

**B&Q**

**EDI Technical Documentation**

EDIFACT Version D96

**IMPORT SHIPMENT (IFTSTA)**

**Version: 1.0**

**Date: December 2016**

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1.0	19-Dec-2016	Nancy Pathak	Final document for review

## 1. Overview

This specification provides the details of the Import Shipment message (IFTSTA) 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.

## 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 Structure

All the service segments and the segment 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

Here collections of segments repeat as a group, which is mentioned as segment groups. **Number of Repeats** defines the number of times a particular segment or segment group may repeat.

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	R	6
	<b>SEGMENT GROUP 1</b>	M	1
NAD	Trading Parties Details	M	2
	<b>SEGMENT GROUP 2</b>	M	1
CNI	Consignment Information	M	1
	<b>SEGMENT GROUP 3</b>	M	1
STS	Status of the consignment	M	1
RFF	Reference related to consignment	M	1
LOC	Delivery location for the consignment	M	1
	<b>SEGMENT GROUP 4.0</b>	M	99
GID	Item Details	M	1
	<b>SEGMENT GROUP 4.1</b>	M	99
MEA	UOM & Quantity details	M	1
	<b>SEGMENT GROUP 4.2</b>	M	99
PCI	Pallet Details	M	1
GIN	EAN Code of the Item	M	1
UNT	Message trailer	M	1
UNZ	Interchange trailer	M	1

Segments structure layer is defined as below:

UNA .....	Service String	}	Technical layer
UNB .....	Interchange Header		
UNH .....	Message header		
BGM .....	Message beginning	(Type = Shipment)	}
DTM(1) .....	Document Date	(Shipment document date)	
DTM(2).....	Reference Dates related to container	(CRD Date)	
DTM(3).....	Reference Dates related to container	(ETD Date)	
DTM(4).....	Reference Dates related to container	(ETA Date)	
DTM(5).....	Reference Dates related to container	(ATD Date)	
DTM(6).....	Reference Dates related to container	(ATA Date)	
NAD (1).....	Trading Parties Details	(Buyer party e.g. B&Q)	}
NAD(2) .....	Trading Parties Details	(Consigner party e.g. 3PL)	
CNI .....	Consignment Information	(Container ID)	
STS .....	Status of the consignment	(Collected, Loaded, Delivered)	
RFF .....	Reference related to consignment	(PO number)	
LOC .....	Delivery location for the consignment	(DC/RCC name)	
GID .....	Item Details		}
MEA .....	UOM & Quantity details		
PCI .....	Pallet Details	(Container number)	
GIN.....	EAN Code of the Item		
UNT .....	Message trailer		
UNZ .....	Interchange trailer		

**Message segment as below for multiple Item details for a single PO :**

UNA .....	Service String	}	Technical layer
UNB .....	Interchange Header		
UNH .....	Message header		
BGM .....	Message beginning	(Type = Shipment)	}
DTM(1) .....	Document Date	(Shipment document date)	
DTM(2).....	Reference Dates related to container	(CRD Date)	
DTM(3).....	Reference Dates related to container	(ETD Date)	
DTM(4).....	Reference Dates related to container	(ETA Date)	
DTM(5).....	Reference Dates related to container	(ATD Date)	
DTM(6).....	Reference Dates related to container	(ATA Date)	
NAD (1).....	Trading Parties Details	(Buyer party e.g. B&Q)	}
NAD (2) .....	Trading Parties Details	(Consigner party e.g. 3PL)	
CNI .....	Consignment Information	<b>(Unique Container ID)</b>	
STS .....	Status of the consignment	(Collected, Loaded, Delivered)	
RFF .....	Reference related to consignment	(PO number)	
LOC .....	Delivery location for the consignment	(DC/RCC name)	
GID .....	<b>Item A Details</b>		}
MEA .....	UOM & Quantity details	(Container number)	
PCI .....	Pallet Details		
GIN.....	EAN Code of the Item		
GID .....	<b>ItemB Details</b>		}
MEA .....	UOM & Quantity details	(Container number)	
PCI .....	Pallet Details		
GIN.....	EAN Code of the Item		
UNT .....	Message trailer		
UNT .....	Interchange trailer		

