		Must use

CS Notes:

At least one R4 group should be provided.

R4 Port or Terminal

Pos: 200	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 8

User Option (Usage): Must use

Purpose: Contractual or operational port or point relevant to the movement of the cargo

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R401	115	Port or Terminal Function Code	M	ID	1/1	Must use

Description: Code defining function performed at the port or terminal with respect to a shipment

Code Name

D Port of Discharge (Operational)
 E Place of Delivery (Contractual)
 L Port of Loading (Operational)
 R Place of Receipt (Contractual)

R402	309	Location Qualifier	C	ID	1/2	Used
------	-----	---------------------------	---	----	-----	------

Description: Code identifying type of location

Code Name

D Census Schedule D
 K Census Schedule K
 UN United Nations Location Code (UNLOCODE)

R403	310	Location Identifier	C	AN	1/30	Used
------	-----	----------------------------	---	----	------	------

Description: Code which identifies a specific location

R404	114	Port Name	O	AN	2/24	Used
------	-----	------------------	---	----	------	------

Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property

R405	26	Country Code	O	ID	2/3	Used
------	----	---------------------	---	----	-----	------

Description: Code identifying the country

R406	174	Terminal Name	O	AN	2/30	Used
------	-----	----------------------	---	----	------	------

Description: Free-form field for terminal name

R407	113	Pier Number	O	AN	1/4	Used
------	-----	--------------------	---	----	-----	------

Description: Identifying number for the pier

R408	156	State or Province Code	O	ID	2/2	Used
------	-----	-------------------------------	---	----	-----	------

Description: Code (Standard State/Province) as defined by appropriate government agency

Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

Comments:

1. R4 is required for each port to be identified.

Sample:

*R4*R*UN*USLAX*LOS ANGELES, CA, USA*US~*

R2 Route Information

Pos: 220	Max: 13
Heading - Optional	
Loop: N/A	Elements: 13

User Option (Usage): Used

Purpose: To specify carrier and routing sequences and details

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R201	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
R202	133	Routing Sequence Code	M	ID	1/2	Must use
		Description: Code describing the relationship of a carrier to a specific shipment movement				
		Code Name				
		O Origin Carrier (Air, Motor, or Ocean)				
* R203	19	City Name	O	AN	2/30	Not used
		Description: Free-form text for city name				
* R204	154	Standard Point Location Code	O	ID	6/9	Not used
		Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
* R205	177	Intermodal Service Code	O	ID	1/2	Not used
		Description: Code identifying the Intermodal Service Plan				
* R206	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				
* R207	296	Intermediate Switch Carrier	X	ID	2/4	Not used
		Description: Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)				
* R208	296	Intermediate Switch Carrier	O	ID	2/4	Not used
		Description: Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)				
* R209	76	Invoice Number	O	AN	1/22	Not used
		Description: Identifying number assigned by issuer				
* R210	373	Date	O	DT	8/8	Not used
		Description: Date expressed as CCYYMMDD				
* R211	369	Free-form Description	O	AN	1/45	Not used
		Description: Free-form descriptive text				
R212	56	Type of Service Code	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code specifying extent of transportation service requested				
		Code Name				
		02 FCL/FCL				
		03 LCL/LCL				
		82 FCL/LCL				
		83 LCL/FCL				
* R213	742	Route Description	O	AN	1/35	Not used
		Description: Point to point routing description				

Syntax Rules:

1. C0807 - If R208 is present, then R207 is required.

Semantics:

1. R203 is the station or city name at which carriers interchange shipments.
2. R210 is the billing date.

K1 Remarks

Pos: 230	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				
K102	61	Free-Form Message	O	AN	1/30	Used
		Description: Free-form information				

Sample:

*K1*These commodities, technology*or software were exported from~*

Loop Certifications and Clauses

Pos: 290	Repeat: 20
Optional	
Loop: C8	Elements: N/A

User Option (Usage): Used

Purpose: To specify applicable certifications and clauses

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
290	C8	Certifications and Clauses	M	1		Must use
295	C8C	Certifications Clauses Continuation	O	5		Used

