TEXAS INSTRUMENTS

IMPLEMENTATION GUIDELINE

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DELIVERY SCHEDULE

ooOoo

VERSION 1

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BASED ON

EDIFICE D.97A DELFOR MESSAGE, ISSUE EDDF04

TABLE OF CONTENTS

COMPARISON TO PREVIOUS ISSUE

This release includes the changes that have been made to the issue 3 of the Delivery Schedule document endorsed by the EDIFICE Plenary on 9 April 1997. The changes are as follows:

- Recast from the 92.1 version of the UN/EDIFACT directory to the D.97A version,

- Addition of the following code values:
  SG1, RFF segment, DE 1153, code ’GC’ Government contract number
  SG12, PIA segment, DE 7143, code 'BP' Buyer’s part number
  SG13, RFF segment, DE 1153, code 'GC' Government contract number
  SG15, QTY segment, DE 6063, codes '48' Received quantity, '66' Committed quantity
  '70' Cumulative quantity received
  SG16, RFF segment, DE 1153, code 'PK' Packing list number

- Addition of the following segment groups/segments:
  SG1, DTM segment
  SG6
  SG12 LIN segment
  SG12, IMD segment
  SG12, GIN segment
  SG16, DTM segment
  SG20

- Deletion of the following code values:
  SG2, NAD segment, DE 3035, code 'DP' Delivery party
  SG3, COM segment, CO C076, DE 3155, codes 'EM' Email, 'FX' Telefax
  SG15, DTM segment, CO C507, DE 2005, codes '158' Horizon start date, '366' Inventory report date
  SG19, RFF segment, DE 1153, code 'BO' Blanket order number, 'CT' Contract number

- Usage changed for the following segment groups/segments/data elements:
  BGM segment, CO C002, DE 3055, X to D
  CO C106, DE 1255, X to A
  DTM segment, R1 to M1
  SG1, RFF segment, D to A
  SG1, RFF segment, CO C506, DE 1156, X to O
  SG2, R..3 to R..2
  SG4, O1 to O..2
  SG4, COM segment, R..3 to O1
  SG4, CTA segment, CO C056, DE 3412, A to D
  SG12, LIN segment, CO C212, R to A
  SG13 RFF segment, CO C056, DE 1154, D to R
  SG13 RFF segment, CO C056, DE 1156, D to O

- Where UN/ECE Recommendations are referenced the most commonly used codes have been identified,

- Update of the REFERENCES and EXPLANATORY NOTES section to comply with the Documentation Rules for EDIFICE Implementation Guidelines issue 3,

- Update of examples,

- Documentation adjustments resulting from the use of GEFEG's EdiFix Message Implementation Guidelines documentation tool,

- Correction of typographical errors.

INTRODUCTION

This guide was developed by members of the Texas Instruments EDI message development Group. It is based on the guide developed by members of the Electronics Industry through the associations representing Europe (EDIFICE), Japan (EIAJ) and the USA (EIDX). It represents and is specific to the usage as specified by Texas Instruments.

PURPOSE OF THIS MESSAGE

The Delivery Schedule message is used to give information on future product requirements (FORECAST), and for placing firm orders (CALL-OFFS) which relate to previous forecasts. This message can also be used for committing to material acquisition for, and production of, products, where final delivery requirements are not specified. Texas Instruments does not currently make use of committed quantities.

The Delivery Schedule message can be used in a number of different business cycles. Typical business cycles are:

a) to forecast material in association with blanket purchase orders.

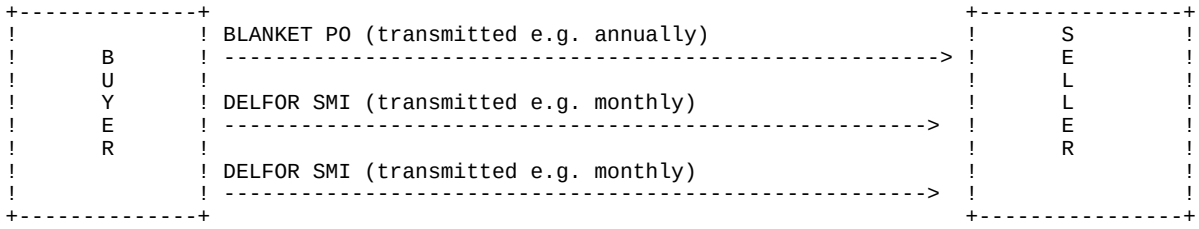
b) to forecast material in association with a contract.

With either, a call-off can be made using one of the following methods.

- with a Delivery Schedule message
- with a Delivery Just in Time message

The Delivery Schedule message will normally be used where trading partners have a stable trading environment, and multiple deliveries of stable product requirements exist.

