

CSX Intermodal EDI 301 Private CY Bookings

CSX Intermodal EDI 301 Implementation Guide for Customers

X12/V4010/301: 301 Confirmation (Ocean)

Version: 004010

Questions about the CSXI EDI 301 Implementation Guide should be directed to: 877-SHIPCSX option 2, prompt 2
Monday – Friday: 7:00 AM – 6:00 PM

Table of Contents

Confirmation (Ocean)	
Interchange Control Header	2
Functional Group Header	4
Transaction Set Header	
Beginning Segment for Booking or Pick-up/Delivery	7
Space Confirmation	8
Container Release	10
Name	1 1
Port or Terminal	12
I Date/Time Reference	13
Special Handling Instructions	14
Transaction Set Trailer	15
Functional Group Trailer	16
Interchange Control Trailer	
	Interchange Control Header Functional Group Header Transaction Set Header Beginning Segment for Booking or Pick-up/Delivery Space Confirmation Container Release Name Port or Terminal Date/Time Reference Special Handling Instructions Transaction Set Trailer Functional Group Trailer

301

Confirmation (Ocean)

Functional Group=R0

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Confirmation (Ocean) Transaction Set (301) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for an ocean carrier to confirm space, container, and equipment availability in response to the Reservation (Booking Request) (Ocean) Transaction Set (300); or to notify other parties such as terminal operators or other ocean carriers.

Not Defined:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use
Heading) :						
<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1			Must use
040	Y3	Space Confirmation	М	1			Must use
LOOP ID	- <u>Y4</u>			_	<u>10</u>	_	_
050	Y4	Container Release	0	1			Used
LOOP ID	- N1			_	4	_	_
060	N1	Name	Ō	1	_		Used
LOOP ID	- R4			_	<u>20</u>	_	
110	R4	Port or Terminal	M	1		-	Must use
120	DTM	Date/Time Reference	0	15			Used
140	НЗ	Special Handling Instructions	0	6			Used
Summar	'y:						
<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	Notes	<u>Usage</u>
010	SE	Transaction Set Trailer	M	1			Must use
Not Defi	ned:						
Pos	<u>ld</u> GE	<u>Segment Name</u> Functional Group Trailer	Req M	Max Use 1	Repeat	<u>Notes</u>	<u>Usage</u> Must use

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:

Ref ISA01	<u>ld</u> 101	Element Na Authorizati	<u>ıme</u> on Information Qualifier	Req M	<u>Type</u> ID	Min/Max 2/2	<u>Usage</u> Must use		
		Description	: Code to identify the type of in	formatio	n in the A	uthorization In	formation		
		<u>Code</u> 00	No Authorization Information	Present	(No Mea	ningful Informa	ition in I02)		
ISA02	102	Authorizati	on Information	М	AN	10/10	Must use		
		sender or th	n: Information used for additional e data in the interchange; the ty Qualifier (I01)						
ISA03	103	Security In	formation Qualifier	М	ID	2/2	Must use		
		Description	: Code to identify the type of in	formatio	n in the S	Security Informa	ation		
		<u>Code</u> 00	No Security Information Prese	ent (No I	Meaningf	ul Information i	n 104)		
ISA04	104	Security In	formation	М	AN	10/10	Must use		
		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	105	Interchange	e ID Qualifier	М	ID	2/2	Must use		
	Description: Qualifier to designate the system/method of code structure used to design the sender or receiver ID element being qualified						sed to designate		
		<u>Code</u> 02 ZZ	Name SCAC (Standard Carrier Alph Mutually Defined	a Code)					
ISA06	106	Interchange	e Sender ID	М	AN	15/15	Must use		
			n: Identification code published I to route data to them; the sende						
ISA07	105	Interchange	e ID Qualifier	М	ID	2/2	Must use		
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified							
		<u>Code</u> 02 ZZ	Name SCAC (Standard Carrier Alph Mutually Defined	a Code)					
ISA08	107	Interchange	e Receiver ID	М	AN	15/15	Must use		
		used by the receiving ID	n: Identification code published I sender as their sending ID, thus to route data to them 1: CSX recommends you use "Commends"	s other p					
ISA09	108	Interchange	e Date	М	DT	6/6	Must use		

