Message Implementation Guideline

MBUSI_003050_830_ServiceParts

Based on

830
Planning Schedule with Release Capability

X12 003050

Version 1.0: 28-Apr-2017

Change History

	Date	Chapter	Description
1.0	28-Apr-2017	All	Document created

Contents

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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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 Structure / Table of Contents

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	**ISA**	M	1	0	Interchange Control Header
0000	2	**GS**	C	1	0	Functional Group Header
0010	3	**ST**	M	1	0	Transaction Set Header
0020	4	**BFR**	M	1	0	Beginning Segment for Planning Schedule
0060	5	**PER**	O	3	1	Administrative Communications Contact
0190	6	**TD5**	O	12	1	Carrier Details (Routing Sequence/Transit Time)
0220	7	**MAN**	O	10	1	Marks and Numbers
0230		**N1**	O	200	1	N1-N4
0230	8	**N1**	M	1	1	Name
0260	9	**N4**	O	1	2	Geographic Location
0230		**N1**	O	200	1	N1-N3-N4
0230	10	**N1**	M	1	1	Name
0250	11	**N3**	O	2	2	Address Information
0260	12	**N4**	O	1	2	Geographic Location
0010		**LIN**	M	>1	1	LIN-UIT-PID-REF
0010	13	**LIN**	M	1	1	Item Identification
0020	14	**UIT**	O	1	2	Unit Detail
0080	15	**PID**	O	1000	2	Product/Item Description
0140	16	**REF**	O	12	2	Reference Numbers
0410		**FST**	O	>1	2	FST
0410	17	**FST**	M	1	2	Forecast Schedule
0010	18	**CTT**	O	1	0	Transaction Totals
0020	19	**SE**	M	1	0	Transaction Set Trailer
0000	20	**GE**	C	1	0	Functional Group Trailer
0000	21	**IEA**	M	1	0	Interchange Control Trailer

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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	**ZZ** Mutually defined
I06	Interchange Sender ID	M AN 15/15	M AN 15/15	**MBUS MBUS002** (note the three spaces)
I05	Interchange ID Qualifier	M ID 2/2	M ID 2/2	
I07	Interchange Receiver ID	M AN 15/15	M AN 15/15	
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 N0 9/9	M N0 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	**T** Test **P** Production
I15	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” with 3 spaces for all Service Parts 830 messages

2. Field I14 is the sole indicator from MBUSI that a Service Parts 830 message is productive or test.

Example:

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

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MaxOcc = Maximum occurrence of the segment/group
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2.2 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	**PS** Planning Schedule with Release Capability (830)
142	Application Sender's Code	M AN 2/15	M AN 2/15	**MBUS002S**
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*MBUS002A*SUPPLIER*170430*1304*7156*X*003050~
```

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MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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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	**830** X12.14 Planning Schedule with Release Capability
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	

Remark:

ST02 - To indicate the start of a transaction set and to assign a control number. Resets to “0001” with each new transmission message.

Example:

```
ST*830*1234~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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2.4 BFR Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	**BFR**				**Beginning Segment for Planning Schedule**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BFR				
353	Transaction Set Purpose Code	M ID 2/2	M ID 2/2	**00** Original
127	Reference Number	C AN 1/30	X	Not used
328	Release Number	C AN 1/30	C AN 6/17	Materiel Release Number or Current Date (see note)
675	Schedule Type Qualifier	M ID 2/2	M ID 2/2	**DL** Delivery Based
676	Schedule Quantity Qualifier	M ID 1/1	M ID 1/1	**A** Actual Discrete Quantities
373	Date	M DT 6/6	M DT 6/6	Forecast Start Date (YYMMDD)
373	Date	O DT 6/6	X	Not used
373	Date	M DT 6/6	M DT 6/6	Forecast Generation Date (YYMMDD)
373	Date	O DT 6/6	X	Not used
367	Contract Number	O AN 1/30	X	Not used
324	Purchase Order Number	O AN 1/22	X	Not used
783	Planning Schedule Type Code	O ID 2/2	X	Not used
306	Action Code	O ID 1/2	X	Not used

Remark:

BFR03 If a material release number is not available, the field is filled with the current date YYMMDD. Forecast information is associated with a part number, and actual orders are associated with a Purchase Order number.

