

# B&Q HU ASNs

Vendor EDI Technical Documentation

Delivery Notifications for Replenishment Purchase Orders

DC SUPPLY ROUTE

**Version: 1.3**

**Date: October 2019**

# Advance Shipping Notifications

## 1.1 Introduction

Vendors will be asked to send Advanced Shipping Notifications (ASNs) to notify B&Q of the quantities that will be delivered against each line in a purchase order.

B&Q have chosen to use the Tradacoms Delivery Notification Version 9 file format.

Additional segments in the Tradacoms message will be used to support deliveries made to B&Q's network of Distribution Centres (DCs)

ASNs will then support all operational stock movements including Stocked Lines (DC)

## 1.2 Key Design Principles

The following basic principles have been used in the design of the EDI message:

1. We require one ASN per physical delivery load
2. This means that if a purchase order is fulfilled over two physical delivery loads then B&Q will require two separate ASN messages, one for each load
3. A purchase order line item can therefore appear on more than one ASN
4. An ASN for a PO must describe line-item details together with how they have been packed into handling units.
5. Handling units must be referenced on the ASN as having a unique pallet identifier, our preference for this