C8 Certifications and Clauses

Pos: 290	Max: 1
Heading - Mandatory	
Loop: C8	Elements: 4

User Option (Usage): Must use

Purpose: To specify applicable certifications and clauses

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* C801	213	Lading Line Item Number	O	N0	1/3	Not used
		Description: Sequential line number for a lading item				
C802	246	Certification/Clause Code	C	ID	2/4	Used
		Description: Code identifying certification/clause information				
		Code	Name			
		01	Shipper's Load and Count			
		02	Shipper's Load, Stowage and Count			
		03	Laden on Board			
		04	Laden on Board Vessel			
		20	No Shipper's Export Declaration Required (Section 30.39)			
		22	On Board Rail			
		24	On Board Vessel			
		25	Received For Shipment			
C803	247	Certification/Clause Text	C	AN	2/60	Used
		Description: Free-form description of commercial invoice certification/clause				
* C804	1302	Shipper's Export Declaration Requirements	O	AN	1/2	Not used
		Description: Code identifying which Shipper's Export Declaration (SED) requirements are being met				

Syntax Rules:

1. R0302 - At least one of C803 or C802 is required.

Sample:

C8**20*No Shipper's Export Declaration Required~

C8C Certifications Clauses Continuation

Pos: 295	Max: 5
Heading - Optional	
Loop: C8	Elements: 3

User Option (Usage): Used

Purpose: To specify additional applicable certifications and clauses

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C8C01	247	Certification/Clause Text	M	AN	2/60	Must use
		Description: Free-form description of commercial invoice certification/clause				
C8C02	247	Certification/Clause Text	O	AN	2/60	Used
		Description: Free-form description of commercial invoice certification/clause				
C8C03	247	Certification/Clause Text	O	AN	2/60	Used
		Description: Free-form description of commercial invoice certification/clause				

Loop Assigned Number

Pos: 010	Repeat: 999
Optional	
Loop: LX	Elements: N/A

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LX	Assigned Number	M	1		Not used
020	Y2	Container Details	O	10		Used
030		Loop N7	O		999	Used
170		Loop L0	O		120	Used

LX Assigned Number

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 1

User Option (Usage): Not used

Purpose: To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Sample:

LX*1~

Y2 Container Details

Pos: 020	Max: 10
Detail - Optional	
Loop: LX	Elements: 10

User Option (Usage): Used

Purpose: To specify container information and transportation service to be used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* Y201	95	Number of Containers	O	N0	1/4	Not used
		Description: Number of shipping containers				
Y202	78	Container Type Request Code	O	ID	1/1	Used
		Description: Code indicating type of container equipment requested				
		Code	Name			
		C	Containers with Chassis			
		P	Third party supplied equipment			
		S	Shipper To Provide - None Requested			
* Y203	56	Type of Service Code	O	ID	2/2	Not used
		Description: Code specifying extent of transportation service requested				
Y204	24	Equipment Type	O	ID	4/4	Used
		Description: Code identifying equipment type				
		CS Notes: If Y204 is not provided, N722 should be provided.				
* Y205	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				
* Y206	177	Intermodal Service Code	O	ID	1/2	Not used
		Description: Code identifying the Intermodal Service Plan				
* Y207	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
* Y208	464	Container Terms Code	O	ID	3/3	Not used
		Description: Code indicating origin and destination of transportation and type of container				
* Y209	465	Container Terms Code Qualifier	O	ID	1/1	Not used
		Description: Code indicating container terms reference				
* Y210	466	Total Stopoffs	O	N0	1/2	Not used
		Description: Total number of stopoffs specified for a shipment				

Sample:

Y2*1*C**40HC~

Loop Equipment Details

Pos: 030	Repeat: 999
Optional	
Loop: N7	Elements: N/A

User Option (Usage): Used

Purpose: To identify the equipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
030	N7	Equipment Details	M	1		Must use
050	M7	Seal Numbers	O	5		Used
060	W09	Equipment and Temperature	O	1		Used
135		Loop H1	O		10	Used

