EDIFICE IMPLEMENTATION GUIDELINE

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DELIVERY SCHEDULE

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ISSUE EDDF04

ENDORSED 4 MARCH 1998

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BASED ON

UN/EDIFACT D.97A DELFOR MESSAGE

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:
```
    all DTM segments, DE 1153,   codes '301' YYMMDDHHMMZZZ
                                       '303' CCYYMMDDHHMMZZZ

    SG1,  RFF segment, DE 1153, codes 'GC'  Government contract number
                                      'PR'  Price quote number
    SG12, LIN segment, DE 7143, codes 'DI'  Distributor's part number
                                      'MF'  Manufacturer's (producer's) article number
    SG12, LIN segment, DE 3055, codes '89'  Assigned by distributor
                                      '90'  Assigned by manufacturer
    SG12, PIA segment, DE 7143, codes 'AA'  Product version number
                                      'CL'  Color number
                                      'CV'  Customs article number
                                      'DI'  Distributor's part number
                                      'MF'  Manufacturer's (producer's) article number
                                      'MN'  Model number
                                      'SG'  Standard group of products (mixed assortment)
                                      'SN'  Serial number
    SG12, PIA segment, DE 3055, codes '89'  Assigned by distributor
                                      '90'  Assigned by manufacturer
    SG12, IMD segment, DE 7077, codes 'C'   Code (from industry code list)
                                      'F'   Free-form
    SG13, RFF segment, DE 1153, codes 'GC'  Government contract number
                                      'PR'  Price quote number
    SG15, DTM segment, DE 2005, code  'LSD' Liability start date
    SG18, QTY segment, DE 6063, codes '18'  Previous quantity
                                      '21'  Order quantity
                                      '85'  Previous order quantity to be cancelled
                                      '94'  Substitutional quantity
    SG19, RFF segment, DE 1153, code  'FDS' Firm delivery schedule reference number,
```
- Addition of the following segment groups/segments:
```
    SG1,  DTM segment
    SG3,  RFF segment
    SG6
    SG7,  LOC segment
    SG11
    SG12, GIN segment
    SG13, DTM segment
    SG16, DTM segment
    SG19, DTM segment
    SG20, QTY segment
    SG22
    SG23,
```

- Deletion of the following code values:
```
    SG2,  NAD segment, DE 3035, codes 'DP'
                                      'FW'
                                      'IV'
    SG19, RFF segment, DE 1153, codes 'BO'
                                      'CT',
```

- Deletion of the following segment groups/segments:
```
    SG29
    SG30,
```

- 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
    SG1,  RFF segment, CO C506,       DE 1156,      X to O
    SG4,  CTA segment, CO C056,       DE 3412,      A to D
    SG12, LIN segment, CO C212,       R to A
    SG12, IMD segment, DE 7077, X to D
    SG12, IMD segment, DE 7081, R to O
    SG12, IMD segment, CO C273,       X to D
    SG13, RFF segment, CO C506, DE 1154,    D to R
    SG13, RFF segment, CO C506,       DE 1156,      D to O
    SG20, PAC segment, DE 7224, O to N
    SG20, PAC segment, CO C202,       DE 3055,      R to D,
```

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

- Alignment of segments and composite data elements to ensure conformance (data harmonization) across all EDIFICE Implementation Guidelines,

- Update of the REFERENCES and EXPLANATORY NOTES section to comply with the EDIFICE Standards for Documentation of Message 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.

EDIFICE FUNCTIONAL DEFINITION

The Delivery Schedule message (DELFOR) is defined as a message from a party who is planning the use or consumption of products to a party who has to plan for the supply of products. The message gives the requirements regarding details for short term delivery and/or medium to long term scheduling of products. The scheduling can be used to authorise manufacturing and/or the provision of materials. This is based on the terms and conditions defined in a blanket purchase order or contract and covers the liability commitments of the buyer.

Principles

The Delivery Schedule message may be used to:

- specify firm delivery dates and the quantities scheduled (using segment SCC, DE 4017 Delivery Plan Status Indicator coded as "Firm" (1))

- specify forecasted production requirements (using SCC, DE 4017 coded as "commitment for material and manufacturing" (2), "commitment for material" (3), or "planning/forecast" (4))

- define the aspects that guarantee the synchronisation between the supplying and receiving parties, thus allowing the supplier to plan for the resources necessary to fulfil the customer's requirements

- enable the operation of forecast-based Supplier Managed Inventory principles, in which the supplier is informed of the customer's minimum, maximum and actual inventory on hand and takes the responsibility for determining at what date and with what quantity to replenish the customer's stocks

This message will normally be used where trading partners have a stable trading environment, and multiple deliveries of stable product requirements exist. This does not mean flat or level requirements, but rather managed upside or downside fluctuations.

The EDIFICE guideline for DELFOR supports the delivery point driven scheduling method only.

This is when, for a given delivery point, a number of different products are to be delivered. This means that address information triggers product information.

EDIFICE strongly recommends usage restricted to a single delivery point.

The association to a previous Delivery Schedule message is given by referencing the appropriate document/message number. Each schedule is seen as the latest statement of requirements, replacing previous schedules if they existed.

REFERENCES