A typical streamlined business cycle for Forecast-based Supplier Managed Inventory would be:



REFERENCES

UN/EDIFACT DIRECTORY D.97A 1996-12-10
- DRAFT RECOMMENDATION PURCHASE ORDER MESSAGE
  - Message Type : ORDERS
  - Version : D
  - Release : 97A
  - Controlling Agency : UN
  - Revision : 3
  - Date : 96-12-13
- DATA SEGMENTS DIRECTORY
- COMPOSITE DATA ELEMENTS DIRECTORY
- DATA ELEMENTS DIRECTORY
- CODE LISTS

ISO Standards
- ISO 9735 UN/EDIFACT - Applications level syntax rules
  - First edition 1988-07-15
  - Amended and Reprinted 1990-11-15
- ISO 3166 Code for the Representation of Names of Countries
  - Date : 1993
- ISO 4217 Code for the Representation of Currencies and Funds
  - Date : 1995

See also web-site : http://www.iso.ch

UN/ECE Recommendations
- No 5 Alphabetic Code for Incoterms 1990
  - Date : January 1996
- No 16 UN/LOCODE - Code for Ports and other Locations
  - Date : January 1996
- No 19 Codes for Mode of Transport
  - Date : November 1994
- No 20 Codes for Units of Measure used in International Trade
  - Date : August 1995
- No 21 Codes for Types of Cargo, Packages and Packaging Material
  - Date : March 1986

See also web-site: http://www.unece.org/trade/facil/tf_rec_h.htm

Core European Implementation Guidelines
- Introduction
  - Date : 1996-01-22
- Purchase Order
  - UN/EDIFACT Directory : 92.1/D.93A
  - Date : 1996-01-22

EDIFICE
- Standards for Documentation of the EDIFICE Implementation Guidelines
  - Issue : 3
  - Date : 1997-09-24
- EDIFICE Utilisation of the UN/EDIFACT Service Segments
  - Issue : 3
  - Date : 1997-09-24

EXPLANATORY NOTES

General

The following abbreviations are used within this document:

DE = Data Element
CO = Composite Data Element
SG = Segment Group

The following codes are used to indicate, in a more detailed and precise way than UN/EDIFACT, the usage of the data concerned in the EDIFICE Message Implementation Guidelines:

UN/EDIFACT	EDIFICE
M (Mandatory)	M (Mandatory)
C (Conditional)	R (Required)
C (Conditional)	D (Depending)
C (Conditional)	A (Advised)
C (Conditional)	O (Optional)
C (Conditional)	N (Not Used)

Mandatory = UN/EDIFACT dictates that the Data Element, Composite Data Element, Segment or Segment Group must be present.

Required = Indicates that the entity is required and must be sent.

Depending = Indicates that the entity must be sent if a particular defined condition or set of conditions exists. The associated conditions must be explained at the appropriate level of detail.

Advised = Indicates that the entity is advised or recommended and should be sent if previously agreed between the trading partners.

Optional = Indicates that the entity is optional and may be sent if previously agreed between the trading partners.

Not Used = Indicates that the entity is not used and should be omitted.

Where a Composite Data Element is indicated as 'Not Used', the column 'usage status' for the Data Elements will remain blank.

The number of occurrences shown in the EDIFICE Message Diagrams indicates the required or maximum number of occurrences for the entity utilisation.

The EDIFICE usage status and number of occurrences for segments or segment groups will be represented analogue to the representation of data elements e.g.:

R3 The segment or group is required 3 times (fixed number)
R..3 The segment or group is required up to 3 times (maximum number)

The following table indicates the number of integer and decimal digits to be used for numeric data elements when needed:

Numeric Class	Representation Digits	Integer Digits	Decimals
Dimensions	n..18	15	3
Quantities	n..15	12	3
Volumes	n..18	15	3
Weights	n..18	15	3
Unit Prices	n..15	11	4
Amounts	n..18	15	3
Currency Rates	n..12	6	6
Percentages	n..8	3	5

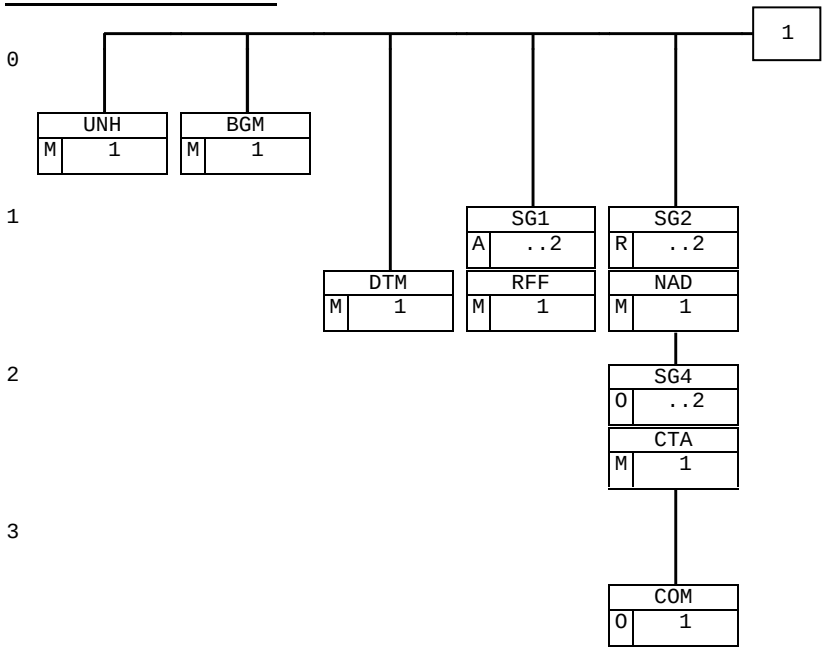
EDIFICE recommends that where there are significant decimals, these are explicitly stated using a decimal mark in a character position. Similarly the minus sign should be used to explicitly state a negative value.

