

Auria

# 830 - IMPLEMENTATION GUIDELINES FOR EDI CONVENTIONS - 3060



Auria Solutions, USA and Mexauria Solutions

IMPLEMENTATION GUIDELINES FOR AIAG (ASC X12) EDI CONVENTIONS  
PLANNING SCHEDULE WITH RELEASE CAPABILITY TRANSACTION SET (830)

ASC X12

Version Release 3060

<b>830</b> PLANNING SCHEDULE WITH RELEASE CAPABILITY
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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) also known as Electronic Commerce (EC) 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 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 materials;
- (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 my also contain data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

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Auria's order releases will always contain cumulative order information in the form of a Prior Cumulative Required Quantity and a Cumulative Received Quantity.

## SEGMENT USAGE OVERVIEW

### HEADER SEGMENT DESCRIPTION TABLE

ST	M	TRANSACTION SET HEADER
BFR	M	BEGINNING SEGMENT FOR PLANNING SCHEDULE
DTM	O	DATE/TIME REFERENCE
N1	O	NAME

### DETAIL SEGMENT DESCRIPTION TABLE

LIN	M	ITEM IDENTIFICATION
UIT	O	UNIT DETAIL
PID	O	PRODUCT/ITEM DESCRIPTION
PRS	O	PART RELEASE STATUS
REF	O	REFERENCE IDENTIFICATION
PER	O	ADMINISTRATIVE COMMUNICATIONS CONTACT
ATH	O	RESOURCE AUTHORIZATION
SDP	O	SHIP/DELIVERY PATTERN
FST	O	FORECAST SCHEDULE
SHP	O	SHIPPED / RECEIVED INFORMATION
REF	O	REFERENCE IDENTIFICATION

### SUMMARY SEGMENT DESCRIPTION TABLE

CTT	O	TRANSACTION TOTALS
SE	O	TRANSACTION SET TRAILER

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**HEADER SEGMENT DESCRIPTION TABLE**

<u>SEGMENT</u>	<u>REQD</u>	<u>DESCRIPTION</u>	
<b>ST</b>	<b>M</b>	<b>TRANSACTION SET HEADER</b>	
<b>BFR</b>	<b>M</b>	<b>BEGINNING SEGMENT FOR PLANNING SCHEDULE</b>	
XPO	O	PREASSIGNED PURCHASE ORDER NUMBERS	NOT USED
CUR	O	CURRENCY	NOT USED
REF	O	REFERENCE IDENTIFICATION	NOT USED
PER	O	ADMINISTRATIVE COMMUNICATIONS CONTACT	NOT USED
TAX	O	TAX REFERENCE	NOT USED
FOB	O	F.O.B. RELATED INSTRUCTIONS	NOT USED
CTP	O	CTP PRICING INFORMATION	NOT USED
SAC	O	SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORM	NOT USED
CSH	O	SALES REQUIREMENTS	NOT USED
ITD	O	TERMS OF SALE/DEFERRED TERMS OF SALE	NOT USED
<b>DTM</b>	<b>O</b>	<b>DATE/TIME REFERENCE</b>	
PID	O	PRODUCT/ITEM DESCRIPTION	NOT USED
MEA	O	MEASUREMENTS	NOT USED
PWK	O	PAPERWORK	NOT USED
PKG	O	PARKING, PACKAGING, LOADING	NOT USED
TD1	O	CARRIER DETAILS (QUANTITY AND WEIGHT)	NOT USED
TD5	O	CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)	NOT USED
TD3	O	CARRIER DETAILS (EQUIPMENT)	NOT USED
TD4	O	CARRIER DETAILS (SPECIAL HANDLING, OR HAZARDOUS)	NOT USED
MAN	O	MARKS AND NUMBERS	NOT USED
<b>N1</b>	<b>O</b>	<b>NAME</b>	
N2	O	ADDITIONAL NAME INFORMATION	NOT USED
N3	O	ADDRESS INFORMATION	NOT USED
N4	O	GEOGRAPHIC LOCATION	NOT USED
REF	O	REFERENCE IDENTIFICATION	NOT USED
PER	O	ADMINISTRATIVE COMMUNICATIONS CONTACT	NOT USED
FOB	O	F.O.B. RELATED INFORMATION	NOT USED
LM	O	CODE SOURCE INFORMATION	NOT USED
LQ	O	INDUSTRY CODE	NOT USED

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SEGMENT: **ST - TRANSACTION SET HEADER**

LEVEL: Heading

MAX USAGE/LOOPS: 1/None

PURPOSE: Indicate the beginning of a transaction set and to assign a control number.

