



322 EDI Implementation Guide

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Version 028

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Revision History

Last Revised	Version No.	Summary of Changes	Updated By
8/8/10	000	Initial draft	C. Tiersten
8/10/10	001	Updated Q5 notes for individual company Q5 code mappings	C. Tiersten
8/22/10	002	Updated N1_04 comment to refer to N1_03 code qualifier vs. N1_04	C. Tiersten
9/16/10	003	- Updated N1_02 maximum field length to 60 characters - Added N1_06 element (not used by CMS)	C. Tiersten
01/03/11 to 01/09/11	004	- Introduction – added explanation of TTP as CMS IT Support Vendor - Trading Partner Setup Information – added criteria to ask for Trading Partners EDI file numbering sequence rules - EDI Message Standard – - Removed comment questions. All questions related to version number and format types have been confirmed with EUO EDI team. - Changed rule 8 to state that CSM supports mapping of proprietary company codes to CMS companies’ official primary SCAC code. - Changed rule 9 to include that container only 322 files are added to CMS sightings but excluded from billable movements records. - Segment ISA, element 13 Interchange Control Number. Added rule that Senders ICN in this segment must match ICN in IEA segment. - Segment Q5 Status Details: - element 1 added “Non-standard for CMS. Manually mapped in Company/Sys. Translates Codes) for code “A” and “N” - element 1 added explanation on code “U” that this code is treated in CMS as Made Bare Chassis, i.e. dismount. - Element 1 added code “Z” = actually placed (ex. Yard location). This will be used in Phase 2. - Element 7 State or Province Code – added comment that field is not currently used by CMS - CMS internal mapping table: - Updated “AL” code to show it is mapped with Sys. Trans. Code to Chassis Untie (dismount), not Out Gate move - Updated “UR” and “UV” codes to show they are mapped with Sys. Trans. Code to Chassis Tie (mount), not In Gate move - Segment N7 Equipment Details, element 11 Equipment Description Code, added [Not used] next to codes “RR” and “TL” - Segment DTM Date/Time Reference (for Vessel Stowage Location, added comment that this segment is not used. - Segment NA Cross Reference Equipment – added example - Segment V1 Vessel Information. Added example and note that this segment will be used in Phase 2. - Segment R4 Port or Terminal. Added note that Function Code 5 Activity Location will be mapped to a CMS location code. - Segment N3 Address, added comment that this segment is not used by CCM.	

Last Revised	Version No.	Summary of Changes	Updated By
		- Segment N4 Geographic Location, added comment that this segment is not used by CCM. - Segment N9 Reference Information, element 1 Reference Number Qualifier, added codes "OB", "P8" "UT", "WY", and "YS" - Appendix Suspense Reasons – added introduction to section and added additional suspense reasons from latest version of CMS. - Appendix Reject Reasons – added introduction to section and added additional reject reasons from latest version of CMS.	
01/18/11	005	- Added Q5 qualifier "G" – Repaired and/or Released from Bad Order (not used by CMS) - Added N1 qualifier "SS" – Steamship Company	C. Tiersten
02/18/11	006	Trading Partner Setup Information – Added Segment Separator table description	C. Tiersten
03/21/11	007	- Updated Table of Contents page numbers - Updated R4 segment definitions and moved processing rule to the top of the explanation. CMS processing order for R4 is process R4 5" location if found, if not process "I" if found, or else first code if not "5" or "I".	C. Tiersten
04/07/11	008	- Updated table of contents - Updated N1 segment business rules. Both N1_03 and N1_04 are conditional upon each other. If either N1_03 or N1_04 is present, then the other is required.	C. Tiersten
04/17/11	009	Added explanation to Q5 segment when code = 'NT' and 'RN'. These two movement types are not used by CMS so moves are rejected.	C. Tiersten
04/26/11	010	N9 – added additional Bill of Lading codes and New Paradigm Bill of Lading processing order if multiple B/L codes are present in the same move	C. Tiersten
05/03/11	011	Q5 – added additional activity code "D" for departed. Non-standard for CMS, needs to be setup for the Trading Partner in Sys. Trans. Codes	C. Tiersten
05/11/11	012	- N9 – added additional qualifier code "TT" for Terminal Code. Needed in SACP for trading partners with multiple locations within the same location code. Ex. R4*O*D*1601*CHARLESTON,SC~ and then N9 is used to identify Wando Terminal or North Charleston. - R4_06 Terminal Name and R4_07 Pier Name – added as used codes to augment location mapping for trading partners with multiple facilities within the same geographic location code such as GPA which has both Garden City and Ocean Terminal within the same R4*D*1703*SAVANNAH, GA location code. - N1_03 – Added translation codes for Trucker Qualifier codes to allow for mapping codes other than "2" SCAC to mean trucker, such as "93", "94" and "ZZ".	C. Tiersten
05/18/11	013	Updated Q5_01 – Activity type "Z" for actually placed in the yard (usually sent as part of a yard check) is not currently used by	C. Tiersten

Last Revised	Version No.	Summary of Changes	Updated By
		CCM. It may be used in the future but currently any EDI moves with activity type "Z" are rejected.	
05/27/11	014	- Trading Partner Setup – Added placeholder for updated list of segment separators. Waiting on EUO feedback. - ISA – updated Maximum Use: 1 to Maximum Use: 1 per ISA / IEA combination - N7 – Added "CZ" Refrigerated Container Code. Will be processed with same rules as "CN" Container rules. - R4 Segment – Updated R4 processing order for enhanced mapping changes in 05/30/11 release. - N1 – Updated for additional logic to accept N1_03 codes of '93','94','ZZ' and treat subsequent code in N1_04 as a SCAC code if N1_01 = 'MC'. In addition, added rule that the N1_03 is only validated for shipper and consignee to ensure the code supplied is a valid code for ANSI X12 standard. SCACs are not used for Shipper or Consignee mapping. - N9 – updated to include in Traditional Co-Op EDI processing as well as New Paradigm	C. Tiersten
05/31/11	015	Trading Partner Setup – updated list of separators.	C. Tiersten
09/02/11	016	N1_03 – Added "25" as code system will process and check for Trucker SCAC if N1_04 is four character code.	C. Tiersten
10/10/11	017	- R4_07 – updated description - Updated segment separator codes	C. Tiersten
06/05/12	018	W2 updates	M. Tiersten
04/15/13	019	N9 – updated the Reference number population hierarchy	J. Simon
03/18/14	020	N7_18 Equipment Check Digit – updated to "Stored if provided but not validated or used"	C. Tiersten
03/19/14	021	Q5_01_Updated to permit 'CA' in the field for cancelled moves	K.Odonnell
06/28/14	022	- H1 Segment: Removed the looping validation from the H1 Segment - Invalid Flash Point Format- removed all EDI validations for the H1 segment - L0 segment: CMS will no longer process the L0 segment validating for Hazardous Cargo Details - N9 Looping-: CMS will ignore additional N9 segments after the 10th one- N9 segments can be found into a 'Loop ID – N7'. - N9 segment details: CMS will no longer require N9 segments to have details - N7_15 segment: Removed all EDI validations for the N7_15 element. Permit a value of "0" in the equipment length field. - V1 segment: Removed all EDI validations from the V1 segment. CMS does not capture Vessel details, so these elements are not needed.	K.Odonnell
02/16/15	023	Updated comment for N9_01 = "TT" as used by CMS if Terminal	C. Tiersten

