



The Global Network for B2B Integration in High Tech Industries

EDIFICE Message Implementation Guideline Inventory Report – Forecast and Inventory Management

INVRPT Issue EDFI10

Endorsed on 15 June 2011

Based on UN/EDIFACT D.10A INVRPT message

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COMPARISON TO PREVIOUS ISSUE

Issue EDFI10 of 1 June 2011: Upgrade to UN/EDIFACT Directory D.10A

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 changes in this MIG is listed below:

Place	EDIFICE Code (*)	Replaced with EDIFACT code/EDIFICE code (*)/Removed/Added
All DTM-2005	X03=CCYMMDDHHMMZZZZZ (*) X04=CCYMMDDHHMMSSZZZZZ (*)	205=CCYMMDDHHMMZHHMM Removed
SG9-PIA/LIN-7143	DI=Distributor's part number(*)	SSS= Distributor's article identifier
SG14-PRI-5375	DR=Dealer's price (*)	Removed

Issue EDFI04 of August 2008

- Upgrade to UN/EDIFACT D.08A which includes the following changes:

- SG12 - NAD is now SG13 - NAD
- addition of SG14 PRI-CUX
- SG14 RFF-DTM is now SG15 RFF-DTM

Data Element format changes :

- * 1131 Code List Identification Code * Format:'an..3' ---> 'an..17'
- * 1154 Reference Identifier * Format:'an..35' ---> 'an..70'
- * 3224 Location Name * Format:'an..70' ---> 'an..256'
- * 3225 Location Identifier * Format:'an..25' ---> 'an..35'
- * 3251 Postal Identification Code * Format:'an..9' ---> 'an..17'
- * 3412 Contact Name * Format:'an..35' ---> 'an..256'
- * 6060 Quantity * Format:'n..15' ---> 'an..35'
- * 6411 Measurement unit code * Format:'an..3' ---> 'an..8'
- * 7008 Item Description * Format:'an..35' ---> 'an..256'

Issue EDFI03 of 1 June 2005:

- Upgrade to UN/EDIFACT Code list D.04B

12 May 2004 : EDIFIX 5.0 Technical Upgrade

- The 'KMT' qualifier in SEG QTY DE 6411 is now defined as (*) EDIFICE code. UN/ECE Recommendation 20 specifies 'KTM' as qualifier for 'kilometre'.

21 May 2003:

- SG14 - RFF - C506 EDIFICE Utilisation changed from 'R' to 'M' according to the UN/EDIFACT specification - this does not influence the functionality of the message.
- EDIFIX 4.2 Technical upgrade; review and correction of examples

Issue EDFI02 of 13 November 2002 is based on UN/EDIFACT D97.A / Code List D01.A

- Addition of the following code value:
 - o SG9, LIN segment, CO C212, DE 7143 code 'SRV' EAN.UCC Global Trade Item Number
 - o SG9, PIA segment, CO C212, DE 7143 code 'SRV' EAN.UCC Global Trade Item Number

Issue EDFI01 of 29 May 2002 - addition of recommended set of DTM qualifiers

EDIFICE FUNCTIONAL DEFINITION

Business flow diagram

Three simplified business scenarios commonly found in materials supply chains are presented here, featuring usage of the INVRPT message.

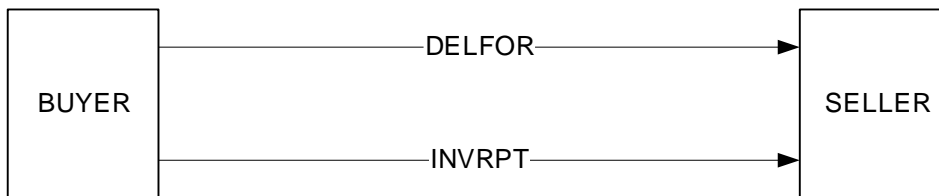
Forecast based Supplier Managed Inventory requiring consumption data.

(This is used to implement Kanban supply chains)

The buyer sends his supplier regular gross forecasts for his anticipated production requirements, typically using a weekly DELFOR message.

Additionally, the buyer sends an INVRPT message more frequently (typically daily) to the supplier, detailing his current level of stock, new products received into inventory, and quantities which have been consumed by his production. From this data, the supplier calculates schedules and delivers product to maintain the level of inventory defined by the buyer.

Change of ownership of the product occurs when the product is received by the buyer.



