856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

Notes to Trading Partner:

The HL Shipment and HL Item Level loops are required.

The HL Order Level Loop should only be used by Primary Metals suppliers. Primary metals applies to shipments of coils of steel.

When the HL Order Level Loop is used, use the HL Item Level Loop specified for use with the HL Order Level Loop. The requirements for the HL Item Level Loop are different than the requirements for the HL Item Level Loop that is to be used for non-primary-metals shipments.

Heading:

Adient Attributes	Pos. No.	Seg. ID	Name	Base Attributes	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		
Must Use	040	DTM	Date/Time Reference	O	2		

Detail:

Adient Attributes	Pos. No.	Seg. ID	Name	Base Attributes	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1	
M	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		c1
Must Use	080	MEA	Measurements	O	2		
Must Use	110	TD1	Carrier Details (Quantity and Weight)	O	1		
Must Use	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Must Use	130	TD3	Carrier Details (Equipment)	O	1		
	140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Must Use	150	REF	Reference Identification	O	>1		
			LOOP ID - N1			2	
Must Use	220	N1	Name	O	1		
	260	REF	Reference Identification	O	3		
	300	ETD	Excess Transportation Detail	O	1		
			LOOP ID - SAC			>1	

	320	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
			LOOP ID - HL			99999
Must Use	010	HL	Hierarchical Level - ORDER LEVEL - PRIMARY METALS SUPPLIERS ONLY	O	1	
Must Use	020	LIN	Item Identification	O	1	
Must Use	030	SN1	Item Detail (Shipment)	O	1	
Must Use	050	PRF	Purchase Order Reference	O	1	
			LOOP ID - HL			99999
Must Use	010	HL	Hierarchical Level - ITEM LEVEL - PRIMARY METALS SUPPLIERS ONLY	O	1	
Must Use	080	MEA	Measurements	O	1	
Must Use	150	REF	Reference Identification	O	1	
			LOOP ID - CLD			200
	170	CLD	Load Detail	O	1	
	180	REF	Reference Identification	O	200	
			LOOP ID - HL			99999
M	010	HL	Hierarchical Level - ITEM LEVEL - NON-PRIMARY-METALS SUPPLIERS	M	1	
Must Use	020	LIN	Item Identification	O	1	
Must Use	030	SN1	Item Detail (Shipment)	O	1	
Must Use	050	PRF	Purchase Order Reference	O	1	
	150	REF	Reference Identification	O	>1	
			LOOP ID - CLD			200
	170	CLD	Load Detail	O	1	
	180	REF	Reference Identification	O	200	
	300	ETD	Excess Transportation Detail	O	1	
			LOOP ID - SAC			1
	320	SAC	Service, Promotion, Allowance, or Charge Information	O	1	

Summary:

Adient Attributes	Pos. No.	Seg. ID	Name	Base Attributes	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	O	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Business Rules: Variable Name: STST
Notes: **Data Examples**

```
ST*856*9360001~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Segment: **BSN** **Beginning Segment for Ship Notice**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: **1** If BSN07 is present, then BSN06 is required.
Semantic Notes: **1** BSN03 is the date the shipment transaction set is created.
2 BSN04 is the time the shipment transaction set is created.
3 BSN06 is limited to shipment related codes.
Comments: **1** BSN06 and BSN07 differentiate the functionality of use for the transaction set.
Notes: **Data Examples**

BSN*00*DY12386718*20180112*1430~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original	**M ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment **Adient Notes:** The shipment identification number (ASN number) must be unique and cannot be repeated within a one-year period. Adient recommends using the packing list number as the ASN number.	**M AN 2/30**
M	**BSN03**	**373**	**Date** Date expressed as CCYYMMDD **Adient Notes:** ASN Creation Date	**M DT 8/8**
M	**BSN04**	**337**	**Time** 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) **Adient Notes:** ASN Creation Time	**M TM 4/8**

Segment: **DTM** **Date/Time Reference**
Position: 040
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **Adient Notes**

Adient requires the DTM(011) segment, but the DTM(017) segment is optional.

Data Examples

```
DTM*011*20180112*1430*ET~
DTM*017*20180113*0800*ET~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped 017 Estimated Delivery	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD **Adient Notes:** When DTM01 = "011", this will be the shipment date When DTM01 = "017", this will be the estimated delivery date	**X DT 8/8**
Must Use	**DTM03**	**337**	**Time** 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) **Adient Notes:** When DTM01 = "011", this will be the shipment time When DTM01 = "017", this will be the estimated delivery time	**X TM 4/8**
	DTM04	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow **Adient Notes:** When DTM01 = "011", this will be the shipment origin time zone When DTM01 = "017", this will be the destination time zone Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**

Segment: **HL** **Hierarchical Level - SHIPMENT LEVEL**
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

HL*1**S~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure S Shipment	**M**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Segment: **MEA** **Measurements**
Position: 080
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: **Adient Notes**

HL Shipment Level Loop

Two MEA segments are required at the Shipment Level to provide shipment gross and net weight information.