GENERAL INFORMATION: The Transaction Set Control Number (ST02) in this header must match the Transaction Set Control Number (SE02) in the Transaction Set Trailer (SE) segment.

EXAMPLE: ST\*830\*0001 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
ST01	143	Transaction Set Id Code	M ID 03/03	Use '830'
ST02	239	Transaction Set Control	M AN 04/09	A unique control number (same as SE02)

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SEGMENT: **BFR - BEGINNING SEGMENT FOR PLANNING SCHEDULES**

LEVEL: Header

MAX USAGE/LOOPS: 1/None

PURPOSE: Indicate the beginning of a Planning Schedule

### GENERAL

INFORMATION: Element BFR04 indicates Planning Schedule is shipment based (SH) or delivery based (DL). Either BFR02 or BFR03 will be used.  
Transaction Set and related forecast dates.

EXAMPLES: BFR\*05\*\*994-5\*SH\*A\*970804\*971027\*970804 N/L SHIPMENT BASED  
BFR\*05\*\*994-5\*DL\*A\*970804\*971027\*970804 N/L DELIVERY BASED

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
BFR01	353	Transaction Set Purpose	M ID 02/02	'00' = Original
BFR02	127	Forecast Order Number	X AN 01/30	
BFR03	328	Release Number	X AN 01/30	

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BFR04	675	Schedule Type Qualifier	M ID 02/02	"SH" = shipment date based "DL" = delivery date based
BFR05	676	Schedule Quantity Qualifier	M ID 01/01	'A' = Actual discrete quantities
BFR06	373	Schedule Start Date	M DT 06/06	Format (YYMMDD) The Monday date for the start of the schedule.
BFR07	373	Schedule End Date	M DT 06/06	FORMAT (YYMMDD) The Monday date for the last week in horizon.
BFR08	373	Schedule Generation Date	M DT 06/06	Format (YYMMDD)

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<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
BFR09	373	Date	O DT 06/06	<u>not used</u>
BFR10	367	Contract Number: Auria Corporate Purchase Order Number	M AN 01/30	
BFR11	324	ERP System Plant Reference Number	M AN 01/22	



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SEGMENT:           **DTM - DATE / TIME REFERENCE**

LEVEL:               Heading

MAX USAGE/LOOPS:  2/None

PURPOSE:           Specify pertinent dates and times

GENERAL INFORMATION:   Use a Date/Time Qualifier (DTM01) value of "097" to specify the creation date of document.

EXAMPLE:           DTM\*097\*970805\*230045           N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
DTM01	374	Date/Time Qualifier	M ID 03/03	"097"
DTM02	373	Date	X DT 06/06	Date (YYMMDD)
DTM03	337	Time	X TM 04/06	Time (HHMMSS) Times expressed as (24-hour clock) HH Hour /M= Minutes/ SS = Seconds
DTM04	623	Time Zone Qualifier	O ID 02/02	<u>not used</u>
DTM05	624	Century	O NO 02/02	"20" The first two characters in the designation of the year (CCYY)
DTM06	1250	Date/Time Format Qualifier		<u>not used</u>
DTM07	1251	Date/Time		<u>not used</u>

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SEGMENT:               **N1 - NAME**

LEVEL:                 Header

MAX USAGE/LOOPS:    1/200

PURPOSE:             Identify the party by type of organization, name, and code.

GENERAL INFORMATION:    The N1 loop in the heading area is used to identify the release issuer and the supplier being released to.

