

**MB ExTra LLC EDI**

**Implementation Guide**

Message Implementation Guideline for suppliers

**MB ExTra\_004010\_862**

based on

**862**

Shipping Schedule

**X12 004010**

**Version 1.2: 05.09.2018**

## Note

This document is an EDI specification guideline for JIT suppliers to implement advanced shipping notifications for their deliveries.

## Change History

	<b>Date</b>	<b>Chapter</b>	<b>Description</b>
1.0	03.08.2018	All	Document created
1.2	05.09.2018	Appendix	Example and detailed description added

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# 862

## Shipping Schedule

### Functional Group=SS

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipping Schedule Transaction Set (862) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a customer to convey precise shipping schedule requirements to a supplier, and is intended to supplement the planning schedule transaction set (830). The shipping schedule transaction set will supersede certain shipping and delivery information transmitted in a previous planning schedule transaction, but it does not replace the 830 transaction set. The shipping schedule transaction set shall not be used to authorize labor, materials or other resources. The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedule requirements on a more frequent basis than with the issuance of a planning schedule transaction, e.g., daily shipping schedules versus weekly planning schedules. The shipping schedule transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1			Must use

<u>LOOP ID - N1</u>			<u>200</u>				
050	N1	Name	O	1			Used

<u>LOOP ID - N1</u>			<u>200</u>				
050	N1	Name	O	1			Not used
100	PER	Administrative Communications Contact	O	3			Not used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - LIN</u>			<u>10000</u>				
010	LIN	Item Identification	M	1			Must use
020	UIT	Unit Detail	M	1			Must use
050	REF	Reference Identification	O	12			Used
050	REF	Reference Identification	O	12			Used
<u>LOOP ID - FST</u>			<u>≥1</u>				
080	FST	Forecast Schedule	O	1			Used
100	SDQ	Destination Quantity	O	>1			Used
<u>LOOP ID - JIT</u>			<u>96</u>				
110	JIT	Just-In-Time Schedule	O	1			Used
120	REF	Reference Identification	O	500			Not used

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)

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<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Used
120	REF	Reference Identification	O	500			Not used
120	REF	Reference Identification	O	500			Used

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

### Notes:

3/010 The number of lines items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the value of the quantities (FST01) for each FST segment.

# ISA Interchange Control Header

Pos: Max: 1  
 Not Defined - Mandatory  
 Loop: N/A Elements: 16

**User Option (Usage):** Must use

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>  <b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used. (Total Codes: 7)</b>	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b>  <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b>  <b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used. (Total Codes: 2)</b>	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b>  <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b>  <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b>  <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use

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)

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>All valid standard codes are used. (Total Codes: 38)</b></p>				
ISA08	I07	<p><b>Interchange Receiver ID</b></p> <p><b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them</p>	M	AN	15/15	Must use
ISA09	I08	<p><b>Interchange Date</b></p> <p><b>Description:</b> Date of the interchange</p>	M	DT	6/6	Must use
ISA10	I09	<p><b>Interchange Time</b></p> <p><b>Description:</b> Time of the interchange</p>	M	TM	4/4	Must use
ISA11	I10	<p><b>Interchange Control Standards Identifier</b></p> <p><b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer</p> <p><b>All valid standard codes are used. (Total Codes: 1)</b></p>	M	ID	1/1	Must use
ISA12	I11	<p><b>Interchange Control Version Number</b></p> <p><b>Description:</b> Code specifying the version number of the interchange control segments</p> <p><b>All valid standard codes are used. (Total Codes: 14)</b></p>	M	ID	5/5	Must use
ISA13	I12	<p><b>Interchange Control Number</b></p> <p><b>Description:</b> A control number assigned by the interchange sender</p>	M	NO	9/9	Must use
ISA14	I13	<p><b>Acknowledgment Requested</b></p> <p><b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)</p> <p><b>All valid standard codes are used. (Total Codes: 2)</b></p>	M	ID	1/1	Must use
ISA15	I14	<p><b>Usage Indicator</b></p> <p><b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <p><b>All valid standard codes are used.</b></p>	M	ID	1/1	Must use

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

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u> (Total Codes: 3)	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA16	I15	<b>Component Element Separator</b>  <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

### Remarks:

- Value for field I06 Interchange Sender ID will be:
  - DAI\_GSSPLUS\_P for all productive messages
  - DAI\_GSSPLUS\_T for all test messages

