

LEAR CORPORATION

IMPLEMENTATION GUIDELINES FOR AIAG (ASC X12) EDI CONVENTIONS

PRODUCTION RELEASE TRANSACTION SET (830)

LEAR CORPORATION ITC  
24467 WEST TEN MILE RD  
SOUTHFIELD, MI 48034

ASC X12  
VERSION/RELEASE 002040

**Lear Corporation - Electronic Systems Division (ESD)**  
**Implementation Guideline for Electronic Data Interchange**  
**X12 ver.2040**  
**830 - Release for Production Material**

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

ST	M	TRANSACTION SET HEADER
BFR	M	BEGINNING SEGMENT FOR PLANNING SCHEDULE
NTE	F	NOTE/SPECIAL INSTRUCTION

**DETAIL SEGMENT DESCRIPTION TABLE**

LIN	M	ITEM IDENTIFICATION
UIT	M	UNIT DETAIL
PRS	O	PART RELEASE STATUS
N1	M	NAME
N4	O	GEOGRAPHIC LOCATION
FST	M	FORECAST SCHEDULE
SDP	M	SHIP/DELIVERY PATTERN
ATH	O	RESOURCE AUTHORIZATION
SHP	O	SHIPPED / RECEIVED INFORMATION
NTE	F	NOTE/SPECIAL INSTRUCTION

**SUMMARY SEGMENT DESCRIPTION TABLE**

CTT	M	TRANSACTION TOTALS
SE	M	TRANSACTION SET TRAILER

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SEGMENT                    ST - Transaction Set Header

MAX USAGE/LOOPS        1/None

PURPOSE                    To indicate the beginning of a transaction set and to  
 assign a control number

GENERAL INFO              The transaction set control number (ST02) in this header  
 must match the transaction set control number (SE02) in  
 the transaction set trailer (SE).

ELEM ID	###		Lear Req.	COMMENTS
ST01	143	M ID 03/03	Yes	Use "830" Planning Schedule with release capacity
ST02	329	M AN 09/09	Yes	Unique Control Number

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SEGMENT                    BFR - Beginning Segment

MAX USAGE/LOOPS        1/None

PURPOSE                    To Indicate the beginning of a planning schedule transaction set and related forecast dates.

GENERAL INFO            Element BFR04 will indicate the planning schedule is delivery based.

ELEM ID	###		Lear Req.	COMMENTS
BFR01	353	M ID 02/02	Yes	"00" Original Release "01" Cancel "04" Change "05" Replace
BFR02	127	C AN 01/30	No	Not Used
BFR03	328	M AN 04/04	Yes	Sequential Release Number
BFR04	675	M ID 02/02	Yes	"SH" Delivery Based
BFR05	676	M ID 01/01	Yes	"C" Cumulative Quantities "R" Replacement Quantities
BFR06	373	M DT 06/06	Yes	Horizon Start Date YYYYDD Beginning Inventory Date
BFR07	373	M DT 06/06	Yes	Horizon end date YYYYDD
BFR08	373	M DT 06/06	Yes	Forecast Issue Date YYYYDD
BFR09	373	C DT 06/06	Yes	Date Forecast Updated YYYYDD Used when BFR01 = 04
BFR10	367	O AN 01/30	No	Not Used
BFR11	324	O AN 01/22	No	

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SEGMENT	LIN - Item Identification Detail			
LEVEL	Detail			
MAX USAGE/LOOPS	1/10,000			
PURPOSE	To specify basic item identification data.			
GENERAL INFO	This segment is used for part number information.			
ELEM ID	###		Lear Req.	COMMENTS
LIN01	350	O AN 01/06	NO	Not Used
LIN02	235	M ID 02/02	Yes	"BP" Buyers Part
LIN03	234	M AN 20/22	Yes	Production Part Number Prefix - 6 Right Justified Body - 9 R Justified Suffix - 3 R Justified - 2 R Justified Color - 2 R Justified Prefix and Color are Optional
LIN04	235	O ID 02/02	Yes	"RF" Reference Number
LIN05	234	C AN 01/30	Yes	Cross Reference Part Number
LIN06	235	O ID 02/02	Yes	"PO" Purchase Order Number
LIN07	234	L AN 01/30	Yes	PO Number
LIN08 thru				Not used



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SEGMENT                   UIT - Unit Detail

LEVEL                     Detail

MAX USAGE/LOOPS        1/None

PURPOSE                 To specify item unit data.

