Dana Holding Corporation



EDI IMPLEMENTATION GUIDELINES

830 Planning Schedule with Release Capability X12 V2003

Dana Light Axle

Dana Driveshaft Manufacturing

Modified: 04/16/2008

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Planning Schedule with Release Capability

Functional Group=PS

Purpose: This standard provides the standardized format and establishes the data contents of a planning schedule with release capability transaction set. The planning schedule with release capability transaction set provides 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:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
2	ST	Transaction Set Header	M	1			Must use
3	BFR	Beginning Segment for Planning Schedule	М	1			Must use
4	NTE	Note/Special Instruction	F	100			Must use
LOOP ID	- N1				<u>200</u>	N1/10L	
10	N1	Name	0	1		N1/10	Must use
11	N2	Additional Name Information	0	2			Used
12	N3	Address Information	0	2			Must use
13	N4	Geographic Location	0	1			Must use
14	REF	Reference Numbers	0	12			Used

Detail:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
LOOP ID	- LIN				<u>10000</u>	N2/32L	
32	LIN	Item Identification Detail	M	1		N2/32	Must use
33	UIT	Unit Detail	M	1			Must use
40	PID	Product/Item Description	0	1000			Must use
46	REF	Reference Numbers	0	12			Must use
47	PER	Administrative	0	3			Must use
		Communications Contact					
LOOP ID	- SDP				<u>104</u>	N2/60L	
60	SDP	Ship/Delivery Pattern	M	1			Must use
61	FST	Forecast Schedule	М	104			Must use
1.000.10	OUD		•		0.5	No/o 41	•
LOOP ID	<u>- SHP</u>				<u>25</u>	<u>N2/64L</u>	
64	SHP	Shipped/Received Information	0	1			Must use

Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	<u>Max Use</u>	Repeat	<u>Notes</u>	<u>Usage</u>
72	CTT	Transaction Totals	M	1		N3/72	Must use
73	SE	Transaction Set Trailer	М	1			Must use



ST Transaction Set Header

Pos: 2 Max: 1 Heading - Mandatory Loop: N/A Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>ld</u>	Element I	<u>Name</u>	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>			
ST01	143	Transacti	on Set Identifier Code	M	ID	3/3	Must use			
		Description	Description: Code uniquely identifying a Transaction Set.							
		<u>Code</u>	<u>Name</u>							
		830	X12.14 Planning Schedule							
ST02	329	Transacti	on Set Control Number	M	AN	4/9	Must use			

Description: Identifying control number assigned by the originator for a Transaction Set.

Comments:

1. EXAMPLES: ST*830*0001~

BFR Beginning Segment for Planning Schedule

Pos: 3 Max: 1 Heading - Mandatory Loop: N/A Elements: 9

User Option (Usage): Must use

Purpose: To indicate the beginning of a planning schedule transaction set and related forecast dates.

Element Summary:

<u>Ref</u> BFR01	<u>ld</u> 353	Element Na Transaction	<u>me</u> Set Purpose Code	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
		Description	: Code identifying purpose of trans	saction s	set.		
		<u>Code</u> 05	<u>Name</u> Replace				
BFR02	127	Forecast Or	der Number	С	AN	1/30	Must use
		•	: Reference number or identification			fined for a parti	cular Transaction
BFR03	328	Release Nu	mber	С	AN	1/30	Must use
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.					
BFR04	675	Forecast Ty	pe Qualifier	М	ID	2/2	Must use
		Description: Code which qualifies the type of dates used in the forecast.					
		<u>Code</u> DL	Name Delivery Based				
BFR05	676	Forecast Qu	uantity Qualifier	М	ID	1/1	Must use
		Description	: Code which qualifies the types o	f quantit	ies.		
		<u>Code</u> A C	Name Actual Discreet Quantities Cumulative Quantities				
BFR06	373	Horizon Sta	rt Date	М	DT	6/6	Must use
		Description	: Date Format "YYMMDD".				
BFR07	373	Horizon End	d Date	М	DT	6/6	Must use
		Description	: Date Format "YYMMDD".				
BFR08	373	Forecast Ge	eneration Date	M	DT	6/6	Must use
		Description	: Date Format "YYMMDD".				
BFR11	324	Purchase O	rder Number	0	AN	1/22	Must use
		Description	: Identifying number for Purchase	Order a	ssigned b	oy the orderer/p	ourchaser.

