



**IMPLEMENTATION GUIDELINE**

ooOoo

**PURCHASE ORDER RESPONSE**

ooOoo

**VERSION 1**

ooOoo

**BASED ON**

**EDIFICE D.97A ORDRSP MESSAGE, ISSUE EDOR04**

Copyright 1998  
Texas Instruments Incorporated  
All Rights Reserved

The information and/or drawings set forth in this document and all rights in and to inventions disclosed herein and patents which might be granted there on disclosing and employing the materials, methods, techniques, or apparatus described herein are exclusive property of Texas Instruments Incorporated.

This document can be found on the World Wide Web from:  
<http://www.ti.com/sc/docs/scedi/techpaks/sctecpak.htm>

## TABLE OF CONTENTS

<u>TITLE</u>	<u>PAGE</u>
INTRODUCTION	3
COMPARISON TO PREVIOUS ISSUE	4
FUNCTIONAL DEFINITION	5
REFERENCES	11
EXPLANATORY NOTES	12
MESSAGE STRUCTURE CHART	14
BRANCHING DIAGRAM	15
SEGMENT GROUPS/SEGMENTS DESCRIPTION	17
UNH           MESSAGE HEADER	21
BGM           BEGINNING OF MESSAGE	22
DTM           DATE/TIME/PERIOD	23
SG1 - RFF     REFERENCE	24
SG3 - NAD     NAME AND ADDRESS	25
SG8 - CUX     CURRENCIES	26
SG26 - LIN    LINE ITEM	27
SG26 - PIA    ADDITIONAL PRODUCT ID	28
SG26 - IMD    ITEM DESCRIPTION	29
SG26 - QTY    QUANTITY	30
SG30 - PRI    PRICE DETAILS	31
SG31 - RFF    REFERENCE	32
SG51 - SCC    SCHEDULING CONDITIONS	33
SG52 - QTY    QUANTITY	34
SG52 - DTM    DATE/TIME/PERIOD	35
SG53 - RCS    REQUIREMENTS AND CONDITIONS	36
SG53 - RFF    REFERENCE	37
SG53 - DTM    DATE/TIME/PERIOD	38
SG53 - FTX    FREE TEXT	39
UNS           SECTION CONTROL	40
UNT           MESSAGE TRAILER	41
EXAMPLES	42 - 43

## INTRODUCTION

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

## COMPARISON TO PREVIOUS ISSUE

There are no previous issues.

- 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,

## **FUNCTIONAL DEFINITION**

### Introduction

It is advised to read the functional definition and study the message guideline examples thoroughly before implementing any of the three messages.

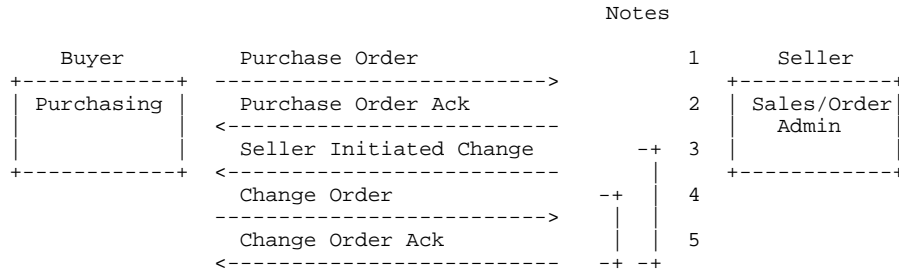
EDIFICE provides three interrelated messages for the purchase ordering process: The Purchase Order (ORDERS), the Purchase Order Change Request (ORDCHG) and the Purchase Order Response (ORDRSP). Together they are used to form a purchase order cycle.

This usage has been created with the intention of satisfying about eighty percent of the electronics industry EDI ordering requirements. It is a 'core' set of segments for the order transaction. During the development of this document it has been recognised that there are further requirements that are special to certain areas of the electronics industry. These requirements will need to be considered under a separate document.

EDI Business Architecture for the Order cycle

The traditional order cycle caters for the ordering of materials and/or services under a business or commercial agreement. It is assumed that this agreement defines all standard, basic trading terms and conditions as agreed between the two parties. As such, all three messages used in the traditional order cycle always constitute a business transaction under this agreement, to which they will refer for basic terms and conditions.

Buyer calculates requirements and places purchase orders, based upon agreed standard product and pricing info, or upon Request for Quote/Quotes.