EXAMPLES:	N1*MI**92**0296SUPPU	N/L
	N1*Sf**92**02xxxxxx	N/L
	N1*ST*Auria*92**0296USUPPU	N/L
	N1*SU**92**1780062	N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
N101	92	Entity Identifier Code	M ID 02/02	'MI' = Material Release Issuer 'ST' = Ship To Location 'SF' = Ship From 'SU' = Supplier Number
N102	93	Organization Name	X AN 01/35	
N103	66	Identification Code Qualifier	X ID 01/02	"92" = Assigned By Buyer  "01" = Duns Number
N104	67	Identification Code	X AN 02/20	If N101= (MI) this element would contain the Auria plant number  associated with the "ST"

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destination

N105	706	Entity Relationship Code	O ID 02/02	<u>not used</u>
N106	98	Entity Identifier Code	O ID 02/02	<u>not used</u>

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**DETAIL SEGMENT DESCRIPTION TABLE**

<u>SEGMENT</u>	<u>REQD</u>	<u>DESCRIPTION</u>	
<b>LIN</b>	<b>M</b>	<b>ITEM IDENTIFICATION UNIT</b>	
<b>UIT</b>	<b>O</b>	<b>DETAIL</b>	
DTM	O	DATE/TIME REFERENCE	NOT USED
CUR	O	CURRENCY	NOT USED
PO3	O	ADDITIONAL ITEM DETAIL	NOT USED
CTP	O	PRICING INFORMATION	NOT USED
<b>PID</b>	<b>O</b>	<b>PRODUCT/ITEM DESCRIPTION</b>	
PWK	O	PAPERWORK	NOT USED
PKG	O	PARKING, PACKAGING, LOADING	NOT USED
PO4	O	ITEM PHYSICAL MARKINGS	NOT USED
<b>PRS</b>	<b>O</b>	<b>PART RELEASE STATUS</b>	
<b>REF</b>	<b>O</b>	<b>REFERENCE IDENTIFICATION</b>	
<b>PER</b>	<b>O</b>	<b>ADMINISTRATIVE COMMUNICATIONS CONTACT</b>	
SAC	O	SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORM	NOT
		USED	
ITD	O	TERMS OF SALE/DEFERRED TERMS OF SALE	NOT USED
TAX	O	TAX REFERENCE	NOT USED
FOB	O	F.O.B. RELATED INSTRUCTIONS	NOT USED
LDT	O	LEAD TIME	NOT USED
QTY	O	QUANTITY	NOT USED
<b>ATH</b>	<b>O</b>	<b>RESOURCE AUTHORIZATION</b>	
TD1	O	CARRIER DETAILS (QUANTITY AND WEIGHT)	NOT USED
TD5	O	CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)	NOT USED
TD3	O	CARRIER DETAILS (EQUIPMENT)	NOT USED
TD4	O	CARRIER DETAILS (SPECIAL HANDLING, OR HAZARDOUS)	NOT USED
MAN	O	MARKS AND NUMBERS	NOT USED
DD	O	DEMAND DETAIL	NOT USED
SL	O	SUBLINE ITEM DETAIL	NOT USED
PI	O	PRODUCT/ITEM DESCRIPTION	NOT USED
NM	O	INDIVIDUAL OR ORGANIZATION NAME	NOT USED
N1	O	NAME	NOT USED
N2	O	ADDITIONAL NAME INFORMATION	NOT USED
N3	O	ADDRESS INFORMATION	NOT USED
N4	O	GEOGRAPHIC LOCATION	NOT USED
REF	O	REFERENCE IDENTIFICATION	NOT USED
PER	O	ADMINISTRATIVE COMMUNICATIONS CONTACT	NOT USED
FOB	O	F.O.B. RELATED INFORMATION	NOT USED
LM	O	CODE SOURCE INFORMATION	NOT USED

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LQ	O	INDUSTRY CODE	NOT USED
FST	O	FORECAST SCHEDULE	NOT USED
SDQ	O	DESTINATION QUANTITY	NOT USED
LM	O	CODE SOURCE INFORMATION	NOT USED