Data Examples

```
MEA*PD*G*1020*LB~
MEA*PD*N*1018*LB~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
Must Use	**MEA01**	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies PD Physical Dimensions	**O ID 2/2**
Must Use	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies G Gross Weight N Actual Net Weight	**O ID 1/3**
Must Use	**MEA03**	**739**	**Measurement Value** The value of the measurement	**X R 1/20**
	MEA04	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**
M	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken KG Kilogram LB Pound	**M ID 2/2**

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 110
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1 If TD101 is present, then TD102 is required.
2 If TD103 is present, then TD104 is required.
3 If TD106 is present, then TD107 is required.
4 If either TD107 or TD108 is present, then the other is required.
5 If either TD109 or TD110 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

TD1*PLT71*3~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
Must Use	**TD101**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	**O AN 3/5**
Must Use	**TD102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**X N0 1/7**

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 120
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:
1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.
Semantic Notes:
1 TD515 is the country where the service is to be performed.
Comments:
1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

TD5*B*2*AMML*M~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
Must Use	**TD501**	**133**	**Routing Sequence Code**		**O**	**ID 1/2**
			Code describing the relationship of a carrier to a specific shipment movement			
			B	Origin/Delivery Carrier (Any Mode)		
Must Use	**TD502**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			2	Standard Carrier Alpha Code (SCAC)		
Must Use	**TD503**	**67**	**Identification Code**		**X**	**AN 2/80**
			Code identifying a party or other code			
			Adient Notes:			
			SCAC Code			
Must Use	**TD504**	**91**	**Transportation Method/Type Code**		**X**	**ID 1/2**
			Code specifying the method or type of transportation for the shipment			
			Adient Notes:			
			Any valid X12 code except ZZ			
	TD507	**309**	**Location Qualifier**		**O**	**ID 1/2**
			Code identifying type of location			
			Adient Notes:			
			If TD504 = 'A', use code value "OR", meaning Origin (Shipping Point).			
			OR	Origin (Shipping Point)		
			PP	Pool Point		
	TD508	**310**	**Location Identifier**		**X**	**AN 1/30**
			Code which identifies a specific location			
			Adient Notes:			
			If TD507 = "PP", this will be the pool point If TD507 = "OR", this will be the airport code (e.g. DTW for Detroit Metro Airport)			

Segment: **TD3** **Carrier Details (Equipment)**
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes:
1 Only one of TD301 or TD310 may be present.
2 If TD302 is present, then TD303 is required.
3 If TD304 is present, then TD305 is required.
4 If either TD305 or TD306 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

TD3*TL*DCBA*176391~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
Must Use	**TD301**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment **Adient Notes:** Any valid X12 code Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	TD302	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number	**O AN 1/4**
Must Use	**TD303**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	**X AN 1/10**

Segment: **TD4** **Carrier Details (Special Handling, or Hazardous Materials, or Both)**
Position: 140
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes: **1** At least one of TD401 TD402 or TD404 is required.
2 If TD402 is present, then TD403 is required.
Semantic Notes: **1** TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

TD4*HM*U*1234*HAZARDOUS MATERIALS~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
	TD401	**152**	**Special Handling Code** Code specifying special transportation handling instructions Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	TD402	**208**	**Hazardous Material Code Qualifier** Code which qualifies the Hazardous Material Class Code (209) Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 1/1**
	TD403	**209**	**Hazardous Material Class Code** Code specifying the kind of hazard for a material	**X AN 1/4**

Segment: **REF** **Reference Identification**
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop

The REF(BM) and REF(PK) segments are mandatory. If the shipment is sent via air, send the Air Waybill Number in the REF(BM) segment.

Data Examples

```
REF*BM*32688~
REF*PK*123640~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BM Bill of Lading Number PK Packing List Number	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Adient Notes:** If REF01 = "BM", this will be the bill-of-lading number If REF01 = "PK", this will be the packing list number	**X AN 1/30**

