The Global Network for B2B Integration in High Tech Industries

EDIFICE Message Implementation Guideline
Blanket Purchase Order

ORDERS Issue EDBO10

Endorsed on 15 June 2011

Based on UN/EDIFACT D.10A ORDERS message

EDIFICE ORDERS D.10A EDBO10
Based on UN/ED D.10A S4-D.10A ORDERS
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COMPARISON TO PREVIOUS ISSUE

Issue EDBO10 of 1 June 2011: Upgrade to UN/EDIFACT Directory D.10A

The only structural change that occurs is the renumbering of the Segment Groups from SG29 onwards : A group of segments providing ordering details of the individual line items i.e. ordered products for delivery or services.

EDIFICE recommends to make use of EDIFACT code lists.
1. Where possible the earlier references to UN/ECE Recommendations were removed and EDIFACT qualifiers are used instead.
2. A number of EDIFICE defined qualifiers were replaced with relevant EDIFACT qualifiers or were completely removed when not in use. In some cases new EDIFICE qualifiers were defined since the old qualifiers have been included in the EDIFACT code list with a different definition

The summary of all qualifier changes in this MIG is listed below:

Place	EDIFICE Code (*)	Replaced with EDIFACT code/EDIFICE code (*)/Removed/Added
All DTM-2005	X03=CCYYMMDDHHMMZZZZZ (*) X04=CCYYMMDDHHMMSSZZZZZ (*)	205=CCYYMMDDHHMMZHHMM Removed
SG32-PRI-5375	CP=Current Price (*)	Removed

Issue EDBO04 of 1 June 2005:
 - Upgrade to UN/EDIFACT Code list D.04B
 Replacement of EDIFICE codes with standard codes.
 - SG34 - PAC - DE 7065:
   'CN' Container replaced with 'CN' Container, not otherwise specified as transport equipment
   'PE' Pallet replaced with 'PX' Pallet

12 May 2004 : EDIFIX 5.0 Technical Upgrade
- The 'KMT' qualifier in SEG QTY and PRI DE 6411 is now defined as (*) EDIFICE code. UN/ECE Recommendation 20 specifies 'KTM' as qualifier for 'kilometre'.

03 November 2003 : Correction of SG Structure. This change does not affect the functionality of the message, it only affects the documentation.
    SG28 LIN-PIA-IMD-QTY-ALI-**FTX**-SG32-SG33-SG34-SG38-SG39 - Changed to SG28 LIN-PIA-IMD-QTY-ALI-SG32-SG33-SG34-SG38-SG39

21 May 2003: EDIFIX 4.2 Technical upgrade; review and correction of examples

Issue EDBO03 of 13 November 2002 is based on UN/EDIFACT D97.A / Code List D01.A
- Addition of the following code value:
    SG28, LIN segment, CO C212, DE 7143 codes 'SRV' EAN.UCC Global Trade Item Number
    SG28, PIA segment, CO C212, DE 7143 codes 'SRV' EAN.UCC Global Trade Item Number

Issue EDBO02; Publication date 29 May 2002 – addition of recommended set of DTM qualifiers

Issue EDBO02 includes the changes that have been made to the issue 1 of the Blanket Order document endorsed by the EDIFICE Plenary on 6 September 1993. 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
    SG2, NAD segment, DE 3035, code 'AK' Acknowledgement recipient
    SG2, NAD segment, DE 3055, code '16' DUNS (Dun & Bradstreet)
    SG5, COM segment, DE 3155, code 'EM' Electronic mail
    SG28, LIN segment, DE 7143, codes 'DI' Distributor's part number
                    'MF' Manufacturer's (producer's) article number and
                    'UP' UPC (Universal product code)
    SG28, LIN segment, DE 3055, codes '89' Assigned by distributor
                    '90' Assigned by manufacturer and
                    '113' US, UCC (Uniform Code Council)
    SG28, PIA segment, DE 7143, codes 'AA' Product version number
                    'CL' Color number

'DI' Distributor's part number
'MF' Manufacturer's (producer's) article number
'MN' Model number
'SN' Serial number and
'UP' UPC (Universal product code)
SG28, PIA segment, DE 3055, codes '89' Assigned by distributor
'90' Assigned by manufacturer and
'113' US, UCC (Uniform Code Council)
SG28, IMD segment, DE 7081, code '26' Ship to line
SG32, PRI segment, DE 5375, code 'DI' Distributor
SG33, RFF segment, DE 1153, code 'GC' Government contract number
SG34, PAC segment, CO C202, DE 3055, code '116' US, ANSI ASC X12,

- Addition of the following segment groups/segment:
SG1, DTM segment
SG3
SG33, DTM segment
SG34, QTY segment
SG38
SG39,

- Replacement of the following codes:
SG6, TAX segment, DE 5283, code '9' to '7' Tax
SG32, PRI segment, CO C509, DE 5125, code 'CAL' to 'AAA' Calculation net,

- Deletion of the following code values:
SG5, COM segment, DE 3155, code 'TL' Telex
SG28, PIA segment, DE 7143, code 'CCM' COCOM list number,

- Usage changed for the following segment groups/segments/data elements:
BGM segment, DE 1225, X to A
SG1, D..2 to A..3
SG2, R..5 to R..6
SG5, COM segment, R..3 to O..3
SG5, CTA segment, CO C056, DE 3412, A to D
SG6, TAX segment, CO C243, X to D
SG6, TAX segment, DE 5305, X to R
SG6, TAX segment, DE 3446, R to X
SG28, R..200000 to R..9999
SG28, PIA segment, D..12 to D..10
SG28, IMD segment, DE 7077, X to D
SG28, IMD segment, DE 7081, R to O
SG28, IMD segment, CO C273, X to D
SG33, R..4 to R..5
SG34, PAC segment, CO C202, DE 3055, X 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,
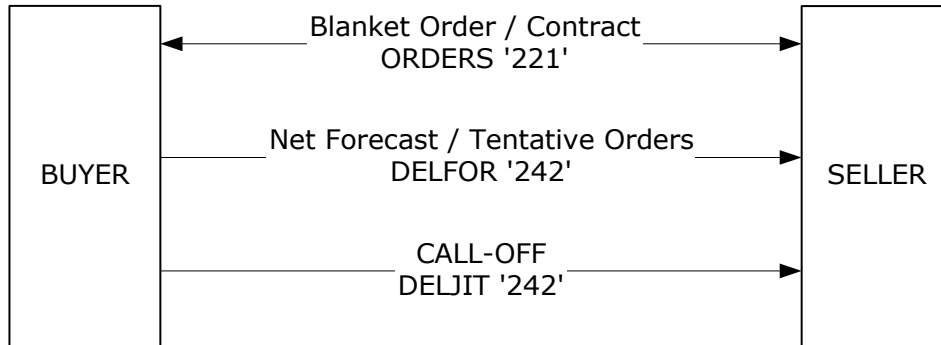
- Update of examples,

