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 VERSI ON/RELEASE 002040

830 - Release for Production Material

830 planning schedule with release capability

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 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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SEGMENT USAGE OVERVIEW

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	0	PART RELEASE STATUS
N1	M	NAME
N4	0	GEOGRAPHIC LOCATION
FST	M	FORECAST SCHEDULE
SDP	M	SHIP/DELIVERY PATTERN
ATH	0	RESOURCE AUTHORIZATION
SHP	0	SHIPPED / RECEIVED INFORMATION
NTE	F	NOTE/SPECIAL INSTRUCTION

SUMMARY SEGMENT DESCRIPTION TABLE

(CTT	M	TRANSACTION	TOT	ALS
5	SE	M	TRANSACTION	SET	TRAILER

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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

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SEGMENT	ST - Transacti	ST - Transaction Set Header					
MAX USAGE/LOOPS	1/None	1/None					
PURPOSE		To indicate the beginning of a transaction set and to assign a control number					
GENERAL INFO	must match the	n set control number (ST02) in this header transaction set control number (SE02) in n set trailer (SE).					
ELEM	Lea	r					
ID ###	Rec	. 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 YYMMDD Beginning Inventory Date
BFR07	373	M DT 06/06	Yes	Horizon end date YYMMDD
BFR08	373	M DT 06/06	Yes	Forecast Issue Date YYMMDD
BFR09	373	C DT 06/06	Yes	Date Forecast Updated YYMMDD Used when BFR01 = 04
BFR10	367	O AN 01/30	No	Not Used
BFR11	324	O AN 01/22	No	

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DETAIL SEGMENT DESCRIPTION TABLE

LIN	M	ITEM IDENTIFICATION
UIT	M	UNIT DETAIL
PRS	0	PART RELEASE STATUS
N1	M	NAME
N4	0	GEOGRAPHIC LOCATION
FST	M	FORECAST SCHEDULE
SDP	M	SHIP/DELIVERY PATTERN
ATH	0	RESOURCE AUTHORIZATION
SHP	0	SHIPPED / RECEIVED INFORMATION
NTE	F	NOTE/SPECIAL INSTRUCTION

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SEGMENT			LIN	- Item	Identifi	cation Detail
LEVEL]	Deta	ail		
MAX USAGE	/LOOPS		1/10	0,000		
PURPOSE		,	Го я	specify	basic it	em identification data.
GENERAL II	NFO	T	his	segmen	t is used	for part number information.
ELEM ID	###				Lear Req.	COMMENTS
LIN01	350	0	AN	01/06	NO	Not Used
LIN02	235	M	ID	02/02	Yes	"BP" Buyers Part
LIN03	234	М	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	0	ID	02/02	Yes	"RF" Reference Number
LIN05	234	С	AN	01/30	Yes	Cross Reference Part Number
LIN06	235	0	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 PRS - Part Release Status

MAX USAGE/LOOPS 1/None

PURPOSE To determine status of part being ordered with respect to

this material release.

GENERAL INFO This segment is used to indicate balance out.

ELEM ID	###		Lear Req.	COMMENTS
PRS01	682	M ID 01/02	Yes	"7" Final Release for this cancelled part.
PRS02	352	O AN 01/80	No	Description

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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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MAX USAGE/LOOPS 1/None

SEGMENT

PURPOSE To specify geographic place of named party.

N4 - Geographic Location

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			Lear	
ID	###		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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SECMENT	FST -	Forecast	Schedule

MAX USAGE/LOOPS 260/None

PURPOSE To specify forecasted dates and quantities

GENERAL INFO Generally the date will be the Monday of the week to ship.

Date prior to release date indicates past due

ELEM ID	###		Lear Req.	COMMENTS
FST01	380	M R 01/10 M R 10/10	Yes	Cumulative quantity
FST02	680	M ID 01/01	Yes	"A" Immediate past due "C" Firm "D" Planning info only
FST03	681	M ID 01/01	Yes	"D" Discrete Quantities "W" Weekly Quantities "M" Monthly Quantities
FST04	373	M DT 06/06	Yes	*Monday of week to ship YYMMDD
FST05 thru FST09			No	Not Used

^{*}If FST02="A" and FST03 = "D" or "W" then FST04 is the transmission date. This indicates a past due requirement that should be shipped immediately.

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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	SHP - Ship	SHP - Shipped Received Information				
MAX USAGE/LOOPS	1/2	1/2				
PURPOSE	To specify	To specify shipment and/or receipt information				
GENERAL INFO		This will be used to show the quantity UTA indicates was in transit at time of release cut-off				
ELEM		Lear				
ID ###		Req.	COMMENTS			
SHP01 673	M ID 02/02	Yes	"01" Discrete "02" Cumulative			
SHP02 380	C R 01/10	Yes	"01" Last received quantity "02" Year to date quantity			
SHP03 374	O ID 03/03	Yes	"011" Last received date "051" Accumulation start date			
SHP04 373	C OT 06/06	Yes	Date			
SHP05 337	O TM 04/04	No	Not used			
SHP06 373	C DT 06/06	Yes	Used when SHP03 = '051' Accumulation end date			
SHP07 337	O TM 04/04	No	Not used			

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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.

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SUMMARY SEGMENT DESCRIPTION TABLE

CTT M TRANSACTION TOTALS

SE M TRANSACTION SET TRAILER

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SEGMENT CTT - Transaction Totals

LEVEL SUMMARY

MAX USAGE/LOOPS 1/None

PURPOSE To transmit hash totals

GENERAL INFO This segment allows receiver to perform checks for

completeness and correctness.

ELEM ID	###		Lear Req.	COMMENTS
CTT01	354	M NO 01/06	Yes	Total number of LIN segments
CTT02	347	M R 01/10	Yes	Hash total of all quantities in FST01
CTT03 thru				Not Used

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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 STO2.

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