



Nissan North America Manufacturing EDI Implementation Guide

MFG830S Material Release (Manufacturing) ANSI X-12 Version 2001

Revised on Oct 8 , 2007



830 Material Release for Manufacturing

Functional Group ID=**PS**

Introduction:

This Standard for 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, 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. Nissan's use of the 830 most closely matches (3) above

Notes:

Key Point:

ANSI version 2001

Use with Nissan ENVELOPE guideline

<u>Nissan Attribute</u>	<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>
M	010	ST	Transaction Set Header	M	1		
M	020	BFR	Beginning Segment for Planning Schedule	M	1		
			LOOP ID - N1			1	
Must Use	090	N1	Name - Supplier Code	O	1		
			LOOP ID - N1			1	
Must Use	090	N1	Name - Nissan Analyst	O	1		
	140	PER	Administrative Communications Contact - Nissan Release Sr Analyst	O	3		
			LOOP ID - LIN			10000	
M	300	LIN	Item Identification	M	1		
M	310	UNT	Unit of Measure	M	1		
Must Use	330	J2X	Item Description	O	1		
	450	PER	Administrative Communications Contact - Nissan Parts Order Analyst	O	1		
			LOOP ID - N1			1	



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	510	N1	Name - Dock Location	O	1
			LOOP ID - SDP		104
M	580	SDP	Ship/Delivery Pattern	M	1
M	590	FST	Forecast Schedule	M	104
	610	ATH	Resource Authorization	O	2
	650	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1
	680	MAN	Marks and Numbers	O	1
M	690	CTT	Transaction Totals	M	1
M	700	SE	Transaction Set Trailer	M	1



Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Notes: **Sample Data**
 ST*830*0001

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
M	ST02	329	Transaction Set Control Number	M AN 4/9

Key Point:

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.

Must match the number in SE02. '0001' through '999999999'

FOR ENVELOPING SPECIFICATIONS PLEASE REFER TO THE NNA
 MANUFACTURING EDI IMPLEMENTATION GUIDE FOR
 ENVELOPING ANSI X-12



Segment: **BFR** Beginning Segment for Planning Schedule
Position: 020
Loop:
Level:
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

Syntax Notes: 1 At least one of BFR02 or BFR03 is required.

Notes: **Sample Data**

BFR*00**070101*DL*A*070101*070109*070101**DP
 BFR*04**070101*DL*A*070101*070109*070101**SP
 BFR*05**070101*DL*A*070101*070109*070101**CP

Data Element Summary

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BFR01	353	Transaction Set Purpose Code	M ID 2/2

Key Point:

For this transaction, Nissan has redefined ANSI codes used as follows:

00 Original
Key Point:
 Nissan has redefined '00' as Non-Sequenced Delivery

04 Change
Key Point:
 Nissan uses '04' to mean Sequenced Delivery

05 Replace
Key Point:
 Nissan has defined '05' as Modular Sequenced Delivery

	BFR03	328	Release Number	C AN 6/6
			Key Point: Nissan populates this element with release create date (YYMMXX) where XX is an alphanumeric release number suffix.	
M	BFR04	675	Schedule Type Qualifier	M ID 2/2
			Key Point: Schedule is based on the date that the part are to arrive at the delivery	



			destination		
			DL	Delivery Based	
M	BFR05	676	Schedule Quantity Qualifier		M ID 1/1
			A	Actual Discrete Quantities	
M	BFR06	373	Date - Horizon Start		M DT 6/6
			Key Point:		
			First date in release horizon (YYMMDD)		
M	BFR07	373	Date - Horizon End		M DT 6/6
			Key Point:		
			Last date in release horizon (YYMMDD)		
M	BFR08	373	Date - Release Generation		M DT 6/6
			Key Point:		
			Date release was generated (YYMMDD)		
	BFR10	367	Contract Number - Nissan Facility ID		O AN 2/2
			Key Point:		
			'CP' = Canton Plant		
			'DP' = Decherd Plant		
			'SP' = Smyrna Plant		

