



NISSAN NORTH AMERICA
Manufacturing Smyrna & Decherd, Tennessee and
Canton Mississippi Plants

EDI SPECIFICATIONS

ELECTRONIC DATA INTERCHANGE CONVENTIONS

MATERIAL RELEASE

TRANSACTION SET 830

VERSION LEVEL 2001

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Canton Mississippi Plants

EDI SPECIFICATIONS

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Overview

The concept and theory of electronic data interchange has evolved from the transmission of data in fixed-length proprietary record formats to the transmission of data in variable length standard formats. Without these standard formats, industry utilization of computer to computer communication technology would be encumbered by the use of different formats and data contents. The Automotive Industry Action Group (AIAG) has adopted a subset of the telecommunication standards developed by the Accredited Standards Committee X12 (ASC) of the American National Standards Institute (ANSI) and publishes conventions for use of these standards by the automotive industry. As a member of the automotive community, Nissan Motor Manufacturing Corporation, U.S.A. (NMMC) will use and support the AIAG conventions.

This document is not intended to define every segment and data element available in each transaction set. It should be used in conjunction with the AIAG Electronic Data Interchange Conventions and Industry Guidelines manual. For additional information concerning AIAG programs, memberships, educational programs, publications, and other materials, contact the AIAG at:

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Terms and Definitions

Data Element - A data element is the smallest named item in the standard. It can represent a qualifier, a value, or text - such as a description. A data element has two primary attributes: length and type.

Data Element Position - Data elements have specific positions within a data segment. Data elements that appear at the end of a data segment, and are not needed, may be omitted. The omission of data elements other than at the end of a data segment is signified by successive data element separators.

Data Element Separator - Data elements are separated by the separator character defined in the interchange control header. The data segment identifier and the first data element are also delimited by the same separator. Once the data element separator is defined in the interchange control header segment, it shall not appear in any subsequent data element. By convention, the asterisk character (*) is preferred as the data element separator. NMMC will use "*".

Data Segment - A data segment is the intermediate unit of information in a transaction set. Data segments consist of logically related data elements in a defined sequence. The length of the segment depends on the lengths of the data elements from which it is constructed. A data segment may vary in length because individual data elements may vary within the minimum/maximum length range, and because optional and conditional data elements may be omitted.

Data Segment Identifier - Each data segment has a unique alpha/numeric identifier with a length of two or three characters. The identifier serves as a name for the data segment and occupies the first character positions of the data segment. The data segment identifier is not a data element.

Data Segment Terminator - Each data segment ends with a data segment terminator. By convention, the EBCDIC new line character of ASCII carriage return or line feed characters are preferred as the data segment terminator. NMMC will be using the EBCDIC new line character (HEX '15').

Functional Group - A functional group is a collection of related transaction sets. A functional group may consist of a single type of transaction set or may be a combination of related transaction sets. The function group is started with a functional group header and terminated with a functional group trailer. (GS & GE segments)

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Terms and Definitions

Functional Group Header & Trailer - Use of the functional group header and trailer provides the receiver with the identification of the data application, the identification of the sender and intended receiver at each specific location, and absolute checking to determine the beginning and end of each functional group contained in a transmission.

Interchange Control Header - This data segment is the first segment in the interchange and it defines the data element separators, data element terminators, sender, receiver and control information. All the data elements in this segment are required and are fixed in length. (ISA segment)

Interchange Control Trailer - This data segment is the last segment in the interchange and it contains control totals for the interchange. All the data elements in this segment are required and are fixed in length. (IEA segment)

Interchange Envelope - The interchange envelope consists of the interchange header and trailer segments which frame one or more functional groups.

Transaction Set - A transaction set is the minimum collection of data which must be interchanged in order to convey meaning between parties engaged in Electronic Data Interchange. Each transaction set starts with a transaction set header, and is followed immediately by a beginning segment unique to that transaction set type. The transaction set is terminated by a transaction set trailer.

Transaction Set Header - This data segment is the first segment in every transaction set. It contains the transaction set identifier and the transaction set control number. (ST segment)

Transaction Set Trailer - This data segment is the last segment in every transaction set. It contains the count of the number of data segments contained in the transaction set and a control number which matches the control number in the preceding transaction set header. (SE segment)

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Decimal Number Control Structure

A decimal data element contains an explicit decimal point and is used for numeric values that have a varying number of decimal positions. The representation for this data element type is **R**. The decimal point always appears in the character stream if the decimal point is at any place other than the right end. If the value is an integer (decimal point at the right end) the decimal point should be omitted. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. Trailing zeros following the decimal point should be suppressed unless necessary to indicate precision. The use of triad separators (for example, the commas in "1,000,000") is expressly prohibited. The length of a decimal type data element does not include the optional leading sign or decimal point.

