

**B&Q**

**EDI Technical Documentation**

EDIFACT Version D96

**IMPORT Purchase Orders for 3PL**

**Version: 1.0**

**Date: December 2016**

Version	Date	Name	Alteration Reason
1.0	19-Dec-2016	Nancy Pathak	Final document for review

## 1. Overview

This specification provides the details of the Import Purchase order message (ORDERS) to be used in Electronic Data Interchange (EDI) in EDIFACT – Version D96 format between B&Q and the supplier/Shipping company.

## 2. Segments Layout

The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the (M)andatory / (C)onditional / (R)equired) indicator, the maximum number of occurrences and the segment description. Descriptions which has been flagged as NULL, means that no data has been assigned to them.

The (R)- Required indicator is mainly used to indicate the segments which are defined as Conditional or optional as per EDIFACT Structure , but is Required as part of B&Q data.

## 3. Interchange structure and service segments

- The interchange structure in an EDIFACT transmission is organised in several grouping levels. The service segments are the envelope of the groups.
- The first service segment possible in an interchange is the 'UNA' segment which is used to define the separators being used in the interchange.
- The second service segment, "UNB", indicates the beginning of the interchange.
- The last service segment, "UNH", indicates the beginning of a given message.
- To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

Service string advice:                   UNA  
Interchange envelope:                UNB .... UNZ  
Message envelope:                    UNH .... UNT

A segment consists of:

- A segment tag: identifies the segment type
- Data element separators
- Component Data elements
- A segment terminator

#### 4. Separators

Apostrophe	'	=	segment terminator
Plus sign	+	=	segment tag and data element separator
Colon	:	=	component data element separator
Question Mark	?	=	release character; immediately preceding one of the service characters, it restores their normal meaning. E.g. 10?+10=20 means 10+10=20

#### 5. Conventions

The following conventions apply in the present documentation:

- a..3 up to 3 alphabetic characters
- n..3 up to 3 numeric characters
  
- an..3 up to 3 alpha-numeric characters

#### 6. Segment detail structure

All the service segments and the message groups has been detailed in the below descriptions.

An Example of an EDIFACT segment has been mentioned to identify the segment separators and the data values.

**DTM+137:19940101:102'**

DTM	=	Tag of the "Date" segment;
+	=	separator;
137	=	Qualifier to indicate the date is the Message Date;
:	=	separator of data elements within a composite (here, the date qualifier and the date);
20160101	=	the date;
:	=	separator of data elements within a composite (here, the date and the date format qualifier);
102	=	Qualifier to indicate the format of the date (CCYYMMDD);

' = Segment terminator.

## 7. Message Structure Chart

TAG	SEGMENT NAME	Mandatory(M)/Required(R)	Number of Repeats
UNA	Service String	M	1
UNB	Interchange Header	M	1
UNH	Message header	M	1
BGM	Message beginning	M	1
DTM	Document Date	M	2
	<b>SEGMENT GROUP 1</b>	R	3
NAD	Trading Parties Details	M	1
LOC	Place/location identification	R	1
	<b>SEGMENT GROUP 2</b>	R	1
CUX	Currency Information	M	1
	<b>SEGMENT GROUP 3</b>	R	1
PAT	Term Details	R	1
	<b>SEGMENT GROUP 4</b>	R	9999
LIN	Line item	M	1
PIA	Product Details	R	1
IMD	Item Description	R	1
MEA	Item Measurements	R	1
QTY	UOM & Quantity details	R	1
DTM	Date/Time/Period	R	1
MOA	Monetary Amount	R	1
GIN	Identity Number	R	1
	<b>SEGMENT GROUP 5</b>	R	1
PRI	Price Details	M	1
UNS	Section Control	M	1
MOA	Total Monetary Amount	R	1
UNT	Message trailer	M	1
UNZ	Message End	M	1

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNA	:		M		
	UNA1	Component Data element separator	M	an.1	Is used to separate two simple or composite data elements : (colon)
	UNA2	Data element separator	M	an.1	Is used to separate data elements – +(plus sign )
	UNA3	Decimal notation	M	an.1	Decimal notation character . (fulstop)
	UNA4	Release character	M	an.1	Used to restore the separator and the terminator signs to their original specification ? (Question Mark)
	UNA5	Reserved for future use	R	an.1	(Space Character )
	UNA6	Segment terminator	M	an.1	Used to indicate the end of segment data ' (Apostrophe )

**Remarks:**

This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.

