

KANSAS CITY SOUTHERN



Intermodal
EDI Changes to Support
Carta Porte Regulations

Segment Structure

POS. #	SEG. ID	SEGMENT NAME	REQ. DES.	MAX USE	REPEAT	USAGE
	ISA	Interchange Control Header	M	1		Must Use
	GS	Functional Group Header	M	1		Must Use
010	ST	Transaction Set Header	M	1		Must Use
020	ZC1	Beginning Segment For Data Correction Or Change	O	1		Used
030	BX	General Shipment Information	O	1		Used
040	BNX	Rail Shipment Information	O	1		Used
050	M3	Release	M	1		Used
060	N9	Extended Reference Identification	M	30		Used
070	CM	Cargo Manifest	O	2		Used
080	M1	Insurance	O	1		Not Used
090	DTM	Date/Time Reference	O	5		Used
LOOP ID - N7					500	
100	N7	Equipment Details	M	1		Must Use
110	EM	Equipment Characteristics	O	1		Not Used
LOOP ID - N7/VC					36	
120	VC	Motor Vehicle Control	O	1		Used
LOOP ID - N7/VC/N1					2	
130	N1	Party Identification	O	1		Not Used
140	N3	Party Location	O	2		Not Used
150	N4	Geographic Location	O	1		Not Used
160	H3	Special Handling Instructions	O	1		Not Use
170	M7	Seal Numbers	O	5		Used
180	N5	Equipment Ordered	O	1		Not Used
190	IC	Intermodal Chassis Equipment	O	1		Used
200	IM	Intermodal Movement Information	O	1		Not Used
210	M12	In-bond Identifying Information	O	2		Used
LOOP ID - N7/E1					2	
220	E1	Empty Car Disposition - Pended Destination Consignee	O	1		Used
230	E4	Empty Car Disposition - Pended Destination City	O	1		Used
240	E5	Empty Car Disposition - Pended Destination Route	O	13		Used
250	PI	Price Authority Identification	O	1		Not Used
260	GA	Canadian Grain Information	O	15		Not Used
LOOP ID - N7/REF					99	
270	REF	Reference Information	O	1		Used
280	N9	Extended Reference Identification	O	10		Used
290	N10	Quantity and Description	O	15		Used
300	SMD	Consolidated Shipment Manifest Data	O	1		Not Used
310	VC	Motor Vehicle Control	O	36		Not Used

Outside Loop

Inside N7/REF Loop

Segments involved in Carta Porte information

▪ N9 Segment outside loop

- International Trade CFDI UUID
- New qualifier 'UUI' pending X12 approval for DED 128
- N901 usage greynote

"Required on all shipments shipped under an 'A1' Pedimento type (both loaded and revenue empty) with a rail origin within Mexico to a destination outside of Mexico. When used the maximum allowed length of the N902 increases to 50 characters."

▪ REF Segment in the N7/REF loop

- SAT Commodity Code which is based on the United Nations Standard Products and Service Code (UNSPSC)
- New qualifier 'UNC' pending X12 approval for DED 128
- REF01 usage greynote

"Required on all loaded and revenue empty shipments with an origin or destination within Mexico. Also required on all residue last-contained hazardous with an origin or destination within Mexico."

▪ N9 Segment in the N7/REF loop

- Mexico Servicio de Administración Tributaria Hazardous Code
- New qualifier 'MHC' pending X12 approval for DED 128
- N901 usage greynote

"Required on all hazardous loaded and residue last-contained shipments with an origin or destination within Mexico. When used, REF01 must equal 'UNC'."

"Used to convey UN/NA Identification Code of the hazardous substance. The prefix of 'UN' or 'NA' must be included with the numeric identification code."

- Mexico Tariff Rate Code (Fracción Arancelaria)
- New qualifier 'MTC' pending X12 approval for DED 128
- N901 usage greynote

"Required on all international loaded and revenue empty moves into or out of Mexico, including those processed through ocean ports. Also required on all international residue last-contained hazardous moves into or out of Mexico, including those processed through ocean ports. When used, REF01 must equal 'UNC'."



Segments involved in Carta Porte information

- N10 Segment in the N7/REF loop
 - N10 Segment usage greynote
 - “At least one instance of this segment is required when REF01 is equal to ‘UNC’. Additional instances are required when package type (N1010) changes.”*
 - N1001 usage greynotes
 - “Required when REF01 is equal to ‘UNC’.*
 - N1002 usage greynotes
 - “Required when REF01 is equal to ‘UNC’.*
 - N1007 usage greynotes
 - “Required on loaded shipments when REF is equal to ‘UNC’.*
 - N1008 usage greynotes
 - “Required on loaded shipments when REF is equal to ‘UNC’.*
 - N1010 usage greynotes
 - “Required when REF01 is equal to ‘UNC’.*
 - N1011 usage greynote
 - “Required when REF01 is equal to ‘UNC’ and the ultimate origin country is outside North America. When used for this purpose it must contain the ISO-3166 three-letter country code identification.”*
 - N1012 usage greynote
 - “Required when REF01 is equal to ‘UNC’ and the ultimate destination country is outside North America. When used for this purpose it must contain the ISO-3166 three-letter country code identification.”*
- Rail Version 5010 or greater is required
 - N9 Segment inside the N7/REF Loop is not available before 5010



Example – KCSM Domestic

ST*404*9945

BX*04*R*PP**KCSM*K*B

BNX*N**S

M3*R*20211109*0937

N9*BM*BILL OF LADING NO

N7*KCSMU*123456*12500*N*****CN****2000

M7*SEAL NO

REF*UNC*METALS UNSPSC CODE

N10*20*UNSPSC DESCRIPTION*****K*12500**PLT

F9**PANTACO*DF

D9**SALINAS VICTORIA*NL

...