### Example:

```
ISA*00**00**ZZ*DAI_GSSPLUS_P*01*117940473*180222*1458*U*00401*000000012*0*P*:~
```



# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
		<p><b>Description:</b> Code identifying a group of application related transaction sets</p> <p><b>CodeList Summary</b> (Total Codes: 240, Included: 1)</p> <p><u>Code Name</u></p> <p>SS Shipping Schedule (862)</p>				
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
		<p><b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners</p>				
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
		<p><b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners</p>				
GS04	373	<b>Date</b>	M	DT	8/8	Must use
		<p><b>Description:</b> Date expressed as CCYYMMDD</p>				
GS05	337	<b>Time</b>	M	TM	4/8	Must use
		<p><b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p>				
GS06	28	<b>Group Control Number</b>	M	NO	1/9	Must use
		<p><b>Description:</b> Assigned number originated and maintained by the sender</p>				
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
		<p><b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480</p> <p><b>All valid standard codes are used.</b></p> <p><b>(Total Codes: 2)</b></p>				

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use

**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

**CodeList Summary** (Total Codes: 39, Included: 1)

**Code**   **Name**

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

### Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

### Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

### Example:

```
GS*SS*18802587*20180222*1458*12*X*004010~
```

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<p><b>Description:</b> Code uniquely identifying a Transaction Set</p> <p><b>CodeList Summary</b> (Total Codes: 298, Included: 1)</p> <p><u>Code Name</u> 862 Shipping Schedule</p>						
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<p><b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</p>						

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

## Example:

ST\*862\*120001~

# BSS Beginning Segment for Shipping Schedule/Production Sequence

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSS01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying purpose of transaction set</p> <p><b>CodeList Summary</b> (Total Codes: 65, Included: 2)</p> <p><b>Code Name</b></p> <p>00 Original</p> <p>12 JIT Direct delivery MBExTra</p>						
BSS02	127	<b>Reference Identification</b>	M	AN	1/30	Must use
<p><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p> <p><b>Note:</b> <i>Plant Code</i> F = COMPAS</p>						
BSS03	373	<b>Date</b>	M	DT	8/8	Must use
<p><b>Description:</b> Date expressed as CCYYMMDD</p> <p><b>Note:</b> <i>Creation of Release</i></p>						
BSS04	675	<b>Schedule Type Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast</p> <p><b>CodeList Summary</b> (Total Codes: 11, Included: 1)</p> <p><b>Code Name</b></p> <p>DL Delivery Based</p>						
BSS05	373	<b>Date</b>	M	DT	8/8	Must use
<p><b>Description:</b> Date expressed as CCYYMMDD</p> <p><b>Note:</b> <i>Start date</i></p>						
BSS06	373	<b>Date</b>	M	DT	8/8	Must use
<p><b>Description:</b> Date expressed as</p>						

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		CCYYMMDD <b>Note:</b> <i>Finish date</i>				
BSS07	328	<b>Release Number</b>  <b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction  <b>Note:</b> <i>This release number always will be in format YYMMDD</i>	X	AN	1/30	Used

### Syntax Rules:

1. R0708 - At least one of BSS07 or BSS08 is required.

### Semantics:

1. Use BSS02 to indicate a document number.
2. Use BSS03 to indicate the date of this document.
3. Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins).
4. Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends).

### Example:

```
BSS*12*F*20160112*DL*20160112*20160112*160113
```

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# N1 Name

Pos: 050	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code	M	ID	2/3	Must use
<p><b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual</p> <p><b>CodeList Summary</b> (Total Codes: 1312, Included: 1)</p> <p><u>Code Name</u></p> <p>SU Supplier/Manufacturer</p>						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
<p><b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)</p> <p><b>CodeList Summary</b> (Total Codes: 215, Included: 1)</p> <p><u>Code Name</u></p> <p>92 Assigned by Buyer or Buyer's Agent</p>						
N104	67	Identification Code	X	AN	2/80	Used
<p><b>Description:</b> Code identifying a party or other code</p> <p><b>Note:</b> <i>Supplier Code</i></p>						

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**Example:**  
*N1\*SU\*\*92\*18802587*

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# N1 Name

Pos: 050	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Not used

**Purpose:** To identify a party by type of organization, name, and code

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	X	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1312, Included: 1)

