

Freightliner LLC

830 Planning Schedule w/ Release Capability

VERSION: ANSI ASC X12 2000 DRAFT

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830

Planning Schedule w/ Release Capability

Functional Group=PS

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
02	ST	Transaction Set Header	M	1		
003	BFR	Beginning Segment (Planning Schedule)	M	1		
004	NTE	Note/Special Instruction	F	100		
LOOP ID - N1					200	
010	N1	Name	O	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - LIN					10000	
032	LIN	Item Identification Detail	M	1		
033	UNT	Unit Detail	M	1		
035	J2X	Item Description	O	1000		
LOOP ID - N1					200	
053	N1	Name	O	1		
LOOP ID - SDP					104	
060	SDP	Ship/Delivery Pattern	M	1		
061	FST	Forecast Schedule	M	104		
063	ATH	Resource Authorization	O	20		
LOOP ID - SHP					25	
064	SHP	Shipped/Received Information	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
072	CTT	Transaction Totals	M	1		
73	SE	Transaction Set Trailer	M	1		

Note:

Purpose

To release Freightliner material requirements to its suppliers. The transaction also authorizes the commitment of supplier resources and the shipping of purchased parts to Freightliner manufacturing plants.

Contents/Organization

An EDI 830 transmission (ISA through IEA segment) can consist of multiple transaction sets, one transaction set (ST through SE segment) per part number. Transaction sets are presented in part number sequence within a transmission.

Within each transaction set, requirements are sequenced by Freightliner location code, i.e. all requirements for location 001 (Portland Truck Plant) appear first (if any) for the part, followed by location 004 (Cleveland Truck Plant) requirements, etc. Requirements will span a 6-month planning horizon within each location beginning with the date of transmission. Generally, daily requirements are presented through the first 20 days of the horizon; the remainder is presented as weekly (and possibly monthly) quantities (see FST segment for details).

Only requirements for parts assigned to Freightliner blanket purchase orders will be generated and transmitted to the supplier via EDI. Freightliner manufacturing plants may request parts in addition to these requirements by issuing "spot" purchase orders as needed (830 transaction will not be sent).

*****Freightliner's system is regenerative.*****

Each time data is transmitted for a part, requirements spanning the entire planning horizon are completely regenerated by the system.

*****This differs from a net change system***** in which only requirements that have changed from the previous transmission and new requirements are generated. Therefore, each 830 transaction set received for a part number should totally replace the previous transaction set received for the same part number.

NOTE: Zero requirements (for all Freightliner Ship-to locations) should be interpreted for a part number assigned to the supplier's blanket purchase order if the part is missing from the regular weekly transmission. If 830 data is transmitted again prior to the next regular weekly transmission, then requirements should be replaced for part numbers included in the transmission only, i.e. zero requirements for missing parts should not be interpreted in this case. Zero requirements for a part at a particular Ship-to location may also be conveyed by inclusion of the part in a transmission with only one FST segment appearing where FST01 = 0 (Requirement Quantity) and FST04 = Current Date (Requirement Date). See Transmission Frequency topic below for further details.

NOTE: The ACCUM information sent on this transaction is informational only and is based on Freightliner's actual receipts. This information is NOT intended to support a supplier's ACCUM material planning system.

All Freightliner requirements are based on ACTUAL requirements.
See FST segment for further information.

Requirements are categorized as "released", "committed", and "forecasted". Here are definitions of each category:

1. "Released" requirements are authorized by Freightliner to ship in quantities specified such that they can be received by Freightliner on the date specified (see FST segment). Only requirements which are "released" are authorized to be shipped. It must not be assumed that "committed" and/or "forecasted" requirements will become "released"; vehicle specification and/or Freightliner production assembly schedule changes may precipitate the revision or cancellation of requirements outside the "released" requirement date range. Material shipped which is not authorized may be returned to the supplier at the supplier's expense.
2. "Committed" requirements authorize the supplier to purchase/procure material needed to manufacture the end item in quantities specified. Freightliner will commit to the purchase of labor and material needed to produce these items. However, exact dates/quantities of the end item to be shipped are subject to change until they become "released".
3. "Forecasted" requirements should be used by the supplier for planning purposes only. Freightliner will commit to the purchase of materials purchased/procured to satisfy forecasted requirements in some cases; this must be authorized by the Freightliner Purchasing Department.