Example:

```
BFR*00**150928*DL*A*150928**150928~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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2.5 PER Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0060	5	**PER**	M	1	1	**Administrative Communications Contact**

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
PER					
366	Contact Function Code	M ID 2/2	M ID 2/2	**OD**	Order Department
93	Name	O AN 1/35	O AN 1/35		MBUSI Contact Name
365	Communication Number Qualifier	C ID 2/2	C ID 2/2	**IT**	International Telephone
364	Communication Number	C AN 1/80	C AN 1/25		MBUSI contact telephone number
365	Communication Number Qualifier	C ID 2/2	X	Not used	
364	Communication Number	C AN 1/80	X	Not used	
365	Communication Number Qualifier	X ID 2/2	X	Not used	
364	Communication Number	X AN 1/80	X	Not used	
443	Contact Inquiry Reference	O AN 1/20	X	Not used	

Remark:

Name and phone number of MBUSI Expediter and Order Department.

Either the name, the phone number, or both will be present in this segment.

Example:

```
PER*OD*J PAGE*IT*1-205-507-3578~
```

2.6 TD5 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0190	6	**TD5**	M	1	1	**Carrier Details (Routing Sequence/Transit Time)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
TD5				
133	Routing Sequence Code	O ID 1/2	X	Not used
66	Identification Code Qualifier	C ID 1/2	X	Not used
67	Identification Code	C AN 2/20	X	Not used
91	Transportation Method/Type Code	C ID 1/2	M ID 1/2	**A** Air **H** Customer Pickup **J** Motor **R** Rail **S** Ocean
387	Routing	C AN 1/35	X	Not used
368	Shipment/Order Status Code	C ID 2/2	X	Not used
309	Location Qualifier	O ID 1/2	X	Not used
310	Location Identifier	C AN 1/30	X	Not used
731	Transit Direction Code	O ID 2/2	X	Not used
732	Transit Time Direction Qualifier	O ID 2/2	X	Not used
733	Transit Time	C R 1/4	X	Not used
284	Service Level Code	C ID 2/2	X	Not used

Remark:

Example:

```
TD5****J~
```

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 MAN Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0220	7	**MAN**	M	1	1	**Marks and Numbers**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
MAN				
88	Marks and Numbers Qualifier	M ID 1/2	M ID 1/2	**DZ Receiver Assigned Storage Location**
87	Marks and Numbers	M AN 1/45	M AN 1/10	Staging Area/Bin
87	Marks and Numbers	O AN 1/45	M AN 1/13	Lineside Location / Linefeed Location
88	Marks and Numbers Qualifier	C ID 1/2	X	Not used
87	Marks and Numbers	C AN 1/45	X	Not used
87	Marks and Numbers	O AN 1/45	X	Not used

Remark:

- Storage Area and Lineside Location for Parts Label.
- The linefeed location is of the form PlantAbbreviation-Line-Station.
- “MULTI” indicates multiple linefeed location.
- “NONE” will be in elements MAN02 and MAN03 if this information is not available.

Example:

```
MAN*DZ*STB4*A2-C1-01L~

MAN*DZ*NONE*NONE~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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2.8 N1 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**N1**	O	200	1	**N1-N4**
0230	8	**N1**	M	1	1	**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	C AN 1/35	M AN 1/35	**MBUSI VANCE**
66	Identification Code Qualifier	C ID 1/2	M ID 2/2	**92 Assigned by Buyer or Buyer's Agent**
67	Identification Code	C AN 2/20	M AN 4/10	**70599-000** Customer plant code for MBUSI Bessemer Consolidation Center
706	Entity Relationship Code	O ID 2/2	X	Not used
98	Entity Identifier Code	O ID 2/2	X	Not used

Remark:

Ship To Information

Example:

```
N1*ST*MBUSI VANCE*92*70599-000~
```

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 N4 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**N1**	O	200	1	**N1-N4**
0260	9	**N4**	M	1	2	**Geographic Location (of Ship To)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N4				
19	City Name	O AN 2/30	X	Not used
156	State or Province Code	O ID 2/2	X	Not used
116	Postal Code	O ID 3/11	X	Not used
26	Country Code	O ID 2/3	X	Not used
309	Location Qualifier	C ID 1/2	M ID 1/2	**DE Destination (Shipping)**
310	Location Identifier	O AN 1/30	M AN 4/35	customer storage location

Remark:

Ship To Information

Example:

```
N4*****DE*MI01~
```

2.10 N1 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**N1**	O	200	1	**N1-N3-N4**
0230	10	**N1**	M	1	1	**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**
93	Name	C AN 1/35	M AN 1/35	Seller Name
66	Identification Code Qualifier	C ID 1/2	M ID 2/2	**92 Assigned by Buyer or Buyer's Agent**
67	Identification Code	C AN 2/20	M AN 6/10	MBUSI Vendor Code
706	Entity Relationship Code	O ID 2/2	X	Not used
98	Entity Identifier Code	O ID 2/2	X	Not used

Remark:

Seller Name Information

Example:

```
N1*SE*SOUTH CHARLESTON STAMPING & MANUFAC*92*0016001010~
```

2.11 N3 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**N1**	O	200	1	**N1-N3-N4**
0250	11	**N3**	O	1	2	**Address Information (of Seller)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N3				
166	Address Information	M AN 1/35	M AN 1/35	Street of supplier address
166	Address Information	O AN 1/35	X	Not used

Remark:

Seller Street Address

Example:

```
N3*3100 MACCORKLE AVENUE~
```

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 N4 Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**N1**	O	200	1	**N1-N3-N4**
0260	12	**N4**	M	1	4	**Geographic Location (of Seller)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
N4				
19	City Name	O AN 2/30	M AN 2/30	City of supplier address
156	State or Province Code	O ID 2/2	M ID 2/2	State/Region of supplier address
116	Postal Code	O ID 3/11	M ID 3/5	ZIP code of supplier address
26	Country Code	O ID 2/3	X	Not used
309	Location Qualifier	C ID 1/2	X	Not used
310	Location Identifier	O AN 1/30	X	Not used

Remark:

Seller City

N402: Usually only included for vendors in USA or Canada. Mexican 3-character abbreviations will be truncated to 2 characters.

Example:

```
N4*SOUTH CHARLSTON*WV*25303~
N4*MONTREAL*PQ*K41 5~
N4*BERLIN**10001~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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2.13 LIN Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010		**LIN**	M	>1	1	**LIN-UIT-PID-REF-ATH-ATH**
0010	13	**LIN**	M	1	1	**Item Identification**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LIN				
350	Assigned Identification	O AN 1/11	X	Not used
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 1/35	MBUSI Part Number
235	Product/Service ID Qualifier	C ID 2/2	O ID 2/2	**PO Purchase Order Number**
234	Product/Service ID	C AN 1/40	C AN 1/17	MBUSI Contract Number
235	Product/Service ID Qualifier	C ID 2/2	X	Not used
234	Product/Service ID	C AN 1/40	X	Not used
235	Product/Service ID Qualifier	C ID 2/2	X	Not used
234	Product/Service ID	C AN 1/40	X	Not used
235	Product/Service ID Qualifier	C ID 2/2	X	Not used
234	Product/Service ID	C AN 1/40	X	Not used

Remark:

Even though a PO# is included, you must use great care as to how you use it when dealing with Service Parts orders. Each spot PO (FST line) will have its own PO#; the PO# in the LIN segment will correspond only to the first one.

Example:

```
LIN**BP*A1634200334*PO*4500000020~
LIN**BP*A1646260133    9122*PO*4500000020~
```

No = Consecutive segment number
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2.14 UIT Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010		**LIN**	M	>1	1	**LIN-UIT-PID-REF-ATH-ATH**
0020	14	**UIT**	M	1	2	**Unit Detail**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
UIT						
C001	Composite Unit of Measure	M		X		Not used
355	Unit or Basis for Measurement Code	M	ID 2/2	M	ID 2/3	Any valid code may be used

Remark:

Field UIT02 This field holds the allowable Units of Measure and Codes for an ANSI X12 transmission. This code shall be transmitted back in each SN103 field of the 856.

Example:

```
UIT*EA~
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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2.15 PID Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010		**LIN**	M	>1	1	**LIN-UIT-PID-REF-ATH-ATH**
0080	15	**PID**	M	1	2	**Product/Item Description**

		Standard		Implementation	
Tag	Name	St	Format	St Format	Usage / Remark
PID					
349	Item Description Type	M	ID 1/1	M ID 1/1	**F Free-form**
750	Product/Process Characteristic Code	O	ID 2/3	X	Not used
559	Agency Qualifier Code	C	ID 2/2	X	Not used
751	Product Description Code	C	AN 1/12	X	Not used
352	Description	C	AN 1/80	M AN 1/40	Material description
752	Surface/Layer/Position Code	O	ID 2/2	X	Not used
822	Source Subqualifier	O	AN 1/15	X	Not used
1073	Yes/No Condition or Response Code	O	ID 1/1	X	Not used

Remark:

Example:

```
PID*F****BATTERY SUPPORT CLAMP~
PID*F****NO DESCRIPTION~
```

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

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2.16 REF Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010		**LIN**	M	>1	1	**LIN-UIT-PID-REF-ATH-ATH**
0140	16	**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	**DK Dock Number**
127	Reference Number	C	AN 1/30	M	AN 2/17	Unloading point
352	Description	C	AN 1/80	X		Not used

Remark:
Even though dock numbers are planned to be unique, a complete determination of delivery destination must include the Plant (which indicates which major plant area is to be delivered to), the Storage Location (which indicates which building), and the dock. That information is also used on the barcode label.
If REF02 contains "CALL" it means that the delivery dock had not been determined at the time the order was generated. You should call your Logistics contact at MBUSI to find out what dock to deliver to