Comments:

1. EXAMPLES: BFR*05*123456*145682*DL*A*080305*081126*080302***123456~

NTE Note/Special Instruction

Pos: 4 Max: 100 Heading - Floating Loop: N/A Elements: 2

User Option (Usage): Must use

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

RefIdElement NameReqTypeMin/MaxUsageNTE01363Note Reference CodeOID3/3Must use

Description: Code identifying the functional area or purpose for which the note applies.

<u>Code</u> <u>Name</u>

GEN Entire Transaction Set

LIN Line Item

NTE02 3 Free Form Message M AN 1/60 Must use

Description: Free-form text.

Comments:

1. EXAMPLES: NTE*GEN*DESCRIBES DELIVERY SCHEDULE~

Loop Name

Pos: 10 Repeat: 200 Optional

Loop: N1 Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Usage</u>
10	N1	Name	0	1		Must use
11	N2	Additional Name Information	0	2		Used
12	N3	Address Information	0	2		Must use
13	N4	Geographic Location	0	1		Must use
14	REF	Reference Numbers	0	12		Used



N1 Name

Pos: 10 Max: 1 Heading - Optional Loop: N1 Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u> N101	<u>ld</u> 98	Element Na Entity Ident		Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use	
		Description	Description: Code identifying an organizational entity or a physical location.					
		Code BT IC SF ST	Name Party to be Billed For Other Than Intermediate Consignee Ship From Ship To	n Freigh	it(Bill To)			
N102	93	Name		С	AN	1/35	Must use	
		Description	: Free form name.					
N103	66	Identification	on Code Qualifier	С	ID	1/2	Must use	
		Description: Code designating the system/method of code structure used for Identification Code.						
		<u>Code</u> 92	<u>Name</u> Assigned by Buyer					

С

ID

2/17

Must use

Comments:

67

N104

1. EXAMPLES: N1*BT*ALBION SERVICE CENTER*92*1702~

Description: ID Code refers to ASG Plants.

- 2. EXAMPLES: N1*ST*ALBION SERVICE CENTER*92*1702~
- 3. EXAMPLES: N1*SF*ABC CORPORATION*92*10023~

Identification Code

N2 Additional Name Information

Pos: 11 Max: 2 Heading - Optional Loop: N1 Elements: 1

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

 Ref
 Id
 Element Name
 Req
 Type
 Min/Max
 Usage

 N201
 93
 Name
 M
 AN
 1/35
 Must use

Description: Free form name.

Comments:

1. EXAMPLES: N2*SERVICE CENTER~

N3 Address Information

Pos: 12 Max: 2 Heading - Optional Loop: N1 Elements: 2

User Option (Usage): Must use

Purpose: To specify the location of the named party

Element Summary:

Ref	<u>ld</u>	Element Name	Req	Type	Min/Max	<u>Usage</u>
N301	166	Address Information	М	AN	1/35	Must use
		Description: Free-form field for address inform	mation.			
N302	166	Address Information	0	AN	1/35	Used
		Description: Free-form field for address inform	mation.			

Comments:

1. EXAMPLES: N3*104 PARK DRIVE*PO BOX 85412~

N4 Geographic Location

Pos: 13 Max: 1 Heading - Optional Loop: N1 Elements: 4

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u> N401	<u>ld</u> 19	Element Name City Name	Req C	Type AN	Min/Max 2/19	<u>Usage</u> Must use
		Description: Free-form text for city name.				
N402	156	State or Province Code	С	ID	2/2	Must use
		Description: Code (Standard State/Province)	defined	by appro	priate governr	nental agencies.
N403	116	Postal Code	0	ID	5/9	Must use
		Description: Code defining international posta (zip code for United States).	al zone d	code excl	uding punctua	tion and blanks
N404	26	Country Code	0	ID	2/2	Used
		Description: Code identifying the country.				