The FST segments in combination with the ATH segment must be interpreted to determine the category of each requirement (see FST/ATH segment details for rules).

Major/Non-major Components

Requirements for major components (e.g. engines, transmissions, etc.) and non-major components (all others) are generated by separate Freightliner systems. The data transmitted by these systems will contain unique segments/elements and requires differences in interpretation and usage. The significant differences are listed as follows (differences are also presented in segment descriptions as they apply):

1. Quantities in major component FST segments represent gross requirements, i.e. quantity equals amount of part scheduled to be used by Freightliner on the date specified. Non-major FST quantities represent net requirements, i.e. quantity equals amount of part required by Freightliner; onhand, in process, safety stock quantities, etc. are already taken into account.
2. Major component net requirements must be calculated by applying the onhand quantity transmitted for the part to in process (quantity scheduled to be used prior to the first FST segment date but has not been deducted from inventory yet, "past due") and FST quantities (future gross requirements).

Example:

FST*1*D*D*960701	Gross requirement
FST*2*D*D*960702	Gross requirement
FST*3*D*D*960703	Gross requirement
FST*4*D*D*960704	Gross requirement
SHP*01*4*ZZ1*960701	Onhand quantity

SHP*01*1*ZZ2*960701 In Process quantity

SHP*01*3*ZZ3*960701 In Transit quantity

Onhand quantity = 4 satisfiers:
 In Process quantity = 1 (Past Due) +
 FST quantity = 1 (07/01/96) +
 FST quantity = 2 (07/02/96).
 Net requirement = 7 (3 on 07/03/96 + 4 on 07/04/96)

3. To calculate the quantity of net requirement yet to be shipped, apply in-transit quantity, as in the example, to FST quantities remaining, i.e. FST quantities comprising the net requirement.

In Transit quantity = 3 satisfiers:

FST quantity = 3 (07/03/96).

Ship quantity = 4 (07/06/96); this is the quantity yet to be shipped to Freightliner.

The ship quantity calculation also applies to non-major component data. The net requirement calculation is not necessary; onhand and in-process quantities will not appear in non-major component data.

The EDI Ship Notice/Manifest transaction (856) transmitted to Freightliner from the supplier advises quantities of parts placed in transit. These quantities are echoed back via SHP segments (see example) in the 830 transaction. It is extremely important that Freightliner receive accurate and timely in transit information so proper ship quantities can be determined.

4. FST quantities (gross requirements) for a part will disappear from major component 830 data as trucks causing the demand are assembled and inventory subsequently deducted.

Non-major component FST quantities will disappear as shipments of the part are physically received by Freightliner; this explains why the ship quantity calculation described in #3 is necessary. In transit quantities for a part will not remove requirements (FST segments) from the data.

Freightliner considers a requirement outstanding until a receipt transaction for the material is entered by the receiving truck plant. From the supplier's perspective, the requirement is met when the parts are shipped; see ship quantity calculation to determine shipped versus not shipped net requirements.

5. Most Freightliner suppliers will receive non-major 830 data. When implementation activities begin, the EDI Coordinator will advise as to which version of data will be transmitted (possibly both).

Transmission Frequency

The frequency of transmission is determined by the Material Planning department and can vary by part number. Typically, non-major component requirements for all parts sourced from a supplier are transmitted weekly. Material Planning may trigger the transmission of 830 data for selected parts prior to the next weekly transmission; this data should replace the previous requirements received for the transmitted parts only and not to be interpreted as a total regeneration (where absence of a sourced part from the data would be interpreted as zero requirements for the part). A transmission schedule will be agreed upon at time of implementation.

Example:

EXAMPLE OF 830 (NON-MAJOR) WITH DATA INTERPRETATION

AIAG EDI Format

ST*830*000001.