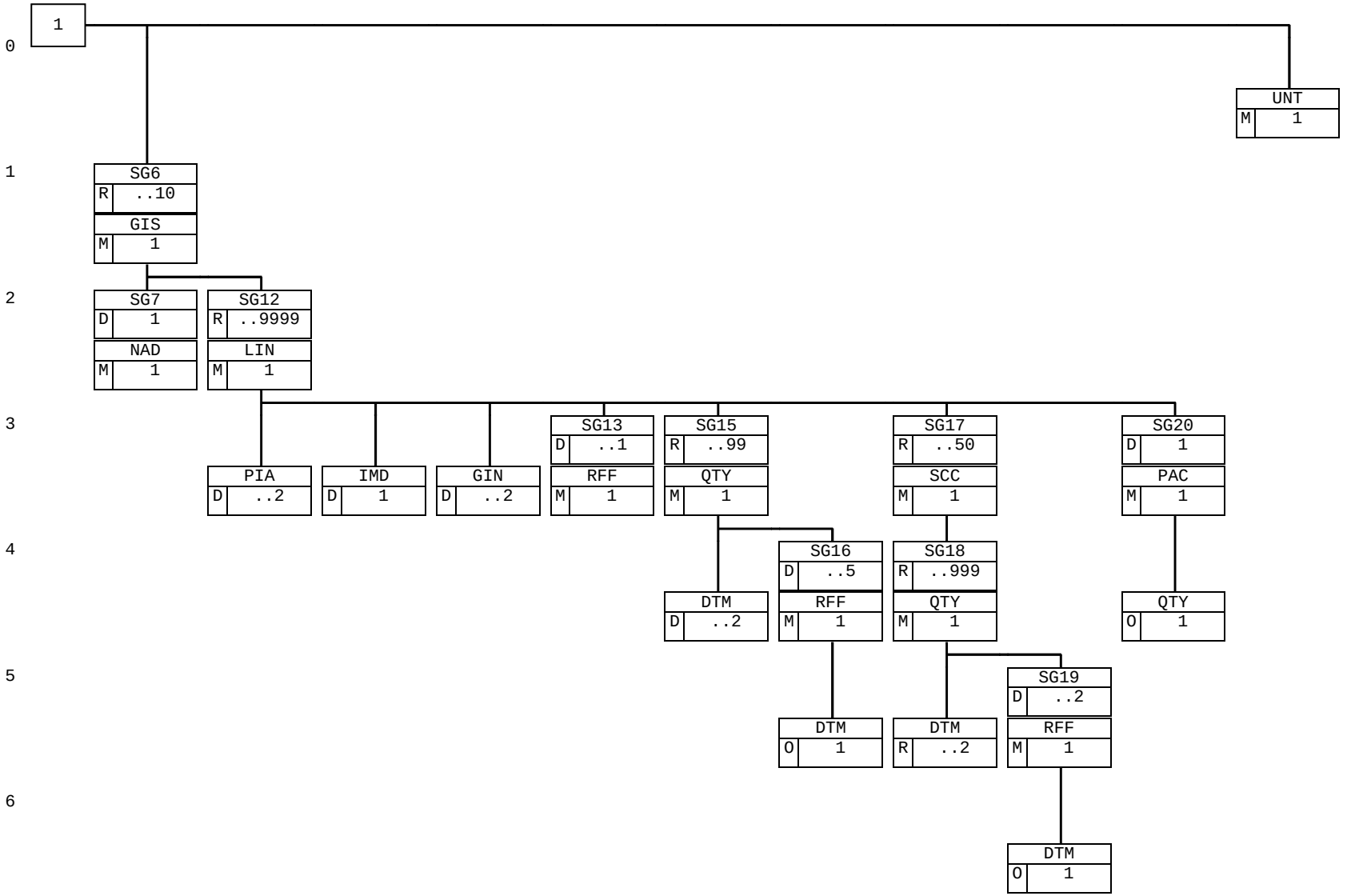
Consistent use of the date/time/period format should be adhered to throughout the entire message. EDIFICE recommends only to use the ’CCYYMMDD’ format.