- |   |  |
|---|--|
| <p>1 Buyer generates (stand-alone) Purchase Order using ORDERS.</p> <p>2 Seller responds with Order Response using ORDRSP.</p> <p>3 Seller-initiated changes done via Order Response using ORDRSP.</p> <p>4A Change Orders issued from buyer to convey buyer-initiated changes using ORDCHG.</p> <p>4B Change Orders issued from buyer to notify seller of non-acceptance of seller-initiated changes using ORDCHG (exception process).</p> | <p>4C Change Orders issued from buyer to notify seller of acceptance of seller-initiated changes using ORDCHG (option)</p> <p>5A Seller acknowledges Buyer-Initiated Change Orders via Order Response using ORDRSP. This ends the loop.</p> <p>5B Seller acknowledges Change Orders issued by Buyer, as a result of Seller-initiated changes using ORDRSP. This ends the loop.</p> |
|---|--|

## Order Cycle Principles

- The original Purchase Order should refer to a business or commercial agreement. Any subsequent message to the original Purchase Order should refer to the original Purchase Order. In doing so, reference to the business or commercial agreement for the business transaction is given indirectly. Therefore, no reference to the contract or quote agreement needs to be specified in Purchase Order Change Requests or Purchase Order Responses following the Purchase Order unless a Purchase Order Change Request is issued to add line items to the Purchase Order.
- If references to more than one contract/quote exist in the same order cycle, an overall agreement applicable to all contracts/quotes involved regarding payment terms, terms of delivery (i.e. data at header level) is needed between the business partners, as this information cannot be conveyed per contract/quote in the EDI message.
- It is recommended to exclude all information that could be previously agreed in a business or commercial agreement from the EDI messages.  
Examples thereof are TAX, PAT, PCD, TDT, TOD and LOC. Use these segments only if the information needs to be conveyed at the time of ordering.
- 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.
- To identify the individual items being ordered (SG28), the combination of the Buyer's original Document Number (BGM DE1004) and the Buyer's original line number (RFF in SG33 DE1156) will normally be used. Any other means of identification must be agreed upon by the trading partners in the Trading Partner Agreement.
- All information related to purchased goods or services must be specified at the line item level, to avoid any ambiguity. Thus each line item can be treated as an order.
- It is strongly advised not to take minor corrective actions or changes via EDI. One of the objectives of EDI is to provide good data. Should bad data be transmitted or should a change request occur for administrative data in the Header section, then corrective action would normally take place via other means than EDI.
- The use of free text in the messages is highly discouraged.
- Business partners must agree either to send contract/quote information at header level or at line level, all through the order cycle. It is recommended to have these references at the header level for simplicity of processing.

In order to keep the interrelation between the three messages unambiguous, a couple of key definitions and basic assumptions in the information flow need to be clarified.

- If a Purchase Order has more than one line item, it has to be considered as a collection of one line item Purchase Orders being identified by the Purchase Order number and the line item number. Each line item therefore has its own life cycle.
- Each transmitted message in the order cycle must have a unique document number in BGM DE 1004.

EDIFICE recommends to keep all references to preceding messages (except for the reference to the original Purchase Order) at detail level in the RFF segment in SG33. Only if mutually agreed between trading partners and if these references are the same for all line items they may be given at header level in the RFF segment in SG1 and not at the detail level.

## Purchase Order Response

A Purchase Order Response is issued to:

- State acceptance to the conditions set out in the Purchase Order or Purchase Order Change Request/Requests as requested by the buyer.
- Propose a modification of the previously received Purchase Order
- Propose a modification of previously received Purchase Order Change Request/Requests

Any change request conveyed in an ORDRSP by the seller is to be considered as a proposal.

In case of non-acceptance by the seller, the Purchase Order Response may not propose changes to:

- The Header section except for SG19 (Allowance or charge) of the referenced message. These may only be proposed by not accepting the line items of the referenced message. Non-acceptance of one, many or all line items involved in the transaction is indicated in LIN, DE 1229 for each separate line item using the value '7' (Not accepted).
- Those data elements which identify the individual items being ordered (RFF in SG33).
- The information which identifies the item ordered (LIN DE 7140).

A Purchase Order Response must always refer to the original Purchase Order at Header level. Furthermore, the last received Purchase Order Change Request requesting amendments to a line item by the buyer should be referenced at Detail level for the line item concerned (if any). Only if mutually agreed between trading partners and if these references are the same for all line items they may be given at header level in the RFF segment in SG1 and not at the detail level.

Note that a Purchase Order Response never references the last transmitted Purchase Order Response for the line item in question. The Purchase Order Response is always sent in response to the last received message from the buyer.

The following data must be transmitted:

- That required to identify the individual items being ordered (RFF in SG33).
- All segments below the LIN segment, when there is a proposed change in one of them.

Acknowledgement, confirmation and proposed amendments may be mixed within the message using the appropriate code in LIN.

It is up to the trading partners to decide whether to transmit the entire detail section (including those line items which have not been acted upon) or only those line items which have been acted upon.

Trading partners may by mutual agreement decide to make the sending of "scheduling conditions (SCC/QTY/DTM) as it was BEFORE the now transmitted message" optional if the information is not needed in their business relationship.

A single segment group SCC must always precede a single SG52, except when there is a proposal to split the previous schedule. It is recommended to send the requested schedules before the proposed schedules, either on a one to one basis or grouped together. This must be previously agreed by the trading partners.

It is also up to the trading partners to agree whether quantities previously ordered and received are included in the QTY segments of SG52.

A proposed change to SG19 (Allowance or charge) will automatically apply to the whole purchase order.