Forecast based Supplier Managed Inventory under Consignment

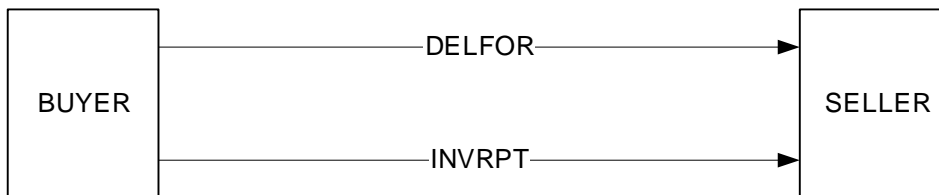
(This is often referred to as consignment stock held by the buyer)

The buyer sends his supplier regular gross forecasts for his anticipated production requirements, typically using a weekly DELFOR message.

In this DELFOR message the buyer can include all additional details needed by the seller to calculate schedules and deliver product to the buyer's site, in order for the seller to control and maintain the desired level of inventory.

Change of ownership of the product occurs when the product is consumed from inventory by the buyer.

Since this consigned inventory, held remotely, is still owned by the seller, the seller may require more frequent information (daily, for example) concerning his inventory. In this case the data may be sent by using an INVRPT message.



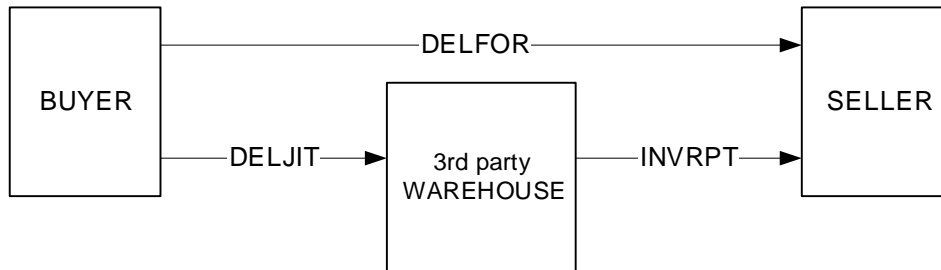
Consignment Inventory held in a third party warehouse

(This is often referred to as the Vendor Hub scenario)

The buyer sends his supplier regular gross forecasts for his anticipated production requirements, typically using a weekly DELFOR message

A remote consignment warehouse, operated by a third party, is stocked by the supplier according to the buyer's forecasted production. The level of inventory is controlled and maintained by the seller. Independently, the buyer communicates his immediate product delivery requirements to the consignment warehouse operator, typically by using a DELJIT message.

Change of ownership of the product occurs when the product is delivered by the third party warehouse to the buyer. This consigned inventory, held remotely, is still owned by the seller. In order to replenishment the stock correctly, the third party warehouse operator must inform the supplier of activities concerning the inventory. This is performed by using the INVRPT.



Principles

The EDIFACT Inventory Report Message (INVRPT) is used to exchange information relevant to held inventories and which is of interest to the trading partners.

In a materials management environment, the INVRPT may result from monitoring and tracking inventory movements. It is used to inform the seller of the inventory status and movements, within appropriate time frames.

