



Auria Solutions, USA and Mexauria Solutions

IMPLEMENTATION GUIDELINES FOR AIAG (ASC X12) EDI CONVENTIONS

SHIP SCHEDULE TRANSACTION SET (862)

ASC X12  
VERSION/RELEASE 003060

# 862 SHIPPING SCHEDULE / PRODUCTION SCHEDULE

This standard contains the format and establishes the data contents of the Shipping Schedule Transaction Set (862) for use within the context of an Electronic Data Interchange (EDI) also known as Electronic Commerce (EC) environment. The transaction set can be used by supplier, and is intended to supplement the Planning Schedule Transaction Set (830). The Shipping Schedule Transaction Set will supersede certain shipping and delivery information transmitted in a previous Planning Schedule Transaction, but it does not replace the 830-transaction set. The Shipping Schedule Transaction Set shall not be used to authorize labor, materials, or other resources.

The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedules requirements on a more frequent basis than the issuance of a Planning Schedule Transaction. (e.g., daily shipping schedules versus weekly planning schedules). The Shipping Schedule Transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

<b>SEGMENT USAGE OVERVIEW</b>
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**HEADER SEGMENT DESCRIPTION TABLE**

ST	M	TRANSACTION SET HEADER
BSS	M	BEGINNING SEGMENT FOR SHIPPING SCHEDULE/ PRODUCTION SEQUENCE
DTM	O	DATE/TIME REFERENCE
N1	O	NAME

**DETAIL SEGMENT DESCRIPTION TABLE**

LIN	M	ITEM IDENTIFICATION
UIT	O	UNIT DETAIL
REF	O	REFERENCE IDENTIFICATION
PER	O	ADMINISTRATIVE COMMUNICATIONS CONTACT
FST	O	FORECAST SCHEDULE
SHP	O	SHIPPED / RECEIVED INFORMATION

**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>
ST		TRANSACTION SET HEADER
BSS		BEGINNING SEGMENT FOR SHIPPING SCH DULE/ PRODUCTION SEQUENCE
DTM	M	DATE/TIME REFERENCE
N1		NAME
N2	O	ADDITIONAL NAME INFORMATION NOT USED ADDRESS INFORMATION NOT USED
N3	O	GEOGRAPHIC LOCATION NOT USED REFERENCE IDENTIFICATION NOT USED
N4	O	ADMINISTRATIVE COMMUNICATIONS CONT A CT NOT USED
REF	O	F.O.B. RELATED INFORMATION NOT USED
PER	O	
FOB	O	

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SEGMENT:                   **ST - TRANSACTION SET HEADER**

LEVEL:                     Heading

MAX USAGE/LOOPS:        1/None

PURPOSE:                 Indicate the start 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\*862\*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 "862"
ST02	239	Transaction Set Control Number	M AN 04/09	A unique control number (same as SE02)

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SEGMENT: **BSS - BEGINNING SEGMENT FOR SHIPPING/PRODUCTION SEQUENCE**

LEVEL: Header

MAX USAGE/LOOPS: 1/None

PURPOSE: Transmit identifying numbers, dates, and other basic data relating to the 862-transaction set.

GENERAL INFORMATION: Element BSS04 indicates planning schedule is shipment based (SH) or delivery based (DL).

EXAMPLES: BSS\*05\*\*970804\*SH\*970804\*971027 N/L Shipment based  
BSS\*05\*\*970804\*DL\*970804\*971027 N/L Delivery based

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
BSS01				"05" = Replace Document number
BSS02	127	Forecast Order Number	M AN 01/30	
BSS03				Format (YYMMDD)
	373	Document Creation Date	M DT 06/06	
BSS04	675	Schedule Type Qualifier	M DT 06/06	DL = delivery

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based  
SH = shipment

KB =  
KANBAN  
Signal

BSS05	373 Horizon Start Date	M DT 06/06	Format (YYMMDD)
BSS06	373 Horizon End Date	M DT 06/06	Format (YYMMDD)
BSS07	328 Release Number	X AN 01/30	
BSS08	127 Reference Identification	O AN 01/30	Same as BSS02
BSS09	367 Contact Number	O AN 01/30	<u>not used</u>
BSS10	324 Corporate Contract Number	M ID 01/22	
BSS11	676 Schedule Quantity Qualifier	O ID 01/01	<u>not used</u>

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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\*\*19               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) HH = hour MM = minutes SS = seconds
DTM04	623	Time Zone Qualifier	O ID 02/02	<u>not used</u>
DTM05	624	Century	O NO 02/02	"20" = 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\*\*0296SUPPU               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
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 Group plant number associated with the "ST" Destination

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<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
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</b>	
<b>UIT</b>	<b>O</b>	<b>UNIT DETAIL</b>	
PKG	O	PARKING, PACKAGING, LOADING	NOT USED
PO4	O	ITEM PHYSICAL MARKINGS	NOT USED
PRS	O	PART RELEASE STATUS	NOT USED
QTY	O	QUANTITY	NOT USED
<b>REF</b>	<b>O</b>	<b>REFERENCE IDENTIFICATION</b>	
<b>PER</b>	<b>O</b>	<b>ADMINISTRATIVE COMMUNICATIONS CONTACT</b>	
SDP	O	SHIP/DELIVERY PATTERN	NOT USED
<b>FST</b>	<b>O</b>	<b>FORECAST SCHEDULE</b>	
DTM	O	DATE/TIME REFERENCE	NOT USED
SDQ	O	DESTINATION QUANTITY	NOT USED
JIT	O	JUST-IN-TIME SCHEDULE	NOT USED
REF	O	REFERENCE IDENTIFICATION	NOT USED
<b>SHP</b>	<b>O</b>	<b>SHIPPED / RECEIVED INFORMATION</b>	
REF	O	REFERENCE IDENTIFICATION	NOT USED
TD1	O	CARRIER DETAILS (QUANTITY AND WEIGH)	NOT USED
TD2	O	CARRIER DETAILS (EQUIPMENT)	NOT USED
TD3	O	CARRIER DETAILS (ROUTING SEQ/TRANSIT TIME)	NOT USED

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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 plant part number, purchase order, engineering level, model year.