N7 Equipment Details

Pos: 030	Max: 1
Detail - Mandatory	
Loop: N7	Elements: 24

User Option (Usage): Must use

Purpose: To identify the equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	M	AN	1/10	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	C	R	1/10	Used
		Description: Numeric value of weight				
N704	187	Weight Qualifier	C	ID	1/2	Used
		Description: Code defining the type of weight				
		<u>Code</u>		<u>Name</u>		
		G		Gross Weight		
* N705	167	Tare Weight	O	N0	3/8	Not used
		Description: Weight of the equipment				
* N706	232	Weight Allowance	O	N0	2/6	Not used
		Description: Allowance made for increased weight due to such factors as snow				
* N707	205	Dunnage	O	N0	1/6	Not used
		Description: Weight of material used to protect lading (even bracings, false floors, etc.)				
* N708	183	Volume	C	R	1/8	Not used
		Description: Value of volumetric measure				
* N709	184	Volume Unit Qualifier	C	ID	1/1	Not used
		Description: Code identifying the volume unit				
* N710	102	Ownership Code	O	ID	1/1	Not used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment				
* N711	40	Equipment Description Code	O	ID	2/2	Not used
		Description: Code identifying type of equipment used for shipment				
* N712	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
* N713	319	Temperature Control	O	AN	3/6	Not used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Free-form abbreviation of temperature range or flash-point temperature				
* N714	219	Position	O	AN	1/3	Not used
		Description: Relative position of shipment in car, trailer, or container (mutually defined)				
* N715	567	Equipment Length	O	N0	4/5	Not used
		Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)				
* N716	571	Tare Qualifier Code	C	ID	1/1	Not used
		Description: Code identifying the type of tare				
N717	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		Code Name				
		E Metric Ton				
		K Kilograms				
		L Pounds				
N718	761	Equipment Number Check Digit	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				
* N719	56	Type of Service Code	O	ID	2/2	Not used
		Description: Code specifying extent of transportation service requested				
* N720	65	Height	O	R	1/8	Not used
		Description: Vertical dimension of an object measured when the object is in the upright position				
* N721	189	Width	O	R	1/8	Not used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
N722	24	Equipment Type	O	ID	4/4	Used
		Description: Code identifying equipment type				
		CS Notes: <i>If N722 is not provided, Y204 should be provided.</i>				
* N723	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
* N724	301	Car Type Code	O	ID	1/4	Not used
		Description: Code specifying type of rail car or intermodal equipment type and its general characteristics				

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.

Comments:

- 1.

Sample:

N7*XXXX*851662*7616.21*G***58.825*X*****K*3~

M7 Seal Numbers

Pos: 050	Max: 5
Detail - Optional	
Loop: N7	Elements: 5

User Option (Usage): Used

Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225	Seal Number	M	AN	2/15	Must use
Description: Unique number on seal used to close a shipment						
* M702	225	Seal Number	O	AN	2/15	Not used
Description: Unique number on seal used to close a shipment						
* M703	225	Seal Number	O	AN	2/15	Not used
Description: Unique number on seal used to close a shipment						
* M704	225	Seal Number	O	AN	2/15	Not used
Description: Unique number on seal used to close a shipment						
M705	98	Entity Identifier Code	O	ID	2/3	Used
Description: Code identifying an organizational entity, a physical location, property or an individual						
Code Name						
CA Carrier						
CN Consignee						
CU Customs						
FW Forwarder						
HS High Security						
MC Motor Carrier						
NP Notify Party for Shipper's Order						
QS Quarantine Seal						
RR Railroad						
SH Shipper						
TO Terminal Operator						
VT Vet Seal						
ZZ Mutually Defined						

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

Sample:

M7*284520*~

W09 Equipment and Temperature

Pos: 060	Max: 1
Detail - Optional	
Loop: N7	Elements: 9

User Option (Usage): Used

Purpose: To relate equipment type and required temperatures

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W0901	40	Equipment Description Code	M	ID	2/2	Must use
		Description: Code identifying type of equipment used for shipment				
		Code Name				
		CZ				Refrigerated Container
W0902	408	Temperature	C	R	1/4	Used
		Description: Temperature				
W0903	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CE				Centigrade, Celsius
		FA				Fahrenheit
W0904	408	Temperature	C	R	1/4	Used
		Description: Temperature				
W0905	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CE				Centigrade, Celsius
		FA				Fahrenheit
W0906	3	Free Form Message	O	AN	1/60	Used
		Description: Free-form text				
W0907	1122	Vent Setting Code	O	ID	1/1	Used
		Description: Code describing the setting on the air vents on ocean-type containers				
		Code Name				
		A				Vent 25% Open
		B				Vent 50% Open
		C				Vent 75% Open
		D				Vent 100% Open
		E				Closed
		Z				Mutually Defined
W0908	488	Percent	O	NO	1/3	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Percent expressed as 0 to 100				
* W0909	380	Quantity	O	R	1/15	Not used
		Description: Numeric value of quantity				

Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.
2. P0405 - If either W0904 or W0905 is present, then the other is required.

Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2. W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
3. W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4. W0908 is the humidity percentage.
5. W0909 is the number of air exchanges per hour.

Sample:

*W09*CZ*O*CE****E**~*

Loop Hazardous Material

Pos: 135	Repeat: 10
Optional	
Loop: H1	Elements: N/A

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
135	H1	Hazardous Material	M	1		Used
137	H2	Additional Hazardous Material Description	O	10		Used

H1 Hazardous Material

Pos: 135	Max: 1
Detail - Mandatory	
Loop: H1	Elements: 9

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H101	62	Hazardous Material Code	M	AN	4/10	Used
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	O	AN	1/4	Used
		Description: Code specifying the kind of hazard for a material				
H103	208	Hazardous Material Code Qualifier	O	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209)				
		<u>Code</u>	<u>Name</u>			
		I	Intergovernmental Maritime Organization (IMO) Code			
H104	64	Hazardous Material Description	M	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H105	63	Hazardous Material Contact	M	AN	1/24	Used
		Description: Phone number and name of person or department to contact in case of emergency				
H106	200	Hazardous Materials Page	O	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
H107	77	Flashpoint Temperature	C	N	1/3	Used
		Description: The flashpoint temperature for hazardous material				
H108	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>	<u>Name</u>			
		CE	Centigrade, Celsius			
		FA	Fahrenheit			
H109	254	Packing Group Code	M	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				

Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

Sample:

*H1*1263*3*I*PAINT*604-986-4617****3~*

H2 Additional Hazardous Material Description

Pos: 137	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

User Option (Usage): Used

Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H201	64	Hazardous Material Description	M	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H202	274	Hazardous Material Classification	O	AN	1/30	Used
		Description: Free-form description of hazardous material classification or division or label requirements				

Sample:

H2*PAINT*~

Loop Line Item - Quantity and Weight

Pos: 170	Repeat: 120
Optional	
Loop: L0	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
170	L0	Line Item - Quantity and Weight	M	1		Must use
177	L4	Measurement	O	1		Used
185	L5	Description, Marks and Numbers	M	999		Must use
270		Loop H1	O		99	Used