<u>SEGMENT</u>	<u>REQD</u>	<u>DESCRIPTION</u>	
LQ	O	INDUSTRY CODE	NOT USED
<b>SDP</b>	<b>O</b>	<b>SHIP/DELIVERY PATTERN</b>	
<b>FST</b>	<b>O</b>	<b>FORECAST SCHEDULE</b>	
<b>SHP</b>	<b>O</b>	<b>SHIPPED / RECEIVED INFORMATION</b>	
<b>REF</b>	<b>O</b>	<b>REFERENCE IDENTIFICATION</b>	

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SEGMENT:           **LIN - ITEM IDENTIFICATION**

LEVEL:                Detail

MAX USAGE/LOOPS:   200000/None

PURPOSE:             Specify basic item identification data

GENERAL  
INFORMATION:        This segment is used for the part number information  
                          such as Auria part number, purchase order,  
                          engineering level, model year.

EXAMPLE:             LIN\*\*BP\*05003670\*PO\*CA1010\*RN\*20140331-001    N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
LIN01	350	Assigned Identification	O AN 01/20	<u>not used</u>
LIN02	235	Product/Service Id Qualifier	M ID 02/02	"BP" = Buyer Part Number
LIN03	234	Product Service Id Number	M AN 01/40	Auria Part

LIN04 Provides 14 additional pairs of Product/Service ID Qualifiers and through Product/Service ID's to future describe the line item. The below LIN31 code list applies to each occurrence of data element 235 in these pairs.

NOTE:    "CR" = Contract Number  
          "DR" = Drawing Revision Number  
          "EC" = Engineering Change Level  
          "ON" = Customer Order Number  
          "PL" = Purchase's Order Line Number

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"PO" = Mandatory Plant Reference Number

"RN" = Release Number

"VP" = Vendor's (Seller's) Part Number

SEGMENT: **UIT - UNIT DETAIL**

LEVEL: Detail

MAX USAGE/LOOP: 1/None

PURPOSE: Specify item unit data

GENERAL INFORMATION: This segment indicates the unit of measure for all quantities relating to the line item.

EXAMPLE: UIT\*EA N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
UIT01	355	Unit or Basis for Measurement Code	M ID 02/02	See list below
UIT02	212	Unit Price	X R 01/17	<u>not used</u>
UIT03	639	Basis or Unit Price Code	O ID 02/02	<u>not used</u>

SAMPLE UNIT OF MEASURE CODES: EA = Each  
PK = Package  
CA = Case  
LO = Lot

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PL = Pallet

SEGMENT:                   **PID - PRODUCT/ITEM DESCRIPTION**

LEVEL:                      Detail

MAX USAGE/LOOP:        1000/LIN

PURPOSE:                  Describe a product or process in coded or freeform  
format

GENERAL INFORMATION:    This segment is used to describe the Auria part  
number for this LIN loop.

EXAMPLE:                  PID\*F\*\*\*\*DESCRIPTION                               N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
PID01	349	Item Description Type	M ID 01/01	"F" - Free Form
PID02	750	Product/Process Characteristic Code	O ID 02/03	<u>not used</u>
PID03	559	Agency Qualifier Code	X ID 02/02	<u>not used</u>
PID04	751	Product Description Code	X AN 01/12	<u>not used</u>
PID05	352	Product/Process Description	X AN 01/80	Auria Part Description
PID06	752	Surface/Layer/Position Code	O ID 02/02	<u>not used</u>
PID07	822	Source Qualifier	O AN 01/15	<u>not used</u>
PID08	1073	Yes/No Condition or Response Code	O ID 01/01	<u>not used</u>



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PID09

819

Language Code

O ID 02/03

not used

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SEGMENT: **PRS - PART RELEASE STATUS**

LEVEL: Detail

MAX USAGE/LOOP: 1/LIN

PURPOSE: Indicate the status of the part being ordered or forecast with respect to this material release or planning document.

EXAMPLE: PRS\*9 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
PRS01	682	Part Release Status Code	M ID 01/0	See note
PRS02	352	Description	O AN 01/80	See note

NOTE1:	CODE	CODE DESCRIPTION
	F	Corporation Campaign Buy
	Q	Special Large Quantity Buy
	Y	Production Year End Surplus
	3	Part Will Be Canceled at the Material Quantity
	7	Final Release for this Canceled Part
	8	Planning Quantity is Final Model Year Requirement. The part is a Non-Carry Over for Next Model Year
	9	Final Forecast for this Canceled Part

SEGMENT: **REF - REFERENCE IDENTIFICATION**

LEVEL: Detail

MAX USAGE/LOOP: 12/LIN

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PURPOSE: Transmit identifying numbers associated with the item identified in the LIN record.