**Example:**

UNA:+.? '

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION			
UNB	+				SYNTAX IDENTIFIER	M		
		0001			SYNTAX IDENTIFIER	M	an.4	Default Value =UNOC
		0002	:		Syntax version number	M	n.1	Default Value = 3
					INTERCHANGE SENDER			
		0004	+		Sender identification	M	an.35	Transmit through GXS VAN network. B&Q ANA Identity B&Q Live = '5013546018962' B&Q Test = '5013546226525'
		0007	:		Partner Identification Code Qualifier	C	an.4	Sender Code Qualifier
					INTERCHANGE RECIPIENT			
		0010	+		Recipient identification	M	an.35	Supplier's ANA code
		0007	:		Partner Identification Code Qualifier	C	an.4	Supplier code Qualifier
					DATE/TIME OF MESSAGE			
		0017	+		Date	M	n.6	YYMMDD
		0019	:		Time	M	n.6	HHMMSS
		0020	+		Interchange control reference	M	an.14	Unique reference identifying the interchange. Created by the interchange sender.
					REFERENCE	R		
		0022	+		Recipient reference	M	an.14	Message identification New Order--- <b>ORDERS</b> Amend/Revised/Cancel Order----- <b>ORDCHG</b>

**Remarks:**

This segment is used to envelope the interchange and also to identify the party for whom the interchange is intended and the party who has sent the interchange.

**Example:**

UNB+UNOC:3+5013546226525+8798765432106:12+160505:1000+00000012345555+ORDERS'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNH	+			MESSAGE REF. NUMBER	M	an.14	Sender's unique message reference. Sequence number of the messages in the interchange.
				MESSAGE IDENTIFIER	M		
		0065	+	Message Type Identifier	M	an.6	New Order--- <b>ORDERS</b> Amend/Revised/Cancel Order----- <b>ORDCHG</b>
		0052	:	Message type version number	M	an.3	D ( UN/EDIFACT Directory)
		0054	:	Message type release number	M	an.3	96A ( Release 1996 – A )
		0051	:	Controlling agency	M	an.2	Default value= UN
		0057	:	Association assigned code	R	an.6	Default value= EAN008

**Remarks:**

This segment is used to head, identify and specify a message.

**Example:**

UNH+00000000000001+ORDERS:D:96A:UN:EAN008'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
BGM	+				BEGINNING OF MESSAGE	M	
		1001		Message name code	R	an.3	Default Value= 230
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code list Agency	C	an.3	Not required
		1004	+	Message number	R	an.35	Purchase Order Number (Upto 9 digits)
		1225	+	Message function code number	R	an.3	Default Value= 9 (Resemble Original purchase order transmission- ORDERS) Default Value= 7 (Resemble order where re-transmission has performed with same PO number- ORDCHG)

**Remarks:**

This segment is used to indicate the type and function of a message and to transmit the Purchase Order number.

**Example:**

BGM+230::9+100012345+9'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
DTM	+				DATE/TIME/PERIOD	M	
		2005		Date qualifier	M	an.3	Default value= 137(Resemble Document date code )
		2380	:	Date	R	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	R	an.3	Default value= 102 (Resemble Latest PO Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the latest purchase order date i.e. the date when the PO is Official and sent to the trading party.

**Example:**

DTM+137:20160511:102'



SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
DTM	+	DATE/TIME/PERIOD	M			
	2005	Date qualifier	M	an.3	Default value= 232	
	2380	:	Date	R	an.35	Date in CCYYMMDD format
	2379	:	Date format qualifier	R	an.3	Default value= 102  (Resemble Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the LRD (Date) for the order.