<decimal_number> : : = [+|-] <unsigned_decimal_number>
<unsigned_decimal_number> : : = <unsigned_integer> | <unsigned_integer> |
 <unsigned_integer> . { <digit> }

EXAMPLE A:

- * Value is -123.45
- * Decimal type symbol is R as defined by the X-12 standards.
- * The data stream value is -123.45
- * The length is 5

EXAMPLE B:

- * Value is 12345
- * Decimal type symbol is R as defined by the X-12 standards.
- * The data stream value is 12345
- * The length is 5

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Transmitting Multiple Electronic Transaction Sets

In practice, several electronic transaction sets (e.g., invoices, etc.) may be sent together. In order to separate these documents, each is preceded by a transaction set header code ST and followed by a transaction set trailer code SE.

Two invoices would appear as:

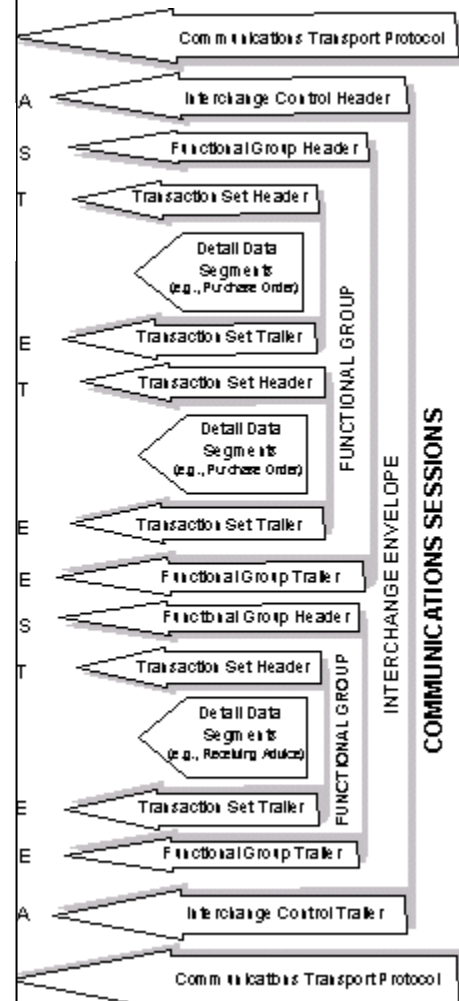
ST (Header)
--Segments of Invoice--
SE (Trailer)
ST (Header)
--Segments of Invoice--
SE (Trailer)

Combining different types of documents also provides for sending more than one type of transaction in the same package.

In this instance, each group of the same type is placed between separators (Functional Group Header and Trailer) to differentiate the type (e.g. invoices from purchase order, etc.)

A complete package then would be represented by:

ISA Interchange Header
GS Functional Group Header
ST Transactional Set Header
--Segments As Required--
SE Transaction Set Trailer
--Other Transaction Sets--
GE Functional Group Trailer
--Other Functional Groups--
ISA Interchange Trailer



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Material Release Header Segments

ISA Segment (Interchange Control Header)

Purpose: To start and identify an interchange of one or more functional groups.

Element Number	Field Description	Max Field Size X12/NMMC	NMMC Usage	NMMC Mandatory	Field Content
	Segment Id			Y	'ISA'
ISA01	Authorization Info Qualifier	02/02	x(2)	Y	'00'
ISA02	Authorization Information	10/10	x(10)	Y	' ' (10 Spaces)
ISA03	Security Info Qualifier	02/02	x(2)	Y	'00'
ISA04	Security Information	10/10	x(10)	Y	' ' (10 Spaces)
ISA05	Interchange Id Qualifier	02/02	x(2)	Y	'01'
ISA06	Interchange Sender Id	15/15	x(15)	Y	Sender's DUNS Number
ISA07	Interchange Id Qualifier	02/02	x(2)	Y	'01'
ISA08	Interchange Receiver Id	15/15	x(15)	Y	Receiver's DUNS Number
ISA09	Interchange Submit Date	06/06	x(6)	Y	Current Date (YYMMDD)
ISA10	Interchange Submit Time	04/04	x(4)	Y	Current Time (HHMM)
ISA11	Interchange Standards Id	01/01	x(1)	Y	'U'
ISA12	Interchange Version Id	05/05	x(5)	Y	'00200'
ISA13	Interchange Control Nbr	09/09	9(9)	Y	000000001- 999999999
ISA14	Acknowledge Requested	01/01	x(1)	Y	'0' (No)
ISA15	Test Indicator	01/01	x(1)	Y	'P' (Prod) 'T' (Test)
ISA16	Sub Element Separator	01/01	x(1)	Y	Hex '7C' (@)