Last Revised	Version No.	Summary of Changes	Updated By
		Name (N9_02) is mapped in CMS External Location mapping. 2. Special Ext. Location Mappings – If Trading Partner has Two Locations <i>These code mappings are for exceptions and <u>only</u> need to be done if a Trading Partner has the two terminals.</i> >> External Location Mappings for Terminal Name (N9_02) if N9_01 = "TT"	
03/11/15	024	Updated for TTPSI04948 – Process Bad Order and Good Order 322 moves. Remove Q5*B (bad order) and Q5*G (good order) from Rejected Move Types if unit is valid pool unit and still on terminal and not in use (not mounted).	C. Tiersten
04/20/16	025	- Updated for cancellation of TTPSI04948 change. - Updated for addition of Q5-01 "CA" cancelled move.	C. Tiersten
07/06/16	026	- Updated N7-04 for "A6" code. Used by several trading partners for SOLAS Verified Gross Mass (VGM). - Updated W2-14. Used by BKR011 if equals "OWN"	
08/19/16	027	Removed the need for a N7-04 weight qualifier if the N7-03 Weight is 0	K. O'Donnell
06/05/18	028	(Future release) Added more W2-05 accepted codes to be included in second half of 2018.	C. Tiersten
06/19/18	029	Added explanation to N9 order of processing for populating the movement Bill of Lading number versus the order in which the movement's booking or bill of lading number is used to match to a Declaration / Exception Reference Number.	C. Tiersten

Introduction

322 Implementation Guide: Terminal Operations and Intermodal Ramp Activity

This 322 EDI Implementation Guide is the standard for 322 message exchange between all Consolidated Chassis Management, LLC (CCM) chassis pools and the pools' 322 Trading Partners.

This guide is effective with the start of each CCM pool's conversion to CCM's new chassis management system www.chassismanagementsystem.com.

CCM requires that all CCM pool locations be able to send gate in/out and on terminal (mount, dismount) transactions via an EDI 322 message. Preferably all gate and on terminal activity 322s for the Trading Partner will be sent to CCM but, at minimum, all transactions for CCM pool chassis (bare and loaded) must be sent.

Consolidated Chassis Management, LLC will transmit and accept the 322 transaction published by Data Interchange Standards Association (DISA) for ASC X12. The following guidelines identify unique requirements for use of the ASC X12 322 transaction set when transmitting or receiving with CCM.

For questions about CCM's EDI standards, please contact CCM's IT Support Vendor:

Help Desk
TransTech Partners, LLC
1.973.866.0233
support@ttp-support.com

Trading Partner Setup Information

EDI with CCM's Chassis Management System is through File Transfer Protocol (FTP). The system supports FTP Push or Pull which will be determined on a case by case basis during each Trading Partner's setup.

The following information is required for FTP Setup:

- Line Break Code identifier
- Field Separator identifier
- Segment Separator identifier

Currently accepted separator codes:

Line Break Code	Description	Code
	<Enter>	[CR][LF]
	None	None
	<Enter(\n)>	[LF]
	<...Enter(\r\n)>	...[CR][LF]
	<~Enter(\r\n)>	~[CR][LF]
Field Separator	*	*
Segment Separator	<Enter>	[CR][LF]
	~	~
	<Enter(\n)>	[LF]
	<...Enter(\r\n)>	...[CR][LF]
	<~Enter(\r\n)>	~[CR][LF]
	<~Enter(\n)>	~[LF]
	<Enter(\r)>	[CR]
	\$	\$
	?	?
	<AEnter(\r\n)>	<AEnter(\r\n)>

- Server IP Address
- Port
- User ID
- Password
- FTP Folder/Path

- File Numbering rules:
 - are files numbered sequentially?
 - If so, when do file numbers get re-set / recycled starting at original number?

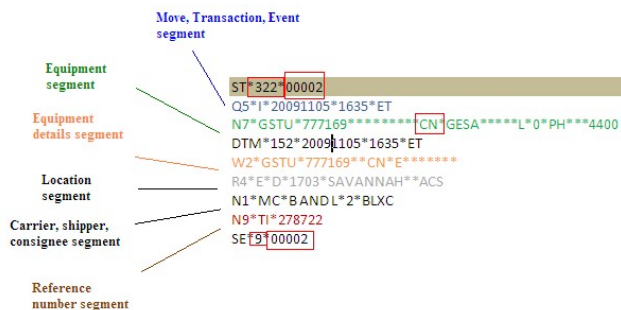
Information	FTP	Menu ▼
Company: CCM		
FTP EDI		
		* FTP Type:
		* EDI Message:

EDI Message Standard

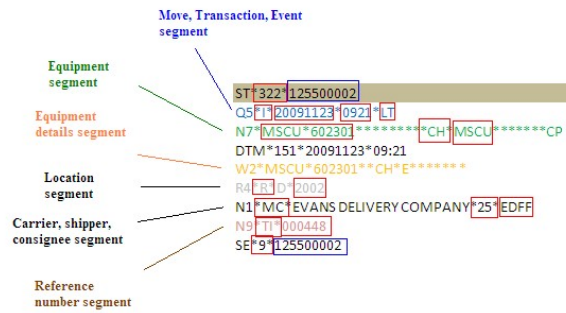
Standard:	ANSI X12	ANSI Standards Group, ASC X12 Committee
Version:	004010	ANSI Version 4 Release 1 Sub-release 0 ASC X12
Message:	322	Terminal Operations And Intermodal Ramp Activity

Rules for all EDI type files (container, chassis and container & chassis)

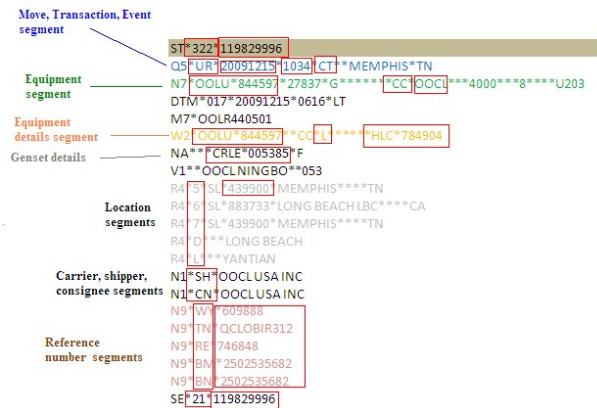
1. GS-08 Must be 004010.
2. ST-01 must be 322.
3. ST-02 must be the same with SE-02
4. ST-02 must be unique in the same file.
5. SE-01 must be the number of lines of a transaction (from SE to ST inclusive)
6. If Segment of Data Element says Not Used, this data is ignored when provided in Trading Partner's message.
7. All Data Elements must comply with the minimum/maximum data length. The minimum length can be sent or spaces can be used when the maximum length requirement is not met by the contents of the data element.
8. CMS validates all Standard Carrier Alpha Code (SCAC) against the National Motor Freight Transportation Association (NMFTA) official registered SCAC codes. CMS also supports mapping of proprietary company codes to CMS companies' official primary SCAC code.
9. Container only files must have N7-11 equal to "CN". Container prefix and number are found in N7-01 / N7-02. Container only moves are added to CMS sightings but excluded from billable chassis movement records.



10. Chassis only files must have N7-11 equal to "CH". Chassis prefix and number are found in N7-01 / N7-02.



11. Container on Chassis file must have N7-11 equal to "CC". The chassis prefix and number in this movement type are found in W2-11 / W2-12.



Sample 322s

Reference number data has been replaced with dummy data.