Code Name

KE Contact Office

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

**Description:** Free-form name

**Syntax Rules:**

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

**Comments:**

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**Example:**

N1\*KE\*JUAN GALLEGOS

# PER Administrative Communications Contact

Pos: 100	Max: 3
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Not used

Purpose: To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	X	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>CodeList Summary</b> (Total Codes: 230, Included: 1)</p> <p><u>Code Name</u> BD Buyer Name or Department</p>						
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 40, Included: 1)</p> <p><u>Code Name</u> TE Telephone</p>						
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						
PER05	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 40, Included: 1)</p> <p><u>Code Name</u> EX Telephone Extension</p>						
PER06	364	<b>Communication Number</b>	X	AN	1/80	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

## Example:

PER\*BD\*\*TE\*5556282671\*EX\*5026



# LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 7

**User Option (Usage):** Must use

**Purpose:** To specify basic item identification data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 477, Included: 1)				
		<b>Code Name</b>				
		BP Buyer's Part Number				
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
		<b>Note:</b> <i>Part Number</i>				
LIN04	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 477, Included: 1)				
		<b>Code Name</b>				
		PO Purchase Order Number				
LIN05	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
		<b>Note:</b> <i>LIPA number</i>				
LIN06	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 477, Included: 1)				
		<b>Code Name</b>				
		CB Buyer's Catalog Number				
LIN07	234	<b>Product/Service ID</b>	X	AN	1/48	Used

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)

# MB ExTra LLC EDI

## Implementation Guide

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------

**Description:** Identifying number for a product or service

**Note:** *Label Part Number*

### Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.

### Semantics:

1. LIN01 is the line item identification

### Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
3. LIN05 MBExTra internal number; purchase order number is provided in ANSI830
4. LIN03 MBExTra Part Number
5. LIN07 COMPAS Part Number

### Example:

```
LIN*1*BP*A0008220102*PO*690362*CB*A0008220102D~
```

# UIT Unit Detail

Pos: 020	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To specify item unit data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UIT01	C001	<b>Composite Unit of Measure</b>	M	Comp		Must use
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
UIT01-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				

## Example:

*UIT\*PC*

Implementation Guide

# REF Reference Identification

Pos: 050	Max: 12
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

KK Delivery Reference

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** indicates the structure: *Deliver\_to (A4) + line\_feed (A4) + Secondary\_location (A6) + Dock\_location (A6)*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*KK\*S7H14LHA J16B SF10L

Implementation Guide

# REF Reference Identification

Pos: 050	Max: 12
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<p><b>Description:</b> Code qualifying the Reference Identification</p> <p><b>CodeList Summary</b> (Total Codes: 1503, Included: 1)</p> <p><u>Code Name</u></p> <p>82 Data Item Description (DID) Reference</p>						
REF02	127	Reference Identification	X	AN	1/30	Used
<p><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p>						

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*82\*PORTE MONTAJE ESCA

# FST Forecast Schedule

Pos: 080	Max: 1
Detail - Optional	
Loop: FST	Elements: 8

User Option (Usage): Used

Purpose: To specify the forecasted dates and quantities

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FST01	380	<b>Quantity</b>	M	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				
FST02	680	<b>Forecast Qualifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast				
		<b>CodeList Summary</b> (Total Codes: 21, Included: 1)				
		<b>Code Name</b>				
		C Firm				
FST03	681	<b>Forecast Timing Qualifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code specifying interval grouping of the forecast				
		<b>CodeList Summary</b> (Total Codes: 11, Included: 1)				
		<b>Code Name</b>				
		C Daily				
FST04	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
		<b>Note:</b> RAN Date				
FST06	374	<b>Date/Time Qualifier</b>	X	ID	3/3	Used
		<b>Description:</b> Code specifying type of date or time, or both date and time				
		<b>CodeList Summary</b> (Total Codes: 1112, Included: 1)				
		<b>Code Name</b>				
		DOI Delivery Order Issued				
FST07	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> Time expressed in 24-hour				

# MB ExTra LLC EDI

## Implementation Guide

clock time as follows: HHMM, or  
HHMMSS, or HHMMSSD, or  
HHMMSSDD, where H = hours (00-23), M  
= minutes (00-59), S = integer seconds  
(00-59) and DD = decimal seconds;  
decimal seconds are expressed as  
follows: D = tenths (0-9) and DD =  
hundredths (00-99)

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)

# MB ExTra LLC EDI

## Implementation Guide

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Note:</b> <i>RAN Time</i>				
FST08	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification				
		<b>CodeList Summary</b> (Total Codes: 1503, Included: 1)				
		<b>Code Name</b>				
		BB Authorization Number				
FST09	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		<b>Note:</b> <i>RAN Number</i>				

### Syntax Rules:

1. P0607 - If either FST06 or FST07 is present, then the other is required.
2. P0809 - If either FST08 or FST09 is present, then the other is required.