		Description	: Date of the interchange						
ISA10	109	Interchange	e Time	М	TM	4/4	Must use		
		Description	: Time of the interchange						
ISA11	l10	Interchange	e Control Standards Identifier	М	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 All valid standard codes are used.							
ISA12	l11	Interchange	Control Version Number	М	ID	5/5	Must use		
		Description: Code specifying the version number of the interchange control segments							
		<u>Code</u> 00401	Name Draft Standards for Trial Use A Procedures Review Board thro			ation by ASC	X12		
ISA13	l12	Interchange	e Control Number	М	N0	9/9	Must use		
		Description	: A control number assigned by t	he inter	change se	nder			
ISA14	l13	Acknowled	gment Requested	М	ID	1/1	Must use		
		Description	: Code sent by the sender to req	uest an	interchang	je acknowledg	gment (TA1)		
		<u>Code</u> 0	Name No Acknowledgment Requeste	d					
ISA15	l14	Usage Indic	cator	М	ID	1/1	Must use		
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information							
		Code P	<u>Name</u> Production Data						
ISA16	l15	Component	t Element Separator	М		1/1	Must use		
	Description: Type is not applicable; the component element separator is a delimiter and a data element; this field provides the delimiter used to separate component data element within a composite data structure; this value must be different than the data element separator and the segment terminator User Note 1: CSX recommends you send ">".						data elements		

Functional Group Header GS

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> GS01	<u>ld</u> 479		Element Name Functional Identifier Code		<u>Type</u> ID	Min/Max 2/2	<u>Usage</u> Must use		
		Description: Code identifying a group of application related transaction sets							
		<u>Code</u> RO	Name Ocean Booking Information (300, 301	,303)				
GS02	142	Application	Sender's Code	М	AN	2/15	Must use		
		Description partners	: Code identifying party sendin	ng transmission; codes agreed to by trading					
GS03	124	Application	Receiver's Code	М	AN	2/15	Must use		
		Description: Code identifying party receiving transmission; codes agreed to by trading partners							
		User Note 1	I: Receiver code = "CSXI"						
GS04	373	Date		M	DT	8/8	Must use		
		Description: Date expressed as CCYYMMDD							
GS05	337	Time		М	TM	4/8	Must use		
		HHMMSSD seconds (00	a: Time expressed in 24-hour cl , or HHMMSSDD, where H = ho 0-59) and DD = decimal second and DD = hundredths (00-99)	ours (00-	23), M =	minutes (00-59	9), S = integer		
GS06	28	Group Con	trol Number	М	N0	1/9	Must use		
		Description: Assigned number originated and maintained by the sender							
GS07	455	Responsibl	e Agency Code	М	ID	1/2	Must use		
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480							
		<u>Code</u> X	Name Accredited Standards Commi	ittee X12	2				
GS08	480	Version / R Code	elease / Industry Identifier	М	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 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.

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> ST01	<u>ld</u> 143	Element Naı Transaction	<u>me</u> Set Identifier Code	<u>Req</u> M	<u>Type</u> ID	Min/Max 3/3	<u>Usage</u> Must use
		Description: Code uniquely identifying a Transaction Set					
		<u>Code</u> 301	Name Confirmation (Ocean)				
ST02	329	Transaction	Set Control Number	М	AN	4/9	Must use
			: Identifying control number that oup assigned by the originator f				saction 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).

B1 Beginning Segment for Booking or Pick-up/Delivery

Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u> B101	<u>ld</u> 140	<u>Element Name</u> Standard Carrier Alpha Code	Req O	Type ID	Min/Max 2/4	<u>Usage</u> Not used			
		Description: Standard Carrier Alpha Code User Note 1: CSX Does not read this element.							
B102	145	Shipment Identification Number	М	AN	1/30	Must use			
	Description: Identification number assigned to the shipment by the shipper that uniquidentifies the shipment from origin to ultimate destination and is not subject to modification (Does not contain blanks or special characters)								
B103	373	Date	0	DT	8/8	Not used			
		Description: Date expressed as CCYYMMDD User Note 1: CSX Does not read this element.							
B104	558	Reservation Action Code	М	ID	1/1	Must use			
		Description: Code identifying action on reservation or offering							
		CodeNameNNewRDeleteUChange							

Semantics:

- 1. B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
- 2. B103 is the booking date accepted by the carrier.