```
UN/EDIFACT DIRECTORY D.97A 1996-12-10
   - DRAFT RECOMMENDATION DELFOR MESSAGE
      Message Type      : DELFOR
      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
   See also web-site : http://www.iso.ch

UN/ECE Recommendations
   - 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
   - Delivery Schedule
      UN/EDIFACT Directory    : 92.1/D.93A
      Date    : 1996-01-22


EDIFICE
- Standards for Documentation of the EDIFICE Message Guidelines
      Issue   : 3 (DRAFT)
      Date    : 1997-09-24
   - EDIFICE Utilisation of the UN/EDIFACT Service Segments
      Issue   : 3
      Date    : 1997-11-26
```

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' or 'CCYYMMDDHHMM' format.

MESSAGE STRUCTURE CHART

```
      UNH      MESSAGE HEADER                           M1
      BGM      BEGINNING OF MESSAGE                     M1
      DTM      DATE/TIME/PERIOD                         M1
   ┌──SG1                                               A..5
   │  RFF      REFERENCE                                M1
   └──DTM      DATE/TIME/PERIOD                         D1
   ┌──SG2                                               R2
   │  NAD      NAME AND ADDRESS                         M1
   │┌─SG3                                               D1
   │└─RFF      REFERENCE                                M1
   ┌──SG4                                               O..2
   │  CTA      CONTACT INFORMATION                      M1
   └──COM      COMMUNICATION CONTACT                    O..3
   ┌──SG6                                               R..10
   │  GIS      GENERAL INDICATOR                        M1
   │┌─SG7                                               D1
   │  NAD      NAME AND ADDRESS                         M1
   │  LOC      PLACE/LOCATION IDENTIFICATION            O1
   │┌─SG11                                              O1
   │└─TDT      DETAILS OF TRANSPORT                     M1
   ┌──SG12                                              R..9999
   │  LIN      LINE ITEM                                M1
   │  PIA      ADDITIONAL PRODUCT ID                    D..10
   │  IMD      ITEM DESCRIPTION                         D1
   │  GIN      GOODS IDENTITY NUMBER                    D..100
   │┌─SG13                                              D..5
   ││ RFF      REFERENCE                                M1
   │└─DTM      DATE/TIME/PERIOD                         D1
   │┌─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..999
   │  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
   │┌─SG22                                              O..2
   │  NAD      NAME AND ADDRESS                         M1
   │┌─SG23                                              D..2
   └┴─DOC      DOCUMENT/MESSAGE DETAILS                 M1
      UNT      MESSAGE TRAILER                          M1
```

BRANCHING DIAGRAM

```
                                                                              ┌─────────┐
                                                                              │    2    │
0  ─┬──────────┬──────────┬──────────┬──────────────────────┬─────────────────└─────────┘
    │          │          │          │                      │
 ┌──────────┐ ┌──────────┐│          │                      │
 │   UNH    │ │   BGM    ││          │                      │
 │ M │  1   │ │ M │  1   ││          │                      │
 └──────────┘ └──────────┘│          │                      │
                          │          │                      │
1                         │     ┌──────────┐ ┌──────────┐  ┌──────────┐
                          │     │   SG1    │ │   SG2    │  │   SG6    │
                          │     │ A │ ..5  │ │ R │  2   │  │ R │ ..10 │
                          │     └──────────┘ └──────────┘  └──────────┘
                    ┌──────────┐┌──────────┐ ┌──────────┐  ┌──────────┐      ┌─────────┐
                    │   DTM    ││   RFF    │ │   NAD    │  │   GIS    │      │    1    │
                    │ M │  1   ││ M │  1   │ │ M │  1   │  │ M │  1   │      └─────────┘
                    └──────────┘└──────────┘ └──────────┘  └──────────┘
2                              │         ┌──────────┐┌──────────┐┌──────────┐
                               │         │   SG3    ││   SG4    ││   SG7    │
                               │         │ D │  1   ││ O │ ..2  ││ D │  1   │
                               │         └──────────┘└──────────┘└──────────┘
                          ┌──────────┐ ┌──────────┐┌──────────┐┌──────────┐
                          │   DTM    │ │   RFF    ││   CTA    ││   NAD    │
                          │ D │  1   │ │ M │  1   ││ M │  1   ││ M │  1   │
                          └──────────┘ └──────────┘└──────────┘└──────────┘
3                                                  │           │
                                                   │        ┌──────────┐
                                                   │        │   SG11   │
                                                   │        │ O │  1   │
                                                   │        └──────────┘
                                             ┌──────────┐┌──────────┐┌──────────┐
                                             │   COM    ││   LOC    ││   TDT    │
                                             │ O │ ..3  ││ O │  1   ││ M │  1   │
                                             └──────────┘└──────────┘└──────────┘
```