REFERENCES

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

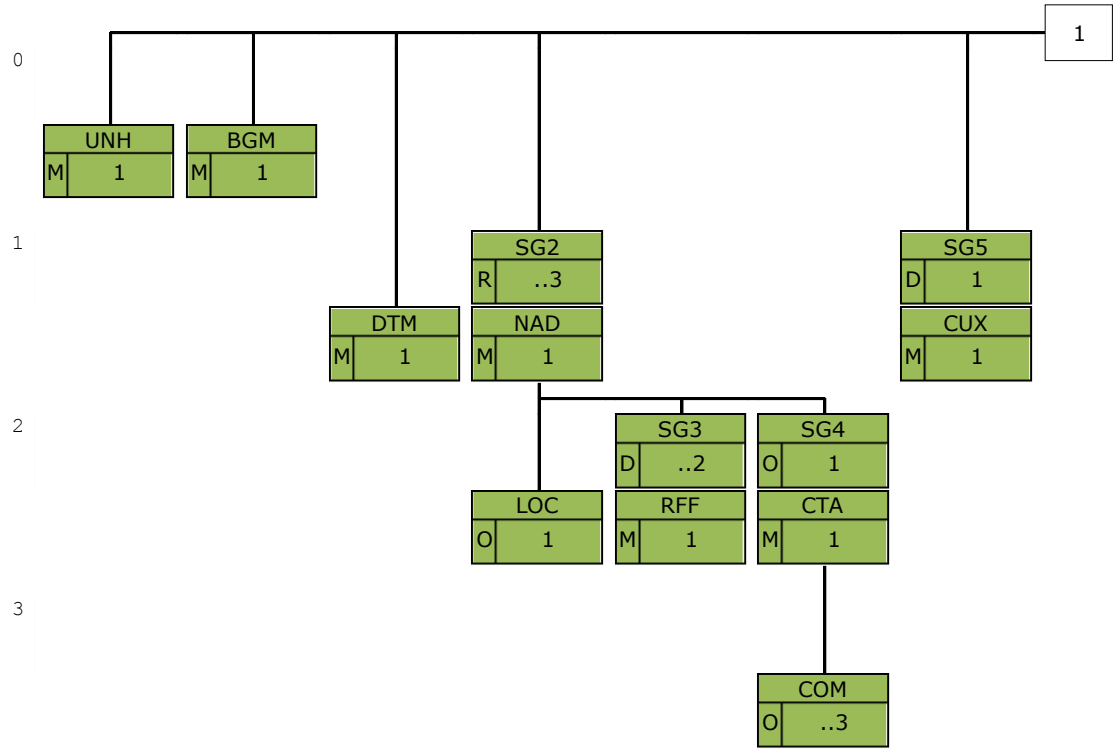
EXPLANATORY NOTES

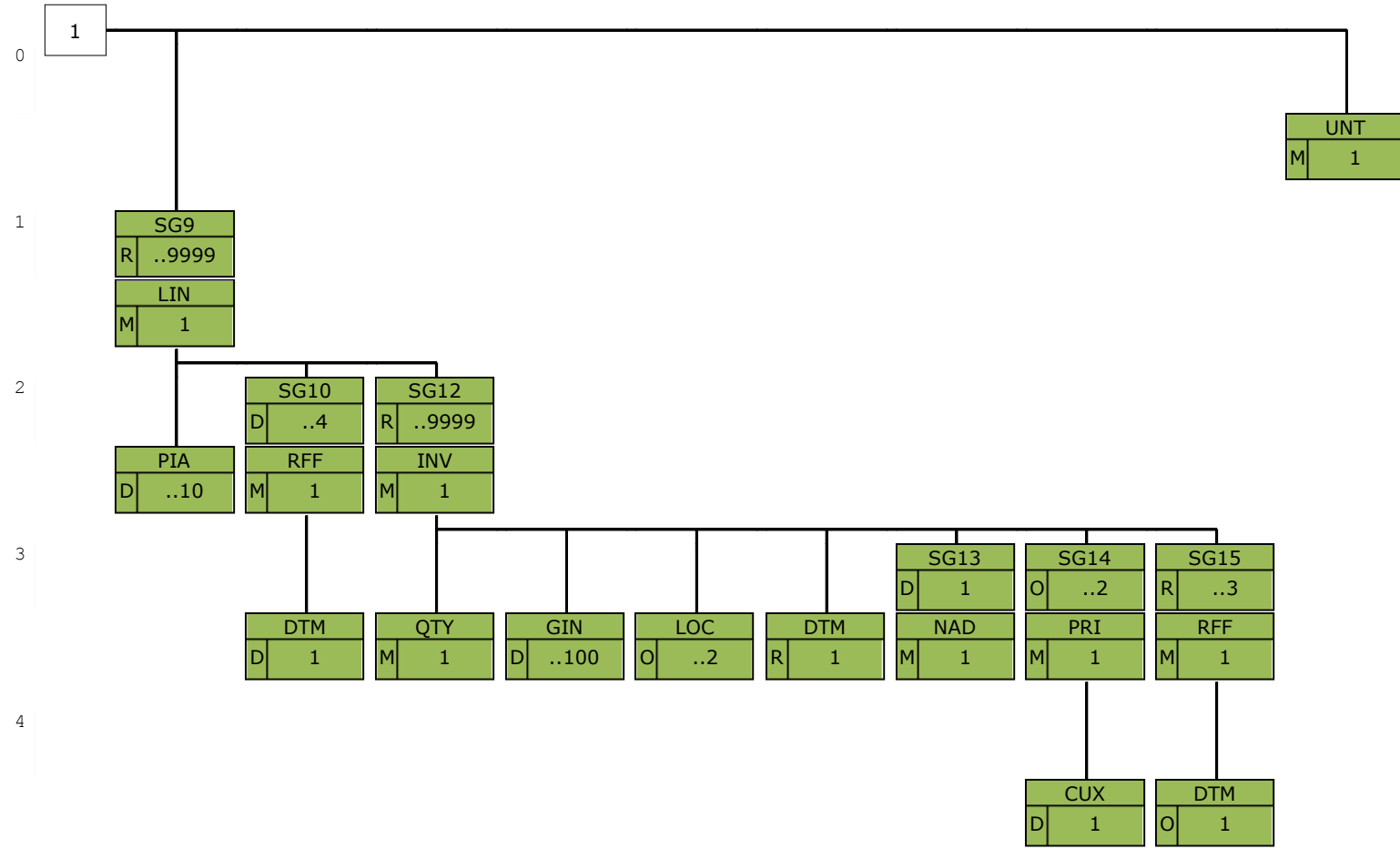
Refer to the document : Explanatory notes for the EDIFICE message guidelines – Issue 1