Comments:

1. EXAMPLES:N4*ALBION*IN*65432*US~

Reference Numbers REF

Pos: 14 Max: 12 **Heading - Optional** Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying numbers

Element Summary:

Ref	<u>ld</u>	Element Name	Req	Type	Min/Max	<u>Usage</u>
REF01	128	Reference Number Qualifier	М	ID	2/2	Must use
		Description: Code qualifying the Reference N	lumber.			
REF02	127	Reference Number	С	AN	1/30	Used

Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier,

(128).

Comments:

1. EXAMPLES: REF*DK*A~

Loop Item Identification Detail

Pos: 32 Repeat: 10000 Mandatory

Loop: LIN Elements: N/A

User Option (Usage): Must use

Purpose: To specify basic item identification data.

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Usage</u>
32	LIN	Item Identification Detail	M	1		Must use
33	UIT	Unit Detail	M	1		Must use
40	PID	Product/Item Description	0	1000		Must use
46	REF	Reference Numbers	0	12		Must use
47	PER	Administrative Communications Contact	0	3		Must use
60		Loop SDP	М		104	Must use
64		Loop SHP	0		25	Must use



LIN Item Identification Detail

Pos: 32 Max: 1 Detail - Mandatory Loop: LIN Elements: 8

User Option (Usage): Must use

Purpose: To specify basic item identification data.

Element Summary:

<u>Ref</u> LIN02	<u>ld</u> 235	Element Na Product/Se	<u>ame</u> rvice ID Qualifier	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
		Description Product/Sen	n: Code identifying the type/source vice ID.	of the d	escriptive	e number used	lin
		<u>Code</u> BP	<u>Name</u> Buyer's Part Number				
LIN03	234	Product/Se	ervice ID	М	AN	1/30	Must use
		Description	n: Identifying number for a product	or servi	ce.		
LIN04	235	Product/Se	rvice ID Qualifier	0	ID	2/2	Used
		Description Product/Sen	n: Code identifying the type/source vice ID.	of the d	escriptive	e number used	lin
		<u>Code</u> VP	Name Vendor's (Seller's) Part Number	r			
LIN05	234	Product/Se	ervice ID	С	AN	1/30	Used
		Description	n: Identifying number for a product	or servi	ce.		
LIN06	235	Product/Se	rvice ID Qualifier	0	ID	2/2	Must use
		Description Product/Sen	n: Code identifying the type/source vice ID.	e of the d	escriptive	e number used	lin
		<u>Code</u> EC	Name Engineering Change Level				
LIN07	234	Product/Se	ervice ID	С	AN	1/30	Must use
		Description	n: Identifying number for a product	or servi	ce.		
LIN08	235	Product/Se	rvice ID Qualifier	0	ID	2/2	Must use
		Description Product/Sen	n: Code identifying the type/source vice ID.	of the d	escriptive	e number used	lin
		<u>Code</u> RN	<u>Name</u> Release Number				
LIN09	234	Product/Se	ervice ID	С	AN	1/30	Must use
		Description	n: Identifying number for a product	or servi	ce.		

Comments:

1. EXAMPLES: LIN**BP*521840*VP*69854*EC*D*RN*01250~

UIT Unit Detail

Pos: 33 Max: 1 Detail - Mandatory Loop: LIN Elements: 1

User Option (Usage): Must use **Purpose:** To specify item unit data

Element Summary:

RefIdElement NameReqTypeMin/MaxUsageUIT01355Unit of Measurement CodeMID2/2Must use

Description: Code identifying the basic unit measurement.

CodeNameEAEachPCPiece

Comments:

1. EXAMPLES: UIT*EA~

PID Product/Item Description

Pos: 40 Max: 1000 Detail - Optional Loop: LIN Elements: 2

User Option (Usage): Must use

Purpose: To describe a product in coded or free-form format

Element Summary:

Ref	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>
PID01	349	Item Description Type	М	ID	1/1	Must use

Description: Code indicating the format of a description.

CodeNameFFree-form

PID05 352 **Description** C AN 1/80 Must use

Description: A free-form description to clarify the related data elements and their content.