**Message segment as below for Single Item details for multiplePO :**

UNA .....	Service String	}	Technical layer
UNB .....	Interchange Header		
UNH .....	Message header		
BGM .....	Message beginning	(Type = Shipment)	}
DTM(1) .....	Document Date	(Shipment document date)	
DTM(2).....	Reference Dates related to container	(CRD Date)	
DTM(3).....	Reference Dates related to container	(ETD Date)	
DTM(4).....	Reference Dates related to container	(ETA Date)	
DTM(5).....	Reference Dates related to container	(ATD Date)	
DTM(6).....	Reference Dates related to container	(ATA Date)	
NAD (1).....	Trading Parties Details	(Buyer party e.g. B&Q)	}
NAD (2) .....	Trading Parties Details	(Consigner party e.g. 3PL)	
CNI .....	Consignment Information	<b>(Unique Container ID)</b>	
STS .....	Status of the consignment	(Collected, Loaded, Delivered)	
RFF .....	Reference related to consignment	<b>(PO number 1 )</b>	}
LOC .....	Delivery location for the consignment	(DC/RCC name)	
GID .....	<b>Item A Details</b>		}
MEA .....	UOM & Quantity details		
PCI .....	Pallet Details	(Container number)	
GIN.....	EAN Code of the Item		
RFF .....	Reference related to consignment	<b>(PO number 2 )</b>	}
LOC .....	Delivery location for the consignment	(DC/RCC name)	
GID .....	<b>Item B Details</b>		}
MEA .....	UOM & Quantity details		
PCI .....	Pallet Details	(Container number)	
GIN.....	EAN Code of the Item		
UNT .....	Message trailer		
UNZ .....	Interchange trailer		

## 8. Message Segment Details

The detail of each segment with the descriptions is as follows:

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
UNA	:		M			
	UNA1	+	Data element separator	M	an.1	Is used to separate two simple or composite data elements (default value : + )
	UNA2		Decimal notation	M	an.1	Is used to indicate the character used for decimal notation (default value : . )
	UNA3		Release character	M	an.1	Used to restore the separator and the terminator signs to their original specification (default value: ? )
	UNA4		Reserved for future use	M	an.1	(default value : space )
	UNA5		Segment terminator	M	an.1	Used to indicate the end of segment data (default value : ' )

**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	Supplier's ANA code		
		0007	:	Sender Qualifier	C	an.4	ANA Qualifier		
				INTERCHANGE RECIPIENT					
		0010	+	Recipient identification	M	an.35	B&Q ANA Identity B&Q Live Mailbox = '5013546018962' B&Q Test Mailbox = '5013546226525'		
		0007	:	Sender Qualifier	C	an.4	ANA 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				
		0026	+	Application reference	R	an.14	Message identification if the interchange contains only one type of message.		
<b>Remarks:</b>									
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+5013546018962:12+5013546226525+160505:1000+12345555+IFTSTA'

UNB+UNOC:3+XXXEDITST:14+5013546226525+161017:1701+47++IFTSTA+B+++1' ( including the Not required null segments)

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNH	+	0062		Message reference 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	IFTSTA
		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= EAN003

**Remarks:**

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

**Example:**

UNH+000000000000001+IFTSTA:D:96A:UN:EAN003'

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
BGM	+			BEGINNING OF MESSAGE	M		

		1001		Message name code	R	an.3	Default Value= 23
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code List	C	an.3	Not required
		1000	:	Message name	C	an.35	SHIPMENT
		1004	+	Document Number	M	an.35	Unique Container ID
		1225	+	Message function code number	C	an.3	Default Value= 9 (Resemble original message)

**Remarks:**

This segment is used to indicate the type and function of an ASN message

**Example:**

BGM+23::SHIPMENT+CNI00000123+9'

**DTM (1) SEGMENT:**

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

**Remarks:**

This segment is used to specify the date of the ASN message.

**Example:**

DTM+137:20160511:102'

**DTM (2) SEGMENT:**

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 50 (Goods Receipt date code )
		2380	:	Date	M	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the Cargo (goods) Receipt date.

**Example:**

DTM+50:20160511:102'

**DTM (3) SEGMENT:**

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 133 (Resemble Estimated Shipping date code )
		2380	:	Date	M	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the Expected departure date of the goods.

**Example:**

DTM+133:20160511:102'

**DTM (4) SEGMENT:**

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 132 (Estimated Arrival date code )
		2380	:	Date	M	an.35	Date in CCYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102  (Resemble Date in format CCYMMDD)

**Remarks:**

This segment is used to specify the estimated arrival date of the goods.

**Example:**

DTM+132:20160614:102'

**DTM (5) SEGMENT:**

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 186 (ACTUAL Departure date code )

		2380	:	Date	M	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the ACTUAL Departure / loading date of the goods.

**Example:**

DTM+186:20160614:102'

**DTM (6) SEGMENT:**

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
DTM	+			DATE/TIME/PERIOD	C		
		2005		Date qualifier	M	an.3	Default value= 178 (ACTUAL Arrival date code )
		2380	:	Date	M	an.35	Date in CCYYMMDD format
		2379	:	Date format qualifier	M	an.3	Default value= 102 (Resemble Date in format CCYYMMDD)

**Remarks:**

This segment is used to specify the ACTUAL arrival date of the goods.

