

869 Order Status Inquiry

FUNCTIONAL GROUP ID - **RS**

This standard provides the format and establishes the data contents of an order status inquiry transaction set. The order status inquiry transaction set provides the ability to request all pertinent information relative to an entire purchase order, selected line items on a purchase order, or selected products/services on a purchase order. Inquiry can also be made for all or a selected portion of the customer's ordered items, all or a selected portion of the customer's unshipped items, or all or a selected portion of the customer's shipped items.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
2	010	ST	Transaction Set Header	M	1	
3	020	BSI	Beginning Segment for Order Status Inquiry	M	1	
4	030	NTE	Note/Special Instruction	O	100	

Detail

5	010	HL	Hierarchical Level	M	1	1000
6	020	PRF	Purchase Order Reference	O	1	
7	030	DTM	Date/Time Reference	O	10	
8	040	REF	Reference Numbers	O	12	
10	050	N1	Name	O	1	200
13	060	N2	Additional Name Information	O	2	
14	070	N3	Address Information	O	2	
15	080	N4	Geographic Location	O	1	
16	090	REF	Reference Numbers	O	12	
18	100	PER	Administrative Communications Contact	O	3	
19	110	LIN	Item Identification	O	1	
22	120	PID	Product/Item Description	O	1000	
23	130	MEA	Measurements	O	40	

Summary

24	010	CTT	Transaction Totals	M	1	
25	020	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header

Level: Header

Loop: _____

Usage: Mandatory

Max Use: 1

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

Comments: **A** The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	
		869 X12.11 Order Status Inquiry	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a transaction set.	

Segment: **BSI** Beginning Segment for Order Status Inquiry
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an order status inquiry and to provide the type of customer status inquiry.
Comments: **A** BSI01 is a status inquiry reference number.
B BSI02 is date of the inquiry.
C BSI06 is time of the inquiry.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES	
BSI01	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	M AN	1/30
BSI02	373	Date Date (YYMMDD).	M DT	6/6
BSI03	847	Order/Item Code Code identifying a group of orders and items.	M ID	1/2
BSI04	848	Product/Date Code Code indicating whether the inquiry is based on products and/or date parameters.	O ID	1/2
BSI05	849	Location Code Code indicating the selection of a supplier's and/or buyer's locations or group of locations.	O ID	1/2
BSI06	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4

Segment: **NTE** Note/Special Instruction
Level: Header
Loop: ____
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Comments: **A** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the "NTE" segment should therefore be avoided, if at all possible, in an automated environment.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES	
NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies.	O ID	3/3
Recommended by PIDX				
NTE02	3	Free Form Message Free-form text.	M AN	1/60

Segment: HL Hierarchical Level
Level: Detail
Loop: HL **Repeat:** 1000
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

- Comments:**
- A** 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.
 - B** 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.
 - C** HL02 identifies the Hierarchical ID Number of the HL segment to which the current HL segment is subordinate.
 - D** 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.
 - E** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
 - F** The HL segment defines a top-down/left-right ordered structure.

Notes: HL is recommended for use on construction projects and downstream maintenance turnaround procurement. Suggest that others use a sequential numbering.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.	M AN 1/2
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 1/2
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure.	M ID 1/2
HL04	736	Hierarchical Child Code Code indicating whether if there are hierarchical child data segments subordinate to the level being described.	O ID 1/1

Segment: PRF Purchase Order Reference
Level: Detail
Loop: HL
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order
Notes: Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	M AN 1/22
PRF02	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O AN 1/30
Recommended by PIDX			
Recommended for use on blanket orders or contracts.			
PRF03	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.	O AN 1/8
Recommended by PIDX			
Trading partners will need to mutually determine if the status inquiry covers the content of the referenced change order/revision or the entire order and subsequent changes/revisions.			
PRF04	323	Purchase Order Date Date assigned by the purchaser to Purchase Order.	O DT 6/6
PRF05	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/6
Not Recommended by PIDX			
PRF06	367	Contract Number Contract number.	O AN 1/30

Segment: **DTM** Date/Time Reference
Level: Detail
Loop: HL
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 At least one of DTM02 or DTM03 must be present.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	M ID 3/3
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4
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.	O ID 2/2