```
2    ┌─────┐
     │  1  │
     └──┬──┘
        │
     ┌──────────┐
2    │   SG12   │
     │R  ..9999 │
     ├──────────┤
     │   LIN    │
     │M    1    │
     └────┬─────┘
          │
3    ┌────┬─────┬──────┬──────┬──────┬───────────┬──────┬──────┐
  ┌───────┐ ┌───────┐ ┌────────┐ ┌────────┐ ┌────────┐           ┌────────┐ ┌────────┐
  │  PIA  │ │  IMD  │ │  GIN   │ │  SG13  │ │  SG15  │           │  SG17  │ │  SG20  │ │  SG22  │
  │D  ..10│ │D   1  │ │D  ..100│ │D   ..5 │ │R   ..99│           │R  ..999│ │D    1  │ │O   ..2 │
  └───────┘ └───────┘ └────────┘ ├────────┤ ├────────┤           ├────────┤ ├────────┤ ├────────┤
                                 │  RFF   │ │  QTY   │           │  SCC   │ │  PAC   │ │  NAD   │
                                 │M    1  │ │M    1  │           │M    1  │ │M    1  │ │M    1  │
                                 └───┬────┘ └───┬────┘           └───┬────┘ └───┬────┘ └───┬────┘
4                                    │          │                    │          │          │
                                     │      ┌────────┐           ┌────────┐     │      ┌────────┐
                                     │      │  SG16  │           │  SG18  │     │      │  SG23  │
                                     │      │D   ..5 │           │R  ..999│     │      │D   ..2 │
                                  ┌──────┐  ├────────┤           ├────────┤  ┌──────┐  ├────────┤
                                  │ DTM  │  │  RFF   │           │  QTY   │  │ QTY  │  │  DOC   │
                                  │D   1 │  │M    1  │           │M    1  │  │O   1 │  │M    1  │
                                  └──────┘  └───┬────┘ ┌──────┐  └───┬────┘  └──────┘  └────────┘
                                               │     │ DTM  │      │
                                               │     │D  ..2│      │
                                               │     └──────┘      │
5                                              │                   ├──────────┐
                                           ┌──────┐           ┌──────┐  ┌────────┐
                                           │ DTM  │           │ DTM  │  │  SG19  │
                                           │O   1 │           │R  ..2│  │D   ..2 │
                                           └──────┘           └──────┘  ├────────┤
                                                                        │  RFF   │
                                                                        │M    1  │
                                                                        └───┬────┘
6                                                                           │
                                                                        ┌──────┐
                                                                        │ DTM  │
                                                                        │O   1 │
                                                                        └──────┘
```

