



# **830 - Material Release**

**VERSION: 1.2**

**Dura Automotive Systems, LLC  
March 24, 2011**

# 830

## Planning Schedule with Release Capability

### Functional Group=PS

This standard contains the format and establishes the data contents of the Planning Schedule with Release Capability Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations. The planning schedule transaction may be used in various ways or in a combination of ways, such as: (1) a simple forecast; (2) a forecast with the buyer's authorization for the seller to commit to resources, such as labor or material; (3) a forecast that is also used as an order release mechanism, containing such elements as resource authorizations, period-to-date cumulative quantities, and specific ship/delivery patterns for requirements that have been represented in "buckets," such as weekly, monthly, or quarterly. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

#### 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	BFR	Beginning Segment for Planning Schedule	M	1			Must use
<b>LOOP ID - N1</b>					<b>4</b>		
230	N1	Name	O	1			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>
<b>LOOP ID - LIN</b>					<b>&gt;1</b>		
010	LIN	Item Identification	M	1			Must use
020	UIT	Unit Detail	O	1			Used
080	PID	Product/Item Description	O	1			Used
140	REF	Reference Identification	O	1			Used
230	ATH	Resource Authorization	O	2			Used
<b>LOOP ID - FST</b>					<b>&gt;1</b>		
410	FST	Forecast Schedule	O	1		N2/410	Used
<b>LOOP ID - SHP</b>					<b>2</b>		
470	SHP	Shipped/Received Information	O	1			Used
480	REF	Reference Identification	O	1			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

#### Notes:

2/410 At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.

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

***Dura Note 1:***

*The 830 always provides a forecast of part demand.*

*The 830 also provides authorization to ship for parts not on the Dura facility pull system. Parts under pull system control will receive ship authorization separate from the 830.*

***Dura Note 2:***

*Raw and Fab authorization quantity inclusion in the 830 is dependent upon the Dura facility issuing the transaction.*

*For those facilities which do not include the ATH segment, authorization quantities can be determined from the information available within the 830 and authorization horizons specified in the purchase order.*

# ST

## Transaction Set Header

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

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	Transaction Set Identifier Code <b>Description:</b> Code uniquely identifying a Transaction Set <b>Dura Note 1::</b> Use "830". All valid standard codes are used.	M	ID	3/3	Must use
ST02	329	Transaction Set Control Number <b>Description:</b> 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	Must use

### Semantics:

- The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 830 selects the Material Release Transaction Set).

# BFR

## Beginning Segment for Planning Schedule

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

To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
BFR01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set <div><b>Dura Note 1::</b> Normally, all parts will be released together. However, on an exception basis, replacement schedules will be issued for a subset of active parts using the "05" replacement code (rather than the more appropriate "04" change code).</div> <table><tr><th>Code</th><th>Name</th></tr><tr><td>05</td><td>Replace</td></tr></table>	Code	Name	05	Replace	M	ID	2/2	Must use
Code	Name									
05	Replace									
BFR02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <div><b>Dura Note 1::</b> Release Number: Uniquely identifies releases.</div> <div><b>Dura Note 2::</b> Format will vary by Dura Division. All release numbers will be an increasing (but not necessarily sequential) number.</div>	C	AN	1/30	Must use				
BFR04	675	<b>Schedule Type Qualifier</b> <b>Description:</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast <table><tr><th>Code</th><th>Name</th></tr><tr><td>SH</td><td>Shipment Based</td></tr></table>	Code	Name	SH	Shipment Based	M	ID	2/2	Must use
Code	Name									
SH	Shipment Based									
BFR05	676	<b>Schedule Quantity Qualifier</b> <b>Description:</b> Code identifying the type of quantities used when defining a schedule or forecast <table><tr><th>Code</th><th>Name</th></tr><tr><td>A</td><td>Actual Discrete Quantities</td></tr></table>	Code	Name	A	Actual Discrete Quantities	M	ID	1/1	Must use
Code	Name									
A	Actual Discrete Quantities									
BFR06	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <div><b>Dura Note 1::</b> Horizon Start Date</div>	M	DT	8/8	Must use				
BFR07	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <div><b>Dura Note 1::</b> Horizon End date</div> <div><b>Dura Note 2::</b> This field should not be referred to. Horizon lengths may vary by part and are defined in each part's FST segments. In general, Dura plants attempt to provide a minimum horizon of six months.</div>	O	DT	8/8	Used				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BFR08	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>Dura Note 1::</b> <i>Generation Date</i>	M	DT	8/8	Must use

## Syntax:

1. BFR02 R0203 -- At least one of BFR02 or BFR03 is required.

## Semantics:

1. If BFR01 contains the value "04" (Net Change), BFR09 is required.
2. BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
3. BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
4. BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
5. BFR08 is the date forecast generated: The date the forecast data was generated.
6. BFR09 is the date forecast updated: The date the forecast was updated with "net change" data. (Used only when data element 353 in BFR01 contains the value "04", meaning net change.)

