KANSAS CITY SOUTHERN

Railcar
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'.
  - 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*267120001
BX*00*R*PP**KCSM*L*B*N****N
BNX*N**S
M3*R*20211119*0933*CT
N9*BM*BILL OF LADING NO**20211119*0933*CT
N7*KCSM*123456*182223*N******RR
REF*UNC*PLANCHON DE ACERO UNSPSC CODE
N10*1*UNSPSC DESCRIPTION*****L*182223**PCS
F9**BROWNSVILLE*TX
D9**LOBOS*NL
…
LX*1
L5*1*PLANCHON DE ACERO*3312260*L
L0*1***182223*N***1*PCS
PI*CT*12345***KCSM
SE*32*267120001

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

Example – KCSM Export

ST*404*105590001
BX*00*R*CC**KCSM*L*B*N****N
BNX*N**S
M3*R*20211119*0828*CT
N9*BM*BILL OF LADING NO**20211119*0828*CT
N9*UUI*INTERNATIONAL TRADE CFDI UUID
N7*KCSM*123456*172048*N*******RR****5511
REF*UNC*CHATARRA UNSPSC CODE
N9*MTC*SAT TARIFF RATE CODE
N10*1*UNSPSC DESCRIPTION UPTO 45 CHARACTERS*****L*172048**BLK
N10**ADDITIONAL UNSPSC DESCRIPTION
F9**ESCOBEDO*NL
D9**ARBELA*MS
…
LX*1
L5*1*CHATARRA DE FIERRO, UTIL SOLO PARA SER FUNDIDO*4021125*L
L0*1***172048*N***1*BLK
PI*CT*456789***KCSM
SE*34*105590001

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

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

Example – KCSM Hazardous Material

```
ST*404*798250001
BX*00*R*PP***K*B*N
BNX*N**S
M3*R*20211109*0700*CT
N9*BM*BILL OF LADING NO**20211109*0700*CT
N7*KCSX*123456*91358*N*******RR
M7*SEAL NO
REF*UNC*METHANOL UNSPSC CODE
N9*MTC*MEXICAN TARIFF RATE CODE
N9*MHC*UN1993
N10*1*UNSPSC DESCRIPTION*****K*91358**TNK
F9**TULA*HG
D9**MONTERREY*NL
…
LX*1
L5*1*LIQUIDO INFLAMABLE, N.E.P *4910564*L
L0*1***0*N***1*TNK
PI*CT*123456***KCSM
LS*7000
LH1*TK*1*UN1993**4910564*MT*1***I
LH2*3*P
LH3*FLAMMABLE LIQUIDS*D
LH3*N.O.S.*D
LFH*TEC*(METANOL)
PER*MX*EMERGENCY CONTACT*TE*01 800 0021400
LE*7000
LH6*CERTIFIED BY
SE*33*798250001
```

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

KCS 404 Example – KCSM Import

ST*404*104510001
BX*00*R*11***L*B*S
BNX*A**S
M3*R*20211109*0700*CT
N9*BM*159357**20211119*0700*CT
N7*KCSX*123456*188367*N*74600******TN
M7*456123
REF*UNC*CANOLA OIL UNSPSC CODE
N9*MTC*SAT TARIFF RATE CODE
N10*1*UNSPSC DESCRIPTION*****L*188367**TNK
F9**KANSAS CITY*MO
D9**MORELIA*MH
…
LX*1
L5*1*CANOLA OIL US RBD - 100CGVN000*2093342*T
L0*1***188367*N***1*TNK
SE*44*104510001

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