MESSAGE STRUCTURE CHART

	UNH	MESSAGE HEADER	M1
	BGM	BEGINNING OF MESSAGE	M1
	DTM	DATE/TIME/PERIOD	M1
┌	SG1		A..2
└	RFF	REFERENCE	M1
┌	SG2		R..2
	NAD	NAME AND ADDRESS	M1
┌	SG4		O..2
	CTA	CONTACT INFORMATION	M1
└	COM	COMMUNICATION CONTACT	O1
┌	SG6		R..10
	GIS	GENERAL INDICATOR	M1
┌	SG7		D1
└	NAD	NAME AND ADDRESS	M1
┌	SG12		R..9999
	LIN	LINE ITEM	M1
	PIA	ADDITIONAL PRODUCT ID	D..2
	IMD	ITEM DESCRIPTION	D1
	GIN	GOODS IDENTITY NUMBER	D..2
┌	SG13		D..1
└	RFF	REFERENCE	M1
┌	SG15		R..99
	QTY	QUANTITY	M1
	DTM	DATE/TIME/PERIOD	D..2
┌	SG16		D..5
	RFF	REFERENCE	M1
└	DTM	DATE/TIME/PERIOD	O1
┌	SG17		R..50
	SCC	SCHEDULING CONDITIONS	M1
┌	SG18		R..999
	QTY	QUANTITY	M1
	DTM	DATE/TIME/PERIOD	R..2
┌	SG19		D..2
	RFF	REFERENCE	M1
└	DTM	DATE/TIME/PERIOD	O1
┌	SG20		D1
	PAC	PACKAGE	M1
└	QTY	QUANTITY	O1
	UNT	MESSAGE TRAILER	M1

BRANCHING DIAGRAM




0
1
2
3
4
5
6
1
UNT
M 1
SG6
R ..10
GIS
M 1
SG7
D 1
NAD
M 1
SG12
R ..9999
LIN
M 1
PIA
D ..2
IMD
D 1
GIN
D ..2
SG13
D ..1
RFF
M 1
SG15
R ..99
QTY
M 1
SG16
D ..5
RFF
M 1
DTM
O 1
SG17
R ..50
SCC
M 1
SG18
R ..999
QTY
M 1
DTM
R ..2
SG19
D ..2
RFF
M 1
DTM
O 1
SG20
D 1
PAC
M 1
QTY
O 1
DTM
D ..2

SEGMENT GROUPS/SEGMENTS DESCRIPTION

UNH MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.
Usage : M1

BGM BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of creation of the message.
Usage : M1

SG1 RFF-DTM

Function: A group of segments referencing documents and their dates, relating to the whole message.
Usage : A..2
Notes : Reference segments specifying contract or previous delivery schedule information should be present, preferably at header level. If this information is given at detail level, it must not appear here.
The DTM segment must be sent where local law requires the date of a reference document to be sent.

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1

SG2 NAD-SG3-SG4

Function: A group of segments identifying the parties involved and their associated information, relevant to the whole message.
Usage : R..2
Notes : SG3 is used if EC regulations and/or country law requires reference numbers to be sent.

NAD NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage : M1

SG4 CTA-COM

Function: A group of segments giving contact details of the specific person or department within the identified buying party involved, to whom communication should be directed.
Usage : O..2
Notes : This segment group will only be used under the NAD identifying the buyer.

CTA CONTACT INFORMATION

Function: A segment identifying a person or department, and their function.
Usage : M1

COM COMMUNICATION CONTACT

Function: A segment identifying a communications type and number.
Usage : O1

SG6 GIS-SG7-SG12

Function: A group of segments indicating the scheduling method used, identifying the delivery points and related information, and providing inventory and delivery details of the individual line items i.e. ordered/forecasted products.
Usage : R..10

Notes : SG7 must be sent if a firm delivery plan is specified in SG17.

GIS GENERAL INDICATOR

Function: A segment indicating that the delivery point scheduling method is used.
Usage : M1

SG7 NAD-LOC-SG11

Function: A group of segments identifying a delivery point and its associated information.
Usage : D1
Notes :

NAD NAME AND ADDRESS

Function: A segment identifying the coded identification, name and address of the delivery point.
Usage : M1

SG12 LIN-PIA-IMD-GIN-SG13-SG15-SG17-SG20-SG22

Function: A group of segments providing inventory, delivery details and liability for the individual line items.
Usage : R..9999
Notes : The PIA segment is dependent on whether the primary reference to the line item being ordered/forecasted is insufficient to identify the item.
The IMD segment is used to provide an additional description of the primary reference to the line item being ordered/forecasted. It may also be used for items that can not be identified by a code or article number.
The GIN segment is used to provide identity numbers to be applied to the line item.
SG13 is used to define references which must be associated with specific line items.
SG20 is used to specify any alternative packaging methods which have been agreed between trading partners.
The measure unit qualifier (DE 6411) must be agreed between trading partners and explicitly identified consistently across SG15 and SG18.