MESSAGE STRUCTURE CHART

	UNH	Message header	M1
	BGM	Beginning of message	M1
	DTM	Date/time/period	M1
┌	SG2		R..3
├	NAD	Name and address	M1
├	LOC	Place/location identification	O1
├	SG3		D..2
├	RFF	Reference	M1
├	SG4		O1
├	CTA	Contact information	M1
├	COM	Communication contact	O..3
├	SG5		D1
├	CUX	Currencies	M1
├	SG9		R..9999
├	LIN	Line item	M1
├	PIA	Additional product id	D..10
├	SG10		D..4
├	RFF	Reference	M1
├	DTM	Date/time/period	D1
├	SG12		R..9999
├	INV	Inventory management related details	M1
├	QTY	Quantity	M1
├	GIN	Goods identity number	D..100
├	LOC	Place/location identification	O..2
├	DTM	Date/time/period	R1
├	SG13		D1
├	NAD	Name and address	M1
├	SG14		O..2
├	PRI	Price details	M1
├	CUX	Currencies	D1
├	SG15		R..3
├	RFF	Reference	M1
├	DTM	Date/time/period	O1
	UNT	Message trailer	M1

BRANCHING DIAGRAM





SEGMENT 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

SG2 NAD-LOC-SG3-SG4

Function: A group of segments identifying the parties involved and their associated information, relevant to the whole message.
Usage: R..3
Notes: SG3 is used if EC regulations and/or country law requires reference numbers to be sent.
If the LOC segment is used in SG2, it may be overridden by the information specified in LOC of SG11.

NAD Name and address

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

LOC Place/location identification

Function: A segment identifying a location or place required for the inventory concerned, relevant to the specified party.
Usage: O1

SG3 RFF

Function: A group of segments specifying references relating to the specified party.
Usage: D..2
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 party involved, to whom communication should be directed.
Usage: O1
Notes:

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

SG5 CUX

Function: A group of segments specifying the currency valid for the whole message.
Usage: D1

Notes: SG5 is only used when the billing currency for consignment stock needs to be identified, though the price itself is not necessary. Withdrawals of products requiring different currencies require separate reports. For status-only reports, the currency would not be used.

CUX Currencies

Function: A segment specifying the currency of the account.
Usage: M1

SG9 LIN-PIA-SG10-SG12

Function: A group of segments providing inventory details of the individual line items i.e. products kept in inventory.
Usage: R..9999
Notes: SG10 is used when document references need 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: M1

PIA Additional product id

Function: A segment providing additional identification numbers for the line item.
Usage: D..10

SG10 RFF-DTM

Function: A group of segments specifying references for the line item.
Usage: D..4
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 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

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15

Function: A group of segments providing a quantity with all inventory management related information for the line item.
Usage: R..9999
Notes: This matrix shows how INV and QTY are used. For each inventory status, the date/time should be specified.

The GIN segment is used when goods identity numbers need to be specified.
SG12 is used when the owner of the inventory needs to be specified.

Status of Inventory	INV		QTY	DTM
	DE 4499	DE 4503	DE 6063	
Snapshot	-	1/2	17/89	*
Incoming	1	-	48	*
Outgoing	11/2	-	2	*
Returns	8	-	61	*
Corrections	7	-	213/214	*

INV Inventory management related details

Function: A segment specifying the reason for an inventory movement or the inventory status.
Usage: M1

QTY **Quantity**

Function: A segment specifying a quantity.
Usage: M1

GIN **Goods identity number**

Function: A segment providing identity numbers.
Usage: D..100

LOC **Place/location identification**

Function: A segment identifying a location or place required for the inventory concerned.
Usage: O..2

DTM **Date/time/period**

Function: A segment specifying the date/time as applied to the quantity.
Usage: R 1

SG13 **NAD**

Function: A group of segments identifying the owner of the inventory.
Usage: D 1
Notes:

NAD **Name and address**

Function: A segment identifying the owner of the inventory.
Usage: M1

SG14 **PRI-CUX**

Function: A group of segments to identify the unit price and the related date for the line item.
Usage: O..2
Notes:

PRI **Price details**

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

CUX **Currencies**

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

SG15 **RFF-DTM**

Function: A group of segments giving references only relating to the specified quantity.
Usage: R..3
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: O 1