L0 Line Item - Quantity and Weight

Pos: 170	Max: 1
Detail - Mandatory	
Loop: L0	Elements: 15

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213	Lading Line Item Number	O	N0	1/3	Used
Description: Sequential line number for a lading item						
* L002	220	Billed/Rated-as Quantity	C	R	1/11	Not used
Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81						
* L003	221	Billed/Rated-as Qualifier	C	ID	2/2	Not used
Description: Code identifying the type of quantity or value on which the rate or item pricing is based						
L004	81	Weight	C	R	1/10	Used
Description: Numeric value of weight						
L005	187	Weight Qualifier	C	ID	1/2	Used
Description: Code defining the type of weight						
Code Name						
G Gross Weight						
N Actual Net Weight						
L006	183	Volume	C	R	1/8	Used
Description: Value of volumetric measure						
L007	184	Volume Unit Qualifier	C	ID	1/1	Used
Description: Code identifying the volume unit						
Code Name						
E Cubic Feet						
X Cubic Meters						
L008	80	Lading Quantity	C	N0	1/7	Used
Description: Number of units (pieces) of the lading commodity						
L009	211	Packaging Form Code	C	ID	3/3	Used
Description: Code for packaging form of the lading quantity						
CS Notes: CS accepts ISO packaging form codes.						
Code Name						
AMM Ammo Pack						
BAG Bag						

<u>Code</u>	<u>Name</u>
BAL	Bale
BBL	Barrel
BDL	Bundle
BEM	Beam
BIC	Bing Chest
BIN	Bin
BKG	Bulk Bag
BLK	Bulk
BOB	Bobbin
BOT	Bottle
BOX	Box
BRG	Barge
BSK	Basket or hamper
BXI	Box, with inner container
BXT	Bucket
CAB	Cabinet
CAG	Cage
CAN	Can
CAR	Carrier
CAS	Case
CBC	Containers of Bulk Cargo
CBY	Carboy
CCS	Can Case
CHE	Cheeses
CHS	Chest
CLD	Car Load, Rail
CNA	Household Goods Containers, Wood
CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air
CNC	Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift
CNE	Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet
CNT	Container
CNX	CONEX - Container Express
COL	Coil
CON	Cones
COR	Core
CRD	Cradle
CRT	Crate
CSK	Cask
CTN	Carton
CUB	Cube
CYL	Cylinder
DBK	Dry Bulk
DRK	Double-length Rack
DRM	Drum

<u>Code</u>	<u>Name</u>
DSK	Double-length Skid
DTB	Double-length Tote Bin
DUF	Duffle Bag
ENV	Envelope
FIR	Firkin
FLO	Flo-bin
FLX	Liner Bag Liquid
FRM	Frame
FSK	Flask
FWR	Forward Reel
GOH	Garments on Hangers
HED	Heads of Beef
HGH	Hogshead
HPR	Hamper
HPT	Hopper Truck
HRB	On Hanger or Rack in Boxes
HRK	Half-standard Rack
HTB	Half-Standard Tote Bin
JAR	Jar
JUG	Jug
KEG	Keg
KIT	Kit
KRK	Knockdown Rack
KTB	Knockdown Tote Bin
LBK	Liquid Bulk
LIF	Lifts
LOG	Log
LSE	Loose
LUG	Lug
LVN	Lift Van
MLV	MILVAN - Military Van
MRP	Multi-Roll Pack
MSV	MSCVAN - Military Sealift Command Van
MXD	Mixed Type Pack
NOL	Noil
OVW	Overwrap
PAL	Pail
PCK	Packed - not otherwise specified
PCS	Pieces
PIR	Pims
PKG	Package
PLF	Platform
PLN	Pipeline
PLT	Pallet
POV	Private Vehicle
PRK	Pipe Rack
QTR	Quarter of Beef

<u>Code</u>	<u>Name</u>
RAL	Rail (Semiconductor)
RCK	Rack
REL	Reel
ROL	Roll
RVR	Reverse Reel
SAK	Sack
SBC	Liner Bag Dry
SCS	Suitcase
SHK	Shook
SHT	Sheet
SID	Side of Beef
SKD	Skid
SKE	Skid, elevating or lift truck
SLP	Slip Sheet
SLV	Sleeve
SPI	Spin Cylinders
SPL	Spool
SVN	SEAVAN - Sea Van
TBE	Tube
TBN	Tote Bin
TKR	Tank Car
TKT	Tank Truck
TLD	Intermodal Trailer/Container Load (Rail)
TNK	Tank
TRC	Tierce
TRI	Triwall Box
TRK	Trunk and Chest
TRU	Truck
TRY	Tray
TSS	Trunk, Salesmen Sample
TTC	Tote Can
TUB	Tub
UNP	Unpacked
UNT	Unit
VEH	Vehicles
VPK	Van Pack
WHE	On Own Wheel
WLC	Wheeled Carrier
WRP	Wrapped

