Message Implementation Guideline

MBUSI_003050_862

Based on

862
Shipping Schedule

X12 003050

Version 1.0: 20-Oct-2017
Presented by:

Change History

	Date	Chapter	Description
1.0	20-Oct-2017	All	Document created

1 Contents

1 Structure / Table of Contents

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0000	1	**ISA**	M	1	0	Interchange Control Header
0000	2	**GS**	M	1	0	Functional Group Header
0010	3	**ST**	M	1	0	Transaction Set Header
0020	4	**BSS**	M	1	0	Beginning Segment for Shipping
0030	5	**N1**	M	1	0	Name(Seller)
0040	6	**N1**	M	1	0	Name (of Ship To)
0050		**LIN**	M	1	1	LIN-UIT-REF-FST
0050	7	**LIN**	M	1	1	Line Identification
0051	8	**UIT**	M	1	2	Unit Detail
0052	9	**REF**	O	1	2	Reference Number
0053	10	**FST**	O	>0	2	Forecast Schedule (Actual Delivery Schedule)
0060	11	**CTT**	M	1	0	Transaction Totals
0070	12	**SE**	M	1	0	Transaction Set Trailer
0000	13	**GE**	M	1	0	Functional Group Trailer
0000	14	**IEA**	M	1	0	Interchange Control Trailer

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 Segments

2.1 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	**01-Duns Number, 08-Phone Number, ZZ-Mutually defined**
I06	Interchange Sender ID	M AN 15/15	M AN 15/15	
I07	Interchange ID Qualifier	M ID 2/2	M ID 2/2	**01-Duns Number, 08-Phone Number, ZZ-Mutually defined**
I08	Interchange Receiver ID	M AN 15/15	M AN 15/15	
I09	Interchange Date	M DT 6/6	M DT 6/6	The date is in year month day (YYDDMM) format
I10	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
I11	Interchange Control Standards Identifier	M ID 1/1	M ID 1/1	**UU.S. EDI Community of ASC X12, TDCC, and UCS**
I12	Interchange Control Version Number	M ID 5/5	M ID 5/5	**00200 Standard Issued as ANSI X12.5-1987**
I13	Interchange Control Number	M N0 9/9	M N0 9/9	
I14	Acknowledgment Requested	M ID 1/1	M ID 1/1	**0 No Acknowledgment Requested**
I15	Test Indicator	M ID 1/1	M ID 1/1	Definition: T-Test, P-Production
I16	Component Element Separator	M AN 1/1	M AN 1/1	Sub Element Separator

Remarks:

1. Value for field I06 Interchange Sender ID will be “MBUS MBUS002 “for all messages

2. Field I08 will hold the MBUSI partner number (supplier number of receiving party in the MBUSI system) and hold a 10 digit number

Example:

```
ISA*00*          *00*          *ZZ*MBUS   MBUS002 *01*189202666      *140717*0940*U*00200*000001751*0*P*>~
```

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

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2.2 GS Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	**GS**	M	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	**PS Shipping Schedule (862)**
142	Application Sender's Code	M AN 2/15	M AN 2/15	**MBUS002**
124	Application Receiver's Code	M AN 2/15	M AN 2/15	Supplier number without preceding zeros
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 N0 1/9	M N0 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**

Remarks:

Field GS03 SUPPLIER - is your supplier number as defined by MBUSI

Example:

```
GS*PS*MBUS002*SUPPLIER*030430*1304*7156*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)

2.3 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	**862 Shipping Schedule**
329	Transaction Set Control Number	M AN 4/9	M	AN 4/9	

Remark:

Field ST02 The value from this field can be reference in case of errors.

Example:

```
ST*862*299728~
```

2.4 BSS Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	**BSS**	M	1	0	**Beginning Segment for Shipping**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
BSS					
353	Transaction Set Purpose Code	M ID 2/2	M	ID 2/2	00 - OriginalReplace
127	Reference Number	M AN 10/12	M	AN10/12	Reference Number (Acts as Release Number)
373	Date	M DT 6/6	M	DT 6/6	Date sent YYMMDD
675	Schedule Type Qualifier	M ID 2/2	M	ID 2/2	DL - Delivery Based
373	Date	M DT 6/6	M	DT 6/6	Date sent YYMMDD
373	Date	M DT 6/6	M	DT 6/6	Date sent YYMMDD

Example:

```
BSS*00*1002983355*060918*DL*060918*060918~
```

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)

2.5 N1 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0030	5	**N1**	M	1	0	**Name(Seller)**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
N1					
98	Entity Identifier Code	M ID 2/2	M	ID 2/2	SE - Selling Party
66	Identification Code Qualifier	M ID 2/2	M	ID 2/2	92 or 93 - Assigned by Buyer or Buyer's Agent
67	Identification Code	M AN 8/10	M	AN 8/10	MBUSI Vendor Code

Example:

```
N1*SE**92*18589580~
```

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)

2.6 N1 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0040	6	**N1**	M	1	0	**Name(of Ship To)**

		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	AN	1/35	AN	1/35	Ship To Description
66	Identification Code Qualifier	M	ID 2/2	M	ID 2/2	92 or 93 - Assigned by Buyer or Buyer's Agent
67	Identification Code	M	AN 4/10	M	AN 4/10	MBUSI plant Code

Remark:

N104: 8010 specifies Business Unit as the Vance, AL complex. If and when MBUSI orders materials for other major business units in the future, a different code may appear here. In SAP parlance, 8010 is the Plant Code.

Example:

```
N1*ST*MBUSI  VANCE*92*8010~
```

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)

2.7 LIN Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0050	7	**LIN**	M	1	1	**Item Identification**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
LIN					
235	Product/Service ID Qualifier	M ID 2/2	M	ID 2/2	BP - Buyer's Part Number
234	Product/Service ID	M AN 1/24	M	AN 1/24	MBUSI Part Number
235	Product/Service ID Qualifier	M ID 2/2	C	ID 2/2	RS – Set Number
234	Product/Service ID	M AN 8/10	C	AN 8/10	SAP idoc# of corresponding call-off
235	Product/Service ID Qualifier	M ID 2/2	C	ID 2/2	RN - Release Number
234	Product/Service ID	M AN 8/10	C	AN 8/10	JIT call-off number in SAP

Example:

```
LIN**BP*A1646100277*RS*81441005*RN*0505512777~
```

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)

2.8 UIT Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0051	8	**UIT**	M	1	2	**Unit Detail**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
UIT					
355	Unit or Basis for Measurement Code	M ID 2/2	M	ID 2/2	Any valid code may be used

Example:

```
UIT*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)

2.9 REF Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0052	9	**REF**	O	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	CR – Customer Reference Number
127	Reference Number	M AN 2/8	M	AN 2/8	Unloading point

Remark:

REF02 This field contains the unloading point/receiving dock.

Example:

```
REF*CR*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)

2.10 FST Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0053	10	**FST**	O	>0	2	**Forecast Schedule**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
FST					
380	Quantity	M R 1/13	M	R 1/13	Ship quantity
680	Forecast Qualifier	M ID 1/1	M	ID 1/1	C - Firm
681	Forecast Timing Qualifier	M ID 1/1	M	ID 1/1	D - Discrete
373	Date	M DT 6/6	M	DT 6/6	YYMMDD - Date of delivery at MBUSI
374	Date/Time Qualifier	M ID 3/3	C	ID 3/3	002 – Delivery Requested
337	Time	M TM 4/4	C	TM 4/4	HHSS - Time of delivery at MBUSI

Remark:

Means the delivery is expected to arrive at the dock at this time. Remember to take transit time into account.

Example:

```
FST*11*C*D*060918**002*2335~
```

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)

2.11 CTT Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0060	11	**CTT**	M	1	0	**Transaction Totals**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
CTT					
354	Number of Line Items	M N0 1/6	M	N0 1/6	1 - Always one line item

Remark:

Example:

```
CTT*1~
```

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)

2.12 SE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0070	12	**SE**	M	1	0	**Transaction Set Trailer**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
SE					
96	Number of Included Segments	M N0 1/10	M	N0 1/10	
329	Transaction Set Control Number	M AN 4/9	M	AN 4/9	

Remark:

Example:

```
SE*25*119492~
```

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)

2.13 GE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	13	**GE**	C	1	0	**Functional Group Trailer**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
GE					
97	Number of Transaction Sets Included	M N0 1/6	M	N0 1/6	
28	Group Control Number	M N0 1/9	M	N0 1/9	

Remark:

Example:

```
GE*1*1751~
```

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)

2.14 IEA Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	14	**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 N0 1/5	M	N0 1/5	
I12	Interchange Control Number	M N0 9/9	M	N0 9/9	

Remark:

Example:

```
IEA*1*000000396~
```

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)

3 Appendix

3.1 General information

THIS APPLIES ONLY TO DIRECT TO BODY SHOP JIT SUPPLIERS.

A small number of MBUSI suppliers provide parts on a true Just-In-Time (JIT) basis. Also known as “Direct Supply to Plant,” this process involves supplying parts directly to the assembly plant (initially the Body Shop), on a triggered schedule but not in sequence.

The JIT process starts with the ANSI 830; however, in this case, the ANSI 830 contains a forecast only (similar to the 830 that a sequence supplier receives). In addition, the JIT supplier receives a series of ANSI 862 messages that provide exact shipping times and quantities. There might be slight variations between the quantities in the 862 as compared to the 830 forecast due to late-breaking changes in assembly sequence.

862 transmissions for MBUSI direct materials will have only one item (LIN segment) per message.

3.2 Format of MBUSI part number from LIN03

Valid MBUSI 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	

3.3 Example message

```
ISA*00*          *00*          *ZZ*MBUS   MBUS002 *  *
*061115*1328*U*00200*000000000*0*P*>~
GS*PS*MBUS002*18589580*061115*1328*0*X*003050
ST*862*0004~
BSS*00*1002983355*060918*DL*060918*060918~
N1*SE**92*18589580~
N1*ST*MBUSI VANCE*92*8010~
LIN**BP*A1646100275*RS*81451005*RN*0505512742~
UIT*EA~
REF*CR*BDY1~
FST*11*C*D*060918**002*2335~
CTT*1~
SE*9*0004~
GE*1*0~
IEA*1*000000000~
```