Segment: **REF** Reference Numbers
Level: Detail
Loop: HL
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: 1 Either REF02 or REF03 is required.
Notes: **Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		A1 Analysis number/Test number	
		AG Agent's Shipment Number	
		AN Associated Purchase Orders	
		AW Air Waybill Number	
		BK Broker's Order Number	
		BL Government Bill of Lading	
		BM Bill of Lading Number	
		BN Booking Number	
		BT Batch Number	
		C5 Customer Tracking Number For Loaned Materials	
		C6 Carnet Number	
		CG Consignee's Order Number	
		CO Customer Order Number	
		CR Customer Reference Number	
		D2 Supplier Document Identification Number	
		DC Dealer purchase order number	
		DD Document Identification Code	
		DG Drawing Number	
		DO Delivery Order Number	
		FI File Identifier	
		FN Forwarder's/Agent's Reference Number	
		IA Internal Vendor Number	
		IL Internal Order Number	
		IT Internal Customer Number	
		NN Nonconformance Report Number	

		NX Related Nonconformance Number			
		OB Ocean Bill of Lading			
		ON Dealer Order Number			
		PD Promotion/Deal Number			
		QR Quality Report Number			
		R8 Rental Agreement Number			
		RF Export Reference Number			
		RN Run Number			
		SI Shipper's Identifying Number for Shipment (SID)			
		SO Shipper's Order (Invoice Number)			
		SW Seller's Sale Number			
		VN Vendor Order Number			
		WY Rail Waybill Number			
		ZZ Mutually Defined			
REF02	127	Reference Number	C AN	1/30	
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
		Recommended by PIDX			
REF03	352	Description	C AN	1/80	
		A free-form description to clarify the related data elements and their content.			
		Not Recommended by PIDX			

Segment: N1 Name
Level: Detail
Loop: HL/N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: 1 At least one of N102 or N103 must be present.
 2 If either N103 or N104 is present, then the other is required.
Comments: A 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.
Notes: Recommend use of DUNS +4 Thereby eliminating need for N2, N3, N4.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	
		AC Air Cargo Company	
		AG Agent	
		AI Airline	
		BY Buying Party (Purchaser)	
		CQ Corporate Office	
		DA Delivery Address	
		DB Distributor Branch	
		DC Destination Carrier	
		DL Dealer	
		DR Destination Drayman	
		DS Distributor	
		DU Resale Dealer	
		EX Exporter	
		FW Forwarder	
		IC Intermediate Consignee	
		IK Intermediate Carrier	
		IM Importer	
		IS Party to Receive Certified Inspection Report	
		LP Loading Party	
		MC Motor Carrier	

MF	Manufacturer of Goods
MP	Manufacturing Plant
OC	Origin Carrier
OI	Outside Inspection Agency
OV	Owner of Vessel
OW	Owner of Property or Unit
PG	Prime Contractor
PH	Printer
PI	Publisher
PT	Party to Receive Test Report
RF	Refinery
RR	Railroad
SE	Selling Party
SF	Ship From
SH	Shipper
SI	Shipping Schedule Issuer
SN	Store
SP	Party filling Shipper's Order
SS	Steamship Company
SU	Supplier/Manufacturer
VN	Vendor
ZZ	Mutually Defined

N102 93 Name C AN 1/35
Free-form name.

Not Recommended by PIDX

If using the recommended DUNS +4 in N103/N104, a free-form name is not required.

N103 66 Identification Code Qualifier C ID 1/2
Code designating the system/method of code structure used for Identification Code (67).

Recommended by PIDX

30	American Petroleum Institute Location Code
31	American Petroleum Institute Company Code
9	DUNS with 4-character suffix Recommended by PIDX
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

N104 67 Identification Code C ID 2/17

Code identifying a party.

Recommended by PIDX

FINAL

Segment: **N2** Additional Name Information
Level: Detail
Loop: HL/N1
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

FINAL

Segment: **N3** Address Information
Level: Detail
Loop: HL/N1
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

FINAL

Segment: **N4** Geographic Location
Level: Detail
Loop: HL/N1
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax: 1 At least one of N401 or N405 must be present.
 2 If N401 is present, then N402 is required.
 3 If either N405 or N406 is present, then the other is required.
Comments: A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
 B N402 is required only if city name (N401) is in the USA or Canada.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N401	19	City Name Free-form text for city name. Recommended by PIDX	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) defined by appropriate governmental agencies. Recommended by PIDX	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States). Recommended by PIDX	O ID 4/9
N404	26	Country Code Code identifying the country.	O ID 2/2
N405	309	Location Qualifier Code identifying type of location.	O ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