When a line item in the Purchase Order Response is acknowledged as "no action", "accepted without amendment", "not accepted", "deleted" or "not found", by means of the appropriate code for DE 1229 of the LIN segment, no underlying segments of the referenced LIN need to be transmitted except for the RFF segments specifying the original Purchase Order line number and the preceding message from the buyer, i.e. preceding Purchase Order Change Request document number (if any). If information in the underlying segments is transmitted, all relevant underlying segments must be transmitted.



## Structure of references and scheduling conditions

(for further clarification, see Example 4)

The three messages involved in the purchase order cycle interact at line item level. For example, an original Purchase Order or a Purchase Order Change Request with multiple line items may be responded to with several different Purchase Order Responses. Each one of the Responses may contain responses to one or many of the requested line items of the original Purchase Order or Purchase Order Change Request. Accordingly, a Purchase Order Change Request may contain amendments to one or many line items of a previously transmitted Purchase Order, Purchase Order Change Request or received Purchase Order Response.

Also, the line items that are being responded to in a Purchase Order Response may originate from a Purchase Order or from several Purchase Order Change Requests or from both the original Purchase Order and one or many previous Purchase Order Change Requests. The line items that are being amended in a Purchase Order Change Request may, according to the same principle, originate from several different preceding messages.

Basically, there is an interrelated mechanism in the messages which enable the interaction at line item level: the reference to the previously sent message at line item level, which automatically gives the reference to the previously communicated scheduling conditions for the line item in question.

- ORDERS
  - BGM : purchase order number
  - RFF (SG1) : contract/quote information
  - RFF (SG33) : line number
  - QTY (SG54) : ordered quantity
  - DTM (SG54) : requested delivery/shipment date
  
- ORDRSP
  - BGM : purchase order response number
  - RFF (SG1) : purchase order number
  - RFF (SG31) : line number
  - RFF (SG31) : preceding Purchase Order Change document number for this line item
  - a) QTY (SG52) : ordered quantity
  - DTM (SG52) : requested delivery/shipment date
  - b) QTY (SG52) : quantity to be delivered
  - DTM (SG52) : schedule delivery/shipment date
  
- ORDCHG
  - BGM : purchase order change request number
  - RFF (SG1) : purchase order number
  - RFF (SG31) : line number
  - RFF (SG31) : preceding message document number for this line item (Purchase Order Change or Purchase Order Response)
  - a) QTY (SG52) : previous order quantity
  - DTM (SG52) : superseded date
  - b) QTY (SG52) : proposed new order quantity
  - DTM (SG52) : schedule delivery/shipment date

Any subsequent Purchase Order Change or Purchase Order Response to the original order should include

- a) the scheduling conditions (QTY/DTM) as they were BEFORE the now transmitted message, if agreed by the trading partners, and
- b) the new proposed/requested scheduling conditions except where SG52 is used for positioning or where a line item is being added (see message details for further explanation).

The situation a) is always retrieved from the preceding message for the line item in question.

The preceding message for the line item is always referenced in the RFF segment in SG31.

The original Purchase Order for the line item (and for all line items in the same subsequent message) is always referenced in the RFF segment in SG1.

If no preceding message exists other than the original Purchase Order, there will be no reference in SG31 except for the line number reference. If this is the case, situation a) should be retrieved from the original Purchase Order.

For each line item, there can only be one reference to the preceding message at line item level as there can only ever be one preceding message for that line item.

Identified timing problem:

A mismatch in the referencing mechanism might appear if the buyer and the seller transmit messages involving the same line item/items at the same time. It is up to the business partners to agree on how to handle the situation if it should occur.

## REFERENCES

UN/EDIFACT DIRECTORY D.97A 1996-12-10

- DRAFT RECOMMENDATION PURCHASE ORDER RESPONSE MESSAGE
  - Message Type : ORDRSP
  - Version : D
  - Release : 97A
  - Controlling Agency : UN
  - Revision : 7
  - 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 639 Code for the Representation of Names of Languages
    - Date : 1988
  - ISO 3166 Code for the Representation of Names of Countries
    - Date : 1993
  - ISO 4217 Code for the Representation of Currencies and Funds
    - Date : 1995
- See also web-site : <http://www.iso.ch>

UN/ECE Recommendations

- No 5 Alphabetic Code for Incoterms 1990
    - Date : January 1996
  - No 16 UN/LOCODE - Code for Ports and other Locations
    - Date : January 1996
  - No 19 Codes for Mode of Transport
    - Date : November 1994
  - No 20 Codes for Units of Measure used in International Trade
    - Date : August 1995
  - No 21 Codes for Types of Cargo, Packages and Packaging Material
    - Date : March 1986
- See also web-site: [http://www.unece.org/trade/facil/tf\\_rec\\_h.htm](http://www.unece.org/trade/facil/tf_rec_h.htm)

Core European Implementation Guidelines

- Introduction
  - Date : 1996-01-22
- Purchase Order Response
  - UN/EDIFACT Directory : 92.1/D.93A
  - Date : 1996-01-22