Gate In – Sample 1

ISA*00* *00* *ZZ*EOPS-ETERM *ZZ*DCCP
 *100802*0912*U*00401*000013519*0*P*>~
 GS*SO*EOPS-ETERM*DCCP*20100802*0912*007994268*X*004010~
 ST*322*007994268~
 Q5*I*20100802*0912*LT**SALT LAKE CITY~
 N7*FLXZ*427207*****CH*DCCP***04000**L***480***DCCP~
 DTM*140*20100802*0912*LT~
 W2*FLXZ*427207**CH*E*****N~
 R4*5*D*3303*SALT LAKE CITY*US*USSLC**UT~
 N1*MC*MOUNTAIN WEST CONTAINER SERVICES*2*MWCV~
 N3*1345 S. LEGACY VIEW~
 N4*SALT LAKE CITY*UT*84104*US*K*USSLC~
 N9*TI*999999999999~
 SE*11*007994268~
 GE*1*007994268~
 IEA*1*000013519~

Gate In – Sample 2

ISA – not shown here, part of multiple records within one file
 GS - not shown here, part of multiple records within one file
 ST*322*672550008
 Q5*I*20100801*0023*CT**LOGISTICS PARK CHIC*IL
 N7*NYKU*610671*65500*G*****CC*NYKL***4000*****U201
 M7*9999999
 W2*NYKU*610671**CC*L*****HDMZ*401430
 V1**OAS**036
 R4*5*SL*384020*LOGISTICS PARK CHIC****IL
 R4*6*SL*384020*LOGISTICS PARK CHIC****IL
 R4*7*SL*883733*LONG BEACH LBC****CA
 N1*SH*NYK INTERNATIONAL
 N1*CN*NYK INTERNATIONAL
 N1*MC**2*LJSM
 N9*WY*999999
 N9*TN*P999999
 N9*RE*ABCDEF
 N9*BM*9999999999A99BC
 N9*BN*9999999999
 SE*18*672550008
 GE - not shown here, part of multiple records within one file
 IEA - not shown here, part of multiple records within one file

Gate In with Damage – Sample 1

ISA*00* *00* *ZZ*USCMCFLEX *ZZ*DCCS
*100202*0845*U*00400*000001723*0*P*>
GS*SO*USCMCFLEX*DCCS*20100505*0845*1723*X*004010
ST*322*00003
Q5*I*20100606*0845*ET
N7*EUO*100000*****CH*DCCS*****L**PH***20BC
DTM*152*20100606*0845*ET
W2*EUO*100000**CH*E*****Y
R4*E*D*9999*LocName**CMC
N1*MC*DCCS*2*DCCS
SE*8*00003
GE*1*1723
IEA*1*000001723

Gate Out- Sample 1

ISA*00* *00* *ZZ*MWCS *ZZ*DCCP *100802*0850*U*00401*000170372*0*P*>~
GS*SO*MWCS*DCCP*20100802*0850*007994151*X*004010~
ST*322*007994151~
Q5*OA*20100802*0850*LT**SALT LAKE CITY~
N7*FLXZ*444235*****CH*APLU***04000**L***480***APLU~
DTM*140*20100802*0850*LT~
W2*FLXZ*444235**CH*E*****N~
R4*5*D*3303*SALT LAKE CITY*US***UT~
N1*MC*MOUNTAIN WEST CONTAINER SERVICES*2*MWCV~
N3*1345 S. LEGACY VIEW~
N4*SALT LAKE CITY*UT*84104*US*K*USSLC~
N9*BN*ZZZZZZ~
SE*11*007994151~
GE*1*007994151~
IEA*1*000170372~

Gate Out – Sample 2

ISA*00* *00* *02*XXXX *ZZ*CCM1 *100801*0125*U*00401*000167395*0*P*~
GS*SO*XXXX*CCM1*20100801*0125*167395*X*004010
ST*322*673950001
Q5*OA*20100801*0120*CT**CHICAGO*IL
N7*XNPZ*178944*7500*G*****CH*XNPZ***4000*****Z171
W2*XNPZ*178944**CH*E
R4*5*SL*380000*CHICAGO****IL
R4*6*SL*380000*CHICAGO****IL
R4*7*SL*380000*CHICAGO****IL
N1*SH*FVGULFCOOP00
N1*CN*FVGULFCOOP00
N1*MC*CKKI
N9*WY*N/A
N9*TN*Z999999
SE*13*673950001

GE*1*167395
IEA*1*000167395

Mount (Tie) – Sample 1

ISA*00* *00* *ZZ*MWCS *ZZ*DCCP *100802*1031*U*00401*000170431*0*P*>~
GS*SO*MWCS*DCCP*20100802*1031*007994454*X*004010~
ST*322*007994454~
Q5*CB*20100802*1031*LT**SALT LAKE CITY~
N7*TCLU*516225*****CC*APLU***04000**L***480**4500*APLU~
DTM*140*20100802*1031*LT~
W2*TCLU*516225**CC*E*****OOLZ*42478*****N~
NA*EQ*TCLU516225*OOLZ*42478*D**DCCP*****N~
R4*5*D*3303*SALT LAKE CITY*US***UT~
N9*BN*99999999~
SE*10*007994454~
GE*1*007994454~
IEA*1*000170431~

Mount (Tie) – Sample 2

ISA*00* *00* *02*XXXX *ZZ*CCM1 *100801*0332*U*00401*000167673*0*P*~
GS*SO*XXXX*CCM1*20100801*0332*167673*X*004010
ST*322*676730001
Q5*CB*20100801*0332*CT
N7*CCLU*310822*45572*N*****CC*CCLU***2000**L***102*96**XXXX
M7*Z123456
W2*CCLU*310822**CC*L**85*****TAXZ*216300
R4*5*SL*384020*LOGPARCHIIL
R4*6*SL*883000*LOSANGELECA
R4*7*SL*384020*LOGPARCHIIL
R4*M*SL*384020*LOGPARCHIIL
N1*SH*CHINA SHIPPING NORTH AMERICA
N4*TIC SEASIDE*CA
N1*N1*CHINA SHIPPING NORTH AMERICA*12*6308898699
N4*OAKBROOK*IL
N9*WY*999999
N9*SI*9999-99-99-99.99.99.999999
N9*BM*CHNJ9999999999
N9*RE*999999
N9*YS*1 -6 - 89
LO*1***35372*N***1*TLD**L*RE
SE*20*676730001
GE*1*167673
IEA*1*000167673

Dismount (Untie) – Sample 1

ISA*00* *00* *ZZ*MWCS *ZZ*DCCP *100802*0902*U*00401*000170381*0*P*>~

GS*SO*MWCS*DCCP*20100802*0902*007994200*X*004010~
ST*322*007994200~
Q5*CC*20100802*0902*LT**SALT LAKE CITY~
N7*TRLU*390264*****CC*APLU***02000**L***240**2200*APLU~
DTM*140*20100802*0902*LT~
W2*TRLU*390264**CC*E*****APLZ*173819****N~
NA*EQ*TRLU390264*APLZ*173819*D**APLU*****N~
R4*5*D*3303*SALT LAKE CITY*US***UT~
N9*TI*999999999999~
SE*10*007994200~
GE*1*007994200~
IEA*1*000170381~

Dismount (Untie) – Sample 2

ISA*00* *00* *02*XXXX *ZZ*CCM1 *100801*0042*U*00401*000167265*O*P*~
GS*SO*XXXX*CCM1*20100801*0042*167265*X*004010
ST*322*672650001
Q5*CC*20100801*0042*CT
N7*DRYU*908268*14262*N*****CN****4000**L*****XXXX
W2*DRYU*908268**CC*L**85****FLXZ*427916
R4*5*SL*384020*LOGPARCHIIL
R4*6*SL*883000*LOSANGELECA
R4*7*SL*384020*LOGPARCHIIL
R4*M*SL*384020*LOGPARCHIIL
H3*IB
N1*SH*MEDITERRANEAN SHIPPING COMPANY (USA
N4*LONG BEACH A PIER*CA
N1*N1*MEDITERRANEAN SHIPPING COMPANY (USA*12*8472967292
N9*WY*999999
N9*SI*9999-99-99-99.99.99.999999
N9*BM*AAAAAA99999
N9*RE*A999A9
N9*YS*C -70 - 24
L0*1***7262*N*64*X*549*CTN**L*RE
SE*19*672650001
GE*1*167265
IEA*1*000167265