Segment: **N1** **Name**
Position: 220
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.
2 N105 and N106 further define the type of entity in N101.
Notes: **Adient Notes**

HL Shipment Level Loop/N1 Loop

Data Examples

N1*SF*SHIP-FROM NAME*92*399999~
N1*ST*ADIENT PLANT NAME*92*1351~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SF Ship From ST Ship To	**M ID 2/3**
	N102	**93**	**Name** Free-form name	**X AN 1/60**
Must Use	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code **Adient Notes:** When N101 = SF, this will contain the Adient-assigned supplier number When N101 = ST, this will contain the Adient plant's 4-digit site code	**X AN 2/80**

Segment: **REF** **Reference Identification**
Position: 260
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop/N1 Loop

Data Examples

```
REF*DK*C41~
REF*LF*Z2~
REF*RL*003~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location RL Reserve Assembly Line Feed Location	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Adient Notes:** If REF01 = "DK", this will contain the ship-to dock code If REF01 = "LF", this will contain the ship-to linefeed location If REF01 = "RL", this will contain the ship-to reserve linefeed location	**X AN 1/30**

Segment: **ETD** **Excess Transportation Detail**
Position: 300
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relating to premium transportation
Syntax Notes: **1** If either ETD03 or ETD04 is present, then the other is required.
Semantic Notes: **1** ETD03 qualifies the authorization number given in EDT04.
Comments:
Notes: **Adient Notes**

HL Shipment Level Loop

Data Examples

ETD*A*A*11*126407321~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**ETD01**	**626**	**Excess Transportation Reason Code** Code identifying the reason for shipment via premium transportation rather than the normal mode of transportation Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/2**
M	**ETD02**	**627**	**Excess Transportation Responsibility Code** Code identifying the organization responsible for paying the premium transportation costs A Customer Plant (Receiving Location) S Supplier Authority	**M ID 1/1**
	ETD03	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number	**X ID 2/3**
	ETD04	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **SAC** **Service, Promotion, Allowance, or Charge Information**
Position: 320
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.
Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3 SAC08 is the allowance or charge rate per unit.
4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7 SAC16 is used to identify the language being used in SAC15.
Comments:
1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes: **Adient Notes**

HL Shipment Level Loop/SAC Loop

Data Examples

SAC*C*D240***45097*******06~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes
M	**SAC01**	**248**	**Allowance or Charge Indicator**		**M ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			C	Charge	
Must Use	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**		**X ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			D240	Freight	
			D500	Handling	
			F180	Pallet	
			G760	Set-up	
			H550	Surcharge	
			I260	Transportation Direct Billing	
			I280	Transportation Vendor Provided	
	SAC05	**610**	**Amount**		**O N2 1/15**

Monetary amount

SAC12	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**

Code indicating method of handling for an allowance or charge

06 Charge to be Paid by Customer

Segment: **HL** **Hierarchical Level - ORDER LEVEL - PRIMARY METALS SUPPLIERS ONLY**
Position: 010
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: **Adient Notes**

HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY (shipments of coils of steel)

HL Order Level Loop not to be used if not shipping primary metals.

Data Examples

HL*2*1*O~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M AN 1/12**
Must Use	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure O Order	**M ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/1**

Segment: **LIN** **Item Identification**
Position: 020
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:
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.
Notes: **Adient Notes**

HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

LIN**BP*ZP13976-DP~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	**M**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service **Adient Notes:** Adient Item Number	**M**	**AN 1/48**

Segment: **SN1** **Item Detail (Shipment)**
Position: 030
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Syntax Notes: **1** If either SN105 or SN106 is present, then the other is required.
Semantic Notes: **1** SN101 is the ship notice line-item identification.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: **Adient Notes**

HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

SN1**60880*24*15148179~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**SN102**	**382**	**Number of Units Shipped**	**M**	**R 1/10**
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
M	**SN103**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			24 Theoretical Pounds		
	SN104	**646**	**Quantity Shipped to Date**	**O**	**R 1/15**
			Number of units shipped to date		

Segment: **PRF** **Purchase Order Reference**
Position: 050
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Semantic Notes: **1** PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: **Adient Notes**

HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

PRF*55019113~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**M AN 1/22**

Segment: **HL** **Hierarchical Level - ITEM LEVEL - PRIMARY METALS SUPPLIERS ONLY**
Position: 010
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: **Adient Notes**
HL Item Level Loop within HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY
Data Examples
HL*3*2*I~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**AN 1/12**
Must Use	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item	**M**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Segment: **MEA** **Measurements**
Position: 080
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: **Adient Notes**

HL Item Level Loop within HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

MEA*PD*WT*30440*01~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
Must Use	**MEA01**	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies PD Physical Dimensions	**O ID 2/2**
Must Use	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies WT Weight	**O ID 1/3**
Must Use	**MEA03**	**739**	**Measurement Value** The value of the measurement	**X R 1/20**
Must Use	**MEA04**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**
M	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 01 Actual Pounds	**M ID 2/2**

Segment: **REF** **Reference Identification**
Position: 150
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Item Level Loop within HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

REF*HC*843D66520~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification HC Heat Code	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Adient Notes:** Heat Code	**X AN 1/30**

Segment: **CLD** **Load Detail**
Position: 170
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the number of material loads shipped
Syntax Notes: **1** If CLD05 is present, then CLD04 is required.
Semantic Notes: **1** CLD05 is used to dimension the value given in CLD04.
Comments: **1** The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.
Notes: **Adient Notes**

HL Item Level Loop/CLD Loop within HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

CLD*1*30440***LB~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**CLD01**	**622**	**Number of Loads** Number of customer-defined loads shipped by the supplier	**M N0 1/5**
M	**CLD02**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M R 1/10**

Segment: **REF** **Reference Identification**
Position: 180
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Item Level Loop/CLD Loop within HL Order Level Loop - PRIMARY METALS SUPPLIERS ONLY

Data Examples

REF*LS*932366-1A~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification LS Bar-Coded Serial Number	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **HL** **Hierarchical Level - ITEM LEVEL - NON-PRIMARY-METALS SUPPLIERS**
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: **Adient Notes**
HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop
Data Examples
HL*2*1*I~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**AN 1/12**
Must Use	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item	**M**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Segment: **LIN** **Item Identification**
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:
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.
Notes: **Adient Notes**

HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

LIN**BP*ZP13976-DP*EC*A~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	**M**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service **Adient Notes:** Adient Item Number	**M**	**AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC Engineering Change Level	**X**	**ID 2/2**
	LIN05	**234**	**Product/Service ID** Identifying number for a product or service **Adient Notes:** Engineering Change Level	**X**	**AN 1/48**

Segment: **SN1** **Item Detail (Shipment)**
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Syntax Notes: **1** If either SN105 or SN106 is present, then the other is required.
Semantic Notes: **1** SN101 is the ship notice line-item identification.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: **Adient Notes**

HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

SN1**16000*EA*48000~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M R 1/10**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
	SN104	**646**	**Quantity Shipped to Date** Number of units shipped to date	**O R 1/15**

Segment: **PRF** **Purchase Order Reference**
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Semantic Notes: **1** PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: **Adient Notes**

HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

PRF*55026043~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**M AN 1/22**

Segment: **REF** **Reference Identification**
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