BFR*05**000005*DL*A*960701*970101*960701***A00168030.

NTE*ZZZ*REPLACES 681 000 01 45.

N1*BY*FTL .

N1*SE*VEND.

LIN*001*IN*BW 101890*EC*D .

UNT*EA.

J2X**F*VALVE

N1*ST*TMP *92* 001 .

SDP*A*A.

FST*35*C*D*960701.

FST*25*C*D*960702.

FST*15*C*D*960707.

FST*100*C*D*960709.

FST*50*D*W*960715.

FST*75*D*W*960722.

ATH*FI*960703.

SHP*02*500*051*960101**960701.

Freightliner LLC
SHP*01*35*ZZ3*960101**960701.
SHP*01*100*050*960615.
LIN*002*IN*BW 101890*EC*D.
UNT*EA.
J2X**F*VALVE
N1*ST*CLE *92* 004.
SDP*A*A.
FST*60*C*D*960701.
FST*40*D*W*960729.
ATH*FI*960703.
SHP*02*100*051*960101**960701.
SHP*01*60*ZZ3*960101**960701.
SHP*01*25*050*960616.
CTT*0002*0000000400.
SE*33*000001.

EXAMPLE OF 830 (MAJOR) WITH DATA INTERPRETATION

AIAG EDI Format
ST*830*000001.
BFR*05**BLANKS*DL*A*960701*970101*960701***A01234001.
N1*BY*FTL .
N1*SE*VEND.
LIN*001*BP*S01-16087-009.
UNT*EA.
N1*ST*STT *92* 030.
SDP*A*A.
FST*5*D*D*960701.
FST*10*D*D*960702.
FST*4*D*D*960703.
SDP*Z*Z.
FST*20*D*W*960708.
FST*15*D*W*960715.
FST*80*D*M*961001.
FST*60*D*M*961201.
ATH*FI*960703.
SHP*01*6*ZZ1*960701.
SHP*01*1*ZZ2*960701.
SHP*01*10*ZZ3*960701.
LIN*002*BP*S01-16087-009.
UNT*EA.
N1*ST*MEX *92*050.
SDP*A*A.
FST*15*D*D*960701.
FST*6*D*D*960702.
FST*8*D*D*960703.
SDP*Z*Z.
FST*30*D*W*931004.
FST*30*D*W*960722.
FST*120*D*M*960901.
FST*90*D*M*961001.
ATH*FI*960703.
SHP*01*0*ZZ1*960701.
SHP*01*0*ZZ2*960701.
SHP*01*0*ZZ3*960701.
CTT*0002*0000000493.
SE*38*000001.

ST Transaction Set Header

Pos: 02	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>
ST01	143	Transaction Set Identifier Description: Code uniquely identifying a Transaction Set.	M	ID	3/3
		<u>Code Name</u> 830 X12.14 Planning Schedule			
ST02	329	Transaction Set Control Number Description: Identifying control number assigned by the originator for a Transaction Set.	M	AN	4/9

BFR Beginning Segment (Planning Schedule)

Pos: 003	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BFR01	353	Transaction Set Purpose Description: Code identifying purpose of transmitted set. Note: Always = "05" <u>Code Name</u> 05 Replace	M	ID	2/2
BFR03	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction. Note: Always = "BLANKS" (Major Component DATA), or 6-digit release number (increments by +1 each time the part is released (Non-Major Component DATA).	C	AN	6/6
BFR04	675	Forecast Type Qualifier Description: Code which qualifies the type of dates used in the forecast. Note: Always = "DL" <u>Code Name</u> DL Delivery Based	M	ID	2/2
BFR05	676	Forecast Quantity Qualifier Description: Code which qualifies the types of quantities. Note: Always = "A" <u>Code Name</u> A Actual Discrete Quantities	M	ID	1/1
BFR06	373	Date Description: Date (YYMMDD). Note: Horizon Start Date	M	DT	6/6
BFR07	373	Date Description: Date (YYMMDD). Note: Horizon End Date.	M	DT	6/6
BFR08	373	Date Description: Date (YYMMDD). Note: Current date	M	DT	6/6
BFR11	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser. Note: Freightliner's purchase order = positions 01-06; Line number =	M	AN	9/9

Ref

Id

Element Name

Req

Type

Min/Max

positions 07-09.