Example:

```
ISA*00*      *00*      *01*054481205*01*123456789*960312*1108*U*00200*000000001*0*T*@
ISA*00*      *00*      *01*054481205*01*123456789*960312*1108*U*00200*000000001*0*P*@
```


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Material Release Header Segments

GS Segment (Functional Group Header)

Purpose: To start and identify a group of related transaction sets and provide control and application identification information.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'GS'
GS01	Functional Id	02/02	x(2)	Y	'PO'
GS02	Application Sender's Cd	15/15	x(15)	Y	Senders DUNS Number
GS03	Application Receiver's Cd	15/15	x(15)	Y	Receivers DUNS Number
GS04	Data Interchange Date	06/06	x(6)	Y	Current Date (YYMMDD)
GS05	Data Interchange Time	04/04	x(4)	Y	Current Time (HHMM)
GS06	Date Interchange Ctrl Nbr	09/09	9(9)	Y	1 - 999999999
GS07	Responsible Agency Code	01/01	x(1)	Y	'X'
GS08	Version/Release Number	06/06	x(6)	Y	'002001'

Example:

GS*PO*054481205*123456789*000312*1108*1*X*002001

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Material Release Header Segments

ST Segment (Transaction Set Header)

Purpose: The first segment of each transaction set, containing the transaction set identifier and control number.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'ST'
ST01	Transaction Set Id	03/03	x(3)	Y	'830'
ST02	Transaction Set Ctrl Nbr	09/09	x(9)	Y	0001 - 999999999

Example:

ST*830*0001

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Material Release Header Segments

BFR Segment (Beginning Forecast/Material Release)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	BFR'
BFR01	Transaction Set Purpose	02/02	x(2)	Y	'00' Non-Sequenced Delivery '04' Sequenced Delivery '05' Modular Sequenced Del.
BFR03	Release Number	06/06	x(6)	Y	Nissan's Release Number
BFR04	Forecast Type Qualifier	02/02	x(1)	Y	'DL' Delivery Based
BFR05	Forecast Quantity Qualifier	01/01	x(1)	Y	'A' Actual Discreet Quantities
BFR06	Horizon Start Date	06/06	x(6)	Y	First date in release horizon
BFR07	Horizon End Date	06/06	x(6)	Y	Last date in release horizon
BFR08	Release Generation Date	06/06	x(6)	Y	Date release was generated
BFR10	Facility ID	02/02	x(2)	Y	'CP' = Canton Plant 'DP' = Decherd Plant 'SP' = Smyrna Plant

Example:

BFR*00**960101*DL*A*000116*000624*000116**CP
BFR*00**960101*DL*A*000116*000624*000116**DP
BFR*00**960101*DL*A*000116*000624*000116**SP
AND/OR
BFR*04**960101*DL*A*000116*000624*000116**CP
BFR*04**960101*DL*A*000116*000624*000116**SP

BFR*05**960101*DL*A*000116*000624*000116**CP
BFR*05**960101*DL*A*000116*000624*000116**SP

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Material Release Header Segments

N1 Segment (Name)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'N1'
N101	Organization Identifier	02/02	x(2)	Y	'SU' Supplier Contact
					'MI' Material Release issuer
N102	Name	35/35	x(35)	C	'Nissan' OEM
N103	Identifier Code Qualifier	02/02	x(2)	C	'92' Buyer Assigned Id
N104	Identifier Code	17/10	x(10)	C	Plant Location Supplier Number

Note: At least one of N102 or N103 must be used. If N103 is used then N104 must be present.

Example:

N1*MI*Nissan

N1*SU**92*1234567

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Material Release Header Segments

PER Segment (Administrative Communications Contact)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'PER'
PER01	Contact Function Code	04/01	x(1)	Y	'OD' Order Department
PER02	Name	35/13	x(13)	Y	Supplier Administrative Contact
PER03	Communication Nbr. Qual.	02/02	x(2)	Y	'TE' Telephone
PER04	Communication Number	21/12	x(12)	Y	Contact's Phone Number

Note: If PER03 is used then PER04 must be present.