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

- Correction of typographical errors.

EDIFICE FUNCTIONAL DEFINITION

The Blanket Order is part of a business cycle which includes forecast, and call-off activities. It will normally be used where trading partners have a stable trading environment, and multiple deliveries of stable product requirements exist. The Blanket Order will order goods over an extended time period but where requirements such as schedules and locations for delivery are not known. This information should be transmitted using Forecast/Call-Off (DELFOR) or JIT-Delivery (DELJIT) messages, or by non-EDI means or by a combination of these.

```
┌─────────┐                                          ┌─────────┐
│         │   ◄──── Blanket Order / Contract ────     │         │
│         │         ORDERS '221'                       │         │
│         │                                            │         │
│  BUYER  │   ──── Net Forecast / Tentative Orders ─►  │ SELLER  │
│         │         DELFOR '242'                        │         │
│         │                                            │         │
│         │   ──────── CALL-OFF ──────────────────►    │         │
│         │         DELJIT '242'                        │         │
└─────────┘                                          └─────────┘
```

It should be noted that that the Blanket Order is a specific implementation of the UN/EDIFACT ORDERS message.

The Blanket Order establishes the procurement relationship between the trading partners, allowing them to implement the forecast and call-off activity and to carry out payment cycle activities by providing the order number.

Trading partners must agree the point of commitment to purchase specific quantities of products prior to using a Blanket Order. The point of commitment may be at the Blanket Order stage, or it may be later in the business cycle, for example a defined number of weeks prior to delivery, which would be communicated in the Forecast/Call-Off (DELFOR) message.

The Blanket Order can be used in three different ways:

1. For ordering parts for delivery over a defined extended period of time (e.g. 1 year). The Blanket Order ceases to be effective at the end of the time period. The Blanket Order must at least contain statements of the description and time period of the order. Where possible the price should be contained within the message.
2. For ordering a defined quantity of product for delivery over an undefined extended time period (e.g. 100,000 pieces estimated as 2 years requirement). The Blanket Order ceases to be effective when the 100,000 pieces are delivered. The Blanket Order must at least contain statements of the description and the quantity of goods to be ordered. Where possible the price should be contained within the message.
3. For ordering a defined quantity of product for delivery over a defined time period (e.g. 100,000 pieces within 1 year). The defined quantity must be delivered within the time period. The Blanket Order contains the information required in both Use 1 and Use 2 above.

The Blanket Order may contain one or multiple line items.

The EDIFICE implementation guideline for the utilisation of the EDIFACT ORDERS message assumes that a business agreement exists, which defines all standard, basic trading terms and conditions as agreed between the two parties. As such a Blanket Order always constitutes a business transaction under this agreement, to which it will refer for basic terms and conditions.

The following additional principles apply:

- All Blanket Orders should have a unique document number assigned by the buyer and this must be sent in the BGM segment.
- The buyer's and seller's identification must always be present in the message, and this information must be sent in the NAD segment.
- One item number (Product Number) agreed to be the primary reference number between the buyer and the seller should be used to identify the item being ordered. Only if a service is ordered for which no code identification exists, may the primary reference be replaced by an item description.
- Data at detail level will not override data at header level.