SEGMENT ISA – Interchange Control Header

MANDATORY

Maximum Use: 1 per ISA / IEA combination

Example: ISA*00* *00* *ZZ*EOPS-ETERM *ZZ*DCCP
 *100802*0912*U*00401*000013519*0*P*>~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Authorization Information Qualifier	I01 / ID	02 / 02	M	00
2	Authorization Information	I02 / AN	10 / 10	M	
3	Security Information Qualifier	I03 / ID	02 / 02	M	00
4	Security Information	I04 / AN	10 / 10	M	
5	Interchange Sender ID Qualifier	I05 / ID	02 / 02	M	Sender's ID qualifier
6	Interchange Sender ID	I06 / AN	15 / 15	M	Sender's ID
7	Interchange Receiver ID Qualifier	I05 / ID	02 / 02	M	Receiver's ID qualifier
8	Interchange Receiver ID	I07 / AN	15 / 15	M	Receiver's ID
9	Interchange Date	I08 / DT	06 / 06	M	YYMMDD
10	Interchange Time	I09 / TM	04 / 04	M	HHMM
11	Interchange Control Standards Identifier	I10 / ID	01 / 01	M	U = US EDI Community of ASC X12, TDCC, and UCS
12	Interchange Control Version Number	I11 / ID	05 / 05	M	00401 = X12 version 4010
13	Interchange Control Number	I12 / NO	09 / 09	M	Sender's interchange control number Sender's interchange control number, this number must match the number sent in the IEA segment
14	Acknowledgement Requested	I13 / ID	01 / 01	M	0 = No acknowledgement needed 1 = Acknowledgement requested
15	Usage Indicator	I14 / ID	01 / 01	M	P = Production T = Test
16	Component Element Separator	I15 /	01 / 01	M	In this example, the trading partner uses an " * ". Other separators are supported such as " ~ ". <i>The separators are reviewed on a case by case basis during each Trading Partner's</i>

#	Name	Data Element # / Type	Min/Max	REQ	Description
					<i>setup.</i>

SEGMENT GS – Functional Group Header

MANDATORY

Maximum Use: 1

Example:

GS*SO*EOPS-ETERM*DCCP*20100802*0912*007994268*X*004010~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Functional Identifier Code	479 / ID	02 / 02	M	SO = 322
2	Application Sender ID	142 / AN	02 / 15	M	Sender's ID
3	Application Receiver ID	124 / AN	02 / 15	M	Receiver's ID
4	Group Date	373 / DT	08 / 08	M	YYYYMMDD of transmission
5	Group Time	337 / TM	04 / 04	M	HHMM of transmission
6	Group Control Number	28 / N0	01 / 09	M	Sender's message control number
7	Agency Code	455 / ID	01 / 02	M	X = ASC X12
8	Version	480 / AN	01 / 12	M	004010 = Sender's transmission standard version.

SEGMENT ST – Transaction Set Header

MANDATORY

Maximum Use: 1 per transaction set

Example:

ST*322*007994268~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Transaction Set Identifier Code	143 / ID	03 / 03	M	322
2	Transaction Set Control Number	329 / AN	04 / 09	M	Sender's message control number

SEGMENT ZC1 – Beginning Segment For Data Correction Or Change

OPTIONAL

Maximum Use: 1 per transaction set

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Shipment ID Number	145 / AN	01 / 30	O	Not used.
2	Equipment Initial	206 / AN	01 / 04	O	Not used.
3	Equipment Number	207 / AN	01 / 10	M	Not used.
4	Transaction Reference Number	244 / AN	01 / 15	M	Not used.
5	Transaction Reference Date	243 / DT	08 / 08	M	Not used.
6	Correction Indicator	202 / ID	02 / 02	M	Not used.
7	Standard Carrier Alpha Code	140 / ID	02 / 04	M	Not used.
8	Transport Type Code	91 / ID	01 / 02	M	Not used.

SEGMENT Q5 – Status Details

MANDATORY

Maximum Use: 1 per transaction set

Example:

Q5*I*20100802*0912*LT**SALT LAKE CITY~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Status Code	157 / ID	01 / 02	O	A = Arrived (Non-standard for CMS. Manually mapped in Company/Sys. Translates Codes) AL = Loaded on rail AM = Loaded on truck AR = Rail Arrival at Destination Intermodal Ramp B = Bad Order (Not used by CMS. TTPSI04948 cancelled) CA = Shipment Cancelled CB = Mount (Chassis Tie) CC = Dismount (Chassis Untie) D = Departed (Non-standard for CMS. Manually mapped in Company/Sys. Translates Codes) G = Repaired and / or Released from Bad Order (e.g Good Order. Not used by CMS. TTPSI04948 cancelled) I = In gate L = Loading shipment (Shipment is being loaded at a carrier's terminal or facility) N = In Gate (Non-standard for CMS. Manually mapped in Company/Sys. Translates Codes) NT = Notification. Notify party at destination has been notified (not used by CMS) OA = Out gate P = Departed terminal location RL = Rail Departure from Origin Intermodal Ramp RN = Renotification. Notify party at destination has been renotified (not used by CMS) U = Unloading Shipment being unloaded (treated in CMS as Made Bare Chassis, i.e. dismount) UR = Unloaded from rail car UV = Unloaded from vessel CA= Cancelled Move Z = Actually Placed (ex. yard location). Not currently used by CMS. May be used in the future.
2	Date	373 / DT	08 / 08	O	YYYYMMDD of status <i>Cannot be a future date.</i>
3	Time	337 / TM	04 / 04	C	HHMM of move time
4	Time Code	623 / ID	02 / 02	C	Time zone of move: AT = Alaskan

#	Name	Data Element # / Type	Min/Max	REQ	Description
					CT = Central ET = Eastern LT = Local (default Local Time of Facility) MT = Mountain NT = Newfoundland PT = Pacific TT = Atlantic
5	Status Reason Code	641 / ID	03 / 03	O	Not used
6	City Name	19 / AN	02 / 30	C	Location of status update
7	State or Province Code	156 / ID	02 / 02	O	Not used
8	Country Code	26 / ID	02 / 03	O	Not used
9	Equipment Initial	206 / AN	01 / 04	O	Not used
10	Equipment Number	207 / AN	01 / 10	O	Not used
11	Reference Number Qualifier	128 / ID	02 / 03	C	Not used
12	Reference Number	127 / AN	01 / 30	C	Not used
13	Direction ID Code	1280 / ID	01 / 01	O	Not used
14	Reference Number Qualifier	128 / ID	02 / 03	C	Not used
15	Reference Number	127 / AN	01 / 30	C	Not used
16	Direction ID Code	1280 / ID	01 / 01	O	Not used
17	Percent	954 / R	01 / 10	O	Not used
18	Pick-up Delivery Code	108 / ID	01 / 02	O	Not used

****CMS internal movement mapping table from Q5-01 Data Element:**

If a Trading company uses different codes, they can ONLY be mapped to the codes below.
The combination Q5-01 + N7-11 + W2-05 will give the CMS Activity type.