LIN LINE ITEM

Function: A segment identifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
The segment also carries a sequence number assigned to the line item within the message.
Usage : M1

PIA ADDITIONAL PRODUCT ID

Function: A segment providing additional identification numbers for the line item.
Usage : D..2

IMD ITEM DESCRIPTION

Function: A segment specifying ship to stock or ship to line quality and/or an additional description in clear or coded form, for the line item.
Usage : D1

GIN GOODS IDENTITY NUMBER

Function: A segment providing identity numbers to be applied to the line item.
Usage : D..2

SG13 RFF-DTM

Function: A group of segments specifying references for the line item.
Usage : D..1
Notes : Where the RFF at header level could not be used to specify the appropriate reference number it should appear here. Where the header level RFF gives the previous delivery schedule and/or contract information it must not appear here.
The DTM segment must be sent where local law requires the date of a reference document to be sent.

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1

SG15 QTY-DTM-SG16

Function: A group of segments specifying non-schedule related quantity information for the line item.
Usage : R..99
Notes : This matrix shows how QTY, DTM and RFF segments are used.

	QTY DE 6063	DTM DE 2005	RFF DE 1153
Cumulative quantity	3	-	-
Received quantity	48	50	AAK/PK/SRN/TN
Committed quantity	66	LSD (0)*	-
Cumulative quantity received	70	-	-
Backorder quantity	83	-	-
Minimum inventory	97	158/159(O)*	-
Maximum inventory	98	158/159(O)*	-
Actual stock	145	366	-

* Usage (O) Optional
In the UN/EDIFACT Directory, the maximum occurrence of this segment group is 10. EDIFICE has raised a DMR to increase the number of occurrences to 99.

QTY QUANTITY

Function: A segment specifying a quantity.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying a date/time related to the quantity.
Usage : D..2

SG16 RFF-DTM

Function: A group of segments specifying references for quantities received or consumed from inventory.
Usage : D..5
Notes :

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number, identifying the quantity received or consumed from inventory.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage : O1

SG17 SCC-SG18

Function: A group of segments specifying schedule related quantity information for the line item.
Usage : R..50
Notes : Trading partners have to agree to specifying either a single SCC segment group relating to all following QTY-DTM segment groups or one SCC segment group for each QTY-DTM segment group. The same method must be used consistently throughout the whole message.

SCC SCHEDULING CONDITIONS

Function: A segment specifying information on the liability commitment of the buyer to this schedule.
Usage : M1

SG18 QTY-DTM-SG19

Function: A group of segments specifying the delivery dates and quantities scheduled.
Usage : R..999
Notes : SG19 is only used when it is necessary to give different references for each delivery.

QTY QUANTITY

Function: A segment specifying a quantity.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the corresponding time-frame i.e. horizon start and end date/time or discrete date/time of the quantity.
Usage : R..2

SG19 RFF-DTM

Function: A group of segments providing references for the quantity.
Usage : D..2
Notes :

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage : O1

SG20 PAC-QTY

Function: A group of segments specifying product packaging information for the line item.
Usage : D1
Notes :

PAC PACKAGE

Function: A segment specifying the product package type.
Usage : M1

QTY QUANTITY

Function: A segment specifying the number of products contained in the package type.
Usage : O1

UNT MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage : M1

UNH MESSAGE HEADER

Function: A service segment heading, and uniquely identifying the message.
Usage : M1
Notes : Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue 3.

Ref.	Rep.		Name		EDIFICE Utilisation
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Transmission message count from 1
S009		M	MESSAGE IDENTIFIER	M	
0065	an..6	M	Message type identifier	M	DELFOR
0052	an..3	M	Message type version number	M	D
0054	an..3	M	Message type release number	M	97A
0051	an..2	M	Controlling agency	M	UN
0057	an..6	C	Association assigned code	R	EDDF04
0068	an..35	C	COMMON ACCESS REFERENCE	N	
S010		C	STATUS OF THE TRANSFER	N	
0070	n..2	M	Sequence message transfer number		
0073	a1	C	First/last sequence message transfer indication		

BGM BEGINNING OF MESSAGE

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage : M1
Notes : When the content of DE 1001 is not '241' Delivery Schedule, this code defines a specific business scenario assigned by EDIFICE - in which case DE 3055 must be set to '8'.