REFERENCES

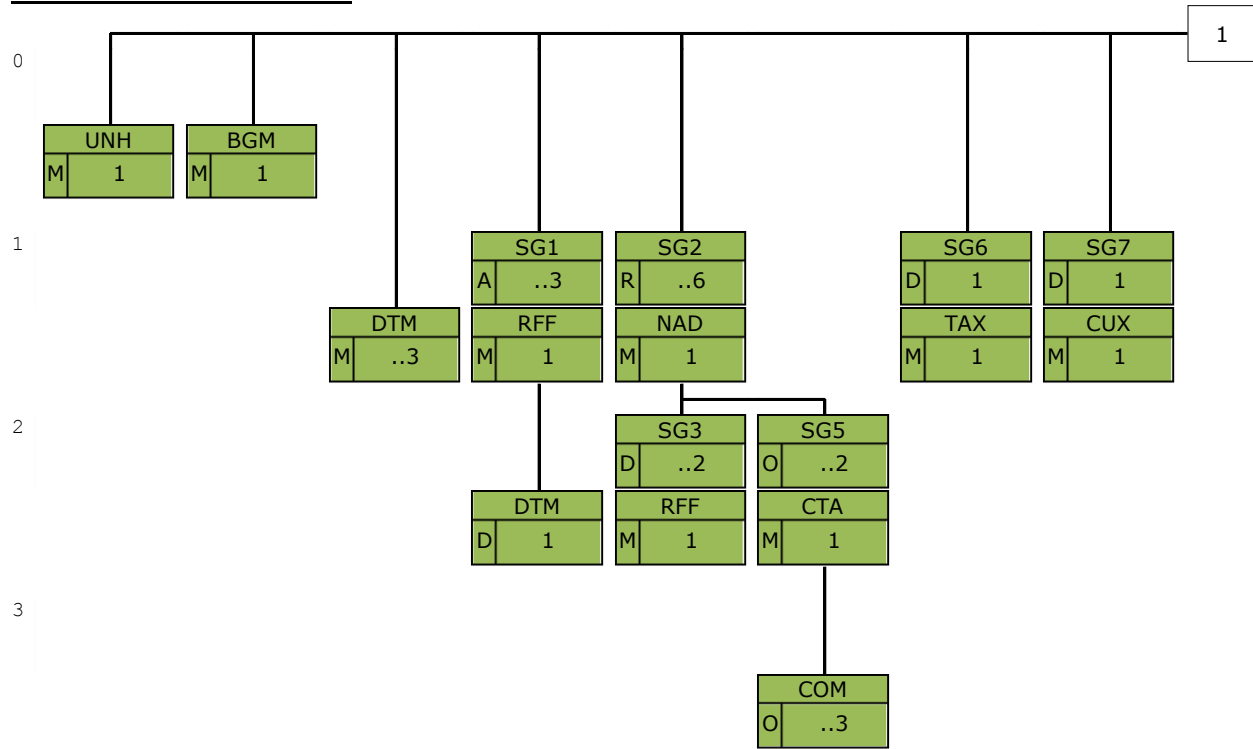Refer to the document : Reference list for the EDIFICE message guidelines – Issue 1
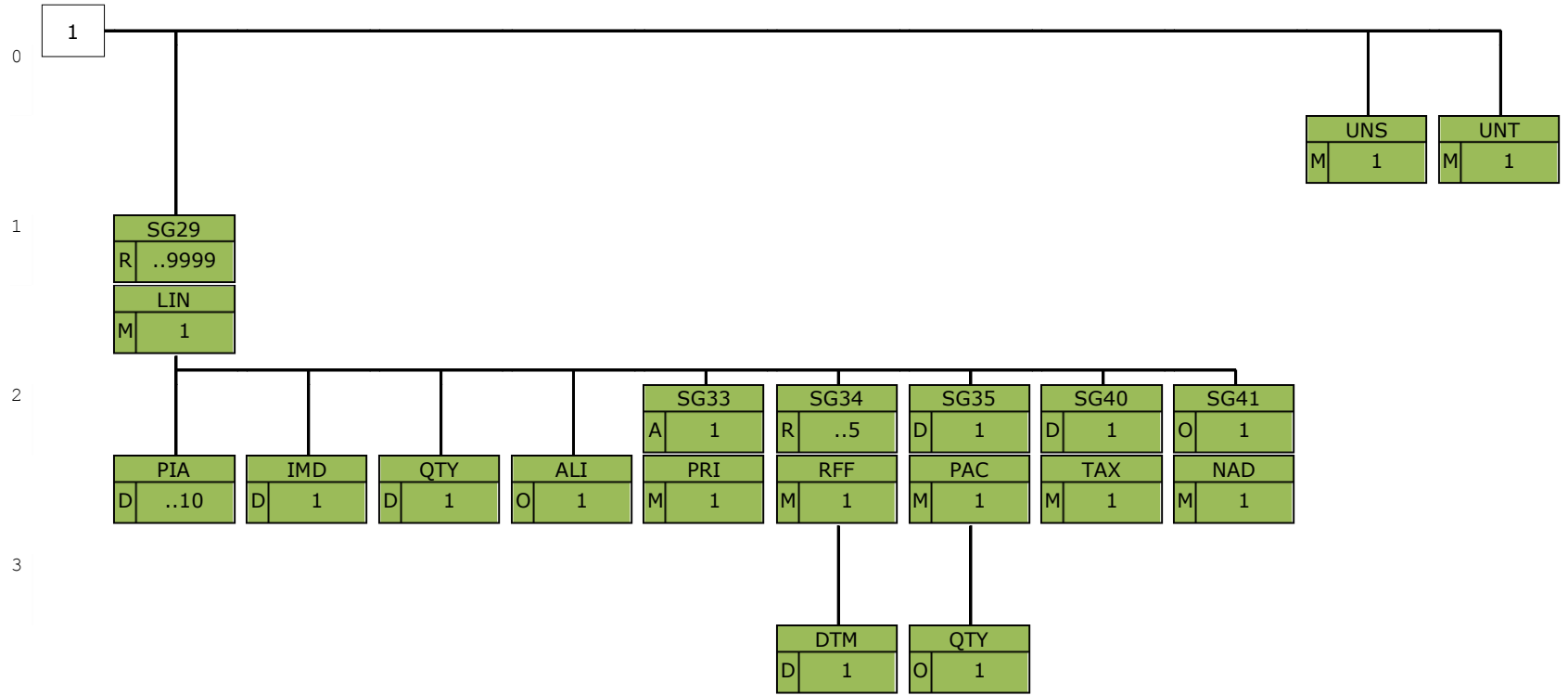
EXPLANATORY NOTES

Refer to the document : Explanatory notes for the EDIFICE message guidelines – Issue 1

MESSAGE STRUCTURE CHART

UNH	Message header	M 1	
BGM	Beginning of message	M 1	
DTM	Date/time/period	M ..3	
SG1		A ..3	
RFF	Reference	M 1	
DTM	Date/time/period	D 1	
SG2		R ..6	
NAD	Name and address	M 1	
SG3		D ..2	
RFF	Reference	M 1	
SG5		O ..2	
CTA	Contact information	M 1	
COM	Communication contact	O ..3	
SG6		D 1	
TAX	Duty/tax/fee details	M 1	
SG7		D 1	
CUX	Currencies	M 1	
SG29		R ..9999	
LIN	Line item	M 1	
PIA	Additional product id	D ..10	
IMD	Item description	D 1	
QTY	Quantity	D 1	
ALI	Additional information	O 1	
SG33		A 1	
PRI	Price details	M 1	
SG34		R ..5	
RFF	Reference	M 1	
DTM	Date/time/period	D 1	
SG35		D 1	
PAC	Package	M 1	
QTY	Quantity	O 1	
SG40		D 1	
TAX	Duty/tax/fee details	M 1	
SG41		O 1	
NAD	Name and address	M 1	
UNS	Section control	M 1	
UNT	Message trailer	M 1	