EDIFICE

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

## EXPLANATORY NOTES

### General

The following abbreviations are used within this document:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

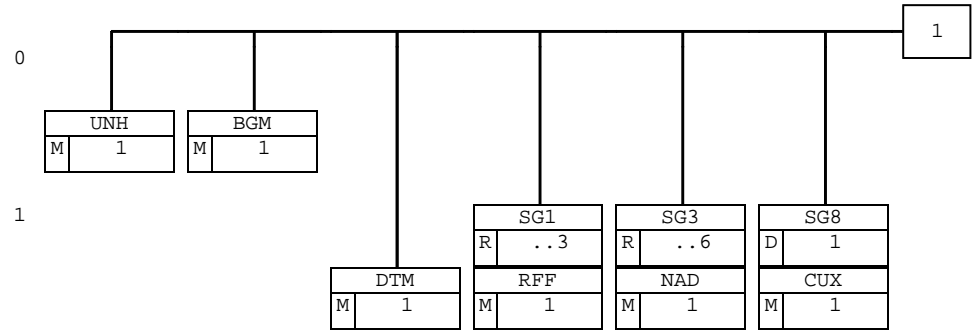
Consistent use of the date/time/period format should be adhered to throughout the entire message. EDIFICE recommends only to use the 'CCYYMMDD' format.

**MESSAGE STRUCTURE CHART**

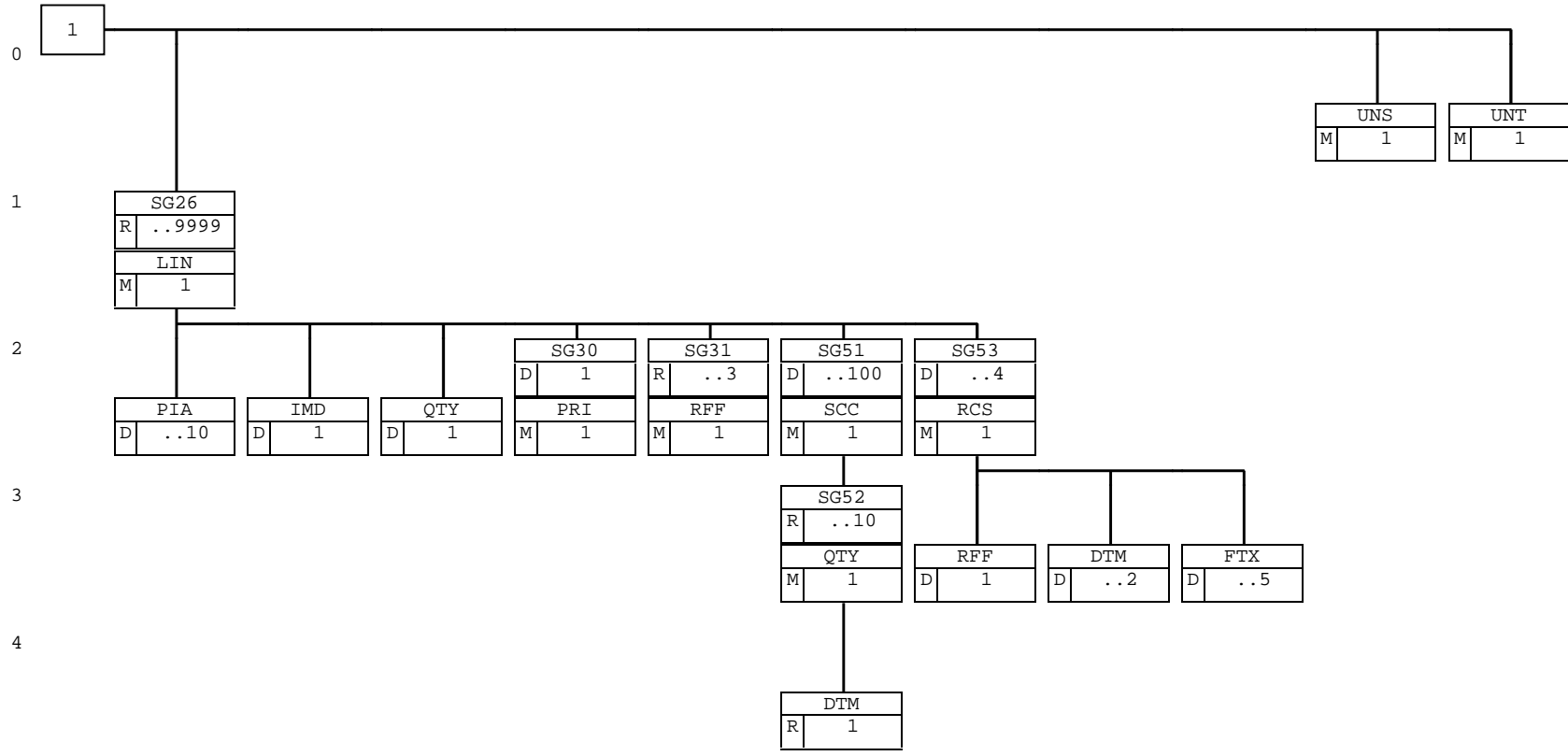
UNH	MESSAGE HEADER	M1
BGM	BEGINNING OF MESSAGE	M1
DTM	DATE/TIME/PERIOD	M1
SG1		R..3
RFF	REFERENCE	M1
SG3		R..6
NAD	NAME AND ADDRESS	M1
SG8		D1
CUX	CURRENCIES	M1
SG26		R..9999
LIN	LINE ITEM	M1
PIA	ADDITIONAL PRODUCT ID	D..10
IMD	ITEM DESCRIPTION	D1
QTY	QUANTITY	D1
SG30		D1
PRI	PRICE DETAILS	M1
SG31		R..3
RFF	REFERENCE	M1
SG51		D..100
SCC	SCHEDULING CONDITIONS	M1
SG52		R..10
QTY	QUANTITY	M1
DTM	DATE/TIME/PERIOD	R1
SG53		D..4
RCS	REQUIREMENTS AND CONDITIONS	M1
RFF	REFERENCE	D1
DTM	DATE/TIME/PERIOD	D..2
FTX	FREE TEXT	D..5
UNS	SECTION CONTROL	M1
UNT	MESSAGE TRAILER	M1