Y3 Space Confirmation

Pos: 040 Max: 1 Heading - Mandatory Loop: N/A Elements: 11

User Option (Usage): Must use

Purpose: To specify confirmation information for space booking including numbers, dates, and load time

Element Summary:

<u>Ref</u> Y301	<u>ld</u> 13	Element Name Booking Number	Req M	<u>Type</u> AN	Min/Max 1/14	<u>Usage</u> Must use			
		Description: Number assigned by the carrier for space reservation User Note 1: CSX max length for the Booking Number is 14 bytes.							
Y302	140	Standard Carrier Alpha Code	o O	ID ID	2/4	Not used			
		Description: Standard Carrier Alpha Code			_, .				
Y303	373	Date	0	DT	8/8	Not used			
		Description: Date expressed as CCYYMM	DD						
Y304	373	Date	0	DT	8/8	Not used			
		Description: Date expressed as CCYYMM	DD						
Y305	154	Standard Point Location Code	0	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							
Y306	112	Pier Name	0	AN	2/14	Not used			
		Description: Free-form name of the pier							
Y307	373	Date	0	DT	8/8	Not used			
		Description: Date expressed as CCYYMM	DD						
Y308	337	Time	Χ	TM	4/8	Not used			
		Description: Time expressed in 24-hour class HHMMSSD, or HHMMSSDD, where H = hoseconds (00-59) and DD = decimal seconds tenths (0-9) and DD = hundredths (00-99)	ours (00-	-23), M =	minutes (00-5	9), S = integer			
Y309	91	Transportation Method/Type Code	0	ID	1/2	Not used			
		Description: Code specifying the method of All valid standard codes are used.	or type o	f transpo	rtation for the s	shipment			
Y310	375	Tariff Service Code	0	ID	2/2	Not used			
		Description: Code specifying the types of sall valid standard codes are used.	services	for rating	purposes				
Y311	623	Time Code	0	ID	2/2	Not used			
		Description: Code identifying the time. In a Organization standard 8601, time can be sprelation to Universal Time Coordinate (UTC are substituted by P and M in the codes that All valid standard codes are used.	ecified) time; s	by a + or	- and an indica	ation in hours in			

Syntax Rules:

1. C0908 - If Y309 is present, then Y308 is required.

Semantics:

- 1. Y303 is the date of departure of the vessel.
- 2. Y304 is the estimated arrival date at the port of discharge.
- 3. Y307 is the required pier date.
- 4. Y308 is the load time.
- 5. Y311 is the time zone which the time reflects.

Comments:

1. If space is available, all of the conditional data elements in segment Y3 are required. If the requested space is not available, Y301 is the booking number 'decline'.

Y4 Container Release

Pos: 050 Max: 1 Heading - Optional Loop: Y4 Elements: 10

User Option (Usage): Used

Purpose: To transmit information relative to containers available for release

Element Summary:

<u>Ref</u> Y401	<u>ld</u> 13	Element Name Booking Number	Req O	<u>Type</u> AN	Min/Max 1/17	<u>Usage</u> Must Use					
		Description: Number assigned by the carri	Description: Number assigned by the carrier for space reservation								
Y402	13	Booking Number	0	AN	1/17	Must Use					
		Description: Number assigned by the carri									
Y403	373	Date	0	DT	8/8	Used					
		Description: Date expressed as CCYYMM User Note 1: <i>Pickup Date</i>	DD								
Y404	154	Standard Point Location Code	0	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										
Y405	95	Number of Containers	М	N0	1/4	Must use					
		Description: Number of shipping container	S								
Y406	24	Equipment Type	М	ID	4/4	Must use					
		Description: Code identifying equipment ty User Note 1: <i>Must contain the AAR Car typ</i>		does not	process ISO	codes.					
Y407	140	Standard Carrier Alpha Code	М	ID	2/4	Must use					
		Description: Standard Carrier Alpha Code									
Y408	309	Location Qualifier	Χ	ID	1/2	Not used					
		Description: Code identifying type of locati	on								
Y409	310	Location Identifier	Χ	AN	1/30	Not used					
		Description: Code which identifies a specif	fic locati	on							
Y410	56	Type of Service Code	0	ID	2/2	Not used					
		Description: Code specifying extent of tran	sportati	on servic	e requested						

Syntax Rules:

1. P0809 - If either Y408 or Y409 is present, then the other is required.

Semantics:

- 1. Y401 is used for the first booking number and Y402 for the last booking number in a range of numbers. If only one booking number is used, Y402 is omitted.
- 2. Y403 is the date of container availability for pickup.
- 3. Y404 is the Standard Point Location Code (SPLC) of the container pick-up location.
- 4. Y407 identifies the carrier to whom containers will be released, if known.

N1 Name

Pos: 060 Max: 1 Heading - Optional Loop: N1 Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u> N101	<u>ld</u> 98	Element Name Entity Identifier Code		Req M	Type ID	Min/Max 2/3	<u>Usage</u> Must use			
		Description individual	Description: Code identifying an organizational entity, a physical location, property or an individual							
		<u>Code</u> OR SH	<u>Name</u> Origin Drayman Shipper							
N102	93	Name		Χ	AN	1/30	Used			

Description: Free-form name

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:

- 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.