BRANCHING DIAGRAM

1		

0

UNH		BGM	
M	1	M	1

1

DTM		SG1		SG2		SG6		SG7	
		A	..3	R	..6	D	1	D	1
M	..3								

DTM		RFF		NAD		TAX		CUX	
M	..3	M	1	M	1	M	1	M	1

2

SG3		SG5	
D	..2	O	..2

DTM		RFF		CTA	
D	1	M	1	M	1

3

COM	
O	..3

```
1
```

0

UNS		UNT	
M	1	M	1

1

SG29	
R	..9999

LIN	
M	1

2

PIA		IMD		QTY		ALI		SG33		SG34		SG35		SG40		SG41	
D	..10	D	1	D	1	O	1	A	1	R	..5	D	1	D	1	O	1

								PRI		RFF		PAC		TAX		NAD	
								M	1	M	1	M	1	M	1	M	1

3

DTM		QTY	
D	1	O	1

SEGMENT DESCRIPTION

UNH   Message header

Function: A service segment heading, and uniquely identifying the message.
Usage: M 1

BGM   Beginning of message

Function: A segment uniquely identifying the message by means of its coded name, number and function.
Usage: M 1

DTM   Date/time/period

Function: A segment specifying the date of creation of the message and, other dates relevant to the whole message.
Usage: M..3

SG1   RFF-DTM

Function: A group of segments referencing documents and their dates, relating to the whole message.
Usage: A ..3
Notes: One RFF segment specifying contract or quote 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.
Usage: M 1

DTM   Date/time/period

Function: A segment specifying the date of the reference document.
Usage: D 1

SG2   NAD-SG3-SG5

Function: A group of segments identifying the parties involved and their associated information, relevant to the whole message.
Usage: R ..6
Notes: The NAD segments that identify the buyer and seller must be present.
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: M 1

SG3   RFF

Function: A group of segments giving references relating to the identified buying party involved.
Usage: D..2
Notes:

RFF   Reference

Function: A segment specifying a company specific reference.
Usage: M 1

SG5   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: M 1

COM **Communication contact**

Function: A segment identifying a communications type and number.
Usage: O ..3

SG6 **TAX**

Function: A group of segments specifying tax related information, applicable to the whole message.
Usage: D 1
Notes: Used if country law requires tax to be specified.

TAX **Duty/tax/fee details**

Function: A segment specifying Value Added Tax, category and rate.
Usage: M 1

SG7 **CUX**

Function: A group of segments specifying the currency, valid for the whole message.
Usage: D 1
Notes: The currency must be specified if prices and/or amounts are sent.

CUX **Currencies**

Function: A segment specifying the order currency for all prices and/or amounts.
Usage: M 1

SG29 **LIN-PIA-IMD-QTY-ALI-SG33-SG34-SG35-SG40-SG41**

Function: A group of segments providing ordering details of the individual line items i.e. ordered products for delivery or services.
Usage: R ..9999
Notes: The PIA segment is dependent on whether the primary reference to the line item being ordered 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. It may also be used for items that can not be identified by a code or article number.
The QTY segment is used if a definite quantity for delivery needs to be specified.
SG35 is used to specify any alternative packaging methods which have been agreed between trading partners.
SG40 is used if country law requires tax to be specified.

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: M 1

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: D 1

QTY **Quantity**

Function: A segment specifying the total quantity for delivery for the line item.
Usage: D 1

ALI **Additional information**

Function: A segment indicating the country of origin for the line item.
Usage: O 1

SG33   PRI

Function: A group of segments specifying pricing information for the line item.
Usage: A 1
Notes:

PRI   Price details

Function: A segment specifying the line item price and the qualifying information.
Usage: M 1

SG34   RFF-DTM

Function: A group of segments specifying references for the line item.
Usage: R ..5
Notes: 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 the line item reference number as given by the buyer, or a document reference
             number.
Usage: M 1

DTM   Date/time/period

Function: A segment specifying the date of the reference document.
Usage: D 1

SG35   PAC-QTY

Function: A group of segments specifying product packaging information.
Usage: D 1
Notes:

PAC   Package

Function: A segment specifying the product package type.
Usage: M 1

QTY   Quantity

Function: A segment specifying the number of products contained in the package type.
Usage: O 1

SG40   TAX

Function: A group of segments specifying tax related information for the line item.
Usage: D 1
Notes:

TAX   Duty/tax/fee details

Function: A segment specifying Value Added Tax, category and rate for the line item.
Usage: M 1

SG41   NAD

Function: A group of segments identifying the parties involved and their associated information, for the line item.
Usage: O 1
Notes: SG41 is only used when DE 3035 in NAD = 'BY'.

NAD   Name and address

Function: A segment identifying the manufacturer's code, for the line item.
Usage: M 1

UNS   Section control

Function: A service segment separating detail and summary section.
Usage: M 1

UNT   **Message trailer**

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage: M 1

SEGMENT DETAILS

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 EDSS10

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	M	**ORDERS** = Purchase order message
0052	an..3	M	Message version number	M	**D** = Draft version/UN/EDIFACT Directory
0054	an..3	M	Message release number	M	**10A** = Release 2010 - A
0051	an..3	M	Controlling agency, coded	M	**UN** = UN/CEFACT
0057	an..6	C	Association assigned code	R	**EDBO10** = Blanket Order Issue EDBO10
0110	an..6	C	Code list directory version number	N	
0113	an..6	C	Message type sub-function identification	N	
0068	an..35	C	COMMON ACCESS REFERENCE	N	
S010		C	STATUS OF THE TRANSFER	N	
0070	n..2	M	Sequence of transfers	N	
0073	a1	C	First and last transfer	N	
S016		C	MESSAGE SUBSET IDENTIFICATION	N	
0115	an..14	M	Message subset identification	N	
0116	an..3	C	Message subset version number	N	
0118	an..3	C	Message subset release number	N	
0051	an..3	C	Controlling agency, coded	N	
S017		C	MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION	N	
0121	an..14	M	Message implementation guideline identification	N	
0122	an..3	C	Message implementation guideline version number	N	
0124	an..3	C	Message implementation guideline release number	N	
0051	an..3	C	Controlling agency, coded	N	
S018		C	SCENARIO IDENTIFICATION	N	
0127	an..14	M	Scenario identification	N	
0128	an..3	C	Scenario version number	N	
0130	an..3	C	Scenario release number	N	
0051	an..3	C	Controlling agency, coded	N	