```
REF*DK*D10~
REF*LF*321~
REF*P8*020118T1117CR~
REF*RL*1A~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location P8 Pickup Reference Number RL Reserve Assembly Line Feed Location	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Adient Notes:** If REF01 = "DK", this will be the ship-to dock code If REF01 = "LF", this will be the ship-to linefeed location If REF01 = "P8", this will be the pickup reference number If REF01 = "RL", this will be the ship-to reserve linefeed location	**X AN 1/30**

Segment: **CLD** **Load Detail**
Position: 170
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the number of material loads shipped
Syntax Notes: **1** If CLD05 is present, then CLD04 is required.
Semantic Notes: **1** CLD05 is used to dimension the value given in CLD04.
Comments: **1** The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.
Notes: **Adient Notes**

HL Item Level Loop/CLD Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

CLD*3*2700~PLT90~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**CLD01**	**622**	**Number of Loads** Number of customer-defined loads shipped by the supplier	**M**	**N0 1/5**
M	**CLD02**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M**	**R 1/10**
Must Use	**CLD03**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**AN 3/5**

Segment: **REF** **Reference Identification**
Position: 180
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **Adient Notes**

HL Item Level Loop/CLD Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

REF*LS*11193193~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification LS Bar-Coded Serial Number	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **ETD** **Excess Transportation Detail**
Position: 300
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relating to premium transportation
Syntax Notes: **1** If either ETD03 or ETD04 is present, then the other is required.
Semantic Notes: **1** ETD03 qualifies the authorization number given in EDT04.
Comments:
Notes: **Adient Notes**