### GENERAL

INFORMATION: This segment is used to identify the dock code or last bill of lading number processed.

EXAMPLES: REF\*DK\*MAIN N/L  
REF\*BL\*1234567890 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
REF01	128	Reference Identification Qualifier	M ID 02/03	See note
REF02	127	Reference Identification	X AN 01/30	
REF03	352	Description	X AN 01/80	<u>not used</u>
REF04	C040	Reference Number	C	<u>not used</u>

NOTE: "DK" = Dock Number  
"KB" = Beginning Kanban Serial Number  
"KE" = Ending Kanban Serial Number  
"LF" = Line Feed Assembly Location  
"RL" = Reserve Line Feed Assembly Location  
"BL" = Bill of Lading Number

SEGMENT: **PER - ADMINISTRATIVE COMMUNICATIONS CONTACT**

LEVEL: Detail

MAX USAGE/LOOP: 3/LIN

PURPOSE: Identify a person or office to whom administrative communications should be directed.

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**GENERAL:**

**INFORMATION:** This segment is used to convey the name and telephone number of the person responsible for this part at the plant named in the header N1 ST segment.

**EXAMPLE:** PER\*BD\*MATERIALS DEPARTMENT\*TE\*6183371478 N/L  
 PER\*EX\*RON MEYER\*TE\*6183371478 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
PER01	366	Contact Function Code	M ID 02/02	"BD" - Buyer Name or Department "EX" - Expediter
PER02	93	Name (Free-Format)	O AN 01/35	
PER03	365	Communication Number Qualifier X ID 02/02		"EM" - Electronic Mail "FX" - Facsimile "TE" - Telephone Number
PER04	364	Communication Number	X AN 01/80	
PER05	365	Communication Number Qualifier X ID 02/02		<u>not used</u>
PER06	364	Communication Number	X AN 01/80	<u>not used</u>
PER07	365	Communication Number Qualifier	X ID 02/02	<u>not used</u>
PER08	364	Communication Number	X AN 01/80	<u>not used</u>
PER09	443	Contact Inquiry Reference	O AN 01/20	<u>not used</u>

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SEGMENT:           **ATH - RESOURCE AUTHORIZATION**

LEVEL:               Detail

MAX USAGE/LOOP:   20/LIN

PURPOSE:           Specify resource authorizations

**GENERAL**

INFORMATION:       This segment is used to authorize quantities to vendors for ordering raw material and finished product.

Auria's releases are CUM based. Our 830 will

EXAMPLES:           ATH\*PQ\*970804\*241511           N/L  
                       ATH\*FI\*970908\*724573\*\*970601       N/L  
                       ATH\*MT\*971013\*821654\*\*970601       N/L

always include a Prior Cum Required in the ATH\*PQ segment of the raw EDI data.

Please find examples on page 33, Exhibit 1, of the calculation to determine the net requirement due based on the Prior Cum Required (ATH\*PQ), Cum Received (SHP\*02) and the individual bucketed quantities.

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
ATH01	672	Resource Authorization Code	M ID 02/02	"FI" - Finished Product  "MT" - Raw Material  "PQ" - Cumulative Quantity Required Prior to First Scheduled Period
ATH02	373	Date	X DT 06/06	(YYMMDD)

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<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
ATH03	380	Quantity	X R 01/15	<p>If ATH01 = "PQ" cumulative quantity that is required prior to date in ATH02. If ATH01 = "MT" total quantity authorized for raw material through date given in ATH02.</p> <p>If ATH01 = 'FI' total quantity authorized for finished product through date given in ATH02.</p>
ATH04	380	Quantity	O R 01/15	<b><u>not used</u></b>
ATH05	373	Date	X DT 06/06	<p>Required if ATH03 is used.</p> <p>If ATH01="PQ", this is beginning inventory date for this ultimate destination.</p> <p>Otherwise this is earliest beginning inventory date for any ultimate destination within this part/model year loop.</p>

SEGMENT: **SDP - SHIP/DELIVERY PATTERN**

LEVEL: Detail

MAX USAGE/LOOP: 1/LIN/SDP Repeat 260

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PURPOSE: Identify specific ship/delivery requirements

GENERAL

INFORMATION: This segment specifies what day of the week and/or a time frame during the day that a shipment is to be made.