BGM**Beginning of message**

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

Ref.	Rep.		Name		EDIFICE Utilisation
C002		C	DOCUMENT/MESSAGE NAME	R	
1001	an..3	C	Document name code	R	**221** = Blanket order
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
1000	an..35	C	Document name	N	
C106		C	DOCUMENT/MESSAGE IDENTIFICATION	R	
1004	an..70	C	Document identifier	R	Blanket order number
1056	an..9	C	Version identifier	N	
1060	an..6	C	Revision identifier	N	
1225	an..3	C	MESSAGE FUNCTION CODE	A	**9** = Original
4343	an..3	C	RESPONSE TYPE CODE	N	

DTM   Date/time/period

Function: A segment specifying the date of creation of the message and, other dates relevant to the whole message.
Usage   :   M..3
Notes   :   It is required to specify the date of creation of the message.

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date or time or period function code qualifier	M	**137** = Document issue date time *Document Creation date* **158** = Horizon start date **159** = Horizon end date
2380	an..35	C	Date or time or period text	R	
2379	an..3	C	Date or time or period format code	R	**102** = CCYYMMDD **203** = CCYYMMDDHHMM **205** = CCYYMMDDHHMMZHHMM *Replaces EDIFICE code* *X03=CCYYMMDDHHMMZZZZZ* **303** = CCYYMMDDHHMMZZZ *ZZZ = Time zone* **304** = CCYYMMDDHHMMSSZZZ *ZZZ = Time zone*

SG1   RFF-DTM

RFF   Reference

Function: A segment specifying a document reference number.
Usage   :   M1
Notes   :

Ref. Rep. Name		EDIFICE Utilisation
C506 M REFERENCE	M	
1153 an..3 M Reference code qualifier	M	**AAD** = Contract document addendum identifier
		CT = Contract number
		GC = Government contract number
		PR = Price quote number
1154 an..70 C Reference identifier	R	
1156 an..6 C Document line identifier	N	
1056 an..9 C Version identifier	N	
1060 an..6 C Revision identifier	N	

SG1   RFF-DTM

DTM   Date/time/period

Function: A segment specifying the date of the reference document.
Usage :   D 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date or time or period function code qualifier	M	**171** = Reference date/time
2380	an..35	C	Date or time or period text	R	
2379	an..3	C	Date or time or period format code	R	**102** = CCYYMMDD
					203 = CCYYMMDDHHMM
					205 = CCYYMMDDHHMMZHHMM
					Replaces EDIFICE code
					X03=CCYYMMDDHHMMZZZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone
					304 = CCYYMMDDHHMMSSZZZ
					ZZZ = Time zone

SG2   NAD-SG3-SG5

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 FUNCTION CODE QUALIFIER	M	**AK** = Acknowledgement recipient
					BY = Buyer
					DP = Delivery party
					FW = Freight forwarder
					IV = Invoicee
					SE = Seller
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..35	M	Party identifier	M	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	**9** = GS1
					16 = US, D&B (Dun & Bradstreet Corporation)
					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 description	M	
3124	an..35	C	Name and address description	O	
3124	an..35	C	Name and address description	O	
3124	an..35	C	Name and address description	O	
3124	an..35	C	Name and address description	O	
C080		C	PARTY NAME	D	
3036	an..70	M	Party name	M	
3036	an..70	C	Party name	O	
3036	an..70	C	Party name	O	
3036	an..70	C	Party name	O	
3036	an..70	C	Party name	O	
3045	an..3	C	Party name format code	N	
C059		C	STREET	D	
3042	an..35	M	Street and number or post office box identifier	M	
3042	an..35	C	Street and number or post office box identifier	O	
3042	an..35	C	Street and number or post office box identifier	O	
3042	an..35	C	Street and number or post office box identifier	O	
3164	an..35	C	CITY NAME	D	
C819		C	COUNTRY SUBDIVISION DETAILS	C	
3229	an..9	C	Country subdivision identifier	D	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
3228	an..70	C	Country subdivision name	N	
3251	an..17	C	POSTAL IDENTIFICATION CODE	D	
3207	an..3	C	COUNTRY IDENTIFIER	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 code qualifier	M	**VA** = VAT registration number
		GN = Government reference number
1154 an..70 C Reference identifier	R	
1156 an..6 C Document line identifier	N	
1056 an..9 C Version identifier	N	
1060 an..6 C Revision identifier	N	

SG5   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 CODE	R	**PD** = Purchasing contact **SC** = Schedule contact
C056		C	CONTACT DETAILS	R	If a code is available use DE 3413, otherwise use DE 3412.
3413	an..17	C	Contact identifier	D	
3412	an..256	C	Contact name	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 address identifier	M	
3155	an..3	M	Communication means type code	M	**EM** = Electronic mail **FX** = Telefax **TE** = Telephone

SG6   TAX

TAX   Duty/tax/fee details

Function: A segment specifying Value Added Tax, category and rate.
Usage   :   M1
Notes   :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M	**7** = Tax
C241		C	DUTY/TAX/FEE TYPE	R	
5153	an..3	C	Duty or tax or fee type name code	R	**VAT** = Value added tax
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5152	an..35	C	Duty or tax or fee type name	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty or tax or fee account code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5286	an..15	C	DUTY OR TAX OR FEE ASSESSMENT BASIS QUANTITY	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty or tax or fee rate code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5278	an..17	C	Duty or tax or fee rate	R	Tax rate
5273	an..12	C	Duty or tax or fee rate basis code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5305	an..3	C	DUTY OR TAX OR FEE CATEGORY CODE	R	**AA** = Lower rate VAT at a lower rate than standard rate **E** = Exempt from tax **S** = Standard rate **Z** = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFIER	N	
1227	an..3	C	CALCULATION SEQUENCE CODE	N	
5307	an..3	C	TAX OR DUTY OR FEE PAYMENT DUE DATE CODE	N	