GENERAL INFO            This segment indicates the unit of measure for the part.

ELEM ID	###		Lear Req.	COMMENTS
UIT01	355	M ID 02/02	Yes	Order unit of measurement code Code from ANSI Unit of Measure Table
UIT02	212	C R 01/14	No	Not Used
UIT03	639	O Id 02/02	No	Not Used



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SEGMENT                    N1 - Name

MAX USAGE/LOOPS        1/200

PURPOSE                    To identify the ship to location

GENERAL INFO             UTA will require this to be sent at the detail level.

ELEM ID	###		Lear Req.	COMMENTS
N101	098	M ID 02/02	Yes	"ST" Ship to location "VN" Vendor Number
N102	093	C AN 01/35	Yes	Ship to Name
N103	066	M ID 01/02	Yes	"6" Plant Code "92" Assigned by Lear
N104	067	C ID 02/17	Yes	Plant Code Lear Assigned Vendor Code

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SEGMENT                    N4 - Geographic Location

MAX USAGE/LOOPS        1/None

PURPOSE                    To specify geographic place of named party.

GENERAL INFO             For city, state, province information

ELEM ID	###		Lear Req.	COMMENTS
N401	019	C AN 02/19	No	Not Used
N402	156	C ID 02/02	No	Not Used
N403	116	C ID 05/09	No	Not Used
N404	026	O ID 02/02	No	Not Used
N405	309	M ID 01/02	Yes	Location Qualifier "PL" for Plant
N406	310	M AN 01/25	Yes	Plant Number (Lear 3 digit Plant Code)

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SEGMENT                   SDP - Ship Delivery Pattern

MAX USAGE/LOOPS        1/None

PURPOSE                 To identify specific ship/delivery requirements.

GENERAL INFO

ELEM ID	###		Lear Req.	COMMENTS
SDP01	678	M ID 01/02	Yes	AIAG Codes
SDP02	679	M ID 01/01	Yes	AIAG Codes
SDP03 thru SDP08			No	Not used



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SEGMENT                   ATH

LEVEL                    Detail

MAX USAGE/LOOPS       2/None

PURPOSE                 To specify resource authorizations

GENERAL INFO            This segment will give Fabrication and Material  
                               authorization.

ELEM ID	###		Lear Req.	COMMENTS
ATH01	672	M ID 02/02	Yes	"MT" Material Authorization "FI" Fabrication Authorization
ATH02	373	C DT 06/06	Yes	Start date
ATH03	380	C R 01/10	Yes	Authorized Qty
ATH04	380	O R 01/10	No	Not used
ATH05	373	C OT 06/06	Yes	End date





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SEGMENT                    NTE - Note

MAX USAGE/LOOPS        100/None

PURPOSE                    To provide information in a free form format.  
                               This segment can appear anywhere after the BFR segment.

ELEM			Lear	
ID	###		Req.	COMMENTS
NTE01	363	O ID 03/03	No	Not Used
NTE02	003	M AN 01/60	Yes	Any Free form message

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SEGMENT                    SE - Transaction Set Trailer

LEVEL                     SUMMARY

MAX USAGE/LOOPS        1/None

PURPOSE                  To indicate the end of the transaction set. Provide count  
 of all transmitted segments.

GENERAL INFO            Transaction set control number must match value in ST02.

ELEM ID	###		Lear Req.	COMMENTS
SE01	096	M NO 01/06	Yes	Count of all segments in this transaction set including ST and SE
SE02	329	M AN 04/09	Yes	Same as ST02