EXAMPLES:

SDP\*Y\*Y N/L (no pattern)  
 SDP\*1\*G N/L (ship once a month - first week, any shift)  
 SDP\*D\*G N/L (ship weekly - Monday, any shift)  
 SDP\*N\*F N/L (refer to 862 transaction)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
SDP01	678	Ship/Delivery Pattern Code	M ID 01/02	
SDP02	679	Ship/Delivery Pattern Time Code	M ID 01/01	
SDP03	678	Ship/Delivery Pattern Code	O ID 01/02	<u>not used</u>
SDP04	679	Ship/Delivery Pattern Time Code	O ID 01/01	<u>not used</u>
SDP05	678	Ship/Delivery Pattern Code	O ID 01/02	<u>not used</u>
SDP06	679	Ship/Delivery Pattern Time Code	O ID 01/01	<u>not used</u>
SDP07	678	Ship/Delivery Pattern Code	O ID 01/02	<u>not used</u>
SDP08	679	Ship/Delivery Pattern Time Code	O ID 01/01	<u>not used</u>

SEGMENT: **FST - FORECAST SCHEDULE**

LEVEL: Detail

MAX UASGE/LOOP: 260/LIN/SDP

PURPOSE: Specify the forecasted dates and quantities

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GENERAL

INFORMATION: This segment is required, although it allows for time to be specified in addition to the date, locations using that level of scheduling will use the Shipping Schedule Transaction Set (862) to convey this information.

EXAMPLES: FST\*10\*B\*D\*970804 N/L  
 FST\*1366\*C\*W\*970804 N/L  
 FST\*12168\*C\*F\*970804 N/L

Please find examples on page 31, Exhibit 1, of the calculation to determine the net requirement due based on the Prior Cum Required (ATH\*PQ), Cum Received (SHP\*02) and the individual bucketed quantities (FST01).

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
FST01	380	Quantity	M R 01/15	
FST02	680	Forecast Qualifier	M ID 01/01	"F" - Flexible Interval
FST03	681	Forecast Timing Qualifier	M ID 01/01	"M" - Monthly bucket "W" - Weekly bucket "D" - Discrete (The date specified in FST04 will take precedence over the value in SDP01) "Z" - used only when FST01 = 0
FST04	373	Forecast Schedule Date	M DT 06/06	(YYMMDD)
FST05	373	Date	O DT 06/06	<u>not used</u>
FST06	374	Date/Time Qualifier	X ID 03/03	<u>not used</u>
FST07	337	Time	X TM 04/08	<u>not used</u>
FST08	128	Reference Identification Qualifier	X ID 02/03	<u>not used</u>
FST09	127	Reference Identification	X AN 01/30	<u>not used</u>

"C" - Firm  
 "D" - Planning  
 "B" - Pilot "Z" - used only when FST01 = 0



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FST10

783

Planning Schedule Type Code

O ID 02/02

not used

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SEGMENT:               **SHP - SHIPPED/RECEIVED INFORMATION**

LEVEL:                 Detail

MAX USAGE/LOOP:     25/LIN/SHP

PURPOSE:             Specify shipment and/or receipt information

GENERAL  
INFORMATION:

This segment is used to give information on either the last shipment received/shipped, or the cumulative quantity received/shipped as of a certain date.

EXAMPLES:

SHP\*01\*856\*011\*970803 N/L  
SHP\*02\*12384\*051\*970803 N/L

Auria's releases are CUM based. Our 830 will always include a Cum Received in the SHP\*02 segment of the raw EDI data.

Please find examples on page 31, Exhibit 1, of the calculation to determine the net requirement due based on the Prior Cum Required (ATH\*PQ), Cum Received (SHP\*02) and the individual bucketed quantities.