Comments:

1. EXAMPLES: PID*F****BOLT~

REF Reference Numbers

Pos: 46 Max: 12 Detail - Optional Loop: LIN Elements: 2

User Option (Usage): Must use

Purpose: To transmit identifying numbers

Element Summary:

RefIdElement NameReqTypeMin/MaxUsageREF01128Reference Number QualifierMID2/2Must use

Description: Code qualifying the Reference Number.

Code Name

CN Carrier's Reference Number (PRO/Invoice)

LI Line Item Identifier (Seller's)

PG Product Group

REF02 127 Reference Number C AN 1/30 Must use

Description: Reference number or identification number as defined for a particular Transaction

Set, or as specified by the Reference Number Qualifier.

Comments:

1. EXAMPLES: REF*CN*DTF~

PER Administrative Communications Contact

Pos: 47 Max: 3 Detail - Optional Loop: LIN Elements: 4

User Option (Usage): Must use

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u> PER01	<u>ld</u> 366	Element Na Contact Fur	<u>me</u> nction Code	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
		Description	: Code identifying the major duty o	r respor	sibility of	the person or	group named.
		<u>Code</u> BD	Name Buyer Name or Department				
PER02	93	Name		0	AN	1/35	Must use
		Description	: Free form name.				
PER03	365	Communica	tion Number Qualifier	0	ID	2/2	Must use
		Description	: Code identifying the type of comr	nunicati	on numb	er.	
		<u>Code</u> TE	<u>Name</u> Telephone				
PER04	364	Communica	tion Number	С	AN	7/21	Must use
		Description applicable.	: Complete communications numb	er includ	ding coun	try or area cod	de when

Comments:

1. EXAMPLES: PER*BD*JIM SMITH*TE*123 456-7890~

Loop Ship/Delivery Pattern

Pos: 60 Repeat: 104 Mandatory

Loop: SDP Elements: N/A

User Option (Usage): Must use

Purpose: To identify specific ship/delivery requirements

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
60	SDP	Ship/Delivery Pattern	M	1		Must use
61	FST	Forecast Schedule	М	104		Must use

SDP Ship/Delivery Pattern

Pos: 60 Max: 1 Detail - Mandatory Loop: SDP Elements: 2

User Option (Usage): Must use

Purpose: To identify specific ship/delivery requirements

Element Summary:

RefIdElement NameReqTypeMin/MaxUsageSDP01678Ship/Delivery Pattern CodeMID1/2Must use

Description: Code which specifies the days for routine shipments or deliveries.

Code Name

Z Mutually Defined

SDP02 679 Ship/Delivery Pattern Time Code M ID 1/1 Must use

Description: Code which specifies the time for routine shipments or deliveries.

Code Name

Z Mutually Defined

Comments:

1. EXAMPLES: SDP*Z*Z~

FST Forecast Schedule

Pos: 61 Max: 104 Detail - Mandatory Loop: SDP Elements: 4

User Option (Usage): Must use

Purpose: To specify the forecasted dates and quantities

Element Summary:

Ref	<u>ld</u>	Element Na	<u>me</u>	Req	<u>Type</u>	Min/Max	<u>Usage</u>
FST01	380	Quantity		М	R	1/10	Must use
		Description	: Numeric value of Quantity.				
FST02	680	Forecast Qu	ualifier	М	ID	1/1	Must use
		Description	: Code specifying the sender's con	fidence	level of t	he forecast dat	ta.
		<u>Code</u> Z	Name Mutually Defined				
FST03	681	Forecast Ti	ming Qualifier	М	ID	1/1	Must use
		Description	: Code specifying interval grouping	of the f	orecast.		
		<u>Code</u> Z	Name Mutually Defined				
FST04	373	Date		М	DT	6/6	Must use
		Description	: Horizon Date (YYMMDD).				