#	Status Code	Description	Mapped to CMS Movement Type(s)
			Currently mapped with System Translates Code to Chassis Untie (dismount)
			(same as above)
	AL	Loaded on Rail	(same as above)
	AM	Loaded on Truck	Mount with empty container
	AR	Rail Arrival at Destination Intermodal Ramp	In rail with loaded container (TOFC)

#	Status Code	Description	Mapped to CMS Movement Type(s)
			In rail with empty container (TOFC)
	CB	Chassis Tie	Mount with loaded container
			Mount with empty container
	CC	Chassis Un-Tie	Made Bare chassis (dismount)
			In gate with loaded container
			In gate with empty container
	I	In-Gate	In gate bare
			Mount with loaded container
	L	Loading Shipment	Mount with empty container
			Out gate full container
			Out gate empty container
	OA	Out-Gate	Out gate bare
			Out gate full container
			Out gate empty container
	P	Departed Terminal Location	Out gate bare
			Out rail full container (TOFC)
	RL	Rail Departure from Origin Intermodal Ramp	Out rail empty container (TOFC)
	U	Unloading Shipment being unloaded	Made Bare chassis (dismount)
	UR	Unloaded from a Rail Car	Currently set up with System Translates Code to map to Chassis Tie (mount)
	UV	Unloaded From Vessel	Currently set up with System Translates Code to map to Chassis Tie (mount)

SEGMENT N7 – Equipment Details

MANDATORY

Maximum Use: 1 loop per transaction set

Example:

N7*FLXZ*427207*****CH*DCCP***04000**L***480***DCCP~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Equipment Initial	206 / AN	01 / 04	M	Equipment initial
2	Equipment Number	207 / AN	01 / 06	M	Equipment number
3	Weight	81 / R	01 / 10	O	Not used but if supplied and value is not zero, must also supply N7-04 Weight Qualifier.
4	Weight Qualifier	187 / ID	01 / 02	C	Not used but if N7-03 Weight is supplied and value is not 0, then N7-04 must also be supplied. Added "A6" code to allowed codes. "A6" was added by several U.S. Trading Partners in June 2016 for SOLAS Verified Gross Mass (VGM).
5	Tare Weight	167 / N0	03 / 08	C	Not used
6	Weight Allowance	232 / N0	02 / 06	O	Not used
7	Dunnage	205 / N0	01 / 06	O	Not used
8	Volume	183 / R	01 / 08	C	Not used
9	Volume Unit Qualifier	184 / ID	01 / 01	C	Not used
10	Ownership Code	102 / ID	01 / 01	O	Not used
11	Equipment Description Code	40 / ID	02 / 02	O	CC = Container on chassis CH = Chassis CN = Container CZ = Refrigerated Container (processed with same rules as 'CN' Container) RR = Railcar [Not used] TL = Trailer [Not used]
12	Standard Carrier Alpha Code	140 / ID	02 / 04	O	SCAC (Of the Using Line Company)
13	Temperature Control	319 / AN	03 / 06	O	Not used
14	Position	219 / AN	01 / 03	O	Not used
15	Equipment Length	567 / N0	04 / 05	O	Format is feet/inches: 40 ft. = 4000 or 0400. ON 6/28/2014: Removed all EDI validations for the N7_15 element. CMS will now permit a value of "0" in the

#	Name	Data Element # / Type	Min/Max	REQ	Description
					equipment length field.
16	Tare Qualifier Code	571 / ID	01 / 01	C	Not used
17	Weight Unit Code	188 / ID	01 / 01	O	L = Pounds
18	Equipment Check Digit	761 / N0	01 / 01	O	Stored if provided but not validated or used.
19	Type of Service Code	56 / ID	02 / 02	O	Not used but validated against 4010 standard if populated
20	Height	65 / R	01 / 08	O	Not used
21	Width	189 / R	01 / 08	O	Not used
22	Equipment Type	24 / ID	04 / 04	O	Code identifying equipment's ISO size & type
23	Standard Carrier Alpha Code	140 / ID	02 / 04	O	SCAC
24	Car Type Code	301 / ID	01 / 04	O	Not used

SEGMENT V4 – Cargo Location Reference

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Vessel Stowage Location	877 / AN	01 / 12	M	

SEGMENT DTM – Date/Time Reference

OPTIONAL

Maximum Use: 2 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Date/Time Qualifier	374 / ID	03 / 03	M	017 = Estimated delivery 069 = Promised for delivery 140 = Actual
2	Date	373 / DT	08 / 08	C	YYYYMMDD
3	Time	337 / TM	04 / 04	C	HHMM
4	Time Code	623 / ID	02 / 02	C	AT = Alaskan CT = Central ET = Eastern LT = Local MT = Mountain NT = Newfoundland PT = Pacific TT = Atlantic
5	Date/Time Format Qualifier	1250 / ID	02 / 02	O	Not used
6	Date/Time Period	1251 / AN	01 / 35	C	Not used

SEGMENT M7 – Seal Numbers

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Seal Number	225 / AN	02 / 15	M	Not used
2	Seal Number	225 / AN	02 / 15	O	Not used
3	Seal Number	225 / AN	02 / 15	O	Not used
4	Seal Number	225 / AN	02 / 15	O	Not used
5	Entity ID Code	98 / ID	02 / 03	O	Not used

SEGMENT W09 – Equipment and Temperature

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Equipment Description Code	40 / ID	02 / 02	M	Not used
2	Temperature	408 / R	01 / 04	C	Not used
3	Unit/Basis For Measurement Code	355 / ID	02 / 02	C	Not used
4	Temperature	408 / R	01 / 04	C	Not used
5	Unit/Basis For Measurement Code	355 / ID	02 / 02	C	Not used
6	Free-Form Message	3 / AN	01 / 60	O	Not used
7	Vent Set Code	1122 / ID	01 / 01	O	Not used
8	Percent	488 / NO	01 / 03	O	Not used
9	Quantity	380 / R	01 / 15	O	Not used

SEGMENT W2 – Equipment Identification

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

W2*FLXZ*427207**CH*E*****N~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Equipment Initial	206 / AN	01 / 04	M	Equipment initial
2	Equipment Number	207 / AN	01 / 06	M	Equipment number
3	Commodity Code	22 / AN	01 / 30	O	Not used
4	Equipment Description Code	40 / ID	02 / 02	M	CC = Container on chassis CH = Chassis CN = Container RR = Railcar TL = Trailer
5	Equipment Status Code	578 / ID	01 / 02	M	E = Empty L = Load To be added second half 2018: W = Revenue Empty AA = Empty and Available at Pool AB = Out Empty to Pick Up Cargo from the Shipper AC = Loaded enroute to port of loading or baseport AH = Loaded enroute to consignee AI = Stripped and enroute to pool from a consignee AJ = Empty Positioning AL = Empty Non-hazardous Last Contained <i>If the move is chassis only, use "E".</i>
6	Net Tons	577 / NO	01 / 03	O	Not used
7	Intermodal Service Code	177 / ID	01 / 02	O	Not used
8	Car Service Order Code	240 / ID	03 / 05	O	Not used
9	Date	373 / DT	08 / 08	C	Not used
10	Type of Locomotive Maintenance Code	502 / AN	02 / 02	C	Not used
11	Equipment Initial	206 / AN	01 / 04	C	Used when W204 = "CC". This will be the chassis initial.
12	Equipment Number	207 / AN	01 / 06	C	Used when W204 = CC. This will be the chassis number.
13	Equipment Check Digit	761 / NO	01 / 01	O	Not used
14	Position	219 / AN	01 / 03	O	Used by BKR011 if equals "OWN"
15	Car Type Code	301 / ID	01 / 04	O	Not used

#	Name	Data Element # / Type	Min/Max	REQ	Description
16	Yes/No Condition or Response Code	1073 / ID	01 / 01	O	Damage Indicator - Possible values Y and N. If not present, defaulted to N.
17	AEI Tag Status Code	1554 / ID	01 / 01	O	Not used
18	Equipment Orientation	1543 / ID	01 / 01	O	Not used

SEGMENT NA – Cross-Reference Equipment

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

NA*EQ*APHU617798*FLXZ*433719*D**APLU****N~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Reference Number Qualifier	128 / ID	02 / 03	O	Not used
2	Reference Number	127 / AN	01 / 30	C	Not used
3	Equipment Initial	206 / AN	01 / 04	M	Genset prefix
4	Equipment Number	207 / AN	01 / 06	M	Genset number
5	Cross Reference Type Code	231 / ID	01 / 01	O	F = Conveying flat car
6	Position	219 / AN	01 / 03	O	Not used
7	Standard Carrier Alpha Code	140 / ID	02 / 04	O	Not used
8	Equipment Length	567 / NO	04 / 05	O	Not used
9	Standard Carrier Alpha Code	140 / ID	02 / 04	O	Not used
10	Chassis Type	845 / ID	02 / 02	O	Not used
11	Yes/No Condition or Response Code	1073 / ID	01 / 01	O	Not used