**Example:**

DTM+232:20160614:102'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
NAD	+	NAME & ADDRESS	M			
	3035	Party qualifier	M	an.3	Default value= BY (Resemble Buyer )	
		PARTY DETAILS	M			
	3039	+	Party Id Identification	M	an.35	Country OPCO code as UK: BQ10;
	1131	:	Code list Qualifier	C	an.3	Not required
	3055	:	Party Id Code	R	an.3	Default value= 92
		PARTY NAME & ADDRESS	M			
	3124	+	Buyer Name	M	an.35	B&Q
	3124	:	Buyer Address Line 1	C	an.35	Address of the company
	3124	:	Buyer Address Line 2	C	an.35	Address of the company
	3124	:	Buyer Address Line 3	C	an.35	Address of the company

		3124	:	Buyer Address Line 4	C	an.35	Address of the company
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**Remarks:**

This segment is used to identify the trading partners involved in the Order process. Identification of Buyer Party is mentioned.

**Example:**

NAD+BY+BQ10::92+B&Q:B&Q HOUSE'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C	PIC	DESCRIPTION
LOC	+			LOCATION	R		
		3227		Location qualifier	M	an.3	Default value= 7 (Resemble Place of delivery )
				LOCATION IDENTIFIER	M		
		3225	+	Location Identification	R	an.25	B&Q Location Site Codes
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code List	R	an.35	Default value= 92 (Codes assigned by a buyer )
		3224	:	Location name	R	an.70	Name of the B&Q Site

**Remarks:**

This segment is used to indicate any location related to the party specified in the NAD segment.

**Example:**

LOC+7+D002::92:SWINDON RDC'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C	PIC	DESCRIPTION
NAD	+	NAME & ADDRESS	M		
	3035	Party qualifier	M	an.3	Default value= CZ (Resemble Consignor )
		PARTY DETAILS	M		
	3039	Party Id Identification	M	an.35	3PL Vendor Code
	1131	: Code list Qualifier	C	an.3	Not required
	3055	: Party Id Code	R	an.3	Default value= 92
		PARTY NAME & ADDRESS	M		
	3124	+ Consignee Name	M	an.35	3PL Company Name (e.g. DAMCO; YUSEN etc.)
	3124	: Address Line 1	C	an.35	Address of the Company
	3124	: Address Line 2	C	an.35	Address of the Company
	3124	: Address Line 3	C	an.35	Address of the Company
	3124	: Address Line 4	C	an.35	Address of the Company

**Remarks:**

This segment is used to identify the trading partners involved in the Order process. Identification of Consignee Party is mentioned.

**Example:**

NAD+CZ+501354::92+3PL COMPANY:3PL ADDRESS'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
LOC	+	LOCATION	R		
	3227	Location qualifier	M	an.3	Default value= 9 (Resemble Port of Loading code )
		LOCATION IDENTIFIER			

		3225	+	Location Identification	R	an.25	Name of the loading port
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code List	R	an.35	Default value= 92 (Codes assigned by a buyer )
		3224	:	Location	R	an.70	Name of the loading country.

**Remarks:**

This segment is used to indicate the place and port location.

**Example:**

LOC+9+YAN::92:CN'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
NAD	+	NAME & ADDRESS	M		
	3035	Party qualifier	M	an.3	Default value= SH (Resemble Shipper )
		PARTY DETAILS	R		
	3039	Party Id Identification	M	an.35	Vendor Code
	1131	Code list Qualifier	C	an.3	Not required
	3055	Party Id Code	M	an.3	Default value= 92

**Remarks:**

This segment is used to identify the trading partners involved in the Order process. Identification of SHIPPER Party is mentioned.

**Example:**

NAD+SH+501004::92'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
LOC	+				LOCATION	R	
		3227		Location qualifier	M	an.3	Default value= 11(Resemble Port of Discharge code )
				LOCATION IDENTIFIER	R		
		3225	+	Location Identification	R	an.25	Name of the Discharge port
		1131	:	Code list Qualifier	C	an.3	Not required
		3039	:	Code List	C	an.35	Default value= 92 (Codes assigned by a buyer )
		3224	:	Location	R	an.70	Name of the Discharge country.