```
       ┌─────┐
       │  2  │───────┐
       └─────┘       │
  0                  │
              ┌──────┴──────┐
              │    UNT      │
              ├───┬─────────┤
              │ M │    1    │
              └───┴─────────┘
```
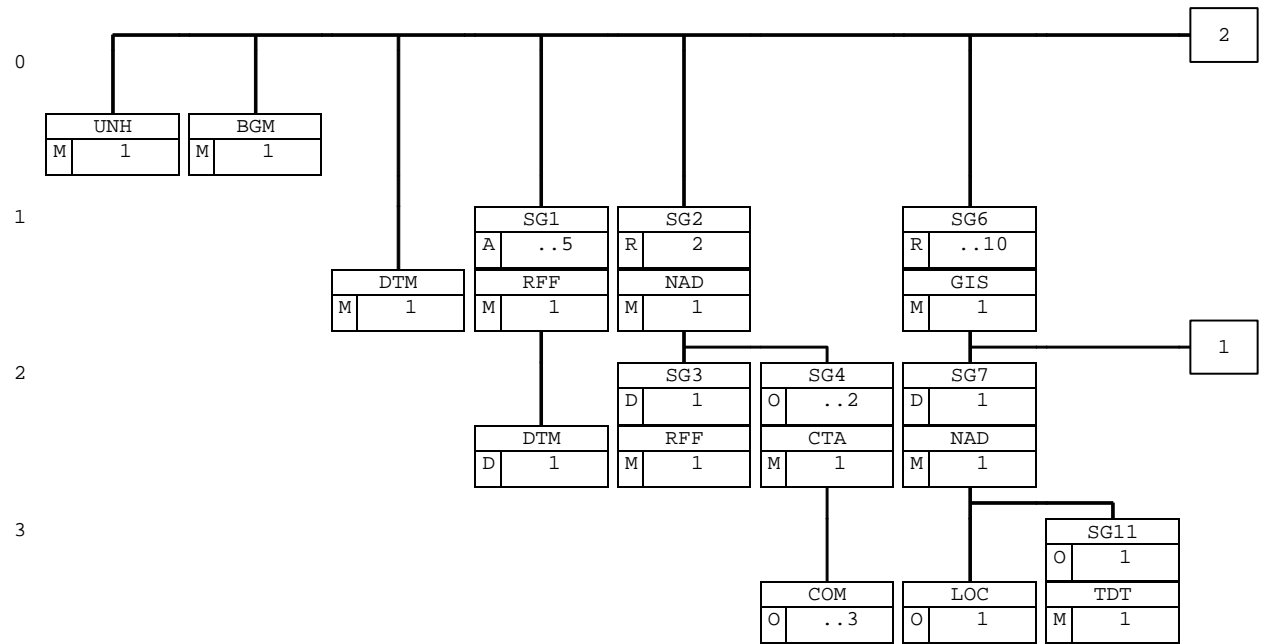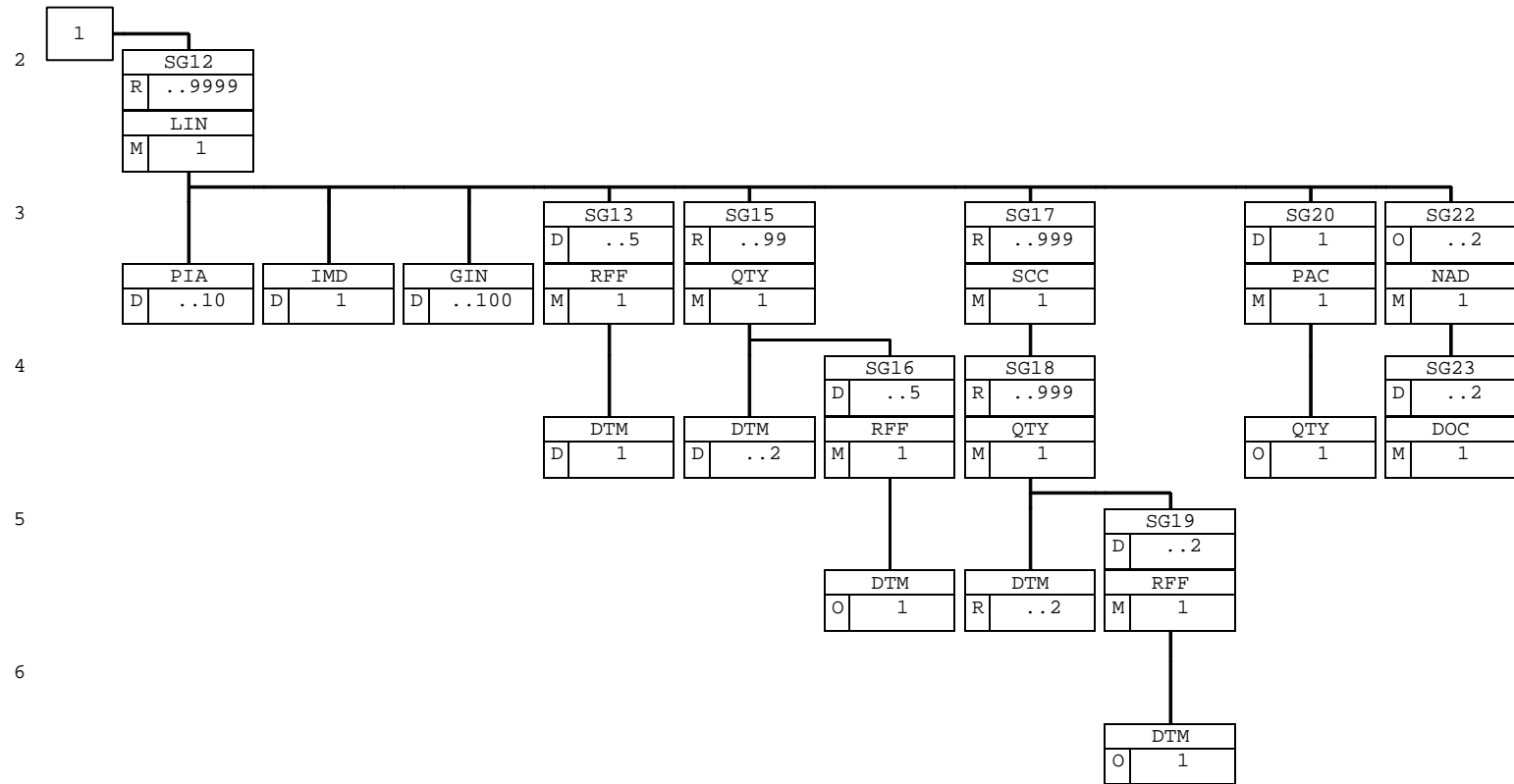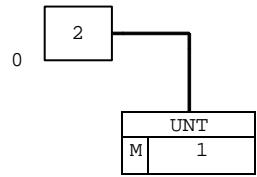
SEGMENT GROUPS/SEGMENTS DESCRIPTION

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..5
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

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage   : D1

SG2   NAD-SG3-SG4

Function: A group of segments identifying the parties involved and their associated information,
        relevant to the whole message.
Usage   : R2
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

SG3   RFF

Function: A group of segments giving references relating to the identified buying party involved.
Usage   : D1
Notes   :

RFF   REFERENCE

Function: A segment specifying a company specific reference.
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   : O..3

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

LOC   PLACE/LOCATION IDENTIFICATION

Function: A segment identifying a specific location or place at the delivery point.
Usage   : O1

SG11   TDT

Function: A group of segments specifying transport details.
Usage   : O1
Notes   : Used only if details of transport need to be conveyed.

TDT   DETAILS OF TRANSPORT

Function: A segment specifying for the main-carriage stage the mode of transport and the carrier
          information.
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..10

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..100

SG13   RFF-DTM

Function: A group of segments specifying references for the line item.
Usage   : D..5
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

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage   : D1

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        DTM        RFF
                                DE 6063    DE 2005    DE 1153
                                -------    -------    -------
        Cumulative quantity        3          -          -
        Received quantity         48         50         AAK/PK/SRN/TN
        Quantity withdrawn        58        158/159     IV/TN (O)*
        Committed quantity        66        LSD (O)*      -
        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..999
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

SG22   NAD-SG23

Function: A group of segments identifying the parties involved and their associated information,
          for the line item.
Usage   : O..2
Notes   : SG23 is only used when DE 3055 in NAD = 'BY'

NAD   NAME AND ADDRESS

Function: A segment identifying the buyer as the party requesting the certificates, or identifying
          the manufacturer's code, for the line item.
Usage   : M1

SG23   DOC

Function: A group of segments specifying the certificates.
Usage   : D..2

Notes   :

DOC   DOCUMENT/MESSAGE DETAILS

Function: A segment specifying a requested certificate
Usage   : M1

UNT   MESSAGE TRAILER

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

UNH

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	101 = YYMMDD
					102 = CCYYMMDD
					201 = YYMMDDHHMM
					203 = CCYYMMDDHHMM
					301 = YYMMDDHHMMZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone

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	AAD = Contract addendum number Number assigned by the issuer of a contract addendum. ALM = Previous delivery schedule number BO = Blanket order number CT = Contract number GC = Government contract number PR = Price quote number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

SG1   RFF-DTM

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage   : D1
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	101 = YYMMDD
					102 = CCYYMMDD
					201 = YYMMDDHHMM
					203 = CCYYMMDDHHMM
					301 = YYMMDDHHMMZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone

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	9 = EAN (International Article Numbering association)
					16 = DUNS (Dun & Bradstreet)
					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

SG3   RFF

RFF   REFERENCE

Function: A segment specifying a company specific reference.
Usage : M1
Notes :

Ref. Rep. Name		EDIFICE Utilisation
C506 M REFERENCE	M	
1153 an..3 M Reference qualifier	M	VA = VAT registration number
		GN = Government reference number
1154 an..35 C Reference number	R	
1156 an..6 C Line number	N	
4000 an..35 C Reference version number	N	

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	

COM   COMMUNICATION CONTACT

Function: A segment identifying a communications type and number.
Usage   : O..3
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 EM = Electronic mail FX = Telefax TE = Telephone

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	

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	9 = EAN (International Article Numbering association)
					16 = DUNS (Dun & Bradstreet)
					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

LOC   PLACE/LOCATION IDENTIFICATION

Function: A segment identifying a specific location or place at the delivery point.
Usage   : O1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
3227	an..3	M	PLACE/LOCATION QUALIFIER	M	88 = Place of receipt
C517		C	LOCATION IDENTIFICATION	R	It is advised that DE 3225 be used together with DE 3055 rather than DE 3224.
3225	an..25	C	Place/location identification	A	
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	D	92 = Assigned by buyer or buyer's agent
3224	an..70	C	Place/location	D	
C519		C	RELATED LOCATION ONE IDENTIFICATION	N	
3223	an..25	C	Related place/location one identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3222	an..70	C	Related place/location one		
C553		C	RELATED LOCATION TWO IDENTIFICATION	N	
3233	an..25	C	Related place/location two identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3232	an..70	C	Related place/location two		
5479	an..3	C	RELATION, CODED	N	

SG11   TDT

TDT   DETAILS OF TRANSPORT

Function: A segment specifying for the main-carriage stage the mode of transport and the carrier
         information.
Usage : M1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
8051	an..3	M	TRANSPORT STAGE QUALIFIER	M	20 = Main-carriage transport
8028	an..17	C	CONVEYANCE REFERENCE NUMBER	N	
C220		C	MODE OF TRANSPORT	R	
8067	an..3	C	Mode of transport, coded	R	Use the following codes from UN/ECE Recommendation no.19:
					1 = Maritime transport
					2 = Rail transport
					3 = Road transport
					4 = Air transport
					5 = Mail
					6 = Multimodal transport
8066	an..17	C	Mode of transport	N	
C228		C	TRANSPORT MEANS	N	
8179	an..8	C	Type of means of transport identification		
8178	an..17	C	Type of means of transport		
C040		C	CARRIER	O	
3127	an..17	C	Carrier identification	A	Mutually defined code
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	A	3 = IATA (International Air Transport Association)
					9 = EAN (International Article Numbering association)
					11 = Lloyd's register of shipping
					16 = DUNS (Dun & Bradstreet)
					91 = Assigned by seller or seller's agent
					92 = Assigned by buyer or buyer's agent
					166 = US, National Motor Freight Classification Association
3128	an..35	C	Carrier name	D	Used if no coded name is exchanged in DE 3127
8101	an..3	C	TRANSIT DIRECTION, CODED	N	
C401		C	EXCESS TRANSPORTATION INFORMATION	N	
8457	an..3	M	Excess transportation reason, coded		
8459	an..3	M	Excess transportation responsibility, coded		
7130	an..17	C	Customer authorization number		
C222		C	TRANSPORT IDENTIFICATION	N	
8213	an..9	C	Id. of means of transport identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
8212	an..35	C	Id. of the means of transport		
8453	an..3	C	Nationality of means of transport, coded		
8281	an..3	C	TRANSPORT OWNERSHIP, CODED	N	

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 DI = Distributor's part number Use this code until EDIFACT makes one available. EN = International Article Numbering Association (EAN) MF = Manufacturer's (producer's) article number UP = UPC (Universal product code) 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	9 = EAN (International Article Numbering association) 89 = Assigned by distributor 90 = Assigned by manufacturer 91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent 113 = US, UCC (Uniform Code Council)