Note:

Information presented applies to the entire transaction set unless overridden by subsequent segments. The planning horizon is defined and purchase order information relative to the part is included in this segment.

NTE Note/Special Instruction

Pos: 004	Max: 100
Heading - Floating	
Loop: N/A	Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
NTE01	363	Note Reference Code Description: Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3). Note: Always = "ZZZ" <u>Code Name</u> ZZZ Mutually Defined	O	ID	3/3
NTE02	3	Free Form Message Description: Free-form text.	M	AN	1/60

Note:

This segment is optional and occurrence(s) will immediately follow the BFR segment if included. NTE segments will not occur in major component DATA.

N1

Name

Pos: 010	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

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>
N101	98	Organization Identifier Description: Code identifying the type of party being defined. <u>Code Name</u> BY Buying Party (Purchaser) SE Selling Party	M	ID	2/2
N102	93	Name Description: Free-form organization name, official title, or related information. Note: Always = "FTL" when N101 = "BY". Always = Supplier's assigned vendor code when N101 = "SE". (Freightliner assigns the vendor code).	C	AN	1/35

Note:

Two N1 segments are included at this level to identify the buyer (Freightliner in all cases) and seller (supplier) of part specified in subsequent LIN segments.

LIN Item Identification Detail

Pos: 032	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 5

To specify basic item identification data.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	666	Line Item Number Description: Identifying number for a line item. Note: Sequential number beginning with 001 and incremented by +1 for each subsequent LIN segment in the transaction set.	O	AN	3/3
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). <u>Code Name</u> BP Buyer's Part Number (Non-Major) IN Buyer's Item Number (Major)	M	ID	2/2
LIN03	234	Product/Service ID Description: Identifying number for a product or service. Note: Freightliner's part number	M	AN	1/25
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). Note: Always = "EC" (Non Major Component DATA) Not used for major components. <u>Code Name</u> EC Engineering Change Level	O	ID	2/2
LIN05	234	Product/Service ID Description: Identifying number for a product or service. Note: Engineering change level; if supplier controlled, this element will be omitted (and LIN04). Not used for major component DATA.	C	AN	1/30

Note:

Used to specify the Freightliner part number required. This segment begins a LIN loop.

UNT Unit Detail

Pos: 033	Max: 1
Detail - Mandatory	
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>
UNT01	355	Unit of Measurement Code	M	ID	2/2
<p>Description: Code identifying the basic unit measurement.</p> <p>Note: See Appendix E</p>					

Note:

This segment indicates the unit of measure for part number in previous LIN segment.

J2X

Item Description

Pos: 035	Max: 1000
Detail - Optional	
Loop: LIN	Elements: 2

To describe an item in either an industry standard 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>
J2X02	349	Item Description Type Description: Code indicating the format of a description. <u>Code Name</u> F Free-form	O	ID	1/1
J2X03	372	Item Description Description: Description of the item conforming to standards for that item. Also see: Item Description Qualifier (348), Item Description Type (349). Note: Freightliner's item description	M	AN	1/30

Note:

This segment will include Freightliner's English description for part number specified in previous LIN segment; it will not be used in major component data.

N1

Name

Pos: 053	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

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>
N101	98	Organization Identifier Description: Code identifying the type of party being defined. Note: Always = "ST" <u>Code Name</u> ST Ship To	M	ID	2/2
N102	93	Name Description: Free-form organization name, official title, or related information. Note: Freightliner Ship-to location abbreviation.	C	AN	1/35
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67). Note: Always = "92" <u>Code Name</u> 92 Assigned by Buyer	M	ID	2/2
N104	67	Identification Code Description: Code identifying one of the parties in the transaction. See Identification Code Qualifier (66). Note: See Appendix C Freightliner location codes	M	ID	3/5

Note:

This segment specifies the Freightliner Ship-to location requiring the part number specified in previous LIN segment.