# N1

## Name

Pos: 230	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>MI</td><td>Planning Schedule/Material Release Issuer</td></tr><tr><td>SF</td><td>Ship From</td></tr><tr><td>ST</td><td>Ship To</td></tr><tr><td>SU</td><td>Supplier/Manufacturer</td></tr></table>	<u>Code</u>	<u>Name</u>	MI	Planning Schedule/Material Release Issuer	SF	Ship From	ST	Ship To	SU	Supplier/Manufacturer	M	ID	2/3	Must use
<u>Code</u>	<u>Name</u>															
MI	Planning Schedule/Material Release Issuer															
SF	Ship From															
ST	Ship To															
SU	Supplier/Manufacturer															
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>1</td><td>D-U-N-S Number or Dura Supplier ID</td></tr></table>	<u>Code</u>	<u>Name</u>	1	D-U-N-S Number or Dura Supplier ID	C	ID	1/2	Used						
<u>Code</u>	<u>Name</u>															
1	D-U-N-S Number or Dura Supplier ID															
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code <b>Dura Note 1:</b> <i>DUNS Number For MI &amp; ST, Dura supplier ID for SF &amp; SU</i>	C	AN	2/80	Used										

### Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are 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.
2. N105 and N106 further define the type of entity in N101.

### Dura Note 1::

Loop Repeat: 4

# LIN

## Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 6

To specify basic item identification data

### Element Summary:

Ref	Id	Element Name	Req	Tvpe	Min/Max	Usage				
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table><tr><th>Code</th><th>Name</th></tr><tr><td>BP</td><td>Buyer's Part Number</td></tr></table>	Code	Name	BP	Buyer's Part Number	M	ID	2/2	Must use
Code	Name									
BP	Buyer's Part Number									
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Must use				
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table><tr><th>Code</th><th>Name</th></tr><tr><td>PO</td><td>Purchase Order Number</td></tr></table>	Code	Name	PO	Purchase Order Number	C	ID	2/2	Must use
Code	Name									
PO	Purchase Order Number									
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/48	Used				
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table><tr><th>Code</th><th>Name</th></tr><tr><td>EC</td><td>Engineering Change Level</td></tr></table>	Code	Name	EC	Engineering Change Level	C	ID	2/2	Used
Code	Name									
EC	Engineering Change Level									
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/48	Used				

### Syntax:

1. LIN04 P0405 -- If either LIN04 or LIN05 are present, then the others are required.
2. LIN06 P0607 -- If either LIN06 or LIN07 are present, then the others are required.
3. LIN08 P0809 -- If either LIN08 or LIN09 are present, then the others are required.
4. LIN10 P1011 -- If either LIN10 or LIN11 are present, then the others are required.
5. LIN12 P1213 -- If either LIN12 or LIN13 are present, then the others are required.
6. LIN14 P1415 -- If either LIN14 or LIN15 are present, then the others are required.
7. LIN16 P1617 -- If either LIN16 or LIN17 are present, then the others are required.
8. LIN18 P1819 -- If either LIN18 or LIN19 are present, then the others are required.
9. LIN20 P2021 -- If either LIN20 or LIN21 are present, then the others are required.
10. LIN22 P2223 -- If either LIN22 or LIN23 are present, then the others are required.
11. LIN24 P2425 -- If either LIN24 or LIN25 are present, then the others are required.
12. LIN26 P2627 -- If either LIN26 or LIN27 are present, then the others are required.



13. LIN28 P2829 -- If either LIN28 or LIN29 are present, then the others are required.
14. LIN30 P3031 -- If either LIN30 or LIN31 are present, then the others are 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.