**BRANCHING DIAGRAM**



**BRANCHING DIAGRAM**





## 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 of creation of the message.  
Usage    : M1

---

### **SG1            RFF**

---

Function: A group of segments referencing documents relating to the whole message.  
Usage    : R..3  
Notes    : A Purchase Order Response must refer to the original Purchase Order at header level.

Reference to a preceding received Purchase Order Change Request for each line item should be given at the detail level in the RFF segment in SG31. Only if mutually agreed between trading partners and if this reference is the same for all line items it may be given here and not at detail level.

---

### **RFF            REFERENCE**

---

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

---

### **SG3            NAD**

---

Function: A segment identifying the parties involved and their associated information, relevant to the whole message.  
Usage    : R..6  
Notes    :

---

### **NAD            NAME AND ADDRESS**

---

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

---

### **SG8            CUX**

---

Function: A group of segments specifying the currency, valid for the whole message.  
Usage    : D1  
Notes    : The currency must be specified if prices and/or amounts are sent, and can not be different from that specified in the referenced original Purchase Order.

---

### **CUX            CURRENCIES**

---

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

---

### **SG26          LIN-PIA-IMD-QTY-SG30-SG31-SG51**

---

Function: A group of segments providing details of the individual line items i.e. ordered products or services.  
Usage    : R..9999

Notes : When a line item is acknowledged as 'Accepted without amendment' or 'Deleted', by means of the appropriate code for DE 1229 of the LIN segment, no underlying segments or segment groups of the referenced LIN need be transmitted except for the RFF segments specifying the original Purchase Order line number and a preceding message from the buyer, i.e. preceding Purchase Order Change Request document number.  
When a referenced line is accepted with amendments, all relevant underlying segments or segment groups must be transmitted.  
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 the total of the scheduled quantities is, or needs to be, specified.  
SG30 is used to acknowledge or specify a proposed change in the line item price.  
SG51 is used if scheduling conditions are, or 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, and the action taken.  
Usage : M1

---

**PIA            ADDITIONAL PRODUCT ID**

---

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

---

**IMD            ITEM DESCRIPTION**

---

Function: A segment specifying additional description for the line item.  
Usage : D1

---

**QTY            QUANTITY**

---

Function: A segment specifying the total quantity to be delivered for the line item.  
Usage : D1

---

**SG30           PRI**

---

Function: A group of segments acknowledging or specifying a proposed change in the line item price.  
Usage : D1  
Notes :

---

**PRI            PRICE DETAILS**

---

Function: A segment acknowledging, or specifying a proposed change to the line item price and the qualifying information.  
Usage : M1

---

**SG31           RFF**

---

Function: A group of segments specifying references for the line item.  
Usage : R..3  
Notes :

---

**RFF            REFERENCE**

---

Function: A segment specifying the line item reference number as given by the buyer, or a document reference number.  
Usage : M1

---

**SG51           SCC-SG52**

---

Function: A group of segments specifying requested firm and proposed scheduling conditions.  
Usage : D..100

Notes : Trading partners must agree whether quantities previously ordered and received are included in the underlying QTY segments of SG52.  
In any subsequent message related to the Purchase Order the original sequence of the scheduling conditions as specified on the original order, may not be disrupted. This means that the occurrences of SG51 belonging to one LIN on the original Purchase Order message or a subsequent Purchase Order Change Request message, may not be 'split' over several LIN segments (SG26) in the Purchase Order Response message.  
A single segment group SCC must always precede a single SG52, except when there is a proposal to split the schedule. It is recommended to send the requested schedules before the proposed schedules, either on a one to one basis or grouped together. This must be previously agreed by the trading partners.