**Example:**

DTM+178:20160614:102'

SEGMENT		SEGMENT NO.	SEGMENT NAME	M/C	PIC	DESCRIPTION	
NAD	+		NAME & ADDRESS	M			
		3035	Party qualifier	M	an.3	Default value= BY (Resemble Buyer )	
			PARTY DETAILS				
		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	M	an.3	Default value= 92
				PARTY NAME & ADDRESS			
		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 2	C	an.35	Address of the company
		3124	:	Buyer Address Line 2	C	an.35	Address of the company

**Remarks:**

This segment is used to identify the trading partners .Identification of Buyer Party is mentioned.

**Example:**

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

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	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	M	an.3	Default value= 92
				PARTY NAME & ADDRESS	M		
		3124	+	Consignor 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. Identification of Consignor Party is mentioned.

**Example:**

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

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
CNI	+				CONSIGNMENT INFORMATION	M	
		1490		Consolidation item number	M	an.3	Serial number
				MESSAGE DETAILS			
		1004	+	Reference number	M	an.35	Unique Container ID



**Remarks:**

This segment is used to identify a consignment.

**Example:**

CNI+1+CN605170001'

SEGMENT		SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION	
STS	+		DETAILS OF STATUS	M			
		9015	Status Type Code	M	an.3	Default value= 1 (Resemble Transport qualifier )	
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code list agency code	C	an.3	Not required
				STATUS EVENT	R		
		9011	+	Event codes	M	an.3	Default value for Status. 13= COLLECTED 48= LOADED 21= DELIVERED
		1131	:	Code list Qualifier	C	an.3	Not required
		3055	:	Code List Agency	C	an.3	Not required
		9010	:	Status Event Details	C	an.35	Details of the event in free Text.

**Remarks:**

This segment is used to provide status information for the consignment.

**Example:**

STS+1+21'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
RFF	+	REFERENCE	R		
	1153	Reference qualifier	M	an.3	Default value= ON
	1154	: Reference number	M	an.35	Purchase Order Number

**Remarks:**

This segment is used to specify the order number of the shipment.

**Example:**

RFF+ON:100008791

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
LOC	+	LOCATION	M		
	3227	Location qualifier	M	an.3	Default value= 1(Resemble Place of delivery code )
		LOCATION IDENTIFIER	M		
	3225	+ Location Identification	M	an.25	B&Q delivery location code
	1131	: Code list Qualifier	C	an.3	Not required
	3055	: Code List Agency	C	an.3	Not required
	3224	: Location	R	an.70	B&Q Location Name

**Remarks:**

This segment is used to indicate the location details.

**Example:**

LOC+1+D002:::DONCASTER DC'

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
GID	+		GOODS ITEM DETAILS	M			
		1496	Item Number	M	n.5	Line Number for the Items. (Line number should match with the line item number as sent in the order)	
			QUANTITY & PACKAGE				
		7224	:	Number of items	M	an.3	Quantity of the items
		7065	:	Type of Package	C	an.3	Default value= X13 Resemble Container

**Remarks:**

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

**Example:**

GID+1+2:X13

SEGMENT	SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION		
MEA	+		MEASUREMENTS	M			
		6311	Measurement Qualifier	M	an.3	Default value= ABA Resemble UOM (Unit of measure) used for ordered quantities.	
			MEASUREMENT DETAILS				
		6313	+	Measurement code	C	an.3	Not required
			VALUE	C			
		6411	+	Measure unit qualifier	M	an.3	Default value= EA (Resemble a single (EACH) article)
		6314	:	Measurement value	R	n.18	Value expressed for unit EACH

**Remarks:**

This segment is used to specify the unit of measure & measurement value for the items shipped.

**Example:**

MEA+ABA++EA:1' - The line item has been shipped in Each.

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
PCI	+			PACKAGE DETAILS	M		
		4233	+	Marking Code	M	an.3	Default value= 16 Resembles that the marking is needed as per B&Q requirements.
				SHIIPING MARKS	M		
		7102	+	Reference Mark	R	an.35	Container number

**Remarks:**

This segment is used to provide label and marking details for the consignment.

**Example:**

PCI+16+VN12345678901

SEGMENT		SEGMENT NO.		SEGMENT NAME	M/C/R	PIC	DESCRIPTION
GIN	+			MESSAGE TRAILER	M		
		7405		Identity number qualifier	M	an.3	Default Value= EU Resemble EAN code / UPC Number
				IDENTITY NUMBER RANGE	M		
		7402		Identity number	M	an.35	EAN code of the item as specified in the order.

**Remarks:**

This segment is used to provide the EAN code / UPC ID/ OPCOItemCode of the item for the product identification

**Example:**

GIN+EU+5013000012345'

SEGMENT		SEGMENT NO.	SEGMENT NAME	M/C/R	PIC	DESCRIPTION
UNT	+		MESSAGE TRAILER	M		
		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/R	PIC	DESCRIPTION
UNZ	+		INTERCHANGE TRAILER	M		
		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+0000009234555'