SEGMENT GR5 – Loading Details

OPTIONAL

Maximum Use: 10 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Special Handling Code	152 / ID	02 / 03	M	Not used
2	Surface/Layer or Position Code	752 / ID	02 / 02	C	Not used
3	Measurement Value	739 / R	01 / 20	C	Not used
4	Unit/Basis For Measurement Code	355 / ID	02 / 02	C	Not used
5	Status Reason Code	641 / ID	03 / 03	O	Not used

SEGMENT Y7 – Priority

OPTIONAL

Maximum Use: 1 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Priority	467 / N0	01 / 01	O	Not used
2	Priority Code	470 / N0	01 / 01	C	Not used
3	Priority Code Qualifier	471 / AN	01 / 01	C	Not used
4	Port Call File Number	468 / N0	04 / 04	O	Not used
5	Date	373 / DT	08 / 08	O	Not used

SEGMENT V1 – Vessel Information

OPTIONAL

Maximum Use: 1 per N7 loop

6/28/2014: Removed all EDI validations from the V1 segment. CMS does not capture Vessel details, so these elements are not needed.

Example:

V1MSC JUDITH**O1101R** (Phase 2)

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Vessel Code	597 / ID	01 / 08	C	Not used
2	Vessel Name	182 / AN	02 / 28	C	Not used
3	Country Code	26 / ID	02 / 03	O	Not used
4	Flight / Voyage Number	55 / AN	02 / 10	O	Not used
5	Standard Carrier Alpha Code	140 / ID	02 / 04	O	Not used
6	Vessel Requirement Code	249 / ID	01 / 01	O	Not used
7	Vessel Type Code	854 / ID	02 / 02	O	Not used
8	Vessel Code Qualifier	897 / ID	01 / 01	O	Not used
9	Transport Type Code	91 / ID	01 / 02	O	Not used

SEGMENT R4 – Port or Terminal

MANDATORY

Maximum Use: 6 loops per N7 loop (N7/R4 loop)

Example:

R4*5*SL*384020*LOGPARCHIIL

R4*6*SL*883000*LOSANGELECA

R4*7*SL*384020*LOGPARCHIIL

R4*M*SL*384020*LOGPARCHIIL

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Port or Terminal Function Code	115 / ID	01 / 01	M	CMS processing order is as follows: - If R4_01 = '5' then use it

#	Name	Data Element # / Type	Min/Max	REQ	Description
					- If R4_01 = 'I' then use it - If R4_01 = 'R' then use it Else pick up the first R4 code and use it 1 = Final port of discharge 2 = Collect Charge Location (Operational) Place at which collect charges are paid 3 = Customs Office of Manifest Origin 4 = Customs Office of Manifest Destination 5 = Activity location (will be mapped to a CMS location code) 6 = Origin Rail Intermodal Terminal 7 = Destination Rail Intermodal Terminal A = Place of Acceptance (Operational) Place at which carrier actually accepts cargo from shipper or his agent B = Reconsolidation Point (Operational) Place at which loose or other noncontainerized cargo is regrouped for further carriage C = De-Consolidation Point (Operational) Place at which loose or other noncontainerized cargo is ungrouped for delivery D = Port of Discharge (Operational) Port at which cargo is unloaded from vessel E = Place of Delivery (Contractual) Place at which cargo leaves its care and custody of carrier F = Freight Payable At (Contractual) Carrier's location of collection of freight G = Port of Entry (Operational) Place at which cargo actually enters a country where the cargo is not part of its commerce H = Port of Exit (Operational) Place at which cargo actually leaves a country where the cargo is not part of its commerce I = Interim Point (Operational) Place at which cargo is transferred from one inland means of transport to another J = Bill of Lading Port of Loading (Contractual) Place at which cargo is loaded on board the means of transport K = Bill of Lading Port of Discharge (Contractual) Place at which cargo is discharged from means of transport L = Port of Loading (Operational) Port at which cargo is loaded on vessel M = Destination (Operational)

#	Name	Data Element # / Type	Min/Max	REQ	Description
					Place at which carrier actually turns cargo to consignee or his agent N = Final Destination (Operational) Consignee's facility at which shipment ends its movement at cargo's expense O = Origin (Operational) Shipper's facility at which shipment begins its movement at cargo's expense P = Dispatching Pool (Operational) Place from which equipment is dispatched Q = Bill of Lading Origin of Goods (Contractual) Origin of goods or shipments, or both as denoted on bill of lading R = Place of Receipt (Contractual) Place at which cargo enters the care and custody of carrier S = Return Pool (Operational) Place at which equipment is returned T = Transshipment Port (Contractual) Place at which cargo is transferred to another carrier V = Prepaid Charge Location (Operational) Place at which prepaid charges are paid W = Bill of Lading Release Office (Operational) Place at which original bills of lading are released to the shipper or his agent Y = Relay Port (Operational) Port at which cargo is transferred from one vessel to another
2	Location Qualifier	309 / ID	01 / 02	C	D = Census Schedule D K = Census Schedule K SL = U.S. SPLC UN = United Nations Location Code (UNLOCODE)
3	Location Identifier	310 / AN	01 / 30	C	Code which identifies location <i>The location found in this segment must be a valid location for the pool that the chassis is cooped into.</i> <i>Must be a code mapped to a CMS External Location for a Company location.</i>
4	Port Name	114 / AN	02 / 24	O	Location name where Intermodal Equipment Provider originates or terminates its shipments
5	Country Code	26 / ID	02 / 03	O	Country of the location
6	Terminal Name	174 / AN	02 / 30	O	Name of Terminal. Used for mapping when more than one terminal is located within the same location code such as D*1703*SAVANNAH, GA**OCEAN TERMINAL*OT Entering the R4_06 code from the raw data in the Terminal Name field.

#	Name	Data Element # / Type	Min/Max	REQ	Description
					- If no value, leave blank. - If a value is entered and R4 flag = on, CMS will look for an exact match in the EDI.
7	Pier Number	113 / AN	01 / 04	O	Name of Pier. Used for mapping when more than one terminal is located within the same location code such as D*1703*SAVANNAH, GA**OCEAN TERMINAL**99 Entering the R4_07 code and R4 flag = on from the raw data in the Pier # field. - If no value, leave blank. - If a value is entered, CMS will look for an exact match in the EDI.
8	State or Province Code	156 / ID	02 / 02	O	State or Province

SEGMENT DTM – Date/Time Reference

OPTIONAL

Maximum Use: 15 per N7/R4 loop

Example:

This segment is not used by CCM in the R4 loop.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Date/Time Qualifier	374 / ID	03 / 03	M	Not used
2	Date	373 / DT	08 / 08	C	Not used
3	Time	337 / TM	04 / 04	C	Not used
4	Time Code	623 / ID	02 / 02	C	Not used
5	Date/Time Format Qualifier	1250 / ID	02 / 02	O	Not used
6	Date/Time Period	1251 / AN	01 / 35	C	Not used

SEGMENT H3 – Special Handling Instructions

OPTIONAL

Maximum Use: 2 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Special Handling Code	152 / ID	02 / 03	C	Not used
2	Special Handling Description	153 / AN	02 / 30	C	Not used
3	Protective Service Code	241 / ID	01 / 04	O	Not used

#	Name	Data Element # / Type	Min/Max	REQ	Description
4	Vent Instruction Code	242 / ID	01 / 07	O	Not used
5	Tariff Application Code	257 / ID	01 / 01	O	Not used

SEGMENT N1 – Name

OPTIONAL

Maximum Use: 6 loops per N7 loop (N7/N1 loop)

Example:

N1*SH*NYK INTERNATIONAL

N1*CN*NYK INTERNATIONAL

N1*MC**2*LJSM

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Entity ID Code	98 / ID	02 / 03	M	CN = Consignee MC = Motor carrier SH = Shipper SS = Steamship Company (Accepted, Not Used) N1 = Notify Party (Accepted, Not Used)
2	Name	93 / AN	01 / 60	C	Free-form name of Company
3	ID Code Qualifier	66 / ID	01 / 02	C	If either N1_03 or N1_04 is present, then the other is required. For example, 2 = Standard Carrier Alpha Code (SCAC) If N1_01 = 'MC' (Motor Carrier), CMS will process N1_03 = "25", '93', '94', 'ZZ' as being SCAC. If N1_01 = 'SH' or 'CN', only the N1_02 is used to determine Shipper / Consignee. The N1_03 is only checked to ensure the code supplied is a valid code found in the ANSI X12 EDI Codes list. SCACs are not used for Shipper or Consignee mapping.
4	ID Code	67 / AN	02 / 80	C	If either N1_03 or N1_04 is present, then the other is required. For example, "BTM" = Standard Carrier Alpha Code (SCAC)Code if N1_03 contains a "2"
5	Entity Relationship Code	706 / ID	02 / 02	O	Not used
6	Entity Identifier Code	98 / ID	02/03	O	Not used

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SEGMENT N3 – Address

OPTIONAL

Maximum Use: 2 per N7/N1 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Address Information	166 / AN	01 / 55	M	Street Address 1 for N1 Company
2	Address Information	166 / AN	01 / 55	O	Not used

SEGMENT N4 – Geographic Location

OPTIONAL

Maximum Use: 2 per N7/N1 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	City Name	19 / AN	02 / 30	O	Name of City where Company in N1 segment is located
2	State or Province Code	156 / ID	02 / 02	O	Code which identifies State or Province associated with City Name
3	Postal Code	116 / ID	03 / 15	O	Postal Code associated with City
4	Country Code	26 / ID	02 / 03	O	Code which identifies Country
5	Location Qualifier	309 / ID	01 / 02	C	D = Census Schedule D K = Census Schedule K SL = U.S. SPLC UN = United Nations Location Code (UNLOCODE)
6	Location Identifier	310 / AN	01 / 30	O	Code which identifies location

SEGMENT K1 – Remarks

OPTIONAL

Maximum Use: 2 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Free-Form Message	61 / AN	01 / 30	M	1
2	Free-Form Message	61 / AN	01 / 30	O	2

SEGMENT N9 – Reference Information**OPTIONAL**

6/28/2014: CMS will no longer require N9 segments to have details. CMS will ignore additional N9 segments after the 10th one- N9 segments can be found into a 'Loop ID - N7'.

Example:

N9*WY*999999

N9*SI*9999-99-99-99.99.99.999999

N9*BM*AAAAAA999999

N9*RE*A999A9

N9*YS*C -70 - 24

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Reference Number Qualifier	128 / ID	02 / 03	M	BN = Booking number P8 = Pickup Reference Number RE = Release number SI = Shipping Instruction TI = TIR Number TN = Transaction reference number TT = Terminal Code (used if N9_02 Terminal Name is mapped in CMS Company External Location Codes) UT = Unit train ID (Phase 2?) WO = Work Order Number WY = Waybill number (Phase 2?) YS = Yard Position BL : Government Bill of Lading (NP) BM : Bill of Lading Number (NP) MB : Master Bill of Lading (NP) TB : Trucker's Bill of Lading (NP) OB = Ocean Bill of Lading Number (NP) A movement record can have more than one Bill of Lading Code for the same move. The Bill of Lading field in the CMS movement will review all the N9 bill of lading types for the record and select one in the following order: • If there is a 'BM' then use 'BM', • If no "BM" but an 'OB' then use 'OB', • If none of the above but a 'BL' then use 'BL' • If none of the above but a 'MB' then use 'MB'

#	Name	Data Element # / Type	Min/Max	REQ	Description
					- If none of the above but a 'TB' then use 'TB'. When matching a stored booking or bill of lading number on a movement to a Declaration / Exception Reference Number, in New Paradigm (NP), the processing order will be: - if "BN" then use "BN" - if 'BL' then use 'BL' - if 'BM' then use 'BM' - if 'OB' then use 'OB' - if 'MB' then use 'MB' - if 'TB' then use 'TB' - if 'P8' then use 'P8' - if 'RE' then use 'RE' <i>If more than one match was found then the application will populate the Reference Number Field using the following format: "[First Reference Number Matched] + '/' + [Second Reference Number Matched]" and then suspending the move with the following reason: 'Duplicate Reference Number match'.</i>
2	Reference Number	127 / AN	01 / 30	C	Reference number associated with qualifier sent. <i>If the move has a Work Order number in N9-01, the Carrier found in N1-MC must match the company awarded the WO Repo Service in CMS.</i>
3	Free-Form Description	369 / AN	01 / 45	C	Not used
4	Date	373 / DT	08 / 08	O	Not used
5	Time	337 / TM	04 / 04	O	Not used
6	Time Code	623 / ID	02 / 02	O	Not used
7	Reference Number Qualifier	128 / ID	02 / 03	O	Not used

SEGMENT L0 – Line Item, Quantity, and Weight

OPTIONAL

Maximum Use: 1 loop per N7 loop (N7/L0 loop)

6/28/2014: CMS will no longer process the L0 segment validating for Hazardous Cargo Details

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Lading Line Item Number	213 / N0	01 / 03	O	Not used
2	Billed/Rated-As Quantity	220 / R	01 / 11	C	Not used
3	Billed/Rated-As Qualifier	221 / ID	02 / 02	C	Not used
4	Weight	81 / R	01 / 10	C	Not used
5	Weight Qualifier	187 / ID	01 / 02	C	Not used
6	Volume	183 / R	01 / 08	C	Not used
7	Volume Unit Qualifier	184 / ID	01 / 01	C	Not used
8	Lading Quantity	80 / N0	01 / 07	C	Not used
9	Packaging Form Code	211 / ID	03 / 03	C	Not used
10	Dunnage Description	458 / AN	02 / 25	O	Not used
11	Weight Unit Code	188 / ID	01 / 01	O	Not used
12	Type of Service Code	56 / ID	02 / 02	O	Not used
13	Quantity	380 / R	01 / 15	C	Not used
14	Packaging Form Code	211 / ID	03 / 03	O	Not used
15	Yes/No Condition or Response Code	1073 / ID	01 / 01	C	Not used

SEGMENT L5 – Description, Marks, and Numbers

OPTIONAL

Maximum Use: 1 per N7/L0 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Lading Line Item Number	213 / N0	01 / 03	O	Not used
2	Lading Description	79 / AN	01 / 50	O	Not used
3	Commodity Code	22 / AN	01 / 30	C	Not used
4	Commodity Code Qualifier	23 / ID	01 / 01	C	Not used
5	Packaging Code	103 / AN	03 / 35	O	Not used
6	Marks and Numbers	87 / AN	01 / 48	C	Not used
7	Marks and Number Qualifier	88 / ID	01 / 02	O	Not used

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#	Name	Data Element # / Type	Min/Max	REQ	Description
8	Commodity Code Qualifier	23 / ID	01 / 01	C	Not used
9	Commodity Code	22 / AN	01 / 30	C	Not used
10	Compartment ID Code	595 / ID	01 / 01	O	Not used

SEGMENT H1 – Hazardous Material

OPTIONAL

Maximum Use: 3 per N7/L0 loop

6/28/2014: When H1 is supplied, CMS no longer requires EDI validations for the H1 segment. CMS has also removed the looping validation.