UNT **Message trailer**

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

SEGMENT DETAILS



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 INVRPT = Inventory report message D = Draft version/UN/EDIFACT Directory 10A = Release 2010 - A UN = UN/CEFACT EDFI10 = Inventory report - Forecast and Inventory management Issue EDFI10
S009		M MESSAGE IDENTIFIER	M	
0065	an..6	M Message type	M	
0052	an..3	M Message version number	M	
0054	an..3	M Message release number	M	
0051	an..3	M Controlling agency, coded	M	
0057	an..6	C Association assigned code	R	
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	35 = Inventory report
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	Inventory report 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/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 or time or period function code qualifier	M	137 = Document issue date time
2380	an..35	C Date or time or period text	R	Document creation date
2379	an..3	C Date or time or period format code	R	102 = CCYMMDD 102 = CCYMMDD 203 = CCYMMDDHHMM 205 = CCYMMDDHHMMZHHMM <i>Replaces EDIFICE code</i> <i>X03=CCYMMDDHHMMZZZZ</i> 303 = CCYMMDDHHMMZZZ <i>ZZZ = Time zone</i> 304 = CCYMMDDHHMMSSZZZ <i>ZZZ = Time zone</i>

SG2 NAD-LOC-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.

The seller and the party holding the inventory must be specified.

Ref.	Rep.	Name		EDIFICE Utilisation
3035	an..3	M PARTY FUNCTION CODE QUALIFIER	M	BY = Buyer SE = Seller DP = Delivery party <i>Party holding the inventory, if different from buyer or seller.</i> 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
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	
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

SG2 NAD-LOC-SG3-SG4

LOC Place/location identification

Function: A segment identifying a location or place required for the inventory concerned, relevant to the specified party.

Usage : 01

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
3227	an..3	M LOCATION FUNCTION CODE QUALIFIER	M	18 = Warehouse
C517		C LOCATION IDENTIFICATION	R	It is advised that DE 3225 be used together with DE 3055 rather than DE 3224.
3225	an..35	C Location identifier	A	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	D	91 = Assigned by seller or seller's agent
				92 = Assigned by buyer or buyer's agent
3224	an..256	C Location name	D	
C519		C RELATED LOCATION ONE IDENTIFICATION	N	
3223	an..35	C First related location identifier	N	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	N	
3222	an..70	C First related location name	N	
C553		C RELATED LOCATION TWO IDENTIFICATION	N	
3233	an..35	C Second related location identifier	N	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	N	
3232	an..70	C Second related location name	N	
5479	an..3	C RELATION CODE	N	

SG3 RFF

RFF Reference

Function: A segment specifying a company specific reference.

Usage : M1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
C506		M REFERENCE	M	GN = Government reference number VA = VAT registration number
1153	an..3	M Reference code qualifier	M	
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	

SG4 CTA-COM

CTA Contact information

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

Usage : M1

Notes :

Ref.	Rep.	Name	EDIFICE Utilisation	
3139	an..3	C CONTACT FUNCTION CODE	R	IC = Information contact If a code is available use DE 3413, otherwise use DE 3412.
C056		C CONTACT DETAILS	R	
3413	an..17	C Contact identifier	D	
3412	an..256	C Contact name	D	

SG4 CTA-COM**COM Communication contact**

Function: A segment identifying a communications type and number.

Usage : 0..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

SG5 CUX

CUX Currencies

Function: A segment specifying the currency of the account.
 Usage : M1
 Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
C504		C CURRENCY DETAILS	R	
6347	an..3	M Currency usage code qualifier	M	7 = Currency of the account
6345	an..3	C Currency identification code	R	Use ISO 4217, 3 alpha code
6343	an..3	C Currency type code qualifier	R	4 = Invoicing 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	

SG9 LIN-PIA-SG10-SG12

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 :

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 <i>Replaces EDIFACT code DI=Distributor's part number</i> 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

SG9 LIN-PIA-SG10-SG12

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 <i>Release number of a product</i> 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 SRV = EAN.UCC Global Trade Item Number SSS = Distributor's article identifier <i>Replaces EDIFACT code DI=Distributor's part number</i> 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	
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	
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	
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	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	R	

SG10 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	AAD = Contract document addendum identifier BO = Blanket order number CT = Contract number GC = Government contract number
1153	an..3	M Reference code qualifier	M	
1154	an..70	C Reference identifier	R	
1156	an..6	C Document line identifier	O	
1056	an..9	C Version identifier	N	
1060	an..6	C Revision identifier	N	

SG10 RFF-DTM**DTM Date/time/period**

Function: A segment specifying the date/time 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 = CCYMMDD 102 = CCYMMDD 203 = CCYMMDDHHMM 205 = CCYMMDDHHMMZHMM <i>Replaces EDIFICE code</i> <i>X03=CCYMMDDHHMMZZZZ</i> 303 = CCYMMDDHHMMZZZ <i>ZZZ = Time zone</i> 304 = CCYMMDDHHMMSSZZZ <i>ZZZ = Time zone</i>

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15

INV Inventory management related details

Function: A segment specifying the reason for an inventory movement or the inventory status.