**EXAMPLE:**         LIN\*\*BP\*05003670\*PO\*277634\*RY\*7\*EC\*12345 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	M AN 01/40	Auria Part
LIN04 through LIN31		Provides 14 additional pairs of Product/Service ID Qualifiers and Product/Service ID's to further describe the line item. The below code list applies to each occurrence of data element 235 in these pairs.		

**NOTE:**    "CN" = Commodity Name  
          "CR" = Contract Number  
          "DR" = Drawing Revision Number

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"EC" = Engineering Change Level  
"KP" = Kanban Plan Number  
"PL" = Purchase's Order Line Number  
"PR" = Process Number  
"PO" = Auria Reference Number  
"RN" = Release Number  
"RY" = Record Keeping or Model Year  
"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 of Unit Price Code	O ID 02/02	<u>not used</u>

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

SEGMENT:                    **REF - REFERENCE IDENTIFICATION**

LEVEL:                      Detail

MAX USAGE/LOOP:        12/LIN

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 1
REF02	127	Reference Identification	X AN 01/30	

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REF03                    352 Description                    X AN 01/80                    not used

NOTE:            "DK" = Dock Number  
                  "JH" = Tag Number (KANBAN Card)  
                  "KB" = Beginning Kanban Serial Number  
                  "KE" = Ending Kanban Serial Number  
                  "K6" = Purchase Description  
                  "LF" = Line Feed Assembly Location  
                  "LS" = Bar Coded Serial Number  
                  "RL" = Reserve Line Feed Assembly Location  
                  "BL" = Bill of Lading

SEGMENT:                    **PER - ADMINISTRATIVE COMMUNICATIONS CONTACT**

LEVEL:                        Detail MAX

USAGE/LOOP:                3/LIN

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

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

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<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 "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: **FST - FORECAST SCHEDULE**

LEVEL: Detail

MAX UASGE/LOOP: 260/LIN/SDP

PURPOSE: Specify the forecasted dates and quantities

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\*C\*D\*970804 N/L  
FST\*1366\*D\*D\*970804 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
FST01	380	Quantity	M R	01/15

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FST02	680	Forecast Qualifier	M ID 01/01	"C" - Firm "D" - Planning "Z" - Use for zero quantities
FST03	681	Forecast Timing Qualifier	M ID 01/01	"D" - Discrete "Z" - Use for zero quantities
FST04	373	Forecast Schedule Date	M DT 06/06	(YYMMDD)
FST05	373	Date	X DT 06/06	<b><u>not used</u></b>
FST06	374	Date/Time Qualifier	O ID 03/03	
FST07	337	Time	O TM 04/08	<b>Ship time window (HHMM)</b>
FST08	128	Reference Identification Qualifier	O ID 02/03	"KB" for Kanban
FST09	127	Reference Identification	O AN 01/30	<b>Kanban card</b>
FST10	783	Planning Schedule Type Code	O ID 02/02	<b>number <u>not used</u></b>

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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

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
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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		X DT 06/06	
	337	Date		<u>not used</u>
SHP05	373	Time	X TM 04/08	
SHP06	337	Date	O DT 06/06	<u>not used</u>
SHP07		Time	O TM 04/06	

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SEGMENT:                   **REF - RECEIVED INFORMATION**

LEVEL:                     Detail

MAX USAGE/LOOP         25/LIN/SHP

PURPOSE:                 Specify last ASN/Pack slip number received

GENERAL  
INFORMATION:             This segment is used to give information on the last  
shipment received.

EXAMPLES:                REF\*SI\*141878  
REF\*01 (SI)=Shipper  
REF\*02 Shipment Number

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**SUMMARY SEGMENT DESCRIPTION TABLE**

<u>SEGMENT</u>	<u>REQD</u>	<u>DESCRIPTION</u>
CTT	O	TRANSACTION TOTALS
SE	O	TRANSACTION SET TRAILER

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SEGMENT:                   **CTT - TRANSACTION TOTALS**

LEVEL:                      Trailer

MAX USAGE/LOOPS:    1/None

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

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

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

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ATTRIBUTES</u>	<u>COMMENTS</u>
CTT01	354	Number of Line Items	M NO 01/06	Number of LIN segments
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> <u>not used</u>
CTT06	355	Unit or Basis For Measurement Code	X ID 02/02	
CTT07	352	Description	X AN 01/80	<u>not used</u>

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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.

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 segs
SE02	329	Transaction Set Control Number	M AN 04/09	Same as corresponding ST02

For questions or more information, please send an email to [AuriaSupplierEDI@auriasolutions.com](mailto:AuriaSupplierEDI@auriasolutions.com) and include the Auria facility that you supply to.