Example:

PER*OD*Asst. Mgr.*TE*615-459-1234

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Material Release Detail Segments

LIN Segment (Item Identification Detail)

Purpose: To specify basic item identification data.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'LIN'
LIN02	Product Id Qualifier	02/02	x(2)	Y	'BP' Buyer Part Nbr Id
LIN03	Product Id	30/19	x(19)	Y	Buyers Part Number
LIN04	Product Id Qualifier	02/02	x(2)	Y	'PO' Purchase Order Nbr Id
LIN05	Product Id	30/10	x(10)	Y	Purchase Order Number

Note: If LIN04 is used then LIN05 must be present.

Example:

LIN**BP*30412 Q1052*PO*PR00009076

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Material Release Detail Segments

UNT Segment (Unit Detail)

Purpose: To specify item unit data.

<u>Element</u> <u>Number</u>	<u>Field Description</u>	<u>Max Field Size</u> <u>X12/NMMC</u>	<u>NMMC</u> <u>Usage</u>	<u>NMMC</u> <u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'UNT'
UNT01	Unit of Measure	02/02	x(2)	Y	Any valid UOM code

Example:

UNT*EA

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Material Release Detail Segments

J2X Segment (Item Description)

Purpose: To describe an item in either an industry standard or free-form format.

Element		Max Field Size	NMMC	NMMC	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'J2X'
J2X02	Item DescriptionType	01/01	x(1)	Y	'F' Free Form
J2X03	Item Description	80/25	x(25)	Y	Part Description

Example:

J2X**F*LH Widget

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Material Release Detail Segments

PER Segment (Administrative Communications Contact)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'PER'
PER01	Contact Function Code	02/02	x(2)	Y	'EX' Expeditor Code
PER02	Name	35/13	x(13)	Y	Expeditor's Name
PER03	Communication Nbr Qual.	02/02	x(2)	Y	'TE' Telephone
PER04	Communication Number	21/12	x(12)	Y	Nissan Expeditor's Phone Nbr

Note: If PER03 is used then PER04 must be present.

Example:

PER*EX*John Brown*TE*615-459-5678

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Material Release Detail Segments

N1 Segment (Name)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'N1'
N101	Organization Identifier	02/02	x(2)	Y	'ST' Ship To
N102	Name	35/07	x(7)	Y	Dock Location

Example:

N1*ST*Dock 2

N1*ST*Dock 12

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Material Release Detail Segments

SDP Segment (Ship/Delivery Pattern)

Purpose: To identify specific ship/delivery requirements.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'SDP'
SDP01	Ship/Delivery Pattern	01/01	x(1)	Y	'B' Monday - Saturday 'Y' No Pattern
SDP02	Ship/Delivery Pattern Time	01/01	x(1)	Y	'F' As Directed 'Y' No Pattern

Example:

SDP*B*F

SDP*Y*Y

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Material Release Detail Segments

FST Segment (Forecast Schedule)

Purpose: To specify the forecasted dates and quantities.

<u>Element</u>	<u>Field Description</u>	<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	<u>Field Content</u>
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	
	Segment Id			Y	'FST'
FST01	Quantity	10/10	x(10)	Y	Quantity
FST02	Forecast Qualifier	01/01	x(1)	Y	'C' New Firm Order 'Z' Prior Firm Order 'D' Planning
FST03	Forecast Timing Qualifier	01/01	x(1)	Y	'D' Discrete 'F' Flexible Interval
FST04	Date	06/06	x(6)	Y	Discrete Delivery Date or First Date of a Flexible Interval
FST05	Date	06/06	x(6)	C	Last Date of a Flexible Interval
FST06	Date/Time Qualifier	03/03	x(3)	C	'002' Delivery Requested Qual
FST07	Time	04/04	x(4)	C	Delivery Request Time
FST08	Reference Nbr Qualifier	02/02	x(2)	C	'DO' Delivery Order Number
FST09	Reference Number	30/08	x(8)	C	Receipt Authorization Number 'S' = Smyrna Plant 'D' = Decherd Plant 'C' = Canton Plant

Note: If FST06 is used then FST07 must be present.

Note: If FST08 is used then FST09 must be present.