Usage : M1

Notes : Codes in DE 4499 and DE 4503 to be used in accordance with the matrix in the Notes of SG11.

Ref.	Rep.	Name		EDIFICE Utilisation
4501	an..3	C INVENTORY MOVEMENT DIRECTION CODE	N	1 = Reception 2 = Delivery 7 = Reversal of previous movement 8 = Defects (technical) 11 = Consumption 1 = Book-keeping inventory balance <i>Status</i> 2 = Formal inventory balance <i>Status</i>
7491	an..3	C INVENTORY TYPE CODE	N	
4499	an..3	C INVENTORY MOVEMENT REASON CODE	D	
4503	an..3	C INVENTORY BALANCE METHOD CODE	D	
C522		C INSTRUCTION	N	
4403	an..3	M Instruction type code qualifier	N	
4401	an..3	C Instruction description code	N	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	N	
4400	an..35	C Instruction description	N	

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15

QTY Quantity

Function: A segment specifying a quantity.

Usage : M1

Notes : Codes in DE 6063 to be used in accordance with the matrix in the Notes of SG11.

Ref.	Rep.	Name		EDIFICE Utilisation
C186		M QUANTITY DETAILS	M	
6063	an..3	M Quantity type code qualifier	M	2 = Charge 17 = Quantity on hand 48 = Received quantity 61 = Return quantity 89 = Quality control held <i>Quarantined</i> 213 = Transferred out quantity 214 = Transferred in quantity
6060	an..35	M Quantity	M	
6411	an..8	C Measurement unit code	R	CLT = centilitre CMT = centimetre EA = each GRM = gram H87 = piece KGM = kilogram KMT = kilometre 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.

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15**GIN Goods identity number**

Function: A segment providing identity numbers.

Usage : D..100

Notes :

Ref.	Rep.	Name	EDIFICE Utilisation	
7405	an..3	M OBJECT IDENTIFICATION CODE 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 Object identifier	M	
7402	an..35	C Object identifier	D	
C208		C IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M Object identifier	M	
7402	an..35	C Object identifier	D	
C208		C IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M Object identifier	M	
7402	an..35	C Object identifier	D	
C208		C IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M Object identifier	M	
7402	an..35	C Object identifier	D	
C208		C IDENTITY NUMBER RANGE	O	As for first CO C208
7402	an..35	M Object identifier	M	
7402	an..35	C Object identifier	D	

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15

LOC Place/location identification

Function: A segment identifying a location or place required for the inventory concerned.

Usage : O..2

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
3227	an..3	M LOCATION FUNCTION CODE QUALIFIER	M	14 = Goods item storage location 18 = Warehouse
C517		C LOCATION IDENTIFICATION	R	It is advised that DE 3225 be used together with DE 3055 rather than DE 3224.
3225	an..35	C Location identifier	A	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	D	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
3224	an..256	C Location name	D	
C519		C RELATED LOCATION ONE IDENTIFICATION	O	
3223	an..35	C First related location identifier	O	
1131	an..17	C Code list identification code	O	
3055	an..3	C Code list responsible agency code	O	
3222	an..70	C First related location name	O	
C553		C RELATED LOCATION TWO IDENTIFICATION	N	
3233	an..35	C Second related location identifier	N	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	N	
3232	an..70	C Second related location name	N	
5479	an..3	C RELATION CODE	N	

SG12 INV-QTY-GIN-LOC-DTM-SG13-SG14-SG15**DTM Date/time/period**

Function: A segment specifying the date/time as applied to the quantity.

Usage : R 1

Notes : Date of the status or physical movement of the products in/out of inventory.

Ref.	Rep.	Name		EDIFICE Utilisation
C507		M DATE/TIME/PERIOD	M	
2005	an..3	M Date or time or period function code qualifier	M	145 = Event 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 = CCYMMDD 102 = CCYMMDD 203 = CCYMMDDHHMM 205 = CCYMMDDHHMMZHMM <i>Replaces EDIFICE code</i> <i>X03=CCYMMDDHHMMZZZZ</i> 303 = CCYMMDDHHMMZZZ <i>ZZZ = Time zone</i> 304 = CCYMMDDHHMMSSZZZ <i>ZZZ = Time zone</i>

SG13 NAD

NAD Name and address

Function: A segment identifying the owner of the inventory.