Ref.	Rep.		Name		EDIFICE Utilisation
C002		C	DOCUMENT/MESSAGE NAME	R	
1001	an..3	C	Document/message name, coded	R	241 = Delivery schedule The following values for DE 1001 have currently been assigned. A = Planning forecast. B = Planning forecast with traditional purchase order cycle. C = Planning forecast and separate material release D = Planning forecast combined with embedded release E = Planning forecast with consignment stock. F = Planning forecast with separate calloff, and consignment. G = Forecast-based Supplier-Managed Inventory H = Forecast-based Supplier-Managed Inventory with consignment I = Consumption-based Supplier-Managed Inventory J = Distributor forecasting and supply K = Supplier-Managed Inventory in third party warehouse - buyer-owned inventory L = SMI in third party warehouse - seller-owned inventory (i.e. consignment) M = Contract manufacturing - Prime contractor procures components N = Contract manufacturing - Contract manufacturer procures components O = Consignment inventory in third party warehouse P = Response to forecast.
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	D	8 = EDIFICE
1000	an..35	C	Document/message name	N	
C106		C	DOCUMENT/MESSAGE IDENTIFICATION	R	
1004	an..35	C	Document/message number	R	
1056	an..9	C	Version	N	
1060	an..6	C	Revision number	N	
1225	an..3	C	MESSAGE FUNCTION, CODED	A	9 = Original
4343	an..3	C	RESPONSE TYPE, CODED	N	

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of creation of the message.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	137 = Document/message date/time Date when the document is created
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG1 RFF-DTM

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	BO = Blanket order number CT = Contract number GC = Government contract number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

SG2 NAD-SG3-SG4

NAD NAME AND ADDRESS

Function: A segment identifying the function and coded identification, name and address of a party involved.
Usage : M1
Notes : It is advised that the party identification CO C082 be used. When CO C082 cannot be used it is recommended to use the structured name and address CO C080 through DE 3207 rather than the unstructured one CO C058.

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY QUALIFIER	M	BY = Buyer SE = Seller
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..35	M	Party id. identification	M	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller’s agent 92 = Assigned by buyer or buyer’s agent
C058		C	NAME AND ADDRESS	D	
3124	an..35	M	Name and address line	M	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
C080		C	PARTY NAME	D	
3036	an..35	M	Party name	M	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3045	an..3	C	Party name format, coded	N	
C059		C	STREET	D	
3042	an..35	M	Street and number/p.o. box	M	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3164	an..35	C	CITY NAME	D	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	D	
3251	an..9	C	POSTCODE IDENTIFICATION	D	
3207	an..3	C	COUNTRY, CODED	D	Use ISO 3166, 2 alpha code

SG4 CTA-COM

CTA CONTACT INFORMATION

Function: A segment identifying a person or department, and their function.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
3139	an..3	C	CONTACT FUNCTION, CODED	R	PD = Purchasing contact SC = Schedule contact
C056		C	DEPARTMENT OR EMPLOYEE DETAILS	R	If a code is available use DE 3413, otherwise use DE 3412.
3413	an..17	C	Department or employee identification	D	
3412	an..35	C	Department or employee	D	

SG4 CTA-COM

COM COMMUNICATION CONTACT

Function: A segment identifying a communications type and number.
Usage : O1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C076		M	COMMUNICATION CONTACT	M	
3148	an..512	M	Communication number	M	
3155	an..3	M	Communication channel qualifier	M	TE = Telephone

SG6 GIS-SG7-SG12

GIS GENERAL INDICATOR

Function: A segment indicating that the delivery point scheduling method is used.
Usage : M1
Notes : This dummy segment defines the use of the ’Delivery point driven’ method.

Ref.	Rep.		Name		EDIFICE Utilisation
C529		M	PROCESSING INDICATOR	M	
7365	an..3	M	Processing indicator, coded	M	ZZZ = Delivery point driven scheduling method
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
7187	an..17	C	Process type identification	N	

SG7 NAD-LOC-SG11

NAD NAME AND ADDRESS

Function: A segment identifying the coded identification, name and address of the delivery point.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
3035	an..3	M	PARTY QUALIFIER	M	DP = Delivery party Delivery point
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..35	M	Party id. identification	M	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C058		C	NAME AND ADDRESS	D	
3124	an..35	M	Name and address line	M	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
3124	an..35	C	Name and address line	O	
C080		C	PARTY NAME	D	
3036	an..35	M	Party name	M	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3036	an..35	C	Party name	O	
3045	an..3	C	Party name format, coded	N	
C059		C	STREET	D	
3042	an..35	M	Street and number/p.o. box	M	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3042	an..35	C	Street and number/p.o. box	O	
3164	an..35	C	CITY NAME	D	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	D	
3251	an..9	C	POSTCODE IDENTIFICATION	D	
3207	an..3	C	COUNTRY, CODED	D	Use ISO 3166, 2 alpha code

SG12 LIN-PIA-IMD-GIN-SG13-SG15-SG17-SG20-SG22

LIN LINE ITEM

Function: A segment identifying a line item by its item number, and agreed to be the primary reference number between the buyer and seller.
The segment also carries a sequence number assigned to the line item within the message.
Usage : M1
Notes : For a line item referring to a service which has no coded identification, the primary identification is found in segment IMD, rather than in CO C212.