**Remarks:**

This segment is used to indicate the place and port location.

**Example:**

LOC+9+FEI::92:GB'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
CUX	+				CURRENCY DETAILS	M	
		6347		Currency code qualifier	M	an.3	Default value= 2 (Resemble Reference Currency)
		6345	:	Currency	R	an.3	Currency of the order
		6343	:	Currency qualifier	R	an.3	Order Currency qualifier

						For currency 'GBP' the default qualifier =9
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**Remarks:**

This segment is used to provide Currency details for the message.

**Example:** CUX+2:GBP:9

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C /R	PIC	DESCRIPTION		
PAT	+				TERMS DETAILS	R	
		4279		Payment Terms type qualifier	M	an.3	Default value= 1 (Resemble Basic terms)
				PAYMENT & TRADING TERMS	R		
		4277	+	Identification code	M	an.17	Default value= ZZZ (Resemble mutually defined code)
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code list agency code	C	an.3	Not required
		4276	:	Terms details	R	an.35	Payment Term details
		4276	:	Terms details	R	an.35	Trading Term details

**Remarks:**

This segment is used to provide Payment & trading term details for the order.

**Example:** PAT+1+ZZZ:::0001:FOB'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
LIN	+			LINE ITEM DETAILS	M		
		1082	+	Line item number	R	n.6	Application generated number of the count of the order line.
		1229	+	Action Request code	R	an.3	New Order- NULL Changed Order- Default Values as below: 1 (Added Line) 2 (Deleted Line) 3 (Revised Line)
				ITEM NUMBER IDENTIFICATION	R		
		7140	+	Item number	R	an.35	EAN Code for the article
		7143	:	Item loading count Number type code	R	an.3	Default value= EN  Code for International Article numbering Association (EAN)

**Remarks:**

This segment is used to provide the EAN details of the product ordered.

**Example:**

LIN+1++5412345110001:EN'

LIN+1+**3**+ 5412345110002:EN' – Line 2 shows that the provided line details has been **revised**.

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
PIA	+			ITEM DETAILS	R		
		4347		ITEM ID qualifier	M	an.3	Default value= 5
				ITEM Number	M		
		7140	+	Article Number	R	an.35	Article Number of the product
		7143	:	Code Type	R	an.3	Default value= IN (Resemble Buyer Item Number )
		3055	:	Code List	R	an.3	Default value= 9 (Codes assigned by a buyer )
		7140	+	Merchandising Category Number	M	an.35	Merchandising Category code Number of the product
		7143	:	Code Type	R	an.3	Default value= SN (Resemble Serial Number )
		3055	:	Code List	R	an.3	Default value= ZZZ (Mutually defined code )

**Remarks:**

This segment is used to specify buyer's Item/article number and merchandising category code number.

**Example:**

PIA+5+25588903:IN:92+50485556:SN:ZZZ'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
IMD	+			ITEM DETAILS	R		
		7077		Item Type	R	an.3	Default value= E Resemble Free Form Short description.
		7081	+	Characteristic code	C	an.3	Not required



			ITEM DESCRIPTION	C		
	7009	+	Item Description Identification	C	an.17	Not required
	1131	:	Code list Qualifier	C	an.3	Not required
	3055	:	Code list Responsible	C	an.3	Not required
	7008	:	Item description 1	C	an.35	Description of the Ordered product
	7008	:	Item description 2	C	an.35	Description of the Ordered product

**Remarks:**

This segment is used to describe the ordered line item.