### Semantics:

1. If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.

### Comments:

1. As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
2. FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.

### Example:

```
FST*260*C*C*20160118**DOI*0000*BB*NK11570
```



# SDQ Destination Quantity

Pos: 100	Max: >1
Detail - Optional	
Loop: FST	Elements: 4

User Option (Usage): Used

Purpose: To specify destination and quantity detail

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><b>All valid standard codes are used. (Total Codes: 794)</b></p>				
SDQ02	66	<b>Identification Code Qualifier</b>	O	ID	1/2	Used
		<p><b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)</p> <p><b>CodeList Summary (Total Codes: 215, Included: 1)</b></p> <p><b>Code Name</b></p> <p>6 Plant Code</p>				
SDQ03	67	<b>Identification Code</b>	M	AN	2/80	Must use
		<p><b>Description:</b> Code identifying a party or other code</p> <p><b>Note:</b> Dealer ID</p>				
SDQ04	380	<b>Quantity</b>	M	R	1/15	Must use
		<p><b>Description:</b> Numeric value of quantity</p>				

## Semantics:

- SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

## Comments:

- SDQ02 is used only if different than previously defined in the transaction set.
- SDQ03 is the store number.
- SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

## Example:

SDQ\*PC\*6\*0000\*260

# JIT Just-In-Time Schedule

Pos: 110	Max: 1
Detail - Optional	
Loop: JIT	Elements: 2

**User Option (Usage):** Used

**Purpose:** To identify the specific shipping/delivery time in terms of a 24-hour clock and identify the associated quantity

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
JIT01	380	<b>Quantity</b>	M	R	1/15	Must use
<b>Description:</b> Numeric value of quantity						
JIT02	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
<b>Note:</b> RAN Time						

## Example:

JIT\*180\*000000

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

97 Package Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Box serial number

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*97\*A2S133

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

BU Buyer's Approval Mark

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** *Label Information, Special Mark*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*BU\*X

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

CO Customer Order Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Customer Ran Number

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*CO\*R08X691

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

PGC Packing Group Code

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Packing Plant Code

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*PGC\*X

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

SU Special Processing Code

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** *Label Information, Process Code*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

*REF\*SU\*2XB2K*

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

KK Delivery Reference

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Delivery Instruction Date MMDD

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*KK\*0225



# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

9S Delivery Region

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** *Label Information, Delivery Port*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

*REF\*9S\*ME*

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

PC Production Code

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Production Shop Series

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*PC\*BB

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

SQ Container Sequence Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** *Label Information, Container ID*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*SQ\*C2S016

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

L2 Location on Product Code

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Container Location

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*L2\*04L1

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: J1T	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

TIP Technical Information Package

REF02	127	Reference Identification	X	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Outer Package Module Code (Unit)

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*TIP\*RZ1

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<p><b>Description:</b> Code qualifying the Reference Identification</p> <p><b>CodeList Summary</b> (Total Codes: 1503, Included: 1)</p> <p><u>Code Name</u></p> <p>MA Ship Notice/Manifest Number</p>						
REF02	127	Reference Identification	X	AN	1/30	Used
<p><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p> <p><b>Note:</b> <i>Label Information, Van Date MMDD</i></p>						

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

### Example:

REF\*MA\*2261

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: J1T	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

NC Secondary Coverage Company Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, ILN Company name

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*NC\*COMPAS

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

VW Standard

REF02	127	Reference Identification	M	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Standard number of package (quantity)

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*VW\*000030



# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Not used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

4C Shipment Destination Code

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** *Label Information, Discharge Code*

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*4C\*1

# REF Reference Identification

Pos: 120	Max: 500
Detail - Optional	
Loop: JIT	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

9H Packaging Group Number

REF02	127	Reference Identification	M	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:** Label Information, Module Code – Packaging Instruction  
(Packaging material No. of tote – KLT/GLT)

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Example:

REF\*9H\*MNS2048

# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

**Description:** Total number of line items in the transaction set

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

## Example:

CTT\*9

# SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

1. SE is the last segment of each transaction set.

## Example:

*SE\*14\*120001~*

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the end of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	NO	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	NO	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				

## Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

## Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

## Example:

*GE\*1\*12~*

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	NO	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	NO	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

## Example:

*IEA\*1\*00000012~*

# Example messages

Below are some general guidelines followed by examples that focus on the physical appearance of the delivery, compared to the representation in the ASN.