Ref.	Rep.		Name	EDIFICE Utilisation	
1082	an..6	C	LINE ITEM NUMBER	R	It is required to assign a number to the line items within a message. The number is assigned by the sender of the message. The first line item within a message will be numbered 1 and further line items will be incremented by 1 for each new line.
1229	an..3	C	ACTION REQUEST/NOTIFICATION, CODED	N	
C212		C	ITEM NUMBER IDENTIFICATION	A	
7140	an..35	C	Item number	R	Primary reference
7143	an..3	C	Item number type, coded	R	BP = Buyer's part number VP = Vendor's (seller's) part number
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C829		C	SUB-LINE INFORMATION	N	
5495	an..3	C	Sub-line indicator, coded		
1082	an..6	C	Line item number		
1222	n..2	C	CONFIGURATION LEVEL	N	
7083	an..3	C	CONFIGURATION, CODED	N	

SG12 LIN-PIA-IMD-GIN-SG13-SG15-SG17-SG20-SG22

PIA ADDITIONAL PRODUCT ID

Function: A segment providing additional identification numbers for the line item.
Usage : D..2
Notes : The 5 internal repetitions of CO C212 may be used, but EDIFICE recommends to only use the first occurrence.

Ref.	Rep.		Name		EDIFICE Utilisation
4347	an..3	M	PRODUCT ID. FUNCTION QUALIFIER	M	1 = Additional identification
C212		M	ITEM NUMBER IDENTIFICATION	M	
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	BP = Buyer's part number EC = Engineering change level VP = Vendor's (seller's) part number
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item number	R	
7143	an..3	C	Item number type, coded	R	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	

SG12 LIN-PIA-IMD-GIN-SG13-SG15-SG17-SG20-SG22

IMD ITEM DESCRIPTION

Function: A segment specifying ship to stock or ship to line quality and/or an additional description in clear or coded form, for the line item.
Usage : D1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
7077	an..3	C	ITEM DESCRIPTION TYPE, CODED	D	F = Free-form
7081	an..3	C	ITEM CHARACTERISTIC, CODED	N	
C273		C	ITEM DESCRIPTION	D	Use DE 7009 for a coded description. If no code is available use DE 7008 instead.
7009	an..17	C	Item description identification	A	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	N	
7008	an..35	C	Item description	D	Description
7008	an..35	C	Item description	O	
3453	an..3	C	Language, coded	N	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	N	

SG12 LIN-PIA-IMD-GIN-SG13-SG15-SG17-SG20-SG22

GIN GOODS IDENTITY NUMBER

Function: A segment providing identity numbers to be applied to the line item.
Usage : D..2
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
7405	an..3	M	IDENTITY NUMBER QUALIFIER	M	BN = Serial number
C208		M	IDENTITY NUMBER RANGE	M	The first DE 7402 in the composite data element is the start of the consecutively numbered range, the second DE 7402 indicates the end of the range. If there is no range only the first DE 7402 is used. If the identity numbers are not sequential and part of a series (e.g. 1,3,10) then a separate CO C208 and DE 7402 must be used for each identity number.
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	

SG13 RFF-DTM

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	BO = Blanket order number CT = Contract number GC = Government contract number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

SG15 QTY-DTM-SG16

QTY QUANTITY

Function: A segment specifying a quantity.
Usage : M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	3 = Cumulative quantity This is the sum of the quantities for this line item in the QTY segment in SG20. 48 = Received quantity 66 = Committed quantity Liability quantity as defined in a contractual agreement. 70 = Cumulative quantity received 83 = Backorder quantity Quantity previously requested for delivery before current date and not yet fulfilled. 97 = Minimum inventory 98 = Maximum inventory 145 = Actual stock Inventory quantity.
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	R	PCE = piece

SG15 QTY-DTM-SG16

DTM DATE/TIME/PERIOD

Function: A segment specifying a date/time related to the quantity.
Usage : D..2
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	159 = Horizon end date
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG16 RFF-DTM

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number, identifying the quantity received or consumed from inventory.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	PK = Packing list number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

SG16 RFF-DTM

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage : O1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	171 = Reference date/time
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG17 SCC-SG18

SCC SCHEDULING CONDITIONS

Function: A segment specifying information on the liability commitment of the buyer to this schedule.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
4017	an..3	M	DELIVERY PLAN STATUS INDICATOR, CODED	M	1 = Firm 2 = Commitment for manufacturing and material 3 = Commitment for material 4 = Planning/forecast
4493	an..3	C	DELIVERY REQUIREMENTS, CODED	N	
C329		C	PATTERN DESCRIPTION	N	
2013	an..3	C	Frequency, coded		
2015	an..3	C	Despatch pattern, coded		
2017	an..3	C	Despatch pattern timing, coded		

SG18 QTY-DTM-SG19

QTY QUANTITY

Function: A segment specifying a quantity.
Usage : M1
Notes : EDIFICE recommends that DE 6063 should identify all quantities required on the specified date, by using code ’131’.