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	

PIA   ADDITIONAL PRODUCT ID

Function: A segment providing additional identification numbers for the line item.
Usage   : D..10
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	AA = Product version number
					Release number of a product
					BP = Buyer's part number
					CL = Color number
					CV = Customs article number
					DI = Distributor's part number
					Use this code until EDIFACT makes one
					available.
					DR = Drawing revision number
					DW = Drawing
					EC = Engineering change level
					EN = International Article Numbering
					Association (EAN)
					GS = General specification number
					MF = Manufacturer's (producer's) article
					number
					MN = Model number
					SG = Standard group of products
					(mixed assortment)
					SN = Serial number
					UP = UPC (Universal product code)
					VP = Vendor's (seller's) part number
					VX = Vendor specification number
1131	an..3	C	Code list qualifier	N	
3055	an..3	C	Code list responsible agency, coded	R	9 = EAN (International Article Numbering
					association)
					89 = Assigned by distributor
					90 = Assigned by manufacturer
					91 = Assigned by seller or seller's agent
					92 = Assigned by buyer or buyer's agent
					113 = US, UCC (Uniform Code Council)
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	

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	C = Code (from industry code list)
					F = Free-form
7081	an..3	C	ITEM CHARACTERISTIC, CODED	O	3 = Ship to stock
					26 = Ship to line
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	
7008	an..35	C	Item description	O	
3453	an..3	C	Language, coded	N	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	N	

GIN   GOODS IDENTITY NUMBER

Function: A segment providing identity numbers to be applied to the line item.
Usage   : D..100
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 AAD = Contract addendum number Number assigned by the issuer of a contract addendum ALM = Previous delivery schedule number BO = Blanket order number CT = Contract number GC = Government contract number PR = Price quote number
1154	an..35	C	Reference number	R
1156	an..6	C	Line number	O
4000	an..35	C	Reference version number	N

DTM   DATE/TIME/PERIOD

Function: A segment specifying the date/time of the reference document.
Usage   : D1
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	101 = YYMMDD
					102 = CCYYMMDD
					201 = YYMMDDHHMM
					203 = CCYYMMDDHHMM
					301 = YYMMDDHHMMZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone

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
		58 = Quantity withdrawn
		        Quantity consumed from inventory.
		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	Use the following codes from UN/ECE Recommendation no.20, Codes for Units of Measurement: CLT = centilitre CMT = centimetre GRM = gram KGM = kilogram KMT = kilometre LTR = litre MGM = milligram MMT = millimetre MTK = square metre MTQ = cubic metre MTR = metre PCE = piece Other codes should be previously agreed between trading partners.

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	50 = Goods receipt date/time 158 = Horizon start date 159 = Horizon end date 366 = Inventory report date LSD = Liability start date Date when the customer begins its liability commitment to the supplier for the referenced part number in the forecast. Use this code until UN/EDIFACT makes one available
2380	an..35	C	Date/time/period	R	
2379	an..3	C	Date/time/period format qualifier	R	101 = YYMMDD 102 = CCYYMMDD 201 = YYMMDDHHMM 203 = CCYYMMDDHHMM 301 = YYMMDDHHMMZZZ 303 = CCYYMMDDHHMMZZZ ZZZ = Time zone

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	AAK = Despatch advice number
					IV = Invoice number
					PK = Packing list number
					SRN = Shipment reference number
					TN = Transaction reference number
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	
4000	an..35	C	Reference version number	N	

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	101 = YYMMDD
					102 = CCYYMMDD
					201 = YYMMDDHHMM
					203 = CCYYMMDDHHMM
					301 = YYMMDDHHMMZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone

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'. If trading partners require it, by agreement, DE 6063 could be
          used to identify details of how the scheduled quantities may be changing using the codes
          '18', '21', '85' and '94'.

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	18 = Previous quantity No change 21 = Ordered quantity New quantity 85 = Previous order quantity to be cancelled Cancellation 94 = Substitutional quantity Change to an existing quantity 131 = Delivery quantity
6060	n..15	M	Quantity	M	0 if DE 6063 = 85
6411	an..3	C	Measure unit qualifier	R	Use the following codes from UN/ECE Recommendation no.20, Codes for Units of Measurement: CLT = centilitre CMT = centimetre GRM = gram KGM = kilogram KMT = kilometre LTR = litre MGM = milligram MMT = millimetre MTK = square metre MTQ = cubic metre MTR = metre PCE = piece Other codes should be previously agreed between trading partners.

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 10 = Shipment date/time, requested Date on which goods should be shipped or despatched by the supplier 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	101 = YYMMDD 102 = CCYYMMDD 201 = YYMMDDHHMM 203 = CCYYMMDDHHMM 301 = YYMMDDHHMMZZZ 303 = CCYYMMDDHHMMZZZ ZZZ = Time zone

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

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	101 = YYMMDD
					102 = CCYYMMDD
					201 = YYMMDDHHMM
					203 = CCYYMMDDHHMM
					301 = YYMMDDHHMMZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone

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	

Ref. Rep.	Name	EDIFICE Utilisation
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

NAD   NAME AND ADDRESS

Function: A segment identifying the buyer as the party requesting the certificates, or identifying
         the manufacturer's code, for the line item.
Usage   : M1
Notes   : CO C082 is only used if DE 3035 = 'MF'.

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY QUALIFIER	M	BY = Buyer
					MF = Manufacturer of goods
C082		C	PARTY IDENTIFICATION DETAILS	D	
3039	an..35	M	Party id. identification	M	Manufacturer's code
1131	an..3	C	Code list qualifier	D	
3055	an..3	C	Code list responsible agency, coded	R	To be agreed between trading partners
C058		C	NAME AND ADDRESS	N	
3124	an..35	M	Name and address line		
3124	an..35	C	Name and address line		
3124	an..35	C	Name and address line		
3124	an..35	C	Name and address line		
3124	an..35	C	Name and address line		
C080		C	PARTY NAME	N	
3036	an..35	M	Party name		
3036	an..35	C	Party name		
3036	an..35	C	Party name		
3036	an..35	C	Party name		
3036	an..35	C	Party name		
3045	an..3	C	Party name format, coded		
C059		C	STREET	N	
3042	an..35	M	Street and number/p.o. box		
3042	an..35	C	Street and number/p.o. box		
3042	an..35	C	Street and number/p.o. box		
3042	an..35	C	Street and number/p.o. box		
3164	an..35	C	CITY NAME	N	
3229	an..9	C	COUNTRY SUB-ENTITY IDENTIFICATION	N	
3251	an..9	C	POSTCODE IDENTIFICATION	N	
3207	an..3	C	COUNTRY, CODED	N	

DOC   DOCUMENT/MESSAGE DETAILS

Function: A segment specifying a requested certificate
Usage : M1
Notes :

Ref. Rep. Name	EDIFICE Utilisation
C002 M DOCUMENT/MESSAGE NAME	M
1001 an..3 C Document/message name, coded	R 2 = Certificate of conformity
	861 = Certificate of origin
1131 an..3 C Code list qualifier	N
3055 an..3 C Code list responsible agency, coded	N
1000 an..35 C Document/message name	N
C503 C DOCUMENT/MESSAGE DETAILS	N
1004 an..35 C Document/message number	
1373 an..3 C Document/message status, coded	
1366 an..35 C Document/message source	
3453 an..3 C Language, coded	
3153 an..3 C COMMUNICATION CHANNEL IDENTIFIER, CODED	N
1220 n..2 C NUMBER OF COPIES OF DOCUMENT REQUIRED	O
1218 n..2 C NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	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 – Planning Forecast


