

Message Implementation Guideline

CCUSA_003050_856

based on

856

Ship Notice/Manifest for JIS deliveries

X12 003050

Version 1.2: Sep 26th, 2018

Change History

	Date	Chapter	Description
1.0	Apr/20/2018	All	Document created
1.1	Jun/25/2018	3.2 GS	GS Sender Application ID for MBUSI
1.2	Sep 26 2018	3.2 GS	Updated Application Sender ID for CKD 167

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1 Segments

1.1 ISA Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	ISA	M	1	0	Interchange Control Header

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
ISA				
I01	Authorization Information Qualifier	M ID 2/2	M ID 2/2	00 No Authorization Information Present (No Meaningful Information in I02)
I02	Authorization Information	M AN 10/10	M AN 10/10	
I03	Security Information Qualifier	M ID 2/2	M ID 2/2	00 No Security Information Present (No Meaningful Information in I04)
I04	Security Information	M AN 10/10	M AN 10/10	
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	Supplier will provide their 2 digit qualifier ID
I06	Interchange Sender ID	M AN 15/15	M AN 15/15	Supplier will provide their Interchange Sender ID
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	ZZ- Mutually Defined
I07	Interchange Receiver ID	M AN 15/15	M AN 15/15	Test: DAI_GSSPLUS_T Production: DAI_GSSPLUS_P
I08	Interchange Date	M DT 6/6	M DT 6/6	The date is in year month day (YYMMDD) format
I09	Interchange Time	M TM 4/4	M TM 4/4	The local time the ISA was created, it is in HHMM format and the valid ranges are 0000 to 2359.
I10	Interchange Control Standards Identifier	M ID 1/1	M ID 1/1	U (U.S. EDI Community of ASC X12, TDCC, and UCS)
I11	Interchange Control Version Number	M ID 5/5	M ID 5/5	00200 (Standard Issued as ANSI X12.5-1987)
I12	Interchange Control Number	M NO 9/9	M NO 9/9	
I13	Acknowledgment Requested	M ID 1/1	M ID 1/1	0 No Acknowledgment Requested
I14	Test Indicator	M ID 1/1	M ID 1/1	Definition: T-Test, P-Production
I15	Component Element Separator	M AN 1/1	M AN 1/1	Sub Element Separator

Example:

ISA*00* *00* *ZZ*AAABBB *ZZ*DAI_GSSPLUS_P *030430*2203*U*00200*000006887*0*P*!:

Where:

- ZZ AAABBB – is your Interchange qualifier and ID

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.2 GS Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	GS	C	1	0	Functional Group Header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
GS				
479	Functional Identifier Code	M ID 2/2	M ID 2/2	SH Ship Notice / Manifest (856)
142	Application Sender's Code	M AN 2/15	M AN 8/10	Supplier number without preceding zeros
124	Application Receiver's Code	M AN 2/15	M AN 2/15	12803193D
373	Date	M DT 6/6	M DT 6/6	
337	Time	M TM 4/8	M TM 4/8	
28	Group Control Number	M NO 1/9	M NO 1/9	
455	Responsible Agency Code	M ID 1/2	M ID 1/2	X Accredited Standards Committee X12
480	Version / Release / Industry Identifier Code	M AN 1/12	M AN 1/12	003050 (Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1994)

Remark:

Field GS02 This field will hold the supplier number for the sender of the message.

Example:

GS*SH*015437999B*12803193D*030430*22034100*6887*X*003050!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.3 ST Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	ST	M	1	0	Transaction Set Header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
ST				
143	Transaction Set Identifier Code	M ID 3/3	M ID 3/3	856 X12.10 Ship Notice/Manifest
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	

Remark:

Example:

ST*856*68870001!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.4 BSN Segment

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0020	4	BSN	M	1	0	Beginning Segment for Ship Notice
------	---	------------	---	---	---	-----------------------------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BSN				
353	Transaction Set Purpose Code	M ID 2/2	M ID 2/2	00 Original
396	Shipment Identification	M AN 2/30	M AN 2/10	Your delivery note number
373	Date	M DT 6/6	M DT 6/6	Document Date in format YYMMDD
337	Time	M TM 4/8	M TM 4/4	Time in format HHMM
1005	Hierarchical Structure Code	O ID 4/4	N	Not used
640	Transaction Type Code	C ID 2/2	C ID 2/2	
641	Status Reason Code	O ID 3/3	N	Not used

Remark:

Please note: Your delivery note number has to be unique per calendar year.