---

**SCC SCHEDULING CONDITIONS**

---

Function: A segment specifying a firm delivery.  
Usage : M1

---

**SG52 QTY-DTM**

---

Function: A group of segments specifying the proposed delivery dates and quantities scheduled.  
Usage : R..10  
Notes : Indicates the schedule as proposed by the seller:  
QTY: DE 6063 '113' Quantity to be delivered  
DTM: DE 2005 '67' Delivery date/time, current schedule

---

**QTY QUANTITY**

---

Function: A segment specifying a quantity.  
Usage : M1

---

**DTM DATE/TIME/PERIOD**

---

Function: A segment specifying the corresponding date of the quantity.  
Usage : R1

---

**SG53 RCS-RFF-DTM-FTX**

---

Function: A group of segments specifying embargo information for the line item.  
Usage : D..4  
Notes : The RFF and related DTM segments must be sent where required by local law.  
The FTX segment must only be sent if local law requires text to accompany the embargo information.

---

**RCS REQUIREMENTS AND CONDITIONS**

---

Function: A segment identifying an embargo restriction for the electronics industry.  
Usage : M1

---

**RFF REFERENCE**

---

Function: A segment specifying a reference number to the embargo restriction.  
Usage : D1

---

**DTM DATE/TIME/PERIOD**

---

Function: A segment specifying a date of the reference number.  
Usage : D..2

---

**FTX FREE TEXT**

---

Function: A segment providing free form or coded text information related to the embargo restriction.  
Usage : D..5

---

**UNS SECTION CONTROL**

---

Function: A service segment separating detail and summary section.

Usage : M1

**UNT MESSAGE TRAILER**

---

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

Usage : M1



**UNH MESSAGE HEADER**

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

Usage : M1

Notes : Refer to EDIFICE Utilisation of the UN/EDIFACT Service Segments, Issue 3.

Ref.	Rep.	Name		EDIFICE Utilisation
0062	an..14	M MESSAGE REFERENCE NUMBER	M	Transmission message count from 1
S009		M MESSAGE IDENTIFIER	M	
0065	an..6	M Message type identifier	M	ORDRSP
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	EDOR04
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 :

Ref.	Rep.	Name	EDIFICE Utilisation	
C002		C DOCUMENT/MESSAGE NAME	R	
1001	an..3	C Document/message name, coded	R	231 = Purchase order response
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	
C106		C DOCUMENT/MESSAGE IDENTIFICATION	R	
1004	an..35	C Document/message number	R	Purchase order response number
1056	an..9	C Version	N	
1060	an..6	C Revision number	N	
1225	an..3	C MESSAGE FUNCTION, CODED	R	9 = Original
4343	an..3	C RESPONSE TYPE, CODED	N	

**DTM      DATE/TIME/PERIOD**

Function: A segment specifying the date 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 Purchase order response date
2379	an..3	C Date/time/period format qualifier	R 102 = CCYYMMDD

**SG1 RFF**

**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 qualifier	M ON = Order number (purchase)
1154	an..35	C Reference number	R
1156	an..6	C Line number	N
4000	an..35	C Reference version number	N



**NAD NAME AND ADDRESS**

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

Usage : M1

Notes : It is advised that the party identification CO C082 be used. When CO C082 cannot be used it is recommended to use the structured name and address CO C080 through DE 3207 rather than the unstructured one CO C058.

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

SG8 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 details qualifier	M	2 = Reference currency
6345	an..3	C Currency, coded	R	Use ISO 4217, 3 alpha code
6343	an..3	C Currency qualifier	R	9 = Order currency
6348	n..4	C Currency rate base	N	
C504		C CURRENCY DETAILS	N	
6347	an..3	M Currency details qualifier		
6345	an..3	C Currency, coded		
6343	an..3	C Currency qualifier		
6348	n..4	C Currency rate base		
5402	n..12	C RATE OF EXCHANGE	N	
6341	an..3	C CURRENCY MARKET EXCHANGE, CODED	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, and the action taken.

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. Normally 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	R	The action request code on the Purchase Order Response indicates the action which has been taken by the seller against a requested action on a Purchase Order or Purchase Order Change Request by the buyer.  2 = Deleted Seller deletes a line item from the original Purchase Order following a buyer's Purchase Order Change Request 5 = Accepted without amendment The line item of the referenced message is entirely accepted by the seller 6 = Accepted with amendment The line item of the referenced message is accepted but amended by the seller. This code is also used in the case of an amendment initiated by the seller where it is not in direct response to a buyer Purchase Order Change Request; and in the case of multi drops where no shipping schedule could be established for all drops.  Information about a referenced message for the line item is found in the RFF segment in SG31. If no reference to previously received message (i.e. Purchase Order Change Request) exists in SG31, the referenced message is the original Purchase Order.
C212		C ITEM NUMBER IDENTIFICATION	A	
7140	an..35	C Item number	R	Primary reference
7143	an..3	C Item number type, coded	R	BP = Buyer's part number VP = Vendor's (seller's) part number
1131	an..3	C Code list qualifier	N	
3055	an..3	C Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C829		C SUB-LINE INFORMATION	N	
5495	an..3	C Sub-line indicator, coded		
1082	an..6	C Line item number		
1222	n..2	C CONFIGURATION LEVEL	N	
7083	an..3	C CONFIGURATION, CODED	N	