Ref.	Rep.		Name	EDIFICE Utilisation	
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	131 = Delivery quantity
6060	n..15	M	Quantity	M	0 if DE 6063 = 85
6411	an..3	C	Measure unit qualifier	R	PCE = piece

SG18 QTY-DTM-SG19

DTM DATE/TIME/PERIOD

Function: A segment specifying the corresponding time-frame i.e. horizon start and end date/time or discrete date/time of the quantity.
Usage : R..2
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	2 = Delivery date/time, requested Date on which buyer requests goods to be delivered 158 = Horizon start date 159 = Horizon end date
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG19 RFF-DTM

RFF REFERENCE

Function: A segment specifying a document reference number and its appropriate line number.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	FDS = Firm delivery schedule reference number Reference number assigned by the buyer to a specific firm delivery schedule. Use this code until UN/EDIFACT makes one available. ON = Order number (purchase)
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

SG19 RFF-DTM

DTM DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage : O1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date/time/period qualifier	M	171 = Reference date/time
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	102 = CCYYMMDD

SG20 PAC-QTY

PAC PACKAGE

Function: A segment specifying the product package type.
Usage : M1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
7224	n..8	C	NUMBER OF PACKAGES	N	
C531		C	PACKAGING DETAILS	N	
7075	an..3	C	Packaging level, coded		
7233	an..3	C	Packaging related information, coded		
7073	an..3	C	Packaging terms and conditions, coded		
C202		C	PACKAGE TYPE	R	
7065	an..17	C	Type of packages identification	R	The following codes are taken from UN/ECE Recommendation no.21, (TDED 5.8): BA = Barrel BB = Bobbin BE = Bundle BG = Bag BQ = Bottle, protected cylindrical BV = Bottle, protected bulbous BX = Box CG = Cage CN = Container (*) CR = Crate CS = Case CT = Carton CX = Can, cylindrical DR = Drum EN = Envelope NE = Unpacked or unpackaged PC = Parcel PE = Pallet (*) PK = Package PU = Tray RL = Reel RO = Roll SW = Shrinkwrapped TN = Tin TU = Tube (*) Use this code until it is accepted by UN/ECE The following codes are taken from EIDX documentation: BLK90 = Standard Bulk RAL90 = Standard Rail (semiconductor) REL90 = Standard Reel TRY90 = Standard Tray
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	D	Only used if the code is taken from EIDX documentation. 116 = US, ANSI ASC X12
7064	an..35	C	Type of packages	N	
C402		C	PACKAGE TYPE IDENTIFICATION	N	
7077	an..3	M	Item description type, coded		
7064	an..35	M	Type of packages		
7143	an..3	C	Item number type, coded		
7064	an..35	C	Type of packages		
7143	an..3	C	Item number type, coded		
C532		C	RETURNABLE PACKAGE DETAILS	N	
8395	an..3	C	Returnable package freight payment responsibility, coded		
8393	an..3	C	Returnable package load contents, coded		

SG20 PAC-QTY

QTY QUANTITY

Function: A segment specifying the number of products contained in the package type.
Usage : O1
Notes :

Ref.	Rep.		Name	EDIFICE Utilisation	
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	52 = Quantity per pack
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	N	

UNT MESSAGE TRAILER

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage : M1
Notes : Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue 3.

Ref.	Rep.		Name	EDIFICE Utilisation	
0074	n..6	M	NUMBER OF SEGMENTS IN A MESSAGE	M	Count of all segments in the message, UNH and UNT included.
0062	an..14	M	MESSAGE REFERENCE NUMBER	M	Must be the same reference number as in DE 0062 of the UNH segment of this message.

EXAMPLES

EXAMPLE 1 – FORECAST AND CALL OFF

```
UNH+1+DELFOR:D:97A:UN:EDDF04'

BGM+241+5678'                 Delivery Schedule Number
DTM+137:19980518:102'         Message Date
RFF+CT+999456'                Contract Number
NAD+BY+ABC LTD::92'           Customer - Buyer Id
CTA+PD+:PETER SMITH'
COM+0756-551234:TE'
NAD+SE+TEXAS001::91'          Seller Id

GIS+ZZZ'
NAD+DP+ABC SHIP::92'          Customer - Delivery Party Id
LIN+1++ABC0071:BP::92'        Buyers Part Number
PIA+1+ACT2T:VP::91'           Vendors Part Number
QTY+3:1500:PCE'               Cumulative quantity
SCC+4'                        Forecast
QTY+131:500:PCE'              Forecast quantity
DTM+158:19980524:102'         Horizon start date
DTM+159:19980524:102'         Horizon end date
SCC+4'
QTY+131:500:PCE'
DTM+158:19980601:102'
DTM+159:19980601:102'
SCC+1'                        Call-off
QTY+131:500:PCE'              Call-off quantity
DTM+2:19980524:102'           Call-off date
RFF+ON:5677'                  Purchase order number
UNT+26+1'
```