



Planning Schedule (X12 004010 830)

Version 1.0
February 10, 2014

iConnect, Inc.

Revision History

Revision	Date	Description
1.0	2/10/2014	Created

Header Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
010	ST	Transaction Set Header	M	1	
020	BFR	Beginning Segment for Planning Schedule	M	1	
030	NTE	Note/Special Instruction	O	6	
***	***	N1 LOOP	M	2	080
050	N1	Name	M	1	
060	N3	Address	O	2	
070	N4	Geographic Location	O	1	
080	PER	Administrative Communications Contact	O	1	

Detail Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
***	***	LIN LOOP	M	999999	130
090	LIN	Item Identification	M	1	
100	UIT	Unit Detail	M	1	
110	PID	Product/Item Description	M	2	
120	REF	Reference Identification	O	1	
130	ATH	Resource Authorization	O	1	
***	***	FST LOOP	M	260	110
140	FST	Forecast Schedule	M	1	
***	***	SHP LOOP	O	3	120
150	SHP	Shipped/Received Information	M	1	

Summary Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
160	CTT	Transaction Totals	M	1	

Segment: ST – Transaction Set Header
Position: 010
Loop Ending Position:
Section: Header
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
ST01	0143	Transaction Set Identifier Code	M	ID	3 / 3	
ST02	0329	Transaction Set Control Number	M	AN	4 / 9	

Segment: BFR – Beginning Segment for Planning Schedule
Position: 020
Loop Ending Position:
Section: Header
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
BFR01	0353	Transaction Set Purpose Code	M	ID	2 / 2	'00' = Original
BFR02	0127	Reference Number	X	AN	1 / 30	Not Used
BFR03	0328	Release Number	M	AN	1 / 30	
BFR04	0675	Schedule Type Qualifier	M	ID	2 / 2	'DL' = Delivery Based
BFR05	0676	Schedule Quantity Qualifier	M	ID	1 / 1	'A' = Actual Discrete Quantities
BFR06	0373	Release Start Date	M	DT	8 / 8	
BFR07	0373	Release End Date	M	DT	8 / 8	
BFR08	0373	Release Generation Date	M	DT	8 / 8	
BFR09	0373	Date	X	DT	8 / 8	Not Used
BFR10	0367	Contract Number	X	AN	1 / 30	Not Used
BFR11	0324	Purchase Order Number	X	AN	1 / 22	Not Used
BFR12	0783	Planning Schedule Type Code	X	ID	2 / 2	Not Used

Segment: NTE – Note/Special Instruction
Position: 030
Loop Ending Position:
Section: Header
Usage: Optional
Max Use: 6
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
NTE01	0363	Note Reference Code	M	ID	3 / 3	'GEN' = Entire Transaction Set
NTE02	0003	Free Form Message	M	AN	1 / 60	

Segment: N1 – Name
Position: 050
Loop Ending Position: 080
Section: Header
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
N101	0098	Entity Identifier Code	M	ID	2 / 2	'ST' = Ship To 'SU' = Supplier
N102	0093	Name	M	AN	1 / 35	
N103	0066	Identification Code Qualifier	M	ID	1 / 2	'92' = Assigned by Buyer
N104	0067	Identification Code	M	ID	2 / 17	

Segment: N3 – Address
Position: 060
Loop Ending Position:
Section: Header
Usage: Optional
Max Use: 2
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
N301	0166	Address Information	M	AN	1 / 35	
N302	0166	Address Information	M	AN	1 / 35	Not Used

Segment: N4 – Geographic Location
Position: 070
Loop Ending Position:
Section: Header
Usage: Optional
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
N401	0019	City Name	O	AN	2 / 19	
N402	0156	State or Province Code	O	ID	2 / 2	
N403	0116	Postal Code	O	ID	4 / 9	
N404	0026	Country Code	O	ID	2 / 2	
N405	0309	Location Qualifier	X	ID	1 / 2	Not Used
N406	0310	Location Identifier	X	AN	1 / 25	Not Used