**PIA ADDITIONAL PRODUCT ID**

Function: A segment providing additional or substitute 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	BP = Buyer's part number EC = Engineering change level VP = Vendor's (seller's) part number
1131	an..3	C Code list qualifier	N	
3055	an..3	C Code list responsible agency, coded	R	91 = Assigned by seller or seller's agent 92 = Assigned by buyer or buyer's agent
C212		C ITEM NUMBER IDENTIFICATION	O	As for first 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 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 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 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 additional description for the line item.

Usage : D1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
7077	an..3	C ITEM DESCRIPTION TYPE, CODED	D	F = Free-form          Description
7081	an..3	C ITEM CHARACTERISTIC, CODED	N	
C273		C ITEM DESCRIPTION	N	
7009	an..17	C Item description identification	N	
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	

**QTY QUANTITY**

Function: A segment specifying the total quantity to be delivered for the line item.

Usage : D1

Notes : The measure unit qualifier used in DE 6411 applies to all the underlying QTY segments.

Ref.	Rep.	Name		EDIFICE Utilisation
C186		M QUANTITY DETAILS	M	
6063	an..3	M Quantity qualifier	M	113 = Quantity to be delivered This is the sum of the underlying QTY segments of SG52, which reflect the new, proposed deliveries.
6060	n..15	M Quantity	M	
6411	an..3	C Measure unit qualifier	R	PCE = piece

SG30 PRI

PRI PRICE DETAILS

Function: A segment acknowledging, or specifying a proposed change to 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 qualifier	M	AAA = Calculation net
5118	n..15	C Price	R	
5375	an..3	C Price type, coded	R	CT = Contract
5387	an..3	C Price type qualifier	N	
5284	n..9	C Unit price basis	R	
6411	an..3	C Measure unit qualifier	R	PCE = piece
5213	an..3	C SUB-LINE PRICE CHANGE, CODED	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.

Reference to the preceding Purchase Order Change Request message for the line item should be given here. Only if mutually agreed between trading partners and if this reference is the same for all line items it may be given at header level in the RFF segment in SG1 and not here.

Ref.	Rep.	Name	EDIFICE Utilisation	
C506		M REFERENCE	M	
1153	an..3	M Reference qualifier	M	CO = Buyer's order number LI = Line item reference number Buyer's original line item number
1154	an..35	C Reference number	D	The buyer's original Purchase Order number.
1156	an..6	C Line number	D	The buyer's original Purchase Order line item number.
4000	an..35	C Reference version number	N	



SG51 SCC-SG52

SCC SCHEDULING CONDITIONS

Function: A segment specifying a firm delivery.

Usage : M1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
4017	an..3	M DELIVERY PLAN STATUS INDICATOR, CODED	M	1 = Firm
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		

SG52 QTY-DTM

**QTY QUANTITY**

Function: A segment specifying a quantity.

Usage : M1

Notes : If a cancellation is proposed the quantity must be set to zero.

Ref.	Rep.	Name		EDIFICE Utilisation
C186		M QUANTITY DETAILS	M	
6063	an..3	M Quantity qualifier	M	113 = Quantity to be delivered Proposed quantity
6060	n..15	M Quantity	M	
6411	an..3	C Measure unit qualifier	N	

SG52 QTY-DTM

DTM DATE/TIME/PERIOD

Function: A segment specifying the corresponding date of the quantity.

Usage : R1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
C507		M DATE/TIME/PERIOD	M	
2005	an..3	M Date/time/period qualifier	M	67 = Delivery date/time, current schedule Delivery date deriving from actual schedule
2380	an..35	C Date/time/period	R	
2379	an..3	C Date/time/period format qualifier	R	102 = CCYYMMDD

RCS REQUIREMENTS AND CONDITIONS

Function: A segment identifying an embargo restriction for the electronics industry.

Usage : M1

Notes : The values entered in this segment are only used to enable access to the following segments in the segment group.

Ref.	Rep.	Name		EDIFICE Utilisation
7293	an..3	M SECTOR/SUBJECT IDENTIFICATION QUALIFIER	M	4 = Electronic industry
C550		C REQUIREMENT/CONDITION IDENTIFICATION	M	
7295	an..17	M Requirement/condition identification	M	EMBARGO
1131	an..3	C Code list qualifier	N	
3055	an..3	C Code list responsible agency, coded	N	
7294	an..35	C Requirement or condition	N	
1229	an..3	C ACTION REQUEST/NOTIFICATION, CODED	N	

**RFF REFERENCE**

Function: A segment specifying a reference number to the embargo restriction.