Usage : M1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
3035	an..3	M PARTY FUNCTION CODE QUALIFIER	M	BY = Buyer SE = Seller
C082		C PARTY IDENTIFICATION DETAILS	N	
3039	an..35	M Party identifier	N	
1131	an..17	C Code list identification code	N	
3055	an..3	C Code list responsible agency code	N	
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	

SG14 PRI-CUX

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	C	AAA = Calculation net AAB = Calculation gross CA = Catalogue CT = Contract DI = Distributor NC = No charge (*) The price will be zero QT = Quoted (*) EDIFICE code CLT = centilitre CMT = centimetre EA = each GRM = gram H87 = piece KGM = kilogram KMT = kilometre 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.
5125	an..3	M Price code qualifier	M	
5118	n..15	C Price amount	R	
5375	an..3	C Price type code	R	
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	
5213	an..3	C SUB-LINE ITEM PRICE CHANGE OPERATION CODE	N	

SG14 PRI-CUX

CUX Currencies

Function: A segment specifying the currency for all prices and/or amounts.

Usage : D1

Notes : If PRI is used then CUX must be used

Ref.	Rep.	Name	EDIFICE Utilisation	
C504		C CURRENCY DETAILS	C	
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	1 = Customs valuation currency
				3 = Home currency
				4 = Invoicing currency
				9 = Order currency
				10 = Pricing 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	

SG15 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	AAB = Proforma invoice document identifier AAK = Despatch advice number AKO = Action authorization number IV = Invoice document identifier PK = Packing list number SRN = Shipment reference number TN = Transaction reference number
1153	an..3	M Reference code qualifier	M	
1154	an..70	C Reference identifier	R	
1156	an..6	C Document line identifier	O	
1056	an..9	C Version identifier	N	
1060	an..6	C Revision identifier	N	

SG15 RFF-DTM**DTM Date/time/period**

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

Usage : 01

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 102 = CCYYMMDD 203 = CCYYMMDDHHMM 205 = CCYYMMDDHHMMZHHMM <i>Replaces EDIFICE code</i> <i>X03=CCYYMMDDHHMMZZZZ</i> 303 = CCYYMMDDHHMMZZZ <i>ZZZ = Time zone</i> 304 = CCYYMMDDHHMMSSZZZ <i>ZZZ = Time zone</i>

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 EDSS10

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.

EXAMPLES

EXAMPLE 1

Forecast based supplier managed inventory requiring consumption data.
The buyer sends an INVRPT to the supplier, detailing his current level of stock, new products received into inventory, and quantities which have been consumed by his production.

UNB+UNOW:4+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+INVRPT++1+X+1'	
UNH+1+INVRPT:D:10A:UN:EDFI04'	INVRPT message no 1
BGM+35+003987078980128+9'	Original message no 003987078980128
DTM+137:201001281517:203'	Dated 28 January 2010
NAD+SE+003987::92'	Seller's identification
NAD+BY+879645::92'	Buyer's identification
LOC+18+078::92'	Buyer's warehouse
CTA+IC+:H.SMITH'	Contact person's name
COM+07121352047:TE'	Contact person's telephone number
COM+07121351689:FX'	Contact person's telefax number
LIN+1++8905730005:BP::92'	Buyer's part number
PIA+1+PNA12346:VP::91'	Seller's part number
INV+++1'	Products received into stock
QTY+48:15:PCE'	Quantity received
DTM+145:20100127:102'	Date of receipt
RFF+AAK:8709/326 02'	Despatch advice number
DTM+171:20080107:102'	Date of despatch advice
RFF+TN:98000007'	Receiving transaction number
INV+++11'	Products consumed from stock
QTY+2:50:PCE'	Quantity consumed
DTM+145:20100116:102'	Date of consumption
INV++++1'	Current calculated stock level
QTY+17:200:PCE'	Quantity on hand
DTM+145:201001282315:203'	On 28 Jan 2010
UNT+24+1'	24 segments in this INVRPT report
UNZ+1+66'	

EXAMPLE 2

Forecast based supplier managed inventory under consignment, often referred to as consignment stock held by the buyer.

The buyer sends an INVRPT to the supplier, detailing his current level of stock, new products received into inventory, quantities which have been consumed by his production, corrections for consumption and receiving errors, and defective products to be returned. The information necessary for self-billing is also specified.