* L010	458	Dunnage Description	O	AN	2/25	Not used
		Description: Material used to protect lading				
L011	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				

<u>Code</u>	<u>Name</u>
E	Metric Ton

		<u>Code</u>	<u>Name</u>				
		K	Kilograms				
		L	Pounds				
* L012	56	Type of Service Code		O	ID	2/2	Not used
		Description: Code specifying extent of transportation service requested					
* L013	380	Quantity		X	R	1/15	Not used
		Description: Numeric value of quantity					
* L014	211	Packaging Form Code		O	ID	3/3	Not used
		Description: Code for packaging form of the lading quantity					
* L015	1073	Yes/No Condition or Response Code		X	ID	1/1	Not used
		Description: Code indicating a Yes or No condition or response					

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

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.

Sample:

```
L0*1***19136*G*16.550*X*17*PCS**L~
```

L4 Measurement

Pos: 177	Max: 1
Detail - Optional	
Loop: L0	Elements: 6

User Option (Usage): Used

Purpose: To describe physical dimensions and quantities

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L401	82	Length	M	R	1/8	Used
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
L402	189	Width	M	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
L403	65	Height	M	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				
L404	90	Measurement Unit Qualifier	M	ID	1/1	Used
		Description: Code specifying the linear dimensional unit				
		<u>Code</u>	<u>Name</u>			
		C	Centimeters			
		N	Inches			
L405	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
* L406	1271	Industry Code	O	AN	1/30	Not used
		Description: Code indicating a code from a specific industry code list				

Semantics:

1. L406 is the Rounding in Pattern for dimensional shipments.

Sample:

L4*1*1*1*X*7*PALLETS

L5 Description, Marks and Numbers

Pos: 185	Max: 999
Detail - Mandatory	
Loop: L0	Elements: 10

User Option (Usage): Must use

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	NO	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Must use
		Description: Description of an item as required for rating and billing purposes				
* L503	22	Commodity Code	C	AN	1/30	Not used
		Description: Code describing a commodity or group of commodities				
* L504	23	Commodity Code Qualifier	C	ID	1/1	Not used
		Description: Code identifying the commodity coding system used for Commodity Code				
* L505	103	Packaging Code	O	AN	3/5	Not used
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required				
L506	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
* L507	88	Marks and Numbers Qualifier	O	ID	1/2	Not used
		Description: Code specifying the application or source of Marks and Numbers (87)				
* L508	23	Commodity Code Qualifier	X	ID	1/1	Not used
		Description: Code identifying the commodity coding system used for Commodity Code				
* L509	22	Commodity Code	X	AN	1/30	Not used
		Description: Code describing a commodity or group of commodities				
* L510	595	Compartment ID Code	O	ID	1/1	Not used
		Description: Code identifying the compartment in a compartmentalized tank car				

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

1. L502 may be used to send quantity information as part of the product description.

Sample:

L5*2*BIO-CHLOR IN 25KG BAGS~

Loop Hazardous Material

Pos: 270	Repeat: 99
Optional	
Loop: H1	Elements: N/A

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
270	H1	Hazardous Material	M	1		Used
280	H2	Additional Hazardous Material Description	O	10		Used

CS Notes:

Some carriers can only accept up to 10 DG items.