- One RAN is always for exactly for one material
- An 862 file is always containing the information for exactly one RAN
- The RAN quantity can be similar to the packaging quantity but can also differ from the packaging quantity

## General Structure:

```
ISA*00**00**ZZ*DAI_GSSPLUS_P*01*117940473*180222*1458*U*00401*000000012*0*P*:~  
GS*SS*18802587*20180222*1458*12*X*004010~  
ST*862*120001~  
BSS*12*F*20180221*DL*20180221*20180221*180221~  
N1*SU**92* 18802587~  
LIN*1*BP*A0008220102*PO*342920155*CB*A0008220102D~  
UIT*EA~  
REF*KK*S1D2 TB11D      A01A~  
REF*82*WARNING BUZZER~  
FST*30*C*C*20180314**DOI*0000*BB*FD12360~  
SDQ*EA*6*0000*30~  
JIT*30*000000~  
REF*VW*000030  
REF*9H*MNS2048  
CTT*1~  
SE*14*120001~  
GE*1*12~  
IEA*1*000000012~
```

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## Example:

In the example below the RAN quantity for Part A is similar to the packaging quantity whereas the RAN quantity for Part B is differing from the RAN quantity.

Part A packed in 2 totes with 7 EA per tote

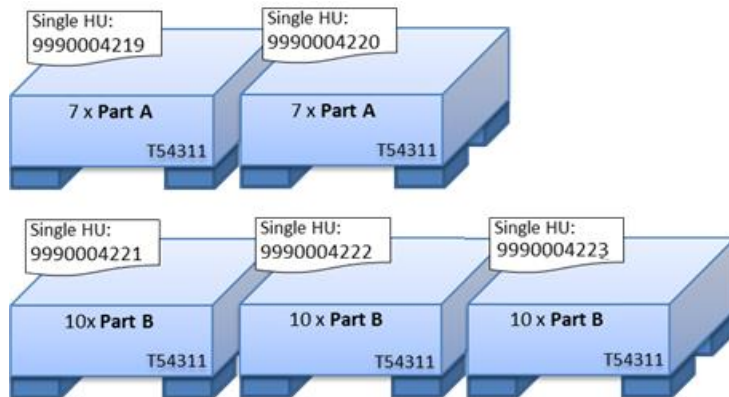
Part B packed in 3 totes with 10 EA per tote

Therefore, three ANSI 862 will be transmitted for:

RAN 1: Part A, RAN Quantity: 7, Packaging Quantity 7

RAN 2: Part A, RAN Quantity: 7, Packaging Quantity 7

RAN 3: Part B, RAN Quantity: 30, Packaging Quantity 10



The below example is an excerpt of the most relevant ANSI 862 segments and should only be seen as a clarification for the presented example and not as a standalone ANSI 862 message.

### ANSI 862 (RAN 1):

```

.
.
.
LIN*1*BP*A0008220100*PO*690362*CB*A0008220102D~
UIT*EA~
REF*KK*S1D2 TB11D      A01A~
REF*82*WARNING BUZZER~
FST*7*C*C*20180314**DOI*0000*BB*FD12360~
SDQ*EA*6*0000*7~
JIT*7*000000~
REF*VW*000007
REF*9H*T54311
.
.
.

```



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## ANSI 862 (RAN 2):

.  
.  
.  
LIN\*1\*BP\*A0008220100\*PO\*690362\*CB\*A0008220102D~  
UIT\*EA~  
REF\*KK\*S1D2 TB11D A01A~  
REF\*82\*WARNING BUZZER~  
FST\*7\*C\*C\*20180314\*\*DOI\*0000\*BB\*FD12361~  
SDQ\*EA\*6\*0000\*7~  
JIT\*7\*000000~  
REF\*VW\*000007  
REF\*9H\*T54311

## ANSI 862 (RAN 3):

.  
.  
.  
LIN\*1\*BP\*A0008220102\*PO\*690362\*CB\*A0008220102D~  
UIT\*EA~  
REF\*KK\*S1D2 TB11D A01A~  
REF\*82\*WARNING BUZZER~  
FST\*30\*C\*C\*20180314\*\*DOI\*0000\*BB\*FD12361~  
SDQ\*EA\*6\*0000\*30~  
JIT\*30\*000000~  
REF\*VW\*0000010  
REF\*9H\*T54311