Segment: **REF** Reference Numbers
Level: Detail
Loop: HL/N1
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: 1 Either REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		A1 Analysis number/Test number	
		AG Agent's Shipment Number	
		AN Associated Purchase Orders	
		AW Air Waybill Number	
		BK Broker's Order Number	
		BL Government Bill of Lading	
		BM Bill of Lading Number	
		BN Booking Number	
		BT Batch Number	
		C5 Customer Tracking Number For Loaned Materials	
		C6 Carnet Number	
		CG Consignee's Order Number	
		CO Customer Order Number	
		CR Customer Reference Number	
		D2 Supplier Document Identification Number	
		DC Dealer purchase order number	
		DD Document Identification Code	
		DG Drawing Number	
		DO Delivery Order Number	
		FI File Identifier	
		FN Forwarder's/Agent's Reference Number	
		IA Internal Vendor Number	
		IL Internal Order Number	
		IT Internal Customer Number	
		NN Nonconformance Report Number	
		NX Related Nonconformance Number	

		OB Ocean Bill of Lading	
		ON Dealer Order Number	
		PD Promotion/Deal Number	
		QR Quality Report Number	
		R8 Rental Agreement Number	
		RF Export Reference Number	
		RN Run Number	
		SI Shipper's Identifying Number for Shipment (SID)	
		SO Shipper's Order (Invoice Number)	
		SW Seller's Sale Number	
		VN Vendor Order Number	
		WY Rail Waybill Number	
		ZZ Mutually Defined	
REF02	127	Reference Number	C AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
		Recommended by PIDX	
REF03	352	Description	C AN 1/80
		A free-form description to clarify the related data elements and their content.	
		Not Recommended by PIDX	

Segment: PER Administrative Communications Contact
Level: Detail
Loop: HL/N1
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 If PER03 is present, then PER04 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named.	M ID 2/2
PER02	93	Name Free-form name.	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number.	O ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 7/21

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

Comments: A See the Data Dictionary for a complete list of ID's.
 B LIN01 is the line item identification
 C LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/6
Recommended by PIDX			
Recommend using the PO line item number.			
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service.	M AN 1/30
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service.	C AN 1/30

LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN09	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN11	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN13	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN15	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN17	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN19	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN21	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN23	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN25	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN27	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2

LIN29	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN31	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

FINAL

Segment: **PID** Product/Item Description
Level: Detail
Loop: HL
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax: 1 If PID04 is present, then PID03 is required.
 2 At least one of PID04 or PID05 must be present.
Comments: A When PID01 is "F", PID04 is not used.
 B Use PID03 to indicate the organization that publishes the code list being referred to.
 C PID04 should be used for industry-specific product description codes.
 D Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Notes: Not Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described.	O ID 2/3
PID03	559	Association Qualifier Code Code identifying the association assigning the code values.	C ID 2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic.	C ID 1/12
PID05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described.	O ID 2/2

Segment: **MEA** Measurements
Level: Detail
Loop: HL
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimensions, tolerances, weights and counts.
Syntax: 1 Either MEA03 or MEA05 or MEA06 or MEA08 is required.
 2 If either MEA03, MEA05 or MEA06 is used, MEA04 is required.
 3 If MEA07 is used MEA03 is required.
 4 Either MEA08 or MEA03 may be used, but not both.
Comments: A 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: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited.	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	O ID 1/3
MEA03	739	Measurement Value The value of the measurement.	C R 1/10
MEA04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
MEA05	740	Range Minimum The value specifying the minimum of the measurement range.	C R 1/10
MEA06	741	Range Maximum The value specifying the maximum of the measurement range.	C R 1/10
MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value.	O ID 2/2
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined.	C ID 2/2
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described.	O ID 2/2

Segment: **CTT** Transaction Totals
Level: Summary
Loop: _____
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax: 1 If CTT03 is present, then CTT04 is required.
 2 If CTT05 is present, then CTT06 is required.
Comments: A This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CTT01	354	Number of Line Items Total number of line items in the transaction set.	M NO 1/6
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 leftmost digits if the sum is greater than the maximum size of the hash total of the data element.	O R 1/10

Example:

-0018	First occurrence of value being hashed.
.18	Second occurrence of value being hashed.
1.8	Third occurrence of value being hashed.
<u>18.01</u>	Fourth occurrence of value being hashed.
1855	Hash total prior to truncation.
855	Hash total after truncation to three-digit field.

Recommended by PIDX

CTT03	81	Weight Numeric value of weight.	O R 1/8
CTT04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
CTT05	183	Volume Value of volumetric measure.	O R 1/8
CTT06	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
CTT07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Not Recommended by PIDX

Segment: **SE** Transaction Set Trailer
Level: Summary
Loop: ____
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).
Comments: A SE is the last segment of each transaction set.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M NO 1/6
SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9