SG7   CUX

CUX   Currencies

Function: A segment specifying the order currency for all prices and/or amounts.
Usage   :   M1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
C504		C	CURRENCY DETAILS	R	
6347	an..3	M	Currency usage code qualifier	M	**2** = Reference currency
6345	an..3	C	Currency identification code	R	Use ISO 4217, 3 alpha code
6343	an..3	C	Currency type code qualifier	R	**9** = Order currency
6348	n..4	C	Currency rate	N	
C504		C	CURRENCY DETAILS	N	
6347	an..3	M	Currency usage code qualifier	N	
6345	an..3	C	Currency identification code	N	
6343	an..3	C	Currency type code qualifier	N	
6348	n..4	C	Currency rate	N	
5402	n..12	C	CURRENCY EXCHANGE RATE	N	
6341	an..3	C	EXCHANGE RATE CURRENCY MARKET IDENTIFIER	N	

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 IDENTIFIER	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 CODE	N	
C212		C	ITEM NUMBER IDENTIFICATION	A	
7140	an..35	C	Item identifier	R	Primary reference
7143	an..3	C	Item type identification code	R	**BP** = Buyer's part number **EN** = International Article Numbering Association (EAN) **MF** = Manufacturer's (producer's) article number **SRV** = EAN.UCC Global Trade Item Number **SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number* **UP** = UPC (Universal product code) **VP** = Vendor's (seller's) part number
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	**9** = GS1 **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** = GS1 US
C829		C	SUB-LINE INFORMATION	N	
5495	an..3	C	Sub-line indicator code	N	
1082	an..6	C	Line item identifier	N	
1222	n..2	C	CONFIGURATION LEVEL NUMBER	N	
7083	an..3	C	CONFIGURATION OPERATION CODE	N	

SG29   LIN-PIA-IMD-QTY-ALI-SG33-SG34-SG35-SG40-SG41

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 IDENTIFIER CODE QUALIFIER	M	**1** = Additional identification
C212		M	ITEM NUMBER IDENTIFICATION	M	
7140	an..35	C	Item identifier	R	
7143	an..3	C	Item type identification code	R	**AA** = Product version number *Release number of a product* **BP** = Buyer's part number **CL** = Colour number **CV** = Customs article number **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 **SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number* **SRV** = EAN.UCC Global Trade Item Number **UP** = UPC (Universal product code) **VP** = Vendor's (seller's) part number **VX** = Vendor specification number
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	**9** = GS1 **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** = GS1 US
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item identifier	R	
7143	an..3	C	Item type identification code	R	**SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number*
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item identifier	R	
7143	an..3	C	Item type identification code	R	**SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number*
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item identifier	R	
7143	an..3	C	Item type identification code	R	**SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number*
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	R	
C212		C	ITEM NUMBER IDENTIFICATION	O	As for first CO C212
7140	an..35	C	Item identifier	R	

Ref.	Rep.		Name		EDIFICE Utilisation
7143	an..3	C	Item type identification code	R	**SSS** = Distributor's article identifier *Replaces EDIFICE code DI=Distributor's part number*
1131	an..17	C	Code list identification code	O	
3055	an..3	C	Code list responsible agency code	R	

IMD

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 :   D 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
7077	an..3	C	DESCRIPTION FORMAT CODE	D	**C** = Code (from industry code list)
					F = Free-form
C272		C	ITEM CHARACTERISTIC	C	
7081	an..3	C	Item characteristic code	O	**3** = Ship to stock
					26 = Ship to line
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	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 code	A	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
7008	an..256	C	Item description	D	
7008	an..256	C	Item description	O	
3453	an..3	C	Language name code	N	
7383	an..3	C	SURFACE OR LAYER CODE	N	

SG29   LIN-PIA-IMD-QTY-ALI-SG33-SG34-SG35-SG40-SG41

QTY   Quantity

Function: A segment specifying the total quantity for delivery for the line item.
Usage   : D 1
Notes   : The quantity is the total line item quantity to be delivered according to instructions to be transmitted either
           by the DELFOR or DELJIT messages or by non-EDI means, or a combination of these.

Ref. Rep. Name	EDIFICE Utilisation

C186   M   QUANTITY DETAILS
  6063 an..3   M   Quantity type code qualifier
  6060 an..35 M   Quantity
  6411 an..8   C   Measurement unit code
	M
	M **21** = Ordered quantity
	M
	R **CLT** = centilitre
	    CMT = centimetre
	    GRM = gram
	    H87 = piece
	    KGM = kilogram
	    LTR = litre
	    MGM = milligram
	    MMT = millimetre
	    MTK = square metre
	    MTQ = cubic metre
	    MTR = metre
	    PCE = piece (*)
	        EDIFICE Code 'PCE' is widely adopted by
	        membership and preferred over the EDIFACT
	        code 'H87'
	(*) EDIFICE code
	Other codes should be previously agreed between
	trading partners.

SG29   LIN-PIA-IMD-QTY-ALI-SG33-SG34-SG35-SG40-SG41

ALI   Additional information

Function: A segment indicating the country of origin for the line item.
Usage   :   O 1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
3239	an..3	C	COUNTRY OF ORIGIN IDENTIFIER	R	Use ISO 3166, 2 alpha code
9213	an..3	C	DUTY REGIME TYPE CODE	N	
4183	an..3	C	SPECIAL CONDITION CODE	N	
4183	an..3	C	SPECIAL CONDITION CODE	N	
4183	an..3	C	SPECIAL CONDITION CODE	N	
4183	an..3	C	SPECIAL CONDITION CODE	N	
4183	an..3	C	SPECIAL CONDITION CODE	N	