H1 Hazardous Material

Pos: 270	Max: 1
Detail - Mandatory	
Loop: H1	Elements: 9

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H101	62	Hazardous Material Code	M	AN	4/10	Must use
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	O	AN	1/4	Used
		Description: Code specifying the kind of hazard for a material				
H103	208	Hazardous Material Code Qualifier	O	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209)				
		Code Name				
		I				Intergovernmental Maritime Organization (IMO) Code
H104	64	Hazardous Material Description	O	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H105	63	Hazardous Material Contact	O	AN	1/24	Used
		Description: Phone number and name of person or department to contact in case of emergency				
H106	200	Hazardous Materials Page	O	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
H107	77	Flashpoint Temperature	C	N	1/3	Used
		Description: The flashpoint temperature for hazardous material				
H108	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CE				Centigrade, Celsius
		FA				Fahrenheit
H109	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				
		Code Name				
		I				Great danger
		II				Medium danger
		III				Minor danger

Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

Sample:

*H1*1263*3*I*PAINT*604-986-4617****3~*

H2 Additional Hazardous Material Description

Pos: 280	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

User Option (Usage): Used

Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H201	64	Hazardous Material Description	M	AN	2/30	Must use
		Description: Material name, special instructions, and phone number if any				
H202	274	Hazardous Material Classification	O	AN	1/30	Used
		Description: Free-form description of hazardous material classification or division or label requirements				

Sample:

H2*PAINT*~

Loop Total Weight and Charges

Pos: 010	Repeat: 1
Optional	
Loop: L3	Elements: N/A

User Option (Usage): Used

Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
020	PWK	Paperwork	O	50		Used
060	K1	Remarks	O	999		Used

PWK Paperwork

Pos: 020	Max: 50
Summary - Optional	
Loop: L3	Elements: 9

User Option (Usage): Used

Purpose: To identify the type or transmission or both of paperwork or supporting information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PWK01	755	Report Type Code	C	ID	2/2	Used
Description: Code indicating the title or contents of a document, report or supporting item						
Code Name						
BC Bill of Lading Copy						
BD Draft BL						
BL Bill of Lading						
SW Sea Waybill						
PWK02	756	Report Transmission Code	O	ID	1/2	Used
Description: Code defining timing, transmission method or format by which reports are to be sent						
Code Name						
CS CargoSmart Online BL						
EL Electronically Only						
FX By Fax						
OT Others						
PO Printed Original Required						
PWK03	757	Report Copies Needed	O	N0	1/2	Used
Description: The number of copies of a report that should be sent to the addressee						
* PWK04	98	Entity Identifier Code	O	ID	2/3	Not used
Description: Code identifying an organizational entity, a physical location, property or an individual						
* PWK05	66	Identification Code Qualifier	C	ID	1/2	Not used
Description: Code designating the system/method of code structure used for Identification Code (67)						
* PWK06	67	Identification Code	C	AN	2/80	Not used
Description: Code identifying a party or other code						
PWK07	352	Description	O	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						
* PWK08	C002	Actions Indicated	O	Comp		Not used
Description: Actions to be performed on the piece of paperwork identified						
*	704	Paperwork/Report Action Code	M	ID	1/2	Not used
Description: Code specifying how the paperwork or report that is identified in the PWK						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		segment relates to the transaction set or to identify the action that is required				
*	704	Paperwork/Report Action Code	O	ID	1/2	Not used
		Description: Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required				
*	704	Paperwork/Report Action Code	O	ID	1/2	Not used
		Description: Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required				
*	704	Paperwork/Report Action Code	O	ID	1/2	Not used
		Description: Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required				
*	704	Paperwork/Report Action Code	O	ID	1/2	Not used
		Description: Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required				
* PWK09	1525	Request Category Code	O	ID	1/2	Not used
		Description: Code indicating a type of request				

Comments:

1. PWK05 and PWK06 may be used to identify the addressee by a code number.
2. PWK07 may be used to indicate special information to be shown on the specified report.
3. PWK08 may be used to indicate action pertaining to a report.

Sample:

PWK*BD*CS*0~

K1 Remarks

Pos: 060	Max: 999
Summary - Optional	
Loop: L3	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				
K102	61	Free-Form Message	O	AN	1/30	Used
		Description: Free-form information				

Sample:

*K1*FCL/FCL Shippers Weight, Load,*Stowage and Count Non Negotia~*

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

1. SE is the last segment of each transaction set.

Sample:

SE*43*000017132~

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: 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	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

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.

Sample:

GE*1*17132~

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						

Sample:

IEA*1*000028909~