**Example:**

IMD+E++:::CORN CRISPIES:CASE'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
MEA	+	MEASUREMENTS	R		
	6311	Measurement Qualifier	M	an.3	Default value= ABA Resemble UOM (Unit of measure) used for ordered quantities.
		MEASUREMENT DETAILS	R		
	6313	Measurement dimension	M	an.3	Default value= ACP Resemble Estimated Volume)
	6321	Measurement code	R	an.3	Default Value = 4 (Equal To)
	6155	Measurement Attribute code	C	an.3	Not required
	6154	Measurement attribute	R	an.70	Volume Value with units
		VALUE/RANGE	R		

	6411	+	Measure unit Qualifier	M	an.3	Default value= KGM
	6314	:	Measurement value	M	n..18	Gross Weight of the product

**Remarks:**

This segment is used to specify the unit of measure & measurement value (Dimension & Weight) for the item ordered.

**Example:**

MEA+ABA+ACP+4::65M3+KGM:20'

The line item volume is equal to 65M3 and the gross Weight is 20 KGM.

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
QTY	+	QUANTITY DETAILS	R		
	6063	Quantity Qualifier	M	an.3	Default value= 21 Resemble quantity being ordered.
	6060	Quantity	M	n.17	Number of product
	6411	Measure unit qualifier	R	an.3	Default value= EA (Resemble a single (EACH) article)

**Remarks:**

This segment is used to specify the total quantity ordered for the current line

**Example:**

QTY+21:10:EA'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	R		
		2005		Date qualifier	M	an.3	Default value= 2 (Resemble Delivery date)
		2380	:	Date	R	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	R	an.3	Default value= 102 (Resemble Delivery date format in CCYYMMDD)

**Remarks:**

This segment is used to specify the requested delivery date for the line Item.

**Example:**

DTM+2:20160510:102'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
MOA	+			MONETARY AMOUNT	R		
		5025		Monetary Amount Type qualifier	M	an.3	Default value= 203 (Resemble Line Item amount code)
		5004	:	Monetary Amount	R	n.18	Line item Amount

**Remarks:**

This segment is used to provide the line Item amount.

**Example:**

MOA+203:220.000'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
GIN	+			GOODS ITEM DETAILS	R		
		7405		Identity Number qualifier	M	an.3	Default value= BX (Resemble Identification Number code)
				IDENTITY NUMBER RANGE	M		
		7402	+	Identity number	M	an.35	Vendor Sub Range Information

**Remarks:**

This segment is used to provide the vendor Sub Range information for each product.

**Example:**

GIN+BX+SUB001'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
PRI	+			PRICE INFORMATION	M		
		5125		Price qualifier	M	an.3	Default value= AAA (Resemble Net Amount code)
		5118	:	Total Price	R	n.15	Net Price for the Line

**Remarks:**

This segment is used to provide the NetPrice for the line Item.

**Example:**

PRI+AAA:22'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C	PIC	DESCRIPTION
UNS	+			SECTION CONTROL	M		
		0081		Section Identification	M	a.1	Default value= S (Resemble section separation)

**Remarks:**

This segment is used to separate the detail and summary sections of the message.

**Example:**

UNS+S'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
MOA	+			MONETARY AMOUNT	R		
		5025		Monetary Amount Type qualifier	M	an.3	Default value= 79 (Resemble Line Item amount code)
		5004	:	Monetary Amount	M	n.18	Total Line item Amount

**Remarks:**

This segment is used to provide the total amount for the Order.

**Example:**

MOA+79:220'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C	PIC	DESCRIPTION			
UNT	+				MESSAGE TRAILER			
		0074			Number of segments in a message	M	n.6	Total number of segments in the message
		0062			Message reference number	M	an.14	The message reference numbered detailed here should equal the one specified in the UNH segment

**Remarks:**

This segment is used to separate the detail and summary sections of the message.

**Example:**

UNT+12+ 00000000000001'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C	PIC	DESCRIPTION			
UNZ	+				INTERCHANGE TRAILER			
		0036			Interchange Control Count	M	n.6	Number of messages or functional groups within the interchange.
		0020			Interchange Control reference	M	an.14	The message reference numbered detailed here should equal the one specified in the UNB segment

**Remarks:**

This segment is used to provide the trailer of an interchange.

**Example:**

UNZ+1+0000001234555'