

LEXON CORPORATION

EDI TECHNICAL SPECIFICATIONS

FOR

**830 Planning Schedule with
Release Capability**

ANSI X-12 Version 004010

December 17, 2007

830 Planning Schedule with Release Capability

Functional Group ID=**PS**

Introduction:

This Draft Standard for Trial Use 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) 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 will be used as a forecast that is also used as an order release mechanism. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BFR	Beginning Segment for Planning Schedule	M	1		
			LOOP ID - FOB	O	1	1	
Optional	70	FOB	F.O.B. Related Instructions	O	1		
			LOOP ID - TD5		1		
Optional	90	TD5	Carrier Details	O	1		
			LOOP ID - N1			>1	
Must Use	230	N1	Name	O	1		
Optional	250	N3	Address Information	O	2		
Optional	260	N4	Geographic Location	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			>1	
Must Use	010	LIN	Item Identification	M	1		
Must Use	020	UIT	Unit Detail	O	1		
			LOOP ID - FST			>1	
Must Use	410	FST	Forecast Schedule	O	1		n1

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set “830”	M ID 3/3
>>	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BFR** Beginning Segment for Planning Schedule

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

- Semantic Notes:**
- 1 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
 - 2 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
 - 3 BFR08 is the date forecast generated: The date the forecast data was generated.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	BFR01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 05 Replace 01 CANCEL	M ID 2/2
>>	BFR04	675	Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based (All FST Dates are Deliver ON Dates)	M ID 2/2
>>	BFR05	676	Schedule Quantity Qualifier Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities	M ID 1/1
>>	BFR06	373	Date Date expressed as CCYYMMDD Horizon Start Date	M DT 8/8
>>	BFR07	373	Date Date expressed as CCYYMMDD Horizon End Date	M DT 8/8
>>	BFR08	373	Date Date expressed as CCYYMMDD Generation Date	M DT 8/8
>>				

Segment: **TD5**
Position: 230
Loop: **TD5** **Optional**
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a transportation details.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	TD502	66	Identification Code Qualifier	M ID 2/3
			2 Standard Carrier Alpha Code	
>>	TD503	67	Identification Code	M ID 1/80
			Carrier Identification Carrier Standard Alpha Code	

Segment: **N1** Name

Position: 230
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 If either N103 or N104 is present, then the other is required.
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To SU Supplier/Manufacturer	M ID 2/3
>>	N102	93	Name Name of entity qualified in the preceding field	M ID 2/3
>>	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 01 D-U-N-S Number, Dun & Bradstreet	M ID 1/2
>>	N104	67	Identification Code Code identifying a party or other code DUNS Number	M AN 2/80

Segment: N3 Address Information
Position: 250
Loop: N1 Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> N301	166	Address	M ID 1/35
		Address Information	

Segment: **N4** Geographic Location
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify geographic location of the named party.

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N401	19	City name	M ID 1/25
>>	N402	156	State or province	M ID 1/5
>>	N403	116	Postal Code	M ID 1/10
>>	N404	26	Country Code	M ID 1/10

Segment: **LIN** Item Identification

Position: 010
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.
 2 If either LIN06 or LIN07 is present, then the other is required.

Semantic Notes: 1 LIN01 is the line item identification
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
>>	LIN03	234	Product/Service ID Identifying number for a product or service LEXON Part Number	M AN 1/48
	LIN04	235	Product/Service ID Qualifier	X ID 2/2
	LIN05	234	Product/Service ID	X AN 1/48
	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PD Part Description	X ID 2/2
	LIN07	234	Product/Service ID Part Description	X AN 1/48

Segment: **UIT** **Unit Detail**
Position: 020
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	UIT01	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
>>	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

Segment: **FST** Forecast Schedule
Position: 410
Loop: FST Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the forecasted dates and quantities
Syntax Notes:
Comments: 1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date or the first date of a forecasted bucket (weekly, monthly, quarterly, etc.).

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	FST01	380	Quantity Numeric value of quantity	M R 1/15
>>	FST02	680	Forecast Qualifier Code specifying the sender's confidence level of the forecast data or an action associated with a forecast C Firm D Planning	M ID 1/1
>>	FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast D=Daily W=Weekly M=Monthly	M ID 1/1
>>	FST04	373	Date Date expressed as CCYYMMDD <u>LEXON Deliver On Date</u>	M DT 8/8
	FST05		Purchase Order Qualifier PO Qualifier = PO	O ID 2/2
	FST06		PO Number Firm PO Number	O ID 1/20

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> CTT01	354	Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
		Number of LIN segments contained in the transaction	

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary			
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u> <u>Name</u>	<u>Attributes</u>
>>	SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
>>	SE02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9