Segment: PER – Administrative Communications Contact
Position: 080
Loop Ending Position:
Section: Header
Usage: Optional
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
PER01	0366	Contact Function Code	M	ID	2 / 2	‘ZZ’ = Mutually Defined
PER02	0093	Name	M	AN	1 / 35	
PER03	0365	Communication Number Qualifier	O	ID	2 / 2	‘TE’ = Telephone ‘FX’ = FAX
PER04	0366	Communication Number	O	AN	7 / 21	
PER05	0365	Communication Number Qualifier	O	ID	2 / 2	‘TE’ = Telephone ‘FX’ = FAX
PER06	0366	Communication Number	O	AN	7 / 21	

Segment: LIN – Item Identification
Position: 090
Loop Ending Position: 130
Section: Detail
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
LIN01	0350	Assigned Identification	X	AN	1 / 6	Not Used
LIN02	0235	Product/Service ID Qualifier	M	ID	2 / 2	‘BP’ = Buyer Part Number
LIN03	0234	Product/Service ID	M	AN	1 / 30	Douglas’ Part Number
LIN04	0235	Product/Service ID Qualifier	O	ID	2 / 2	‘PO’ = Purchase Order
LIN05	0234	Product/Service ID	O	AN	1 / 30	Order Number
LIN06	0235	Product/Service ID Qualifier	O	ID	2 / 2	‘EC’ = Revision Level
LIN07	0234	Product/Service ID	O	AN	1 / 30	Revision Level

Segment: UIT – Unit Detail
Position: 100
Loop Ending Position:
Section: Detail
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
UIT01	0355	Unit of Measure Code	M	ID	2 / 2	
UIT02	0212	Unit Price	X	R	1 / 14	Not Used
UIT03	0639	Basis of Unit Price Code	X	ID	2 / 2	Not Used

Segment: PID – Product/Item Description
Position: 110
Loop Ending Position:
Section: Detail
Usage: Mandatory
Max Use: 2
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
PID01	0349	Item Description Type	M	ID	1 / 1	'F' = Free Form
PID02	0750	Product/Process Characteristic Code	X	ID	2 / 3	Not Used
PID03	0559	Association Qualifier Code	X	ID	2 / 2	Not Used
PID04	0751	Product Description Code	X	ID	1 / 12	Not Used
PID05	0352	Description	M	AN	1 / 80	
PID06	0752	Surface/Layer/Position Code	X	ID	2 / 2	Not Used

Segment: REF – Reference Identification
Position: 120
Loop Ending Position:
Section: Detail
Usage: Optional
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Identification Qualifier	M	ID	2 / 2	‘M1’ = Material Storage Location
REF02	0127	Reference Identification	M	ID	1 / 30	Material Storage Location

Segment: ATH – Resource Authorization
Position: 130
Loop Ending Position:
Section: Detail
Usage: Optional
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
ATH01	0672	Resource Authorization Code	M	ID	2 / 2	'PQ' = Prior Cumulative Quantity Required.
ATH02	0373	Date	X	DT	8 / 8	Not Used
ATH03	0380	Quantity	M	R	1 / 15	Cumulative Quantity Required Prior to First Forecast Date.

Segment: FST – Forecast Schedule
Position: 140
Loop Ending Position:
Section: Detail
Usage: Mandatory
Max Use: 260
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
FST01	0380	Quantity	M	R	1 / 10	
FST02	0680	Forecast Qualifier	M	ID	1 / 1	‘C’ = Firm ‘D’ = Planning
FST02	0681	Forecast Timing Qualifier	M	ID	1 / 1	‘D’ = Discrete
FST04	0373	Required Date	M	DT	8 / 8	(CCYYMMDD)
FST05	0373	Date	X	DT	8 / 8	Not Used
FST06	0374	Date/Time Qualifier	X	ID	3 / 3	Not Used
FST07	0337	Time	X	TM	4 / 4	Not Used
FST08	0128	Reference Number Qualifier	X	ID	2 / 2	‘RE’ = Release
FST09	127	Reference Number	X	AN	1 / 30	Release Number

Segment: SHP – Shipped/Received Information
Position: 150
Loop Ending Position:
Section: Detail
Usage: Optional
Max Use: 3
Notes: This segment is used to report the following quantities:

- Last Received Quantity/Date
- Use '01' Discrete Quantity and '050' Received.
- Received YTD Cum
- Use '02' Cumulative Quantity and '051' Total Shipped Quantity.