Example:

FST*1176*C*D*000202**002*0700*DO*SA15812

FST*1176*Z*D*000121**002*0700*DO*DA01175

FST*1176*Z*D*000121**002*0700*DO*CA01175

FST*1176*D*D*000212

FST*1176*D*F*000211*000228

See next page for RAN definitions

New Ran Format Definitions

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The first position of the RAN will no longer be an “R” or “A”. This position will now designate the facility that the RAN is to be shipped to, i.e. C = Canton, D = Decherd and S = Smyrna.

The second position of the RAN will be a sequence letter, which will be incremented when the sequence number rolls over (omitting I and O).

Positions 3 – 7 will be the sequence number – when the sequence number rolls to 0 the sequence letter will be incremented and the sequence number set to 1.

Position 8 will be the RAN type with the values listed below:

A = Additional or Add RAN

B = Bulk material

C = Coil Steel

P = Steel master RAN

R = Repair

S = Sample

T = Trial

V = Service

Z = Balance out / Break pack

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Material Release Detail Segments

ATH Segment (Resource Authorization)

Purpose: To specify resource authorizations (e.g., finished, labor, material, etc.) in the planning schedule.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'ATH'
ATH01	Resource Auth. Qualifier	02/02	x(2)	Y	'FI' Fab Material 'MT' Raw Material
ATH02	Date	06/06	x(6)	Y	Authorization Thru Date
ATH03	Quantity	10/10	x(10)	Y	Required Quantity
ATH05	Date	06/06	x(6)	Y	Authorization Start Date

Note: At least one of ATH02 or ATH03 must be used. If ATH03 is used then ATH05 must be present.

Example:

ATH*FI*000217*3528**000211

ATH*MT*000310*10584**000218

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Material Release Detail Segments

TD5 Segment (Carrier Details (Routing))

Purpose: To specify the carrier and sequence of routing.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'TD5'
TD501	Routing Sequence Code	01/01	x(1)	Y	'B' Orig/Delivery Carrier Code
TD504	Mode	02/02	x(2)	Y	Transportation Mode

Example:

TD5*B***M

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EDI SPECIFICATIONS

Material Release Detail Segments

MAN Segment (Marks and Numbers)

Purpose: To indicate identifying marks and numbers for shipping containers.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'MAN'
MAN01	Marks and Nbrs Qualifier	02/02	x(2)	Y	'PB' Premarked by Buyer
MAN02	Marks and Numbers	45/20	x(20)	Y	Special Markings

Example:

MAN*PB*P48 W55 F308 PIT

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EDI SPECIFICATIONS

Transmission Trailer Segments

CTT Segment (Transaction Totals)

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

<u>Element Number</u>	<u>Field Description</u>	<u>Max Field Size X12/NMMC</u>	<u>NMMC Usage</u>	<u>NMMC Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'CTT'
CTT01	Number of Line Items	04/04	x(4)	Y	Number of Line Items (LIN Segments)

Example:

CTT*1

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EDI SPECIFICATIONS

Transmission Trailer Segments

SE Segment (Transaction Set Trailer)

Purpose: The last segment of each transaction set, containing the number of included segments and transaction set control numbers.

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'SE'
SE01	Nbr of Included Segments	06/06	9(6)	Y	1 - 999999
SE02	Transaction Set Control Nbr	09/09	9(9)	Y	0001 - 999999999

Example:

SE*42*0001

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EDI SPECIFICATIONS

Transmission Trailer Segments

GE Segment (Functional Group Trailer)

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

<u>Element</u>		<u>Max Field Size</u>	<u>NMMC</u>	<u>NMMC</u>	
<u>Number</u>	<u>Field Description</u>	<u>X12/NMMC</u>	<u>Usage</u>	<u>Mandatory</u>	<u>Field Content</u>
	Segment Id			Y	'GE'
GE01	Nbr of Included Sets	06/06	9(6)	Y	1 - 999999
GE02	Control Group Nbr	09/09	9(9)	Y	1 - 999999999

Example:

GE*1*1

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EDI SPECIFICATIONS

Transmission Trailer Segments

IEA Segment (Interchange Control Trailer)

Purpose: To define the end of an interchange of one or more functional groups.