***Dura Note 1::***

*Loop Repeat: >1*

*There will be one LIN loop for each Item/PO combination. If there is more than one active PO for an item, LIN loops for each will be sequential within the transaction.*

# UIT

## Unit Detail

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

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> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Must use
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  <b>Dura Note 1::</b> <i>If using pieces as the unit of measure, use "PC" rather than "EA".</i>  All valid standard codes are used.	M	ID	2/2	Must use

### Syntax:

1. UIT03 C0302 -- If UIT03 is present, then UIT02 is required

# PID

## Product/Item Description

Pos: 080	Max: 1
Detail - Optional	
Loop: LIN	Elements: 2

To describe a product or process in coded or free-form format

### 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>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>F</td><td>Free-form</td></tr></table>				
<u>Code</u>	<u>Name</u>					
F	Free-form					
PID05	352	Description	C	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

### Syntax:

1. PID04 C0403 -- If PID04 is present, then PID03 is required
2. PID04 R0405 -- At least one of PID04 or PID05 is required.
3. PID07 C0703 -- If PID07 is present, then PID03 is required
4. PID08 C0804 -- If PID08 is present, then PID04 is required
5. PID09 C0905 -- If PID09 is present, then PID05 is required

### Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

### Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

# REF Reference Identification

Pos: 140	Max: 1
Detail - Optional	
Loop: LIN	Elements: 2

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	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use				
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>DK</td><td>Dock Number</td></tr></table>	<u>Code</u>	<u>Name</u>	DK	Dock Number				
<u>Code</u>	<u>Name</u>									
DK	Dock Number									
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used				

## Syntax:

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

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

# ATH Resource Authorization

Pos: 230	Max: 2
Detail - Optional	
Loop: LIN	Elements: 4

To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule

## 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>						
ATH01	672	<b>Resource Authorization Code</b> <b>Description:</b> Code identifying the resource which the buyer is authorizing the seller to commit to  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>FI</td><td>Finished (Labor, Material, and Overhead/Burden)</td></tr><tr><td>MT</td><td>Material</td></tr></table>	<u>Code</u>	<u>Name</u>	FI	Finished (Labor, Material, and Overhead/Burden)	MT	Material	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>											
FI	Finished (Labor, Material, and Overhead/Burden)											
MT	Material											
ATH02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>Dura Note 1::</b> <i>Resource Through Date</i>	C	DT	8/8	Used						
ATH03	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity <b>Dura Note 1::</b> <i>If ATH01 = "MT" then this data element is the material cumulative quantity.</i>  <i>If ATH01 is "FI" then this is the finished cumulative quantity, also known as the fabricated cumulative quantity.</i>	C	R	1/15	Used						
ATH05	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>Dura Note 1::</b> <i>Cummulative Start Date.</i>	C	DT	8/8	Used						

## Syntax:

1. ATH02 R0203 -- At least one of ATH02 or ATH03 is required.
2. ATH03 C0305 -- If ATH03 is present, then ATH05 is required
3. ATH04 C0405 -- If ATH04 is present, then ATH05 is required

## Semantics:

1. ATH02 is the resource authorization through date: The date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
2. ATH03 is the current cumulative requirements quantity: The cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
3. ATH05 is the cumulative start date: The date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.

## Comments:

1. It is imperative that negotiations defining financial commitment have previously occurred and are agreed to by both buyer and seller.

2. ATH04 is the maximum cumulative requirements quantity: The maximum cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02). This is a high water mark. If the forecast decreases, the current cumulative requirements quantity also decreases, but the maximum cumulative requirements quantity does not decrease.

# FST Forecast Schedule

Pos: 410	Max: 1
Detail - Optional	
Loop: FST	Elements: 4

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> <b>Description:</b> Numeric value of quantity <b>Dura Note 1::</b> Request ship quantity for the defined period. If a part is under pull system control, shipment authorization is via pull signals.	M	R	1/15	Must use						
FST02	680	<b>Forecast Qualifier</b> <b>Description:</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast <b>Dura Note 1::</b> If Material Releases are utilized to authorize shipment, a "Firm" designation will be used in near term FST segments.  If Pull Signals are utilized to authorize shipment, all FST segments will be designated as "Planning".  <b>Dura Note 2::</b> A "Firm" classification is not intended to imply that quantities or ship dates will not be changed in subsequently issued Material Releases.  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>C</td><td>Firm</td></tr><tr><td>D</td><td>Planning</td></tr></table>	<u>Code</u>	<u>Name</u>	C	Firm	D	Planning	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>											
C	Firm											
D	Planning											
FST03	681	<b>Forecast Timing Qualifier</b> <b>Description:</b> Code specifying interval grouping of the forecast  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>D</td><td>Discrete</td></tr><tr><td>W</td><td>Weekly Bucket (Monday through Sunday)</td></tr></table>	<u>Code</u>	<u>Name</u>	D	Discrete	W	Weekly Bucket (Monday through Sunday)	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>											
D	Discrete											
W	Weekly Bucket (Monday through Sunday)											
FST04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>Dura Note 1::</b> Designates the discrete date or first day of a weekly period. Weekly periods will start on a Monday.	M	DT	8/8	Must use						