HL Item Level Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

ETD*A*A*11*126407321~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**ETD01**	**626**	**Excess Transportation Reason Code** Code identifying the reason for shipment via premium transportation rather than the normal mode of transportation Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 1/2**
M	**ETD02**	**627**	**Excess Transportation Responsibility Code** Code identifying the organization responsible for paying the premium transportation costs A Customer Plant (Receiving Location) S Supplier Authority	**M ID 1/1**
	ETD03	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number	**X ID 2/3**
	ETD04	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **SAC** **Service, Promotion, Allowance, or Charge Information**
Position: 320
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.
Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3 SAC08 is the allowance or charge rate per unit.
4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7 SAC16 is used to identify the language being used in SAC15.
Comments:
1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes: **Adient Notes**

HL Item Level Loop/SAC Loop - NON-PRIMARY-METALS SUPPLIERS - No HL Order Level Loop

Data Examples

SAC*C*D240***45097*******06~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**SAC01**	**248**	**Allowance or Charge Indicator**	**M ID 1/1**
			Code which indicates an allowance or charge for the service specified	
			C Charge	
Must Use	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X ID 4/4**
			Code identifying the service, promotion, allowance, or charge	
			D240 Freight	
			D500 Handling	
			F180 Pallet	
			G760 Set-up	
			H550 Surcharge	
			I260 Transportation Direct Billing	
			I280 Transportation Vendor Provided	

SAC05	**610**	**Amount**	**O**	**N2 1/15**
		Monetary amount		
SAC12	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**
		Code indicating method of handling for an allowance or charge		
		06 Charge to be Paid by Customer		

Segment: **CTT** **Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: **Data Examples**

```
CTT*2*165200~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**
Must Use	**CTT02**	**347**	**Hash Total** Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	**O**	**R 1/10**

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: **Data Examples**

```
SE*53*9360001~
```

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Data Examples

Non-Primary-Metals ASN

ISA*00* *00* *01*987654321 *01*125658950
*170831*1858*U*00401*000060514*0*P*>~
GS*SH*987654321*125658950*20170831*1858*60526*X*004010~
ST*856*000001~
BSN*00*529926*20170831*1858~
DTM*011*20170831*1856*ET~
DTM*017*20170831*2100*ET~
HL*1**S~
MEA*PD*G*603*LB~
MEA*PD*N*600*LB~
TD1*CNT79*3~
TD5*B*2*CUST*M~
TD3*TL**6015008~
REF*BM*529926~
REF*PK*389173~
N1*SF*SHIP-FROM NAME*92*399999~
N1*ST*CRH NORTH AMERICA INC*92*1351~
REF*DK*C41~
HL*2*1*I~
LIN**BP*P2216771*EC*A~
SN1**700*EA*4900~
PRF*55120006~
HL*3*1*I~
LIN**BP* P2216772~
SN1**1170*EA*7650~
PRF*55120006~
CTT*2*1870~
SE*25*000001~
GE*1*60526~
IEA*1*000060514~

Primary Metals ASN

ISA*00* *00* *01*123456789 *14*197511236
*171106*0850*U*00300*000004803*0*P*>~
GS*SH*123456789*197511236*20171106*0850*4803*X*004010~
ST*856*4806~
BSN*00*1286369*20171106*0850~
DTM*011*20171106*0850*ET~
HL*1**S~
MEA*PD*G*75863*LB~
MEA*PD*N*75863*LB~
TD1*COL52*3~
TD5*B*2*AMML*M~
TD3*TL**0534~
REF*BM*1286369~
REF*PK*1286369~
N1*SF**92*311111~
N1*ST**92*0872~
REF*DK*C41~
HL*2*1*O~
LIN**BP*6228~
SN1**60880*24*15148179~
PRF*55019107~
HL*3*2*I~

MEA*PD*WT*30440*01~
REF*HC*843D66520~
CLD*1*30440~
REF*LS*936640-1A~
HL*4*2*I~
MEA*PD*WT*30440*01~
REF*HC*843D66520~
CLD*1*30440~
REF*LS*936640-1B~
HL*5*1*O~
LIN**BP*608800S~
SN1**14983*24*19173625~
PRF*55019107~
HL*6*5*I~
MEA*PD*WT*14983*01~
REF*HC*842B40020~
CLD*1*14983~
REF*LS*915022-1B~
CTT*6*75863~
SE*39*4806~
GE*1*4803~
IEA*1*000004803~