SG33   PRI

PRI   Price details

Function: A segment specifying the line item price and the qualifying information.
Usage   :   M1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
C509		C	PRICE INFORMATION	R	
5125	an..3	M	Price code qualifier	M	**AAA** = Calculation net
5118	n..15	C	Price amount	R	
5375	an..3	C	Price type code	R	**CA** = Catalogue
					CT = Contract
					DI = Distributor
					PV = Provisional price
					QT = Quoted
5387	an..3	C	Price specification code	N	
5284	n..9	C	Unit price basis quantity	R	
6411	an..8	C	Measurement unit code	R	**CLT** = centilitre
					CMT = centimetre
					GRM = gram
					H87 = piece
					KGM = kilogram
					LTR = litre
					MGM = milligram
					MMT = millimetre
					MTK = square metre
					MTQ = cubic metre
					MTR = metre
					PCE = piece (*)
					EDIFICE Code 'PCE' is widely adopted by membership and preferred over the EDIFACT code 'H87'
					(*) EDIFICE code, not included in UN/ECE Recommendation No. 20
					Other codes should be previously agreed between trading partners.
5213	an..3	C	SUB-LINE ITEM PRICE CHANGE OPERATION CODE	N	

RFF   **Reference**

Function: A segment specifying the line item reference number as given by the buyer, or a document reference number.

Usage : M1

Notes : Where the buyer's line item reference number is to be specified use DE 1156 qualified by code 'LI' in DE 1153.

           For all other references use DE 1154 with the relevant qualifier. If this information is given at header level it must not appear here.

Ref.	Rep.		Name		EDIFICE Utilisation
C506		M	REFERENCE	M	
1153	an..3	M	Reference code qualifier	M	**AAD** = Contract document addendum identifier **CT** = Contract number **GC** = Government contract number **JB** = Job number **LI** = Document line identifier *Buyer's original line item number* **PR** = Price quote number
1154	an..70	C	Reference identifier	D	
1156	an..6	C	Document line identifier	D	Within an order this must be a unique number which will be the key for identification of the line item. The number is assigned by the buyer, and it can only be assigned once during the lifetime of the order. It will be used, where needed, to refer to the original line item on any subsequent transactions relating to the order. Normally, the first line number on an order will be numbered 1 and further line items will be incremented by 1 for each new line.
1056	an..9	C	Version identifier	N	
1060	an..6	C	Revision identifier	N	

SG34   RFF-DTM

DTM   Date/time/period

Function: A segment specifying the date of the reference document.
Usage   :   D 1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
C507		M	DATE/TIME/PERIOD	M	
2005	an..3	M	Date or time or period function code qualifier	M	**171** = Reference date/time
2380	an..35	C	Date or time or period text	R	
2379	an..3	C	Date or time or period format code	R	**102** = CCYYMMDD
					203 = CCYYMMDDHHMM
					205 = CCYYMMDDHHMMZHHMM
					Replaces EDIFICE code
					X03=CCYYMMDDHHMMZZZZZ
					303 = CCYYMMDDHHMMZZZ
					ZZZ = Time zone
					304 = CCYYMMDDHHMMSSZZZ
					ZZZ = Time zone

SG35   PAC-QTY

PAC   Package

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

Ref.	Rep.		Name		EDIFICE Utilisation
7224	n..8	C	PACKAGE QUANTITY	N	
C531		C	PACKAGING DETAILS	N	
7075	an..3	C	Packaging level code	N	
7233	an..3	C	Packaging related description code	N	
7073	an..3	C	Packaging terms and conditions code	N	
C202		C	PACKAGE TYPE	R	
7065	an..17	C	Package type description code	R	**BA** = Barrel
					BB = Bobbin
					BE = Bundle
					BG = Bag
					BQ = Bottle, protected cylindrical
					BV = Bottle, protected bulbous
					BX = Box
					CG = Cage
					CN = Container, not otherwise specified as transport equipment
					CR = Crate
					CS = Case
					CT = Carton
					CX = Can, cylindrical
					DR = Drum
					EN = Envelope
					NE = Unpacked or unpackaged
					PC = Parcel
					PK = Package
					PU = Tray pack *Replaces code TRY90*
					PX = Pallet
					RL = Reel *Replaces code REL90*
					RO = Roll
					SW = Shrinkwrapped
					TN = Tin
					TU = Tube
					Other codes should be previously agreed between trading partners.
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	D	Only used if the code is taken from an external code list
7064	an..35	C	Type of packages	N	
C402		C	PACKAGE TYPE IDENTIFICATION	N	
7077	an..3	M	Description format code	N	
7064	an..35	M	Type of packages	N	
7143	an..3	C	Item type identification code	N	
7064	an..35	C	Type of packages	N	
7143	an..3	C	Item type identification code	N	
C532		C	RETURNABLE PACKAGE DETAILS	N	
8395	an..3	C	Returnable package freight payment responsibility code	N	
8393	an..3	C	Returnable package load contents code	N	

QTY

SG35   PAC-QTY

QTY   Quantity

Function: A segment specifying the number of products contained in the package type.
Usage :   O 1
Notes :

Ref.	Rep.		Name		EDIFICE Utilisation
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity type code qualifier	M	**52** = Quantity per pack
6060	an..35	M	Quantity	M	
6411	an..8	C	Measurement unit code	N	

SG40   TAX

TAX   Duty/tax/fee details

Function: A segment specifying Value Added Tax, category and rate for the line item.
Usage   :   M1
Notes   :   CO C243 is not used when DE 5305 = 'E'.