Example:
```
REF*DK*A20~
REF*DK*CALL~
```

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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)

2.17 FST Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0410		**FST**	O	>1	2	**FST**
0410	19	**FST**	O	>1	2	**Forecast Schedule (Daily Forecasts)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FST				
380	Quantity	M R 1/15	M R 1/17	Release or forecast quantity
680	Forecast Qualifier	M ID 1/1	M ID 1/1	**C Firm** **D Planning** **H First Time Reported Firm**
681	Forecast Timing Qualifier	M ID 1/1	M ID 1/1	**D Discrete** **Z Mutually Defined**
373	Date	M DT 6/6	M DT 6/6	Date of delivery (YYMMDD)
373	Date	O DT 6/6	O DT 6/6	Date MBUSI received ASN for PO or Null if no ASN yet received (YYMMDD)
374	Date/Time Qualifier	C ID 3/3	N	Not recommended
337	Time	C TM 4/8	C TM 6/6	Delivery Time
128	Reference Number Qualifier	C ID 2/2	C ID 2/2	**DO Delivery Order Number**
127	Reference Number	C AN 1/30	C AN 1/10	**Purchase Order Number from Service Parts**
783	Planning Schedule Type Code	O ID 2/2	N	Not recommended

Remark:

Example:

```
FST*270*D*D*950424~
```

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)

2.18 CTT Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0010	20	**CTT**	O	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**
347	Hash Total	O R 1/10	X	Not used
81	Weight	C R 1/10	X	Not used
355	Unit or Basis for Measurement Code	C ID 2/2	X	Not used
183	Volume	C R 1/8	X	Not used
355	Unit or Basis for Measurement Code	C ID 2/2	X	Not used
352	Description	O AN 1/80	X	Not used

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)

2.19 SE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0020	21	**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*10*000001234~
```

2.20 GE Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	22	**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~
```

2.21 IEA Segment

Counter	No	Tag	St	MaxOcc	Level	Name
0000	23	**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

830 transmissions for MBUSI direct materials will have only one scheduling agreement item (LIN segment) per BRF segment.

3.2 Format of MBUSI part number from LIN03

The MBUSI part number is specified in the material release.

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 Segment FST

A	Past Due immediate
D	Planning
Z	Backlog

Dates may be expressed as days, weeks or months. A day specified for call-off quantities refers to the date for arrival of the shipment at the orderer's premises. Special forms for dates are "backlog" (qualifier Z) [Rückstand] and "immediate requirement" (qualifier A) [Sofortbedarf].

A **backlog** is the **positive difference** between the cumulative quantities as of the date of this material release minus the cumulative received quantity. The releases' cumulative quantity as of the material release date is always taken as the smaller of the values from the mathematical comparison between the old and new release cumulative quantities.

An **immediate requirement** is generally only indicated if the release cumulative quantity/new is higher than the release cumulative quantity/old on the material release date.
The immediate requirement is then the positive difference between the release cumulative quantity/new and the sum total of the cumulative received quantity and the backlog.
Also added to the immediate requirement may be further call-off quantities whose arrival date falls within an "immediate requirement period" set at the orderer's discretion.

Negative values for backlog and immediate requirement are not shown, but instead netted off against other requirement quantities until such time as the balance is again positive. This positive remainder then forms the first dated release quantity of the present material release.

FST segments for backlog and immediate requirements are to be interpreted as quantities still to be delivered unless your calculation of in transit material shows that enough parts are on the way to MBUSI.

Shipments not posted in yard are not part of the cumulative quantity received

3.4 Example message

ISA*00* *00* *ZZ*MBUS MBUS002 *ZZ*EB410 EB410S1*150928*1537*U*00200*000033684*0*P*>~
GS*PS*MBUS002S*18563718*150928*1537*33684*X*003050~
ST*830*3293018~
BFR*00**150928*DL*A*150928**150928~
PER*OD*Tony Morgan*IT*205-507-3772~
TD5****J~
MAN*DZ*NONE*NONE~
N1*ST*MBUSI VANCE*92*70599-000~
N4*****DE*MI01~
N1*SE*Decostar Industries, Inc.*92*0018563718~
N3*1 Decoma Drive~
N4*Carrollton*GA*30117~
LIN**BP*A1648802024~
UIT*EA~
PID*F****COVER BUMPER AREA~
REF*DK*CALL~
FST*250*D*D*160701~
FST*260*D*D*160330~
FST*240*D*D*160106~
CTT*1~
SE*19*3293018~
GE*1*33684~
IEA*1*000033684~