

Last Updated 05/19/04

Change Log

2/9/2004 Explanation of Blanket PO in Detail PRF Segment  
 4/29/2004 Clarification of unit length in Detail MEA segment  
 5/18/2004 Change sequence of elements in LIN segment  
 5/19/2004 Sample Data Added

Seg ID	H/D/S	Seq #	Elem #	X12 Element Description	M = Req	Fixed Values/Notes	Segment Notes
ST	H	Transaction Set Header					
		1	0143	Transaction Set Identifier	M	856	
		2	0329	Transaction Set Control Number	M	*CNTL#	
BSN	H	Beginning Segment for ASN					
		1	0353	Transaction Set Purpose	M	00 = Original	
		2	0396	Shipment Identification	M	Unique Supplier Assigned Number	
		3	0373	ASN Creation Date		YYMMDD	
		4	0337	ASN Creation Time		HHMMSS	
DTM	H	Date and Time Reference					
		1	0374	Date and Time Qualifier	M	011 = Date and Time of Shipment	
		2	0373	Ship Date	M	YYMMDD	
		3	0337	Ship Time	M	HHMMSS	
		4	0623	Time Zone Qualifier	M		
		5	0624	Century		20	
HL	H	Hierarchical Level					
		1	0628	Hierarchical ID Number	M	1	
		2	0734	Hierarchical Parent ID Number		Not used at this level	
		3	0735	Hierarchical Level Code	M	S = Shipment Level	

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MEA	H	Measurements				
		1	0737	Measurement Reference ID Cd	M	PD=Physical Dim.
		2	0738	Measurement Qualifier	M	G=Gross, N=Net
		3	0739	Measurement Value	M	Weight
		4	0355	Unit of Measure Code	M	LB
TD1	H	Carrier Quantity & Weight				
		1	0103	Packaging Code		
		2	0080	Number of containers		
TD5	H	Carrier Routing				
		1	0133	Routing Sequence Code		B
		2	0066	Identification Code Qualifier	M	2=SCAC Code
		3	0067	Identification Code	M	Carrier SCAC Code
REF	H	Shipment Level Detail				
		1	0128	Reference Number Qualifier	M	BM=BOL #
		2	0127	Reference Number	M	Bill of Lading #
N1	H	Name				
		1	0098	Entity Identifier Code	M	ST=Ship To
		2	0093	Name	M	Ship to Name
		3	0066	Identification Code Qualifier	M	92=Assigned by Buyer
		4	0067	Identification Code	M	Buyer ID
N1	H	Name				
		1	0098	Entity Identifier Code	M	SU=Supplier
		2	0093	Name	M	Supplier Name
		3	0066	Identification Code Qualifier	M	92=Assigned by Buyer
		4	0067	Identification Code	M	Supplier Duns Number
HL	D	Hierarchical Level				
		1	0628	Hierarchical ID Number	M	Increment by 1
		2	0734	Hierarchical Parent ID Number	M	ID Number of Parent
		3	0735	Hierarchical Level Code	M	O=Order Level

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PRF	D	Purchase Order Reference				
		1	0350	Assigned Identification	M	Blanket PO Number
		2	0328	Release Number	M	Release PO Number
				NOTE: If no Blanket PO has been established, PRF01 and PRF02 will be the same.		
				Format for Blanket PO, if applicable, is TWxxxxxxx where x is numeric.		
				Format for Release Number or non-Blanket PO number is Mxxxxxxx or Bxxxxxxx		
HL	D	Hierarchical Level				
		1	0628	Hierarchical ID Number	M	Increment by 1
		2	0734	Hierarchical Parent ID Number	M	ID Number of Parent
		3	0735	Hierarchical Level Code	M	I=Item Level
LIN	D	Item Identification				
		1	0350	Assigned Identification	M	TW Metals PO Line Number
		2	0235	Product/Service ID Qualifier	M	BP = Buyer Part Number
		3	0234	Product/Service ID	M	TW Metals Part Number
		4	0235	Product/Service ID	M	HN=Heat Treatment Number
		5	0234	Product/Service ID Qualifier	M	Heat Treatment
		6	0235	Product/Service ID		VP=Vendor Part Number
		7	0234	Product/Service ID Qualifier		Vendor Part Number
		8	0235	Product/Service ID Qualifier	M	LT=Lot Number
		9	0234	Product/Service ID Qualifier	M	Lot Number or Mill Order Number
				NOTE: The Mill order number should not include blanks or special characters		
		10	0235	Product/Service ID	M	"ZZ" Mutually defined Country of Manufacture
		11	0234	Product/Service ID Qualifier	M	Country of Manufacture
		12	0235	Product/Service ID	M	"ZZ" Mutually defined Partial/Complete Ship
		13	0234	Product/Service ID Qualifier	M	P=Partial Shipment, C=Complete
SN1	D	Item Detail Shipment				
		2	0382	Number of units shipped	M	Quantity Shipped
		3	0355	Unit of Measurement Code	M	LB or FT
		4	0646	Quantity Shipped to Date	M	Cumulative Qty Shipped
		5	0330	Quantity Ordered	M	Total Quantity Ordered

**TW Metals**

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MEA	D	Measurements					Bar and Tube only
		1	0737	Measurement Reference ID Cd		PD=Physical Dim.	
		2	0738	Measurement Qualifier		LN	
		3	0739	Measurement Value		Unit length	Unit Length in FEET
				NOTE: Required for Bar and Tube. Length should include decimals			
		4	0355	Unit of Measure Code		FT	
		19	0740	Range Minimum		Minimum Length	For UOM=FT
		20	0741	Range Maximum		Maximum Length	For UOM=FT
CTT	T	Transaction Totals					
		1	354	Number of Line Items	M	# of LIN Segments	
SE	T	Transaction Set Trailer					
		1	0096	Number of Included Segments	M	*SEG#	
		2	0329	Transaction Set Control Number	M	*CNTL#	

**TW Metals**

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**Sample Data**

ST~856~017520001  
BSN~00~932631 0001~040518~211127  
DTM~011~040518~153400~CT~20  
HL~1~~S  
MEA~PD~N~2020~LB  
MEA~PD~G~2064~LB  
TD1~CNT71~2  
TD5~B~2~MPSZ  
REF~BM~914183  
N1~ST~TW METALS-ATLANTA~92~ATLA  
N1~SU~EDI VENDOR~92~0012345  
HL~2~1~O  
PRF~M49107858~M49107858  
HL~3~2~I  
LIN~001~BP~01995~LT~63808019~VP~01995 UABC 3.25X.250~HN~017111~ZZ~USA~ZZ~C  
SN1~~2020~LB  
MEA~PD~WT~46~LB  
CTT~001  
SE~19~017520001