```
      BUYER              Planning Forecast          SELLER
```
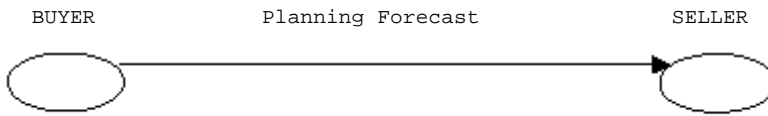

Forecasts are supplied from the buyer to the seller for planning purposes only.

Typically the forecast horizon will be over a longer term, whilst shipments from the seller to the buyer are scheduled over a shorter horizon. Actual deliveries are released based on a separate call off by the buyer.


```
UNH+1+DELFOR:D:97A:UN:EDDF04'
BGM+A::8+5678+9'
DTM+137:19980217:102'
RFF+ALM:5677'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
NAD+SE+ABC SUPPLIES::91'
CTA+PD+:PETER SMITH'
COM+0756-551459:TE'
GIS+ZZZ'
NAD+DP+MAGIMAX STORES LTD::92'
LIN+1++ABC00071:BP::92'
PIA+1+ACT2T:VP::91'
QTY+3:1000:PCE'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980316:102'
DTM+159:19980322:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980323:102'
DTM+159:19980329:102'
UNT+23+1'
```

EXAMPLE 2 –   Planning Forecast with Embedded Release
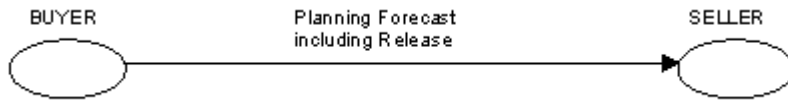
The buyer supplies a regular nett planning forecast, against which the seller manufactures goods ready for shipment. Actual deliveries are released based on firm calloff requirements included alongside the delivery forecast information.

In this scenario, typically, the forecast may be weekly, and the requirement includes the firm short-term deliveries which may be for one or more times in the week.

EDIFICE recommends that the horizon of firm requirements embedded in the message is kept short, otherwise a more conventional ordering model should be used.