LX*1

L5*1*METALS:(NOS)*4611110*T

L0*1***12500*N*****K

SE*38*9945

Data required for each commodity and package types included in the shipment.



Example – KCSM Export

ST*404*0001
BX*00*X*PP***L*B
BNX*A**S
M3*R*20211109*1006*CT
N9*BM*BILL OF LADING NO**20211109*1006*CT
N9*UUI*INTERNATIONAL TRADE CFDI UUID
N7*KCSU*123456*15433*N*****CN****5300
M7*SEAL NO
REF*UNC*APPLIANCE A UNSPSC CODE
N9*MTC*SAT TARIFF RATE CODE
N10*100*UNSPSC DESCRIPTION*****L*15000**PCS
REF*UNC*APPLIANCE B UNSPSC CODE
N9*MTC*SAT TARIFF RATE CODE
N10*4*UNSPSC DESCRIPTION UPTO 45 CHARACTERS*****L*433**PCS
N10**ADDITIONAL UNSPSC DESCRIPTION
F9**SALINAS VICTORIA*NL
D9**CHICAGO*IL
...
LX*1
L5*1*MISC. APPL*3634348*T
L0*1***15433*N***104*PCS
PI*CT*123456***KCSM*QT
SE*57*0001

Required for export loads and revenue empties with 'A1' Pedimento Type

Data required for each commodity and package types included in the shipment.



KCS 404 Example – KCSM Import

ST*404*368064001

BX*00*X*PP***L*B

BNX*M**S

N9*BM*BILL OF LADING NO**20211109*1122*CT

N7*KCSU*123456*7497*N*****CN****5300

M7*SEAL NO

REF*UNC*ROOFING MATERIALS UNSPSC CODE

N9*MTC*SAT TARIFF RATE CODE

N10*26*UNSPSC DESCRIPTION*****L*7497**PLT

F9**WYLIE*TX

D9**SALINAS VICTORIA*NL

...

LX*1

L5*1*ROOFING, COMPOSITION OR PREPARED, NEC*2952190*T

L0*1***7497*N***26*PLT

PI*CT*123456***KCSM*QT

SE*60*368064001



Data required for each commodity and package types included in the shipment.



Example - KCSM Seaport Origin/Destination

ST*404*9943
 BX*04*R*PP***K*B
 BNX*N**S
 M3*R*20211108*1152
 N9*BM*BILL OF LADING NO
 N9*BN*BOOKING NO
 CM*123S*L*HONG KONG HK*20210927*BOOKING****VESSEL
 N7*KCSU*123456*17136*N*****CN****4000**0****45000
 M7*SEAL NO
 REF*UNC*CONSUMER PRODUCTS A UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*15*UNSPSC DESCRIPTION*****L*7497**PLT*HKG
 REF*UNC*CONSUMER PRODUCTS B UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*20*UNSPSC DESCRIPTION*****L*9680**PLT*HKG
 REF*UNC*CONSUMER PRODUCTS C UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*10*UNSPSC DESCRIPTION*****L*5984**PLT*HKG
 F9**APM LAZARO*MH
 D9**PANTACO*DF
 ...
 LX*1
 L5*1*CONSUMER PRODUCTS:(NOS)*4611110*T
 L0*1***23161*N*****K
 SE*41*9943

Required for export loads and revenue empties with 'A1' Pedimento Type

Data required for each commodity and package types included in the shipment.

ST*404*9943
 BX*04*R*PP***K*B
 BNX*N**S
 M3*R*20211108*1152
 N9*BM*BILL OF LADING NO
 N9*BN*BOOKING NO
 N9*UUI*INTERNATIONAL TRADE CFDI UUID
 CM*123S*1*KOREA KR**BOOKING****VESSEL
 N7*KCSU*123456*17136*N*****CN****4000**0****45000
 M7*SEAL NO
 REF*UNC*CONSUMER PRODUCTS A UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*15*UNSPSC DESCRIPTION*****L*7497**PLT**KOR
 REF*UNC*CONSUMER PRODUCTS B UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*20*UNSPSC DESCRIPTION*****L*9680**PLT**KOR
 REF*UNC*CONSUMER PRODUCTS C UNSPSC CODE
 N9*MTC*SAT TARIFF RATE CODE
 N10*10*UNSPSC DESCRIPTION*****L*5984**PLT**KOR
 F9**PANTACO*DF
 D9**HPH LAZARO*MH
 ...
 LX*1
 L5*1*CONSUMER PRODUCTS:(NOS)*4611110*T
 L0*1***23161*N*****K
 SE*41*9943