<u>Element Number</u>	<u>Field Description</u>	<u>Max Field Size X12/NMMC</u>	<u>NMMC Usage</u>	<u>NMMC Mandatory</u>	<u>Field Content</u>
IEA01	Segment Id			Y	'IEA'
IEA02	Nbr of Included Groups	05/05	9(5)	Y	Total Functional Groups: 1 - 99999
IEA03	Interchange Control Nbr	09/09	9(9)	Y	000000001 - 999999999

Example:

IEA*1*000000003

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EDI SPECIFICATIONS

**Appendix A. Material Release Transmission Daily
Order**

ST*830*0001
BFR*00**000101*DL*A*960116*000624*000116**SP
N1*MI*NISSAN
N1*SU**92*1234567
PER*OD*ASST MGR.*TE*615-459-1234
LIN*BP*3041 2Q1052*PO*PR00009076
UNT*EA
J2X**F*LH WIDGET
PER*EX*JOHN BROWN*TE*615-459-5678
N1*ST*DOCK 2
SDP*B*F
SDP*Y*Y
FST*1176*C*D*000202**002*0700*DO*SA15812
FST*1176*Z*D*000121**002*0700*DO*SA01175
FST*1176*D*D*000212
FST*1176*D*F*000211*000228
ATH*FI*000217*3528**000211
ATH*MT*000310*10584**000218
TD5*B***M
MAN*PB*P48 W55 F308 PIT
CTT*1
SE*42*0001
GE*1*1
IEA*1*000000003

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EDI SPECIFICATIONS

DESCRIPTION OF RAN FORMAT

The first position of the RAN will no longer be an “R” or “A”. This position will now designate the facility that the RAN is to be shipped to, i.e. C = Canton, D = Decherd and S = Smyrna.

The second position of the RAN will be a sequence letter, which will be incremented when the sequence number rolls over (omitting I and O).

Positions 3 – 7 will be the sequence number – when the sequence number rolls to 0 the sequence letter will be incremented and the sequence number set to 1.

Position 8 will be the RAN type with the values listed below:

- A = Additional or Add RAN
- B = Bulk material
- C = Coil Steel
- P = Steel master RAN
- R = Repair
- S = Sample
- T = Trial
- V = Service
- Z = Balance out / Break pack

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EDI SPECIFICATIONS

**Appendix A. Material Release Transmission Weekly
Order**

ST*830*0001

BFR*00**000101*DL*A*000107*960615*000107**SP

N1*MI*NISSAN

N1*SU**92*1234567

PER*OD*ASST MGR.*TE*615-459-1234

LIN*BP*30412 Q1052*PO*PR00009076

UNT*EA

J2X**F*LH WIDGET

PER*EX*JOHN BROWN*TE*615-459-5678

N1*ST*DOCK 2

SDP*B*F

FST*3000*D*D*000116

FST*3000*D*D*000117

FST*3000*D*D*000118

FST*3000*D*D*000121

FST*3000*D*D*000122

DAILY PLANNING INFORMATION

FST*3000*D*D*000123

FST*3000*D*D*000124

FST*3000*D*D*000128

FST*3000*D*D*000129

SDP*Y*Y

FST*10584*D*F*000116*000131

FST*12936*D*F*000201*000228

MONTHLY PLANNING INFORMATION

FST*14112*D*F*000301*000430

FST*12936*D*F*000401*000531

FST*13599*D*F*0060501*000531

FST*10120*D*F*000601*000615

ATH*FI*000217*3528**000116

ATH*MT*000220*10584**000128

TD5*B***M

MAN*PB*P48 W55 F308 PIT

CTT*1

SE*42*0001

GE*1*1

IEA*1*000000003

NISSAN NORTH AMERICA
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EDI SPECIFICATIONS

**Appendix B. Material Release Transmission Daily Order
with Description**

ST*830*0001

830 = Transaction Set (Material Release)
0001 = Transaction Set Control Number

BFR*00**000101*DL*A*000116*000624*000116**SP

00 = No Meaning Mandatory Element
960101 = Nissan's Release Number
DL = Delivery Based Qualifier
A = Actual Discreet Quantities
960116 = First Date in Release Horizon
960624 = Last Date in Release Horizon
960116 = Date Release was Generated

N1*SU**92*1234567

SU = Supplier Contact Identifier
92 = Buyer Assigned Id
1234567 = Plant Location Supplier Number

N1*MI*NISSAN

MI = Material Release Issuer
Nissan = OEM

PER*OD*ASST MGR.*TE*615-459-1234

OD = Order Department Code
Asst Mgr. = Supplier Administrative Contact
TE = Telephone Qualifier
615-459-1234 = Contact's Phone Number

