MSSL WIRING SYSTEM

830 Planning Schedule
Version 4010

830 Planning Schedule with Release Capability

Functional Group=PS

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) 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 a 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 material; (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 all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
001	ISA	Interchange Control Header	M	1		
002	GS	Functional Group Header	M	1		
010	ST	Transaction Set Header	M	1		
020	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1					**200**	
230	N1	Name	O	1		
021	GE	Functional Group Trailer	M	1		
022	IEA	Interchange Control Trailer	M	1		

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID - LIN					**>1**	
010	LIN	Item Identification	M	1		
020	UIT	Unit Detail	O	1		
LOOP ID - FST					**>1**	
410	FST	Forecast Schedule	O	1		

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	CTT	Transaction Totals	O	1		N3/010
020	SE	Transaction Set Trailer	M	1		

Notes:

3/010   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.

ISA   Interchange Control Header

Pos: 001	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elems: 16**

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ISA01	**I01**	**Authorization Information Qualifier**	M	ID	2/2
		Code **NAME**			
		00 No Authorization Information Present (No Meaningful Information in I02)			
ISA02	**I02**	**Authorization Information**	M	AN	10/10
ISA03	**I03**	**Security Information Qualifier**	M	ID	2/2
		Code **NAME**			
		00 No Security Information Present (No Meaningful Information in I04)			
ISA04	**I04**	**Security Information**	M	AN	10/10
ISA05	**I05**	**Interchange ID Qualifier**	M	ID	2/2
		Code **NAME**			
		01 Duns (Dun & Bradstreet)			
ISA06	**I06**	**Interchange Sender ID**	M	AN	15/15
		Alphabet:			
		087709002			
ISA07	**I05**	**Interchange ID Qualifier**	M	ID	2/2
ISA08	**I07**	**Interchange Receiver ID**	M	AN	15/15
ISA09	**I08**	**Interchange Date**	M	DT	6/6
ISA10	**I09**	**Interchange Time**	M	TM	4/4
ISA11	**I10**	**Interchange Control Standards Identifier**	M	ID	1/1
		Code **NAME**			
		U U.S. EDI Community of ASC X12,and UCS			
ISA12	**I11**	**Interchange Control Version Number**	M	ID	5/5
		Code **NAME**			
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997			
ISA13	**I12**	**Interchange Control Number**	M	N0	9/9
ISA14	**I13**	**Acknowledgment Requested**	M	ID	1/1
		Code **NAME**			
		0 No Acknowledgment Requested			
ISA15	**I14**	**Usage Indicator**	M	ID	1/1

Ref	Id	Element Name	Req	Type	Min/Max

Code	NAME
P	Production Data

| **ISA16** | **I15** | **Component Element Separator** | **M** | | **1/1** |

GS   Functional Group Header

Pos: 002	Max: 1
Heading - Mandatory	
Loop: N/A	**Elems: 8**

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GS01	**479**	**Functional Identifier Code**	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		PS Planning Schedule with Release Capability (830)			
GS02	**142**	**Application Sender's Code**	M	AN	2/15
		Alphabet:			
		087709002			
GS03	**124**	**Application Receiver's Code**	M	AN	2/15
GS04	**373**	**Date**	M	DT	8/8
GS05	**337**	**Time**	M	TM	4/8
GS06	**28**	**Group Control Number**	M	N0	1/9
GS07	**455**	**Responsible Agency Code**	M	ID	1/2
		<u>Code</u> <u>NAME</u>			
		X Accredited Standards Committee X12			
GS08	**480**	**Version / Release / Industry Identifier Code**	M	AN	1/12
		<u>Code</u> <u>NAME</u>			
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997			

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.