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Hazardous Material Code	62 / AN	04 / 10	M	Not used
2	Hazardous Material Class Code	209 / AN	01 / 04	O	Not used
3	Hazardous Material Code Qualifier	208 / ID	01 / 01	O	Not used
4	Hazardous Material Description	64 / AN	02 / 30	O	Not used
5	Hazardous Material Contact	63 / AN	01 / 24	O	Not used
6	Hazardous Material Page	200 / AN	01 / 06	O	Not used
7	Flashpoint Temperature	77 / N	01 / 03	C	Not used
8	Unit/Basis For Measurement Code	355 / ID	02 / 02	C	Not used
9	Packing Group Code	254 / ID	01 / 03	O	Not used

SEGMENT L3 – Total Weight and Charges

OPTIONAL

Maximum Use: 2 per N7 loop

Example:

This segment is not used by CCM.

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Weight	81 / R	01 / 10	C	Not used
2	Weight Qualifier	187 / ID	01 / 02	C	Not used
3	Freight Rate	60 / R	01 / 09	C	Not used
4	Rate/Value Qualifier	122 / ID	02 / 02	C	Not used
5	Charge	58 / N2	01 / 12	O	Not used
6	Advances	191 / N2	01 / 09	O	Not used
7	Prepaid Amount	117 / N2	01 / 09	O	Not used
8	Special Charge or Allowance Code	150 / ID	03 / 03	O	Not used
9	Volume	183 / R	01 / 08	C	Not used
10	Volume Unit Qualifier	184 / ID	01 / 01	C	Not used
11	Lading Quantity	80 / N0	01 / 07	O	Not used
12	Weight Unit Code	188 / ID	01 / 01	O	Not used
13	Tariff Number	171 / AN	01 / 07	O	Not used
14	Declared Value	74 / N2	02 / 12	C	Not used
15	Rate/Value Qualifier	122 / ID	02 / 02	C	Not used

SEGMENT SE – Transaction Set Trailer

MANDATORY

Maximum Use: 1 per transaction set

Example:

SE*11*007994268~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Number of Included Segments	96 / ID	01 / 10	M	The number of segments sent in the transaction set, including both the ST and SE segments
2	Transaction Set Control Number	329 / AN	01 / 09	M	Sender's message control number, this number must match the number sent in the ST segment

SEGMENT SE – Transaction Set Trailer

MANDATORY

Maximum Use: 1

Example:

GE*1*007994268~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Number of Included Transaction Sets	97 / N0	01 / 06	M	This reflects the number of sets transmitted
2	Group Control Number	28 / N0	01 / 09	M	Sender's group control number, this number must match the number sent in the GS segment

SEGMENT IEA – Interchange Control Trailer

MANDATORY

Maximum Use: 1

Example:

IEA*1*000013519~

#	Name	Data Element # / Type	Min/Max	REQ	Description
1	Number of Included Functional Groups	I16 / N0	01 / 05	M	The number of functional groups sent.
2	Interchange Control Number	I12 / N0	01 / 09	M	Sender's interchange control number, this number must match the number sent in the ISA segment

Appendix

1. *Suspense Code Reasons*

Suspended transactions are accepted into CMS, however, because they are illogical, CMS flags them so they can be manually corrected.

The **Unit Movement Suspense Reason** table below lists for each **suspense code** the description that will be displayed after the transactions are validated and suspended by the EDI Parser.

Title	Description	Notes
Location Mismatch	Check if some activities took place in the same location.	Now check location only for: In – Out In – Mount In – Dismount Mount – Out Mount – Dismount Dismount – Out Dismount – Mount
Cannot Determine Bill To Code	Bill to code is the responsible party.	
Could not determine Responsible Party		
Double Inbound	Double activity of the same type. Missing one or more moves between them.	
Double Out gate		
Double Mount		
Double Dismount		
Illogical Inbound with container after Mount	Mount and then In gate with container.	
Illogical Inbound bare after Mount	Mount and then In gate bare.	
Illogical Inbound with container after Dismount	Dismount and then In gate with container	
Illogical Inbound bare after Dismount	Dismount and then In gate	
Suspended Activity		
Illogical In with container after Out bare	Out Gate bare and then In gate with container	
Illogical Mount after Inbound with container	In gate with container then Mount	
Illogical Dismount after Inbound bare	In gate bare then Dismount	

Title	Description	Notes
Illogical Mount after Out gate	Out Gate then Mount	
Illogical Dismount after Out with container	Out Gate with container then Dismount	
Illogical Out with container after Inbound bare	In gate bare then Out Gate with container	
Illogical Out gate with container after Dismount	Dismount then Out Gate with container	
Illogical Out bare after Inbound with container	In gate with container then Out bare	
Illogical Out gate bare after Mount	Mount then Out gate bare	
The work order service is closed/cancelled		WO service status is closed.
This unit was already picked up for work order		
This unit was already delivered for work order		
Unit Type does not match Work Order Service Equipment Type		The unit from the move it is not accepted by the WO Service.
The quantity per equipment was reached.		The service quantity was reached.
Previous Out move with picked up missing		In gate with delivery without Gate out with picked up.
Work Order Service Status should be Awarded/In Progress		WO Service status is draft, tendered, invoiced, deleted and Partial Invoice.
Location mismatch: move location - work order service location		Validation on location for WO Service: If Out Gate check FROM location of the service. If In Gate check the To location of the service
Unmatched Responsible party	Gate Out and Gate In with different Responsible party	Gate Out with responsible party A and In gate with responsible party B.
Date after service end date	Transaction after the service complete date	Check that for a move the move date is not after the Service Complete date
Unmatched Responsible Party		
Illogical Out with container after Inbound with different container.		

2. Reject Code Reasons

Rejected transactions are transactions that cannot be validated and processed into CMS. CMS flags them so they can be manually corrected.

The **Unit Movement Rejected Reason** table below lists for each reject **code** the description that will be displayed after the transactions are rejected by the EDI Parser.

Title	Code	Description	Notes
Chassis not in CMS registry	ch_invalid	Unit must be registered at move date.	Make sure the unit has the registration date before the move date.
Invalid Location Code	lc_invalid		Check the location mapping code and that the location is in the units Pool.
Invalid Event Status	ev_invalid	Activity is not recognized/processed in CMS or activity is not effective at the date of the transaction.	Activity code must be mapped for one of the CMS transaction types. Default values do not need mapping.
Move has Container Only	cn_only	Move does not contain a chassis	Will not be visible, but will show up in EDI File Processing, Ignored Records column.
Activity not eligible on this date	ev_notelig	CMS does not recognize the transaction type (AM/H/I/O/etc) on this date.	Move date must be greater than Activity type date. See Settings – EDI app rule –Unit Movement Type. 
Future movement date	dt_future	Future movement date	Move with date in the future.
Invalid Trucking Company	tk_invalid	Trucking Company does not match with the Work Order's Vendor	If the EDI has WO number and trucker, check to see if the SCAC from “N1*MC” segment is the same company awarded for the WO service.
Event Already Exists	ev_exists	Event Already Exists	Duplicate combination: Date + unit + Location + move type.
Could not determine Responsible Party	rp_invalid		
Invalid mapping code for movement	cd_invalid		
Invalid mapping	tz_invalid	Invalid mapping code	Time zone in Q5 segment must be

code for time zone		for time zone	mapped. ! LT is by default the local time code. It does not need mapping.
Using Line could not be determined	ul_invalid		
Unit Age exceeds CCM guidelines	rm_dt_old	Auto-coop error	Unit has Manufacture year. Per system we have Max age of equipment (see System administration – Reference data – System reference Data). The “age” of the unit must be smaller than Max age. The system cannot auto coop unit if it is too old.
Designated Pool different than Location Pool	DP_not_LP	Auto-coop error	A unit must gate out / in from a location within the designated pool to be able to make the auto cooping.
Multiple event for Unit	ev_mult		1.Same unit + same date time + different location 2.Same unit+ + same date time + same location +different move types
Unit not cooped	co_invalid		
Auto-coop error	ac_invalid		
Invalid Equipment Type	eq_invalid		