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
SHP01	673	Quantity Qualifier	O ID 02/02	"01" - Discrete quantity last received "02" - Cumulative quantity received
SHP02	380	Quantity	X R 01/15	
SHP03	374	Date/Time Qualifier	X ID 03/03	"011" - Shipped "050" - Received "051" - Cumulative quantity start date
SHP04	373	Date	X DT 06/06	
SHP05	337	Time	X TM 04/08	<b><u>not used</u></b>

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<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
SHP06	373	Date	O DT 06/06	
SHP07	337	Time	O TM 04/06	

\*\*If SHP01 = 02, this is the cumulative qty end date.

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**SUMMARY SEGMENT DESCRIPTION TABLE**

CTT	○	TRANSACTION TOTALS
SE	○	TRANSACTION SET TRAILER

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SEGMENT:                   **CTT - TRANSACTION TOTALS**

LEVEL:                      Trailer

MAX USAGE/LOOPS:        1/None

PURPOSE:   Transmit a hash total for a specific element in the transaction set.

GENERAL INFORMATION:       Provide number of LIN segments and the sum of the values in the FST01 elements.

EXAMPLE:                  CTT\*14\*193999494                N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
CTT01 segments	354	Number of Line Items	M NO 01/06	# of LIN
CTT02	347	Hash Totals	M R 01/10	Total of quantities from FST01
CTT03	81	Weight	X R 01/10	<u>not used</u>
CTT04	355	Unit Or Basis For Measurement Code	X ID 02/02	<u>not used</u>
CTT05	183	Volume	X R 01/08	<u>not used</u>
CTT06	355	Unit or Basis for Measurement Code	X ID 02/02	<u>not used</u>
CTT07	352	Description	X ID 01/080	<u>not used</u>

SEGMENT:                   **SE - TRANSACTION SET TRAILER**

LEVEL:                      Summary

MAX USAGE/LOOPS:        1/None

PURPOSE:                  Indicate the end of a transaction set and provide the count of the transmitted segments including the 'SE' and 'ST' segments.

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EXAMPLE:                      SE\*5\*0001                      N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
SE01	96	Number of Included Segments	M NO 01/10	Tot # of segments
SE02	329	Transaction Set Control Number	M AN 04/09	Same as ST02

**Exhibit 1 - Net Quantity Due Calculation Samples**

These examples assume that the SHP\*02 cumulative received quantity in the raw EDI is equal to the supplier's cumulative shipped quantity. The computations should be performed against the supplier's cumulative shipped quantity.

**A) Supplier has over-shipped:**

ATH\*PQ = 34880  
 SHP\*02 = 38656  
 Balance Due = -3776. The over shipped quantity of 3776 must be deducted from the FST until consumed.

The net results will be:

FST\*0\*C\*W\*130805  
 FST\*2304\*C\*W\*130812  
 FST\*3072\*D\*W\*130819  
 And so on...

LIN\*\*BP\*5818780\*PO\*WA36841  
 UIT\*EA  
 PID\*F\*\*\*\*LHF HTD/MEM/VNT SEAT  
 SWMALLORY SUV/PPU  
 REF\*BL\*a05028  
 PER\*BD\*0\*TE\*0  
 ATH\*FI\*130114\*40960\*\*130818  
 ATH\*MT\*130114\*46336\*\*130901  
 ATH\*PQ\*130804\*34880\*\*130804  
 SDP\*Y\*Y  
 FST\*3072\*C\*W\*130805  
 FST\*3008\*C\*W\*130812  
 FST\*3072\*D\*W\*130819  
 FST\*2304\*D\*W\*130826  
 FST\*2304\*D\*W\*130902  
 FST\*2304\*D\*W\*130909  
 FST\*3072\*D\*W\*130916  
 FST\*3072\*D\*W\*130923  
 FST\*3072\*D\*W\*130930  
 FST\*3072\*D\*W\*131007  
 FST\*3072\*D\*W\*131014  
 FST\*3072\*D\*W\*131021  
 FST\*2304\*D\*W\*131028  
 FST\*3072\*D\*W\*131104  
 FST\*2304\*D\*W\*131111  
 FST\*1536\*D\*W\*131118  
 FST\*2304\*D\*W\*131125  
 FST\*3072\*D\*W\*131202  
 FST\*1536\*D\*W\*131209  
 FST\*0\*D\*W\*131216  
 FST\*0\*D\*W\*131223  
 FST\*0\*D\*W\*131230  
 FST\*0\*D\*W\*140106  
 FST\*0\*D\*W\*140113  
 FST\*0\*D\*W\*140120  
 FST\*0\*D\*W\*140127  
 FST\*0\*D\*W\*140203  
 FST\*0\*D\*W\*140210  
 FST\*0\*D\*W\*140217  
 FST\*0\*D\*W\*140224  
 FST\*0\*D\*W\*140303