R4 Port or Terminal

Pos: 110 Max: 1 Heading - Mandatory Loop: R4 Elements: 4

User Option (Usage): Must use

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

Element Summary:

Ref	<u>ld</u>	Element Name		Req	<u>Type</u>	Min/Max	<u>Usage</u>		
R401	115	Port or Terminal I	Function Code	M	ID	1/1	Must use		
		Description: Code defining function performed at the port or terminal with respect to a shipment							
		Code Nam 5 Activ	ne rity Location (Operational)						
R402	309	Location Qualifie	r	М	ID	1/2	Must use		
		Description: Code identifying type of location							
		CodeNamSLU.S.	i <u>e</u> SPLC						
R403	310	Location Identifie	r	М	AN	1/30	Must use		
		Description: Code	e which identifies a specifi	c location	on				
			t contain the CSX SPLC fo provide a SPLC list if nee		erminal wh	nere you are si	neding the		
R404	114	Port Name		0	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							
	User Note 1: CSX recommends you send the Name of the terminal for the Booking.								

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.

DTM Date/Time Reference

Pos: 120 Max: 15 Heading - Optional Loop: R4 Elements: 3

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>		
DTM01	374	Date/Time Qualifier	М	ID	3/3	Must use		
		Description: Code specifying type of date	or time,	or both d	ate and time			
DTM02	373	Date	Χ	DT	8/8	Used		
		Description: Date expressed as CCYYMMDD						
DTM03	337	Time	Χ	TM	4/8	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)								

Syntax Rules:

- 1. R020305 At least one of DTM02, DTM03 or DTM05 is required.
- 2. C0403 If DTM04 is present, then DTM03 is required.
- 3. P0506 If either DTM05 or DTM06 is present, then the other is required.

User Note 1:

Segment is optional, current date and time will default if not passed within this segment.

H3 Special Handling Instructions

Pos: 140 Max: 6 Heading - Optional Loop: N/A Elements: 2

User Option (Usage): Used

Purpose: To specify special handling instructions in coded or free-form format

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
H301	152	Special Handling Code	Χ	ID	2/3	Used
		Description: Code specifying special trans All valid standard codes are used.	sportatior	n handling	ginstructions	
H302	153	Special Handling Description	Χ	AN	2/30	Used
		Description: Free-form additional descriptions printed bill if special bandling gode is not a		ecial hand	dling instruction	s to appear on

printed bill if special handling code is not adequate

Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

Transaction Set Trailer SE

Max: 1 Pos: 010 **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:

Ref	<u>ld</u>	Element Name	Req	Type	Min/Max	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments inc segments	luded in	a transa	ction set includ	ing ST and SE
SE02	329	Transaction Set Control Number	М	AN	4/9	Must use
		Description: Identifying control number tha functional group assigned by the originator f				saction set

Comments:

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

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:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: Total number of transaction s interchange (transmission) group terminate			•	•
GE02	28	Group Control Number	М	N0	1/9	Must use
		Description: Assigned number originated a	and mair	ntained by	y 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:

 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.

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:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	М	N0	1/5	Must use
		Description: A count of the number of functions	tional gr	oups incl	uded in an int	erchange
IEA02	l12	Interchange Control Number	М	N0	9/9	Must use
		Description: A control number assigned by	the inte	rchange	sender	

EDI 301 Example:

ISA*00* *00* *ZZ*SCAC *ZZ*CSXINC *080924*1300*U*00401*00000005*0*P*^

GS*RO*SCAC*CSXI*20080924*1300*00000005*X*004010

ST*301*383162

B1*SCAC*TESTBOOKINGNUM*20081002*N

Y3*TESTBOOKINGNUM*SCAC*20081106*20081112

Y4*TESTBOOKINGNUM*TESTBOOKNUM*20081023**99*U201*SCAC

N1*SH*SHIPPER NAME or N1*OR*DRAYMAN NAME

R4*L*D*4601*NEW YORK, NY

DTM*145*20081002

R4*D*K*24128*KINGSTON

DTM*146*20081003

R4*M*K*21531*PUERTO CORTES

R4*R*D*3901*CHICAGO, IL

R4*5*SL*456388*FAIRBURN, GA

H3**TEST SPECIAL INSTRUCTION 00001

H3**TEST SPECIAL INSTRUCTION 00002

H3**TEST SPECIAL INSTRUCTION 00003

H3**TEST SPECIAL INSTRUCTION 00004

H3**TEST SPECIAL INSTRUCTION 00005

H3**TEST SPECIAL INSTRUCTION 00006

SE*19*383162

GE*1*00000001

IEA*1*00000005