Pos	Code	Name	Req.	Type	Length	Comments
SHP01	0673	Quantity Qualifier	M	ID	2 / 2	'01' = Discrete Quantity '02' = Cumulative Quantity
SHP02	0380	Quantity	M	R	1 / 10	Quantity.
SHP03	0374	Date/Time Qualifier	M	ID	3 / 3	'050' = Received '051' = Cumulative Shipped Quantity
SHP04	0373	Date	C	DT	8 / 8	Last Received Date (CCYYMMDD)
SHP05	0337	Time	X	TM	4 / 4	Not Used
SHP06	0373	Date	X	DT	8 / 8	Not Used
SHP07	0337	Time	X	TM	4 / 4	Not Used

Segment: CTT
Position: 160
Loop Ending Position:
Section: Summary/Trailer
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
CTT01	0354	Number of Line Items	M	N0	1 / 6	Count of Line Items
CTT02	0347	Hash Total	M	R	1 / 10	Sum of FST01
CTT03	0081	Weight	X	R	1 / 8	Not Used
CTT04	0355	Unit of Measurement Code	X	ID	2 / 2	Not Used
CTT05	0183	Volume	X	R	1 / 8	Not Used
CTT06	0355	Unit of Measurement Code	X	ID	2 / 2	Not Used

Segment: SE – Transaction Set Trailer
Position: 170
Loop Ending Position:
Section: Header
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
SE01	0096	Number of Included Segments	M	N0	1 / 10	
ST02	0329	Transaction Set Control Number	M	AN	4 / 9	Same as ST02

Sample

ISA~00~ ~00~ ~ZZ~ICN3407 ~ZZ~ICN2702 ~070618~1115~U~00401~004680152~0~T~<^
GS*PS*ICN3407*ICN2702*20070619*1000*18*X*004010^
ST*830*0001^
BFR*00*DRL000005**DL*A***20070608^
N1*SU*WEBINAR TRAINING**197200^
N3*24 FRANK LLOYD WRIGHT DRIVE^
N4*ANN ARBORT*MI*49091^
N1*ST*WESTERN DIVERSIFIED PLASTICS*92*123456789 ^
N3*123 ANT STREET^
N4*ANYTOWN*MI*11111*US ^
LIN**BP*49208*PO*P622833*EC*REV-A^
UIT*EA^
PID*F****BRACKET-CYLINDER^
REF*M1*05-08C^
ATH*PQ**15000^
FST*1000*C**20070625*****RE*117^
SHP*01*3000*050*20060807^
SHP*02*15000*051^
LIN**BP*49209*PO*P622832*EC*REV-A^
UIT*EA^
PID*F****SPRINGHOLD-TELE UP^
REF*M1*01-01A^
ATH*PQ**8850^
FST*1000*C**20070611*****RE*231^
FST*2000*C**20070618*****RE*232^
FST*268*D**20070709^
FST*480*D**20070716^
FST*900*D**20070730^
FST*480*D**20070813^
FST*60*D**20070827^
SHP*01*1000**20070517^
SHP*02*8500*051^
LIN**BP*49214*PO*P623908*EC*REV.E^
UIT*EA^
PID*F****FRONT PLATE^
REF*M1*03-01N^
ATH*PQ**1500^
FST*500*C**20070702*****RE*58^
FST*500*C**20070716*****RE*59^
SHP*01*500**20070316^
SHP*02*1500*051^
LIN**BP*49227*PO*P622831*EC*REV.C^
UIT*EA^
PID*F****FIXED DISC^
REF*M1*02-03C^
ATH*PQ**3500^
FST*1000*C**20070618*****RE*120^
SHP*01*3000**20061002^
SHP*02*3500*051^
LIN**BP*49230*PO*P623998*EC*REV.A^
UIT*EA^
PID*F****FIXED DISC-2.5^
REF*M1*02-12A^
ATH*PQ**185^
FST*44*D**20070723^
FST*96*D**20070806^
FST*12*D**20070820^
FST*12*D**20070903^
SHP*01*40**20070316^
SHP*02*185*051^
CTT*5^
SE*40*0001^
GE*1*18^
IEA*1*000000018^