LIN*BP*30412 Q1052*PO*PR00009076

BP = Buyer Part Number Id
3042 Q1052 = Buyers Part Number
PO = Purchase Order Number Qualifier
PR00009076 = Purchase Order Number

UNT*EA

EA = Any Valid UOM Code

J2X**F*LH WIDGET

F = Free Form
LH Widget = Part Description

PER*EX*JOHN BROWN*TE*615-459-5678

EX = Expediter Code
John Brown = Expediter's Name
TE = Telephone Qualifier
615-459-5678 = Nissan Expediter's Phone Number

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EDI SPECIFICATIONS

**Appendix B. Material Release Transmission Daily Order
with Description Continued**

N1*ST*DOCK 2

ST = Ship To Identifier
Dock 2 = Smyrna Plant

SDP*B*F

B = Monday - Saturday Id
F = As Directed

SDP*Y*Y

Y = No Pattern
Y = No Pattern

FST*1176*C*D*000202**002*0700*DO*S15812

1176 = Quantity
C = New Firm Order
D = Discrete
960202 = Discrete Delivery Date or First Date of a Flexible Interval
002 = Delivery Requested Qualifier
0700 = Delivery Request Time
DO = Delivery Order Number
S015812 = Receipt Authorization Number

FST*1176*Z*D*000121**002*0700*DO*SA01175

1176 = Quantity
Z = Prior Firm Order
D = Discrete
960121 = Discrete Delivery Date or First Date of a Flexible Interval
002 = Delivery Requested Qualifier
0700 = Delivery Request Time
DO = Delivery Order Number
SA01175 = Receipt Authorization Number

FST*1176*D*D*000212

1176 = Quantity
D = Planning
D = Discrete
960121 = Discrete Delivery Date or First Date of a Flexible Interval

FST*1176*D*F*960211*000228

1176 = Quantity
D = Planning
F = Flexible Interval
960121 = Discrete Delivery Date or First Date of a Flexible Interval
960228 = Last Date of a Flexible Interval

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EDI SPECIFICATIONS

**Appendix B. Material Release Transmission Daily Order
with Description Continued**

ATH*FI*000217*3528**000211

FI = Fab Material
000217 = Authorization Thru Date
3528 = Required Quantity
000211 = Authorization Start Date

ATH*MT*000310*10584**000218

MTFI = Fab Material
000310 = Authorization Thru Date
10584 = Required Quantity
000218 = Authorization Start Date

TD5*B***M

B = Origin / Delivery Carrier Code
M = Transportation Mode

MAN*PB*P48 W55 F308 PIT

PB = Premarked by Buyer
P48 W55 F308 PIT = Special Markings

CTT*1

1 = Number of Line Items

SE*42*0001

42 = Number of Included Segments
0001 = Transaction Set Control Number

GE*1*1

1 = Number of Included Sets
1 = Control Group Number

IEA*1*000000003

1 = Total Functional Groups
000000003 = Interchange Control Number

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EDI SPECIFICATIONS

Mapping Matrix for 830 Documents

Shaded segments and elements are not used

ANSI Segment	830 2001 Version Smyrna/Decherd/Canton	830 3010 Version Nissan Logistics	830S CPICS 3010 Version	830R CPICS 3010 Version
ISA:				
ISA01	00	00	00	00
ISA02	10 spaces	10 spaces	10 spaces	10 spaces
ISA03	00	00	00	00
ISA04	10 spaces	10 spaces	10 spaces	10 spaces
ISA05	01	16	16	01
ISA06	054481205	054481205NPCC	054481205CPIC	Sender's Duns #
ISA07	01	16	01	16
ISA08	Receiver's Duns #	Recv. Duns + NPCC	Receiver's Duns #	054481205CPIC
ISA09	Current Date YYMMDD	Current Date YYMMDD	Current Date YYMMDD	Current Date YYMMDD
ISA10	Current Time HHMM	Current Time HHMM	Current Time HHMM	Current Time HHMM
ISA11	U	U	U	U
ISA12	00200	00300	00300	00300
ISA13	Interchange Control #	Interchange Control #	Interchange Control #	Interchange Control #
ISA14	0	0	0	0
ISA15	P	P	P	P
ISA16	Hex 7C (@)	Hex 7C (@)	Hex 7C (@)	Hex 7C (@)
GS:				
GS01	PO	PS	PS	PS
GS02	054481205	054481205	054481205	Sender's Duns #
GS03	Receiver's Duns #	Receiver's Duns #	Receiver's Duns #	054481205
GS04	Current Date YYMMDD	Current Date YYMMDD	Current Date YYMMDD	Current Date YYMMDD
GS05	Current Time HHMM	Current Time HHMM	Current Time HHMM	Current Time HHMM
GS06	Interchange Control Nbr	Interchange Control Nbr	Interchange Control Nbr	Interchange Control Nbr
GS07	X	X	X	X
GS08	002001	003010	003010	003010
ST:				
ST01	830	830		830
ST02	Sequence #	Sequence #	Sequence #	Sequence #
BFR:				
BFR01	00-Non-Seq, Delivery 04-Sequenced Delivery	00	00	00
BFR02			Release Period	NNA Release Period
BFR03	Release #	Release #	Document #	Document #
BFR04	DL	DL	DL	DL
BFR05	A	A	A	A
BFR06	Horizon Start Date	Horizon Start Date	Date Required	Date Required