Example:

BSN*00*GAD21783*150720*1233!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.5 DTM Segment – Shipped Date and Time

Counter	No	Tag	St	MaxOcc	Level	Name
0040	5	DTM	M	10	1	Date/Time Reference (ship date and time)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
374	Date/Time Qualifier	M ID 3/3	M ID 3/3	011 Shipped
373	Date	C DT 6/6	M DT 6/6	Shipping date in format YYMMDD
337	Time	C TM 4/8	M TM 4/4	Shipping time in format HHMM
623	Time Code	O ID 2/2	N	Not used
624	Century	O NO 2/2	N	Not used
1250	Date Time Period Format Qualifier	C ID 2/3	N	Not used
1251	Date Time Period	C AN 1/35	N	Not used

Remark:

Example:

DTM*011*150720*1233!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.6 HL Segment – Shipment Loop

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	M	200000	1	HL-MEA-TD1-TD5-TD3-REF-FOB-N1
0010	7	HL	M	1	1	Hierarchical Level

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
HL				
628	Hierarchical ID Number	M AN 1/12	M AN 1/12	1 Shipment Loop is always value 1
734	Hierarchical Parent ID Number	O AN 1/12	N	Not used
735	Hierarchical Level Code	M ID 1/2	M ID 1/2	S Shipment
736	Hierarchical Child Code	O ID 1/1	N	Not used

Remark:

Example:

HL*1**S!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.6.1 REF Segment –Unloading point

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	M	200000	1	HL-MEA-TD1-TD5-TD3-REF-FOB-N1
0150	24	REF	M	>1	2	Reference Numbers

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
REF				
128	Reference Number Qualifier	M ID 2/2	M ID 2/2	DK
127	Reference Number	C AN 1/30	M AN 1/5	Unloading point
352	Description	C AN 1/80	N	Not used

Remark:

Field REF02 Information is transmitted with 830 message in field REF02 with Qualifier DK.

Please note: Each 856 transmission shall only contain parts that have been ordered for the same unloading point.

Example:

REF*DK*W1H1!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.6.2 N1 Segment – Customer information

Counter	No	Tag	St	MaxOcc	Level	Name
0220		N1	M	200	2	N1-N4
0220	26	N1	M	1	2	Name

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N1				
98	Entity Identifier Code	M ID 2/2	M ID 2/2	ST Ship To
93	Name	C AN 1/35	C AN 1/35	CCUSA
66	Identification Code Qualifier	C ID 1/2	C ID 1/2	92 Assigned by Buyer or Buyer's Agent
67	Identification Code	C AN 2/20	C AN 2/4	CCUSA Plant code
706	Entity Relationship Code	O ID 2/2	N	Not used
98	Entity Identifier Code	O ID 2/2	N	Not used

Remark:

Field N104 Information is transmitted in 830 transmission in field N104(ST)

Example:

N1*ST*MERCEDES BENZ OF N AMERICA*92*0815!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.6.3 N1 Segment – Supplier Information

Counter	No	Tag	St	MaxOcc	Level	Name
0220		N1	M	200	2	N1
0220	28	N1	M	1	2	Name

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N1				
98	Entity Identifier Code	M ID 2/2	M ID 2/2	SU Supplier/Manufacturer
93	Name	C AN 1/35	C AN 1/35	
66	Identification Code Qualifier	C ID 1/2	C ID 1/2	92 Assigned by Buyer or Buyer's Agent
67	Identification Code	C AN 2/20	C AN 8/10	
706	Entity Relationship Code	O ID 2/2	N	Not used
98	Entity Identifier Code	O ID 2/2	N	Not used

Remark:

Field N104 This field holds your assigned supplier number which allows 8 to 10 characters. This number has to be printed on each label when the parts are shipped to CCUSA.

Information will be sent in 830 transmissions in field N104 (SE).

Example:

N1*SU*US GADSDEN (GAD)*92*015437999B!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.7 HL Segment – Item Loop

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	M	200000	1	HL-LIN-SN1-PRF-PID-MEA-N1
0010	39	HL	M	1	1	Hierarchical Level

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
HL				
628	Hierarchical ID Number	M AN 1/12	M AN 1/12	Holds number of current level
734	Hierarchical Parent ID Number	O AN 1/12	M AN 1/12	Holds number of upper-level (Parent ID)
735	Hierarchical Level Code	M ID 1/2	M ID 1/2	I Item
736	Hierarchical Child Code	O ID 1/1	N	Not used

Remark:

Example:
HL*3*2*I!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.7.1 LIN Segment – Part number

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	M	200000	1	HL-LIN-SN1-PRF-PID-MEA-N1
0020	40	LIN	M	1	2	Item Identification

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LIN				
350	Assigned Identification	O AN 1/11	M AN 1/6	Delivery item number
235	Product/Service ID Qualifier	M ID 2/2	M ID 2/2	BP Buyer's Part Number
234	Product/Service ID	M AN 1/40	M AN 1/22	CCUSA part number
235	Product/Service ID Qualifier	C ID 2/2	M ID 2/2	EC Engineering Change Level
234	Product/Service ID	C AN 1/40	M AN 1/8	ZGS and Quality level in format Z001Q001 (see below)

Remark:

- Field LIN01 item number in delivery note that can be referenced in 820 transmission (remittance advice). Must be unique in the ASN and cannot repeat.
- Field LIN03 This field holds the **CCUSA** part number that is sent in the 830 transmission in field LIN03 and printed human readable and barcoded with qualifier P on each Single and Master label when the parts are shipped to **CCUSA**.
→ please see also 2.2 Format of part number from LIN03