UNB+UNOW:4+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+INVRPT++1+X+1'	INVRPT message #5
UNH+5+INVRPT:D:10A:UN:EDFI10'	This is an original document #530
BGM+35+530+9'	Dated 20 February 2010
DTM+137:20100220:102'	Buying organization's own name
NAD+BY+ODETTE::92'	Buyer's VAT number
RFF+VA:DE1234567890'	Buyer's contact person
CTA+IC+:JOHN DOE'	Contact person's phone number
COM+0191 234 7901:TE'	Selling organization's own name
NAD+SE+ACME::91'	Invoicing to be in Euro
CUX+7:EUR:4'	
LIN+1++ABCDEF:VP::91'	Vendor's part number ABCDEF
PIA+1+123456:BP::92'	Buyer's part number 123456
RFF+CT:ABC123'	Contract # ABC123 to be used
INV+++11'	Consumed from consignment
QTY+2:3000:PCE'	3000 pieces to be charged for
DTM+145:20100205:102'	Pulled from stock on 5 February 2010
RFF+IV:65017377'	Self-billing invoice number
RFF+TN:7909981'	Buyer internal transaction number
INV+++11'	Consumed from consignment
QTY+2:4000:PCE'	4000 pieces to be charged for
DTM+145:20100210:102'	Pulled from stock on 10 February 2010
RFF+IV:65053313'	Self-billing invoice number
RFF+TN:7923741'	Buyer internal transaction number
INV+++7'	Correction for a consumption error
QTY+214:3000:PCE'	3000 pieces not consumed
DTM+145:20100213:102'	Re-entered in stock on 13 February 2010
RFF+IV:6508662'	Self-billing credit note number
RFF+TN:7923691'	Buyer internal transaction number
INV+++8'	Defective products to be returned
QTY+61:550:PCE'	550 pieces returned to seller
DTM+145:20100211:102'	Date of return 11 February 2010
RFF+IV:60173733'	Self-billing credit note number
RFF+TN:7909981'	Buyer internal transaction number
RFF+AKO:RB1234567'	Seller's return authorization #
INV+++1'	Products received into consignment
QTY+48:2000:PCE'	2000 pieces received into stock
DTM+145:20100210:102'	On 10 February 2010
RFF+AAB:65053334'	Buyer's pro-forma self-billing #
RFF+SRN:EBGMOS'	Seller's ship reference number
INV+++7'	Correction for a receiving error
QTY+213:6000:PCE'	Adjust by subtracting 6000 pieces
DTM+145:20100210:102'	Effective 10 February 2010
RFF+AAB:65053611'	Buyer's pro-forma self-billing #
RFF+SRN:EBGMOR'	Seller's ship reference number
INV++++1'	Current calculated stock level
QTY+17:23000:PCE'	23000 pieces on hand inventory
DTM+145:20100220:102'	On 20 February 2010
UNT+47+5'	47 segments in this INVRPT message
UNZ+1+66'	

EXAMPLE 3

Consignment Inventory held in a third party warehouse often referred to as the Vendor Hub scenario. The third party warehouse operator sends an INVRPT to the supplier, detailing his current level of stock, new products received into inventory, and quantities delivered to the buyer. An example of the use of quarantine to hold devices of unconfirmed quality is shown.

UNB+UNOW:4+234567891:1:X+198765432:1:X+971201:1924+66+X:AA+INVRPT++1+X+1'	INVRPT message #4
UNH+4+INVRPT:D:10A:UN:EDFI10'	
BGM+35+432+9'	This is an original document #432
DTM+137:20100226:102'	Dated 26 February 2010
NAD+DP+THIRDPARTY::91'	Third party warehouse organization's own name
CTA+IC+:RAY WARE'	Third party warehouse's contact person
COM+0191 234 7901:TE'	Contact person's phone number
NAD+SE+ACME::91'	Selling organization's own name
LIN+1++ABCDEFHG:VP::91'	Vendor's part number ABCDEFHG
INV+++2'	Delivered from consignment
QTY+2:4000:PCE'	4000 pieces to be charged for
DTM+145:20100205:102'	Pulled from stock on 5 February 2010
RFF+TN:7909981'	Internal transaction number
INV+++1'	Products received into consignment
QTY+48:2000:PCE'	2000 pieces received into stock
DTM+145:20100210:102'	On 10 February 2010
RFF+SRN:EBGMOS'	Seller's ship reference number
INV++++1'	Current calculated stock level
QTY+17:45000:PCE'	45000 pieces on hand inventory
DTM+145:20100226:102'	On 26 February 2010
INV++++1'	Stock on quality hold
QTY+89:15000:PCE'	15000 devices in quarantine
DTM+145:20100226:102'	On 26 February 2010
UNT+23+4'	23 segments in this INVRPT message
UNZ+1+66'	