Ref.	Rep.		Name		EDIFICE Utilisation
5283	an..3	M	DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M	**7** = Tax
C241		C	DUTY/TAX/FEE TYPE	R	
5153	an..3	C	Duty or tax or fee type name code	R	**VAT** = Value added tax
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5152	an..35	C	Duty or tax or fee type name	N	
C533		C	DUTY/TAX/FEE ACCOUNT DETAIL	N	
5289	an..6	M	Duty or tax or fee account code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5286	an..15	C	DUTY OR TAX OR FEE ASSESSMENT BASIS QUANTITY	N	
C243		C	DUTY/TAX/FEE DETAIL	D	
5279	an..7	C	Duty or tax or fee rate code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5278	an..17	C	Duty or tax or fee rate	R	Tax rate
5273	an..12	C	Duty or tax or fee rate basis code	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
5305	an..3	C	DUTY OR TAX OR FEE CATEGORY CODE	R	**AA** = Lower rate *VAT at a lower rate than standard rate* **E** = Exempt from tax **S** = Standard rate **Z** = Zero rated goods
3446	an..20	C	PARTY TAX IDENTIFIER	N	
1227	an..3	C	CALCULATION SEQUENCE CODE	N	
5307	an..3	C	TAX OR DUTY OR FEE PAYMENT DUE DATE CODE	N	

SG41   NAD

NAD   Name and address

Function: A segment identifying the manufacturer's code, for the line item.
Usage   :   M1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
3035	an..3	M	PARTY FUNCTION CODE QUALIFIER	M	**MF** = Manufacturer of goods
C082		C	PARTY IDENTIFICATION DETAILS	R	
3039	an..35	M	Party identifier	M	Manufacturer's code
1131	an..17	C	Code list identification code	D	
3055	an..3	C	Code list responsible agency code	R	To be agreed between trading partners
C058		C	NAME AND ADDRESS	N	
3124	an..35	M	Name and address description	N	
3124	an..35	C	Name and address description	N	
3124	an..35	C	Name and address description	N	
3124	an..35	C	Name and address description	N	
3124	an..35	C	Name and address description	N	
C080		C	PARTY NAME	N	
3036	an..70	M	Party name	N	
3036	an..70	C	Party name	N	
3036	an..70	C	Party name	N	
3036	an..70	C	Party name	N	
3036	an..70	C	Party name	N	
3045	an..3	C	Party name format code	N	
C059		C	STREET	N	
3042	an..35	M	Street and number or post office box identifier	N	
3042	an..35	C	Street and number or post office box identifier	N	
3042	an..35	C	Street and number or post office box identifier	N	
3042	an..35	C	Street and number or post office box identifier	N	
3164	an..35	C	CITY NAME	N	
C819		C	COUNTRY SUBDIVISION DETAILS	N	
3229	an..9	C	Country subdivision identifier	N	
1131	an..17	C	Code list identification code	N	
3055	an..3	C	Code list responsible agency code	N	
3228	an..70	C	Country subdivision name	N	
3251	an..17	C	POSTAL IDENTIFICATION CODE	N	
3207	an..3	C	COUNTRY IDENTIFIER	N	

UNS   Section control

Function: A service segment separating detail and summary section.
Usage   :   M1
Notes   :

Ref.	Rep.		Name		EDIFICE Utilisation
0081	a1	M	SECTION IDENTIFICATION	M	**S** = Detail/summary section separation

UNT   Message trailer

Function: A service segment ending, and providing information for checking the completeness of a message.
Usage   :   M 1
Notes   :   Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue EDDS10

Ref.	Rep.		Name		EDIFICE Utilisation
0074	n..10	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.

In the following 3 example messages the different usages are found entirely in the different use of the Header DTM and Detail QTY segments. All other information is identical.

EXAMPLES

EXAMPLE 1: BLANKET ORDER FOR A DEFINED TIME PERIOD

This example corresponds to EDIFICE Functional Definition Usage 1

```
UNB+UNOW:4+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+ORDERS++1+X+1'
UNH+1+ORDERS:D:10A:UN:EDBO10'
BGM+221+6785432+9'
DTM+137:20101128:102'
DTM+158:20100101:102'
DTM+159:20101231:102'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
CTA+PD+PETER SMITH'
COM+0756-551234:TE'
CTA+SC+:M BRODY'
COM+0756-551459:TE'
NAD+SE+PISCES SEMICONDUCTORS::92'
CUX+2:USD:9'
LIN+1++ABC0071:BP::92'
PIA+1+1167892:VP::91'
IMD++3'
ALI+US'
PRI+AAA:2.45:CT::1:PCE'
RFF+CT:M5311-93:24'
UNS+S'
UNT+21+1'
UNZ+1+66'
```

EXAMPLE 2: BLANKET ORDER FOR A DEFINED QUANTITY FOR DELIVERY

This example corresponds to EDIFICE Functional Definition Usage 2

UNB+UNOW:4+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+ORDERS++1+X+1'
UNH+1+ORDERS:D:10A:UN:EDBO10'
BGM+221+6785432+9'
DTM+137:20101128:102'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
CTA+PD+PETER SMITH'
COM+0756-551234:TE'
CTA+SC+:M BRODY'
COM+0756-551459:TE'
NAD+SE+PISCES SEMICONDUCTORS::92'
CUX+2:USD:9'
LIN+1++ABC0071:BP::92'
PIA+1+1167892:VP::91'
IMD++3'
QTY+21:100000:PCE'
ALI+US'
PRI+AAA:2.45:CT::1:PCE'
RFF+CT:M5311-93:24'
UNS+S'
UNT+20+1'
UNZ+1+66'

EXAMPLE 3: BLANKET ORDER FOR A DEFINED QUANTITY FOR DELIVERY AND TIME PERIOD

This example corresponds to EDIFICE Functional Definition Usage 3

UNB+UNOW:4+234567891:1:X+123465432:1:X+971201:1924+66+X:AA+ORDERS++1+X+1'
UNH+1+ORDERS:D:10A:UN:EDBO10'
BGM+221+6785432+9'
DTM+137:20101128:102'
DTM+158:20100101:102'
DTM+159:20101231:102'
RFF+CT:999456'
NAD+BY+MAGIMAX LTD::92'
CTA+PD+PETER SMITH'
COM+O756-551234:TE'
CTA+SC+:M BRODY'
COM+0756-551459:TE'
NAD+SE+PISCES SEMICONDUCTORS::92'
CUX+2:USD:9'
LIN+1++ABC0071:BP::92'
PIA+1+1167892:VP::91'
IMD++3'
QTY+21:100000:PCE'
ALI+US'
PRI+AAA:2.45:CT::1:PCE'
RFF+CT:M5311-93:24'
UNS+S'
UNT+22+1'
UNZ+1+66'