SDP Ship/Delivery Pattern

Pos: 060	Max: 1
Detail - Mandatory	
Loop: SDP	Elements: 2

To identify specific ship/delivery requirements

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SDP01	678	Ship/Delivery Pattern Description: Code which specifies the days for routine shipments or deliveries. Note: SPD01 = "A" or "Z" (Major Component DATA) SPD01 = "A" (Non Major Component DATA) <u>Code Name</u> A Monday through Friday Z Mutually Defined	M	ID	1/2
SDP02	679	Ship/Delivery Pattern Time Description: Code which specifies the time for routine shipments or deliveries. Note: Always = SPD01 value. <u>Code Name</u> A 1st Shift (Normal Working Hours) Z Mutually Defined	M	ID	1/1

Note:

Ship/ delivery patterns to Freightliern are arranged with each supplier by the Material Planning Department. The information in this segment has been rendered as obsolete since the system was installed but will continue to be included so supplier systems expecting the segment will not be disturbed.

FST Forecast Schedule

Pos: 061	Max: 104
Detail - Mandatory	
Loop: SDP	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>										
FST01	380	Quantity Description: Numeric value of Quantity. Note: Gross quantity to be used by Freightliner (Major) or quantity required (non-Major) on FST04 date.	M	R	1/6										
FST02	680	Forecast Qualifier Description: Code specifying the sender's confidence level of the forecast data. Note: Always = "D" (Major) or = "C", "D" (non-Major)	M	ID	1/1										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </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							
<u>Code</u>	<u>Name</u>														
C	Firm														
D	Planning														
FST03	681	Forecast Timing Qualifier Description: Code specifying interval grouping of the forecast. Note: Used in major component data only.	M	ID	1/1										
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>D</td> <td>Discrete</td> </tr> <tr> <td>F</td> <td>Flexible Interval (from Date X through Date Y)</td> </tr> <tr> <td>M</td> <td>Monthly Bucket (Calendar Months)</td> </tr> <tr> <td>W</td> <td>Weekly Bucket (Monday through Sunday)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	D	Discrete	F	Flexible Interval (from Date X through Date Y)	M	Monthly Bucket (Calendar Months)	W	Weekly Bucket (Monday through Sunday)			
<u>Code</u>	<u>Name</u>														
D	Discrete														
F	Flexible Interval (from Date X through Date Y)														
M	Monthly Bucket (Calendar Months)														
W	Weekly Bucket (Monday through Sunday)														
FST04	373	Date Description: Date (YYMMDD).	M	DT	6/6										

Note:

This segment specifies requirements for the part number in the previous LIN segment at the Freightliner Ship-to location specified in the previous N1*ST segment. Each datequantity should be considered "released", "committed", or "forecasted" based on the following rules:

MAJOR COMPONENTS:

1. If FST03 = "D" (Daily), then the date in FST04 must be compared to the next ATH segment date (ATH02) as follows:
 - * If FST04 <= ATH02, then the requirement is "released" (authorized to ship). The supplier must ship enough quantity of the part to ensure that the Freightliner Ship-to location will have quantity onhand at least equal to the quantity specified in FST01 on the date specified in FST04. See MajorNon-major Components section above for further details.
 - * If FST04 > ATH02, then the requirement is "committed" (authorized to procure materials needed to produce the end item for quantity specified in FST01).
2. If FST03 = "W" (Weekly) or "M" (Monthly), then the requirement is "forecasted". The dates in these segments will always be greater than the next ATH segment date (ATH02). These requirements should be used for planning purposes only (not authorized to ship or produce).

NON-MAJOR COMPONENTS:

1. If FST02 = "C" (Firm), then the date in FST04 must be compared to the next ATH segment date (ATH02) as follows:

* If FST04 \leq ATH02, the requirement is "released" (authorized to ship quantity specified in FST01 so arrives on date in FST04).

* If FST04 $>$ ATH02, then the requirement is "committed"; (authorized to procure materials needed to produce the end item for quantity specified in FST01).