```
UNH+1+DELFOR:D:97A:UN:EDDF04'
BGM+D::8+5678+9'
DTM+137:19980217:102'
RFF+ALM:5677'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
NAD+SE+ABC SUPPLIES::91'
CTA+PD+:PETER SMITH'
COM+0756-551459:TE'
GIS+ZZZ'
NAD+DP+MAGIMAX STORES LTD::92'
LIN+1++ABC00071:BP::92'
PIA+1+ACT2T:VP::91'
QTY+3:1500:PCE'
SCC+1'
QTY+131:500:PCE'
DTM+2:19980225:102'
RFF+ON:6785432:1'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980316:102'
DTM+159:19980322:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980323:102'
DTM+159:19980329:102'
UNT+27+1'
```

EXAMPLE 3 - Supplier Managed Inventory (SMI)
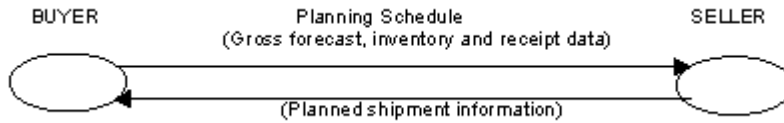
This is the standard Supplier Managed Inventory scenario.

The buyer supplies regular gross forecasts, updated inventory target information, actual on-hand inventory and details of last receipts. The seller then calculates required shipments to meet the production and inventory needs, and schedules shipments accordingly.
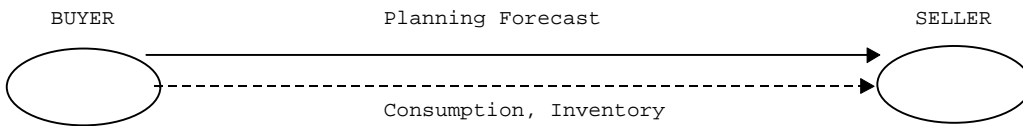
The seller may provide information on planned shipments for the buyer to monitor and to plan goods inwards facilities.

One single message, DELFOR, from buyer to seller, is recommended for synchronisation of data and ease of processing.

* Inventory targets e.g. maximum/minimum levels, could be agreed and defined externally, in the supplier's processing application, rather than in every message.