## Syntax:

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

***Dura Note 1::***

*Loop Repeat: >1*



# SHP

## Shipped/Received Information

Pos: 470	Max: 1
Detail - Optional	
Loop: SHP	Elements: 6

To specify shipment and/or receipt information

### Element Summary:

Ref	Id	Element Name	Req	Tvpe	Min/Max	Usage						
SHP01	673	<b>Quantity Qualifier</b> <b>Description:</b> Code specifying the type of quantity  <table><tr><th>Code</th><th>Name</th></tr><tr><td>01</td><td>Discrete Quantity</td></tr><tr><td>02</td><td>Cumulative Quantity</td></tr></table>	Code	Name	01	Discrete Quantity	02	Cumulative Quantity	O	ID	2/2	Used
Code	Name											
01	Discrete Quantity											
02	Cumulative Quantity											
SHP02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity  <b>Dura Note 1::</b> <i>'Last Quantity Received' - when SHP01=01.</i> <i>'Period to Date Received' - when SHP01=02.</i>	C	R	1/15	Used						
SHP03	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time  <b>Dura Note 1::</b> <i>If SHP01 is "01" then the data element in SHP03 will contain "050" to indicate date received.</i>  <i>If SHP01 is "02" then the data element in SHP03 will be "051" to indicate the cumulative quantity start date.</i>  <table><tr><th>Code</th><th>Name</th></tr><tr><td>050</td><td>Received</td></tr><tr><td>051</td><td>Cumulative Quantity Start</td></tr></table>	Code	Name	050	Received	051	Cumulative Quantity Start	C	ID	3/3	Used
Code	Name											
050	Received											
051	Cumulative Quantity Start											
SHP04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD  <b>Dura Note 1::</b> <i>If SHP01 is "01" then the field is the date of last receipt.</i>  <i>If SHP01 is "02" then the field is the date from which cumulative received quantity is calculated.</i>	C	DT	8/8	Used						
SHP05	337	<b>Time</b> <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)	C	TM	4/8	Used						
SHP06	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD  <b>Dura Note 1::</b> <i>If SHP01 is "02" then the data element in SHP06 will indicate last receipt date.</i>	O	DT	8/8	Used						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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**Syntax:**

1. SHP01 C0102 -- If SHP01 is present, then SHP02 is required
2. SHP03 L030405 -- If SHP03 is present, then at least one of SHP04 or SHP05 is required.
3. SHP04 C0403 -- If SHP04 is present, then SHP03 is required
4. SHP05 C0503 -- If SHP05 is present, then SHP03 is required

**Semantics:**

1. SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
2. SHP06 is the cumulative quantity end date.

**Comments:**

1. The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
2. If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

**Dura Note 1::**

Loop Repeat: 2

# REF Reference Identification

Pos: 480	Max: 1
Detail - Optional	
Loop: SHP	Elements: 2

To specify identifying information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>SI</td><td>Shipper's Identifying Number for Shipment (SID) <b>Description:</b> A unique number (to the shipper) assigned by the shipper to identify the shipment</td></tr></table>	Code	Name	SI	Shipper's Identifying Number for Shipment (SID) <b>Description:</b> A unique number (to the shipper) assigned by the shipper to identify the shipment				
Code	Name									
SI	Shipper's Identifying Number for Shipment (SID) <b>Description:</b> A unique number (to the shipper) assigned by the shipper to identify the shipment									
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used				
		<b>Dura Note 1::</b> This data element indicates the identifying number for the shipment (SID alias ASN number).								

## Syntax:

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

## Semantics:

- REF04 contains data relating to the value cited in REF02.

### **Dura Note 1::**

*This REF segment with SID number of last receipt may appear under both SHP loops or only under the SHP loop referring to the last receipt (SHP01 is "01").*

# CTT Transaction Totals

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

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
<b>Description:</b> Total number of line items (LIN segments) in the transaction set						

## Syntax:

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

## Comments:

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

SE

## Transaction Set Trailer

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

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> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>Dura Note 1::</b> Same value as ST02.	M	AN	4/9	Must use

### Comments:

- SE is the last segment of each transaction set.