2. If FST02 = "D" (Planned), then the requirement is "forecated". The dates in these segments will always be greater than the next ATH segment date (ATH02). These requirements should be used for planning purposes only (not authorized to ship or produce).

ATH Resource Authorization

Pos: 063	Max: 20
Detail - Optional	
Loop: LIN	Elements: 2

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>
ATH01	672	Resource Authorization Code Description: Code identifying the resource which the buyer is authorizing the seller to commit to. Note: Always = "FI"	M	ID	2/2
		<u>Code Name</u> FI Finished (Labor, Material, and Overhead/Burden)			
ATH02	373	Date Description: Date (YYMMDD). Note: Will equal current date +21 production days (Major) or current date +release ship range for the item maintained by Material Planning (Non-major).	M	DT	6/6

Note:

This segment is used to communicate authorization to ship finished material to Freightliner manufacturing locations. See FST segment description for usage of element ATH02 to determine "released" requirements (authorized to hship).

SHP Shipped/Received Information

Pos: 064	Max: 1
Detail - Optional	
Loop: SHP	Elements: 5

To specify shipment and/or receipt information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
SHP01	673	Quantity Qualifier Description: Code specifying the type of quantity. <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Discrete Quantity</td> </tr> <tr> <td>02</td> <td>Cumulative Quantity</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	01	Discrete Quantity	02	Cumulative Quantity	O	ID	2/2
<u>Code</u>	<u>Name</u>										
01	Discrete Quantity										
02	Cumulative Quantity										
SHP02	380	Quantity Description: Numeric value of Quantity. Also see: Unit of Measurement Code (355). Note: Onhand quantity (Major) In process quantity (Major) In transit quantity (Major) In transit quantity (Non-major) Last receipt quantity Received to date quantity	C	R	1/6						
SHP03	374	Date/Time Qualifier Description: Code specifying type of date or time. Note: Onhand date (Major) In process date (Major) In transit date (Major)/range (Non-major) Last receipt date Received to date range	O	ID	3/3						
SHP04	373	Date Description: Date (YYMMDD). Note: Cumulative qty start date or discrete date (YYMMDD) qualified by SHP03. If SHP03 = "051" or "ZZ3" **, this date reflects when the P.O./Line # in previous BFR segment was activated and is the beginning date of a cumulative range, e.g. "960101". If SHP03 = "050", then this date is the last receipt date, i.e. qty in SHP02 was last received by Freightliner on this date.	C	DT	6/6						
SHP06	373	Date Description: Date (YYMMDD). Note: Cumulative qty end date. Format = YYMMDD. This date will appear only if SHP03 = "051" or "ZZ3" ** and will always = current date. If SHP03 = "ZZ3" **, quantity in SHP02 is an accumulation of all	C	DT	6/6						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
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quantity currently in transit to Freightliner as of this date. Once received, "in transit quantity" is added to "received to date quantity" and then subtracted from "in transit quantity"; SHP04 can essentially be ignored.

Note:

This segment is used to indicate current in transit, received to date, onhand, in process, and last receipt quantities for part number specified in previous LIN segment. These quantities are used by the supplier to calculate major component net requirements (if applicable), determine which requirements have been shipped (in transit quantity), etc.

Received to date and last receipt quantities should NOT be used to determine which requirements have been satisfied; see Major/ Non-major Components section and FST segment description for method of calculating outstanding requirements (ship quantity).

- * Major Component data
- ** Non-Major Component data

CTT Transaction Totals

Pos: 072	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set. Note: Total number of LIN segments in this transaction set.	M	N0	4/4
CTT02	347	Hash Total Description: Sum of values of the specific data element. Note: Total quantity of parts to be used(Major) or required (Non-major). This will be a sum of all quantities in FST segments (FST01) in this transaction set; quantity will always be zero-filled and right-justified for a length of 10.	O	R	10/10

SE Transaction Set Trailer

Pos: 73	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 and ending (SE) segment)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments.	M	N0	1/6
SE02	329	Transaction Set Control Number Description: Identifying control number assigned by the originator for a Transaction Set.	M	AN	4/9