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FST\*0\*D\*W\*140310  
FST\*0\*D\*W\*140317  
FST\*0\*D\*W\*140324  
FST\*0\*D\*W\*140331  
FST\*0\*D\*W\*140407  
FST\*0\*D\*W\*140414  
FST\*0\*D\*W\*140421  
FST\*768\*D\*W\*140428  
FST\*0\*D\*W\*140505  
SHP\*01\*3008\*050\*130729  
SHP\*02\*38656\*051\*130114



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**B) Supplier is behind on shipments:**

ATH\*PQ = 34880  
SHP\*02 = 32566  
Balance Past Due = 2314

The net results will be:

FST\*5386\*C\*W\*130805  
FST\*3008\*C\*W\*130812  
FST\*3072\*D\*W\*130819  
And so on...

LIN\*\*BP\*5818780\*PO\*WA36841  
UIT\*EA  
PID\*F\*\*\*\*LHF HTD/MEM/VNT SEAT  
SWMALLORY SUV/PPU  
REF\*BL\*a05028  
PER\*BD\*0\*TE\*0  
ATH\*FI\*130114\*40960\*\*130818  
ATH\*MT\*130114\*46336\*\*130901  
ATH\*PQ\*130804\*34880\*\*130804  
SDP\*Y\*Y  
FST\*3072\*C\*W\*130805  
FST\*3008\*C\*W\*130812  
FST\*3072\*D\*W\*130819  
FST\*2304\*D\*W\*130826  
FST\*2304\*D\*W\*130902  
FST\*2304\*D\*W\*130909  
FST\*3072\*D\*W\*130916  
FST\*3072\*D\*W\*130923  
FST\*3072\*D\*W\*130930  
FST\*3072\*D\*W\*131007  
FST\*3072\*D\*W\*131014  
FST\*3072\*D\*W\*131021  
FST\*2304\*D\*W\*131028  
FST\*3072\*D\*W\*131104  
FST\*2304\*D\*W\*131111  
FST\*1536\*D\*W\*131118  
FST\*2304\*D\*W\*131125  
FST\*3072\*D\*W\*131202  
FST\*1536\*D\*W\*131209  
FST\*0\*D\*W\*131216  
FST\*0\*D\*W\*131223  
FST\*0\*D\*W\*131230  
FST\*0\*D\*W\*140106  
FST\*0\*D\*W\*140113  
FST\*0\*D\*W\*140120  
FST\*0\*D\*W\*140127  
FST\*0\*D\*W\*140203  
FST\*0\*D\*W\*140210  
FST\*0\*D\*W\*140217  
FST\*0\*D\*W\*140224  
FST\*0\*D\*W\*140303  
FST\*0\*D\*W\*140310  
FST\*0\*D\*W\*140317  
FST\*0\*D\*W\*140324  
FST\*0\*D\*W\*140331  
FST\*0\*D\*W\*140407  
FST\*0\*D\*W\*140414  
FST\*0\*D\*W\*140421  
FST\*768\*D\*W\*140428  
FST\*0\*D\*W\*140505

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SHP\*01\*3008\*050\*130729

SHP\*02\*32566\*051\*130114

For questions or more information, please send an email to [AuriaSupplierEDI@auriasolutions.com](mailto:AuriaSupplierEDI@auriasolutions.com).