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EDI SPECIFICATIONS

ANSI Segment	830 2001 Version Smyrna/Decherd/Canton	830 3010 Version Nissan Logistics	830S CPICS 3010 Version	830R CPICS 3010 Version
BFR07	Horizon End Date	Horizon End Date	Date Required	Date Required
BFR08	Generation Date	Generation Date	Generation Date	Generation Date
BFR09				
BRF10	CP/DP/SP			
BFR11				
BFR12				
N1:				
N101	SU/ MI/ ST	SU/ MI/ ST	MI/ OB/ SU/ ST	MI
N102	Name	Name	Name	Name
N103	92	92	92	92
N104	ID Code	ID Code	ID Code	ID Code
PER:				
PER01	OD/EX	OD/EX	EX	OD
PER02	Name	Name	Name	Name
PER03	TE	TE	TE	TE
PER04	Phone Number	Phone Number	Phone Number	Phone Number
PER05				
LIN:				
LIN01				
LIN02	BP	BP	BP	VP
LIN03	Buyers Part Number	Buyers Part Number	Buyers Part Number	Buyers Part Number
LIN04	PO	PO	PO	PO
LIN05	Purchase Order Nbr	Purchase Order Number	Purchase Order Number	Purchase Order Number
LIN06 -31				
UNT:				
UNT01	Unit of Measure Code			
UNT02				
UNT03				
UIT:				
UIT01		Unit of Measure Code	Unit of Measure Code	Unit of Measure Code
UIT02		Unit Price		
J2X:				
J2X01	F			
J2X02				
J2X03	Part Description			
PID:				
PID01		F	F	F
PID02			9B	9B
PID03				
PID04				
PID05		Part Description	Part Description	Part Description
PID06				
SDP:				
SDP01	B/Y	B	Y	Y
SDP02	F/Y		Y	Y
SDP03 - 08				

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EDI SPECIFICATIONS

ANSI Segment	830 2001 Version Smyrna/Decherd/Canton	830 3010 Version Nissan Logistics	830S CPICS 3010 Version	830R CPICS 3010 Version
FST:				
FST01	Quantity	Quantity	Quantity	Quantity
FST02	C/D/Z	C/D/Z	C/D	C/D
FST03	D/F	D	D	D
FST04	Date YYMMDD	Date YYMMDD	Date YYMMDD	Date YYMMDD
FST05				
FST06	002		002	002
FST07	Time		Delivery Time	Delivery Time
FST08	DO	DO	DO	DO
FST09	Reference Number	Reference Number	Reference Number	Reference Number
ATH:				
ATH01	FI/MT			
ATH02	Date			
ATH03	Quantity			
ATH04	NA			
ATH05	Date			
TD5:				
TD501	B	B		
TD502				
TD503				
TD504	Transportation Mode	M/VE/A		
TD505 -11				
MAN:				
MAN01	NA after 1/1/2003	PB	PB	PB
MAN02	NA after 1/1/2003	Special Markings	Special Markings	Special Markings
CTT:				
CTT01	# of LIN Segments	# of LIN Segments	# of LIN Segments	# of LIN Segments
SE:				
SE01	# of Segments	# of Segments	# of Segments	# of Segments
SE02	Trans Set Control #	Trans Set Control #	Trans Set Control #	Trans Set Control #
GE:				
GE01	# of Included Segments	# of Included Segments	# of Included Segments	# of Included Segments
GE02	Control #	Control #	Control #	Control #
IEA:				
IEA01	# of Groups	# of Groups	# of Groups	# of Groups
IEA02	Control #	Control #	Control #	Control #