Comments:

1. EXAMPLES: FST*203*Z*Z*080226~

Loop Shipped/Received Information

Pos: 64 Repeat: 25

Optional

Loop: SHP Elements: N/A

User Option (Usage): Must use

Purpose: To specify shipment and/or receipt information

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
64	SHP	Shipped/Received Information	0	1		Must use

SHP Shipped/Received Information

Pos: 64 Max: 1 Detail - Optional Loop: SHP Elements: 5

User Option (Usage): Must use

Purpose: To specify shipment and/or receipt information

Element Summary:

<u>Ref</u> SHP01	<u>ld</u> 673	Element Na Quantity Qu		Req O	<u>Type</u> ID	Min/Max 2/2	<u>Usage</u> Must use
		Description	: Code specifying the type of quan	itity.			
		<u>Code</u> 02 39	Name Cumulative Quantity Shipped Quantity				
SHP02	380	Quantity		С	R	1/10	Must use
		Description	: Numeric value of Quantity. Also	see: Uni	t of Meas	surement Code	(355).
SHP03	374	Date/Time 0	Qualifier	0	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time.					
		<u>Code</u> 011 050	<u>Name</u> Shipped Received				
SHP04	373	Date		С	DT	6/6	Must use
		If SHP01="0	: Date (YYMMDD). 2", this is Last Receipt Date. 9", this is Beginning Horizon Date				
SHP06	373	Date		С	DT	6/6	Used
		•	: Date (YYMMDD). 2". SHP06 is Ending Horizon Date				

Comments:

1. EXAMPLES: SHP*02*165*050*070824**080413~

If SHP01="39", SHP06 is omitted.

2. EXAMPLES: SHP*39*500*080413~

CTT Transaction Totals

Pos: 72 Max: 1 Summary - Mandatory Loop: N/A Elements: 2

User Option (Usage): Must use

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

Element Summary:

Ref	<u>ld</u>	Element Name	Req	Type	Min/Max	<u>Usage</u>		
CTT01	354	Number of Line Items	M	N0	1/6	Must use		
		Description: Number of line items (CTT01) is segments.	the accu	ımulatior	of the number	r of LIN		
CTT02	347	Hash Total	0	R	1/10	Must use		
		Description: Hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.						

Comments:

1. EXAMPLES: CTT*2*8239~

SE Transaction Set Trailer

Pos: 73 Max: 1 Summary - Mandatory Loop: N/A Elements: 2

User Option (Usage): Must use

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).

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/6	Must use
		Description: Total number of segments include segments.	ded in a	transactio	on set including	g ST and SE
SE02	329	Transaction Set Control Number	М	AN	4/9	Must use
		Description: Identifying control number assig	ned by t	ne origina	ator for a Trans	saction Set.

Comments:

1. EXAMPLES: ST*23*0001~

SAMPLE 830

ST*830*0001~

BFR*05*123456*145682*DL*A*080305*081126*080302***123456~

NTE*GEN*DESCRIBES DELIVERY SCHEDULE~

NTE*GEN*DESCRIBES DELIVERY SCHEDULE~

NTE*GEN*DESCRIBES DELIVERY SCHEDULE~

NTE*GEN*DESCRIBES DELIVERY SCHEDULE~

N1*SF*ABC CORPORATION*92*10023~

N2*MFG PLANT~

N3*123 CASCADE DRIVE*SUITE 805~

N4*AUBURN HILLS*MI*48326*US~

N1*BT*ALBION SERVICE CENTER*92*1702~

N2*SERVICE CENTER~

N3*104 PARK DRIVE*PO BOX 85412~

N4*ALBION*IN*65432*US~

N1*ST*ALBION SERVICE CENTER*92*1702~

N2*SERVICE CENTER~

N3*104 PARK DRIVE*PO BOX 85412~

N4*ALBION*IN*65432*US~

REF*DK*A~

LIN**BP*521840*VP*69854*EC*D*RN*01250~

UIT*EA~

PID*F****BOLT~

REF*CN*DTF~

REF*LI*001~

REF*PG*971~

PER*BD*JIM SMITH*TE*123 456-7890~

SDP*Z*Z~

FST*203*Z*Z*080226~

FST*203*Z*Z*080304~

FST*203*Z*Z*080311~

FST*203*Z*Z*080318~

FST*203*Z*Z*080325~

SHP*02*165*050*070824**080413~

SHP*39*500*080413~

CTT*1*1015~

SE*36*0001~