ST   Transaction Set Header

<div style="border:1px solid black">
Pos: 010   Max: 1
Heading - Mandatory
Loop: N/A   Elems: 2
</div>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3

Code	NAME
830	Planning Schedule with Release Capability

Ref	Id	Element Name	Req	Type	Min/Max
ST02	329	**Transaction Set Control Number**	M	AN	4/9

BFR   Beginning Segment for Planning Schedule

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elems: 8

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
BFR01	353	**Transaction Set Purpose Code**	M	ID	2/2

Code	NAME
00	Original
05	Replace

Ref	Id	Element Name	Req	Type	Min/Max
BFR02	127	**Reference Identification**	C	AN	1/30
BFR03	328	**Release Number**	C	AN	1/30
BFR04	675	**Schedule Type Qualifier**	M	ID	2/2

Code	NAME
DL	Delivery Based

Ref	Id	Element Name	Req	Type	Min/Max
BFR05	676	**Schedule Quantity Qualifier**	M	ID	1/1

Code	NAME
A	Actual Discrete Quantities

Ref	Id	Element Name	Req	Type	Min/Max
BFR06	373	**Date**	M	DT	8/8
BFR07	373	**Date**	O	DT	8/8
BFR08	373	**Date**	M	DT	8/8

Semantics:

1. BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
2. BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
3. BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
4. BFR08 is the date forecast generated: The date the forecast data was generated.

N1   Name

<div style="text-align:right">

Pos: 230   Max: 1
Heading - Optional
Loop: N1   Elems: 4

</div>

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	**98**	**Entity Identifier Code**	**M**	**ID**	**2/3**

Code NAME
ST   Ship To

Ref	Id	Element Name	Req	Type	Min/Max
N102	**93**	**Name**	**C**	**AN**	**1/60**
N103	**66**	**Identification Code Qualifier**	**C**	**ID**	**1/2**

Code NAME
92   Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max
N104	**67**	**Identification Code**	**C**	**AN**	**2/80**

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

LIN   Item Identification

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LIN02	**235**	**Product/Service ID Qualifier**	**M**	**ID**	**2/2**
		Code NAME			
		BP Buyer's Part Number			
LIN03	**234**	**Product/Service ID**	**M**	**AN**	**1/48**
LIN04	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**
LIN05	**234**	**Product/Service ID**	**C**	**AN**	**1/48**
LIN06	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**
		Code NAME			
		VP Vender's Part Number			
LIN07	**234**	**Product/Service ID**	**C**	**AN**	**1/48**

Syntax:

1. LIN06 P0607 -- If either LIN06 or LIN07 are present, then the others are required.

UIT   Unit Detail

Pos: 020	**Max: 1**
Detail - Optional	
Loop: N/A	**Elems: 3**

To specify item unit data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
UIT01	**C001**	**Composite Unit of Measure**	**M**	**Com p**	
	355	**Unit or Basis for Measurement Code**	**M**	**ID**	**2/2**

Code NAME
EA   Each

FST Forecast Schedule

Pos: 410	Max: 260
Detail - Optional	
Loop: N/A	Elems: 4

To specify the forecasted dates and quantities

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
FST01	380	Quantity	M	R	1/15
FST02	680	Forecast Qualifier	M	ID	1/1

Code	NAME
C	Firm
D	Planning

Ref	Id	Element Name	Req	Type	Min/Max
FST03	681	Forecast Timing Qualifier	M	ID	1/1

Code	NAME
D	Discrete

Ref	Id	Element Name	Req	Type	Min/Max
FST04	373	Date	M	DT	8/8

CTT Transaction Totals

To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	354	Number of Line Items	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10

SE

Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elems: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9

GE Functional Group Trailer

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GE01	**97**	**Number of Transaction Sets Included**	**M**	**N0**	**1/6**
GE02	**28**	**Group Control Number**	**M**	**N0**	**1/9**

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

IEA   Interchange Control Trailer

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
IEA01	**I16**	**Number of Included Functional Groups**	**M**	**N0**	**1/5**
IEA02	**I12**	**Interchange Control Number**	**M**	**N0**	**9/9**