Quantities per part number are to be aggregated in each ASN!
- Field LIN05 Q-Level of shipped parts shall be transmitted in this field. Correct information has to be communicated with **CCUSA** quality department
First ZGS, the first digit must be starting with "Z" then three-digit number then E/Q Level with E/Q/X starting in Position "5" and then three-digit number .
Example: Z001Q002 or Z001E001

Example:

LIN*00010*BP*A2057801300 1C51*EC*Z001Q002*ON*6052991385!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.7.2 SN1 Segment – Delivery quantity

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	M	200000	1	HL-LIN-SN1-PRF-PID-MEA-N1
0030	41	SN1	M	1	2	Item Detail (Shipment)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SN1				
350	Assigned Identification	O AN 1/11	N	Not used
382	Number of Units Shipped	M R 1/10	M R 1/10	Delivery quantity (total quantity for this item loop)
355	Unit or Basis for Measurement Code	M ID 2/2	M ID 2/2	Unit of Measure

Remark:

Field SN103 Use the same unit of measure as sent in 830 transmission per item in field UIT02

Example:

SN1**28*EA!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.7.3 REF Segment – Production Number (JIS)

Counter	No	Tag	St	MaxOcc	Level	Name
0010		HL	C	200000	1	HL-LIN-SN1-PRF-PID-MEA-N1-REF
0150	38	REF	M	>1	2	Reference Numbers

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
REF				
128	Reference Number Qualifier	M ID 2/2	M ID 2/2	JN Job Number
127	Reference Number	C AN 1/30	M AN 10/10	
352	Description	C AN 1/80	N	Not used

Remark:

Field REF02 For each production Number (JIS) send one line.

Example:

REF*JN*0009070113!
 REF*JN*0009071105!
 REF*JN*0009071109!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.8 CTT Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010	56	CTT	M	1	0	Transaction Totals

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
CTT				
354	Number of Line Items	M NO 1/6	M NO 1/6	(total number of HL* loops)
347	Hash Total	O R 1/10	N	Not used
81	Weight	C R 1/10	N	Not used
355	Unit or Basis for Measurement Code	C ID 2/2	N	Not used
183	Volume	C R 1/8	N	Not used
355	Unit or Basis for Measurement Code	C ID 2/2	N	Not used
352	Description	O AN 1/80	N	Not used

Remark:

Example:

CTT*7!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.9 SE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0020	57	SE	M	1	0	Transaction Set Trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SE				
96	Number of Included Segments	M NO 1/10	M NO 1/10	
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	

Remark:

Example:

SE*88*000000184!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.10 GE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

0000 58 **GE** M 1 0 **Functional Group Trailer**

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
GE				
97	Number of Transaction Sets Included	M NO 1/6	M NO 1/6	
28	Group Control Number	M NO 1/9	M NO 1/9	

Remark:

Example:
GE*1*184!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

1.11 IEA Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	59	IEA	M	1	0	Interchange Control Trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
IEA				
I16	Number of Included Functional Groups	M NO 1/5	M NO 1/5	
I12	Interchange Control Number	M NO 9/9	M NO 9/9	

Remark:

Example:

IEA*1*000000184!

No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group
 Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

2 Appendix

2.1 General information

856 transmissions have to be built per unloading point as a split criteria (unloading point information has to be transmitted in segment HL-MEA-TD1-TD5-TD3-REF with Reference Number Qualifier REF01 = DK)

2.2 Format of part number from LIN03 in item loops

The part number is specified in the material release.

Valid part numbers generally consist of a letter (“A”, “B”, “H”, “Z” or “T” (for new containers)) and 8-11 numbers.

No blank spaces or special characters

Exceptions: part numbers with supplementary codes ES1 and ES2

Example 1: Daimler part number without supplementary code

Character																						
Customer Part number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Entry																						
Daimler Part number	A	1	2	4	4	0	1	1	2	6	1											

Example 2: Daimler part number for “colored” parts with indicator letter A and supplementary code (ES1), ES2

Character																						
Customer Part number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Entry																						
Daimler Part number	A	1	2	4	4	0	1	1	2	6	1							9	0	5	1	

2.3 Example message

ISA*00* 00* *ZZ*SENDER *ZZ*RECEIVER *180430*2203*U*00200*000000184*0*T*:
GS*SH*SND*REC*180430*22034100*000000184*X*003050!
ST*856*000000184!
BSN*00*GAD21783*150720*1233!
DTM*011*150720*1233!
HL*1**S! Shipment Loop
REF*DK*A1J1!
N1*ST*CCUSA*92*0815!
N1*SU*US GADSDEN*92*012345678A!
HL*2*1*! Item Loop
LIN*001*BP*A2057801300 1C51*EC*Z001Q002!
SN1**2*EA!
REF*JN*0009071110! Production numbers
REF*JN*0009071111!
HL*3*1*! Item Loop
LIN*002*BP*A2057801400 1C51*EC*Z001Q002!
SN1**10*EA!
REF*JN*0009071110! Production numbers
REF*JN*0009071111!
REF*JN*0009071112!
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SE*27*000000184!
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