Usage : D1

Notes :

Ref.	Rep.	Name		EDIFICE Utilisation
C506		M REFERENCE	M	
1153	an..3	M Reference qualifier	M	AEA = Government agency reference number AFE = Export Control Commodity number (ECCN) EB = Embargo permit number EN = Embargo number
1154	an..35	C Reference number	R	
1156	an..6	C Line number	N	
4000	an..35	C Reference version number	N	

SG53 RCS-RFF-DTM-FTX

**DTM DATE/TIME/PERIOD**

Function: A segment specifying a date of the reference number.

Usage : D..2

Notes :

Ref.	Rep.	Name	EDIFICE Utilisation	
C507		M DATE/TIME/PERIOD		
2005	an..3	M Date/time/period qualifier	M	36 = Expiry date 171 = Reference date/time
2380	an..35	C Date/time/period	R	
2379	an..3	C Date/time/period format qualifier	R	102 = CCYYMMDD

**FTX FREE TEXT**

Function: A segment providing free form or coded text information related to the embargo restriction.

Usage : D..5

Notes : This segment must only be present if a declaration is required by law or regulations to be expressed in text.  
 EDIFICE recommends not to use FTX segments.  
 The language must be specified in DE 3453 if required by regulations.  
 Where possible, use CO C107 rather than CO C108.

Ref.	Rep.	Name		EDIFICE Utilisation
4451	an..3	M TEXT SUBJECT QUALIFIER	M	LIN = Line item 1 = Text for subsequent use The occurrence of this text does not affect invoice
4453	an..3	C TEXT FUNCTION, CODED	R	
C107		C TEXT REFERENCE	A	DCS = Destination control statement A statement from the supplier to the customer informing him of legal or other restrictions which limit the resale or re-export of the product.
4441	an..17	M Free text identification	M	
1131	an..3	C Code list qualifier	N	
3055	an..3	C Code list responsible agency, coded	N	
C108		C TEXT LITERAL	D	As for DE 4441
4440	an..70	M Free text	M	
4440	an..70	C Free text	O	
4440	an..70	C Free text	O	
4440	an..70	C Free text	O	
4440	an..70	C Free text	O	
3453	an..3	C LANGUAGE, CODED	D	Use ISO 639

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 : 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 - ORIGINAL PURCHASE ORDER

UNH+1+ORDERS:D:97A:UN:EDPO04'  
BGM+220+PO11223+9'  
DTM+137:19981014:102'  
RFF+CT:9999'  
NAD+BY+AABBCC::92'  
NAD+SE+DDEEFF::92'  
NAD+DP+FACTORYA::92'  
CUX+2:USD:9'  
LIN+1++ITEM222:BP::92'  
PIA+1+12345:VP::91'  
QTY+21:3000:PCE'  
PRI+AAA:5.50:CT::1:PCE'  
RFF+LI::37'  
SCC+1'  
QTY+21:2000'  
DTM+2:19990204:102'  
SCC+1'  
QTY+21:1000'  
DTM+2:19940304:102'  
UNS+S'  
UNT+24+1'

ORDERS D97A Message  
PO Number  
PO Date  
Contract Number  
Buyer code assigned by Buyer - Soldto  
Seller code assigned by Buyer  
Delivery Location code assigned by Buyer  
Order Currency  
Item 1 - Buyer's Part Number  
Item 1 - Seller's Part Number  
Total Quantity Ordered  
Item Price - Contract - PCE units  
PO Item Number  
Schedule 1  
Quantity requested  
Delivery Date requested  
Schedule 2  
Quantity requested  
Delivery Date requested  
Summary  
Number of segments - UNH to UNT

EXAMPLE 2 - PURCHASE ORDER RESPONSE

a) The line item is accepted with amendment:

UNH+1+ORDRSP:D:97A:UN:EDOR04'  
BGM+231+POR001+9'  
DTM+137:19981015:102'  
RFF+ON:PO11223'  
NAD+BY+AABBCC::92'  
NAD+SE+DDEEFF::92'  
CUX+2:USD:9'  
LIN+1+6+ITEM222:BP::92'

PIA+1+12345:VP::91'  
QTY+113:3300:PCE'  
PRI+AAA:5.50:CT::1:PCE'  
RFF+LI::37'  
SCC+1'  
QTY+113:2200'  
DTM+67:19990204:102'  
SCC+1'  
QTY+113:1100'  
DTM+67:19990304:102'  
UNS+S'  
UNT+20+1'

ORDRSP 92.1  
PO Response number  
PO Response date  
Original PO Number  
Buyer code assigned by Buyer - Soldto  
Seller code assigned by Buyer  
Order Currency  
Item 1 - Buyer's Part Number - Accepted with  
amendment  
Item 1 - Seller's Part Number  
Total Quantity Acknowledged  
Price  
PO Item Number  
Schedule 1  
Quantity to be Delivered  
Current Delivery Date  
Schedule 2  
Quantity to be Delivered  
Current Delivery Date  
Summary  
Number of segments - UNH to UNT