```
UNH+1+DELFOR:D:97A:UN:EDDF04'
BGM+G::8+5678+9'
DTM+137:19980217:102'
RFF+ALM:5677'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
NAD+SE+ABC SUPPLIES::91'
CTA+PD+:PETER SMITH'
COM+0756-551459:TE'
GIS+ZZZ'
NAD+DP+MAGIMAX STORES LTD::92'
LIN+1++ABC00071:BP::92'
PIA+1+ACT2T:VP::91'
RFF+BO:6785432:1'
QTY+145:10123:PCE'
DTM+366:19980217:102'
QTY+97:7500:PCE'
QTY+98:15000:PCE'
QTY+48:1000:PCE'
DTM+50:19980218:102'
RFF+AAK:DA1234'
QTY+3:1000:PCE'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980316:102'
DTM+159:19980322:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980323:102'
DTM+159:19980329:102'
UNT+31+1'
```

EXAMPLE 4 – Planning Forecast with Consignment Stock

```
      BUYER                   Planning Forecast              SELLER
        ___                                                    ___
      /     \    ───────────────────────────────────────►    /     \
     |       |                                               |       |
      \ ___ /    - - - - - - - - - - - - - - - - - - - ►      \ ___ /
                          Consumption, Inventory
```

The buyer provides regular forecasts of nett requirements, to ship into stock on the buyer's
premises. The buyer manages the inventory levels/replenishment within parameters agreed with the
seller: the inventory is still the property of the seller. Actual shipments may be made on the basis
of firm order requirements embedded within the forecast message.

Consumption is reported by the buyer as a basis for the seller to keep track of the inventory and to
raise invoices or check self-billing invoices.

Inventory information is supplied by the buyer as required, for audit/reconciliation purposes. This
would include the last receipt details for reconciliation with goods in transit from the seller.

Note: this is NOT SMI.

DELFOR messages are typically weekly, but if consumption is reported on a more frequent basis (for
example, daily) then the INVRPT message may be more appropriate.


```
UNH+1+DELFOR:D:97A:UN:EDDF04'
BGM+E::8+5678+9'
DTM+137:19980217:102'
RFF+ALM:5677'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
NAD+SE+ABC SUPPLIES::91'
CTA+PD+:PETER SMITH'
COM+0756-551459:TE'
GIS+ZZZ'
NAD+DP+MAGIMAX STORES LTD::92'
LIN+1++ABC00071:BP::92'
PIA+1+ACT2T:VP::91'
QTY+145:10123:PCE'
DTM+366:19980217:102'
QTY+48:5629:PCE'
DTM+50:19980218:102'
RFF+AAK:DA1234'
QTY+58:6643:PCE'
RFF+TN:12345'
QTY+3:1500:PCE'
SCC+1'
QTY+131:500:PCE'
DTM+2:19980225:102'
RFF+ON:6785432:1'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980316:102'
DTM+159:19980322:102'
SCC+4'
QTY+131:500:PCE'
DTM+158:19980323:102'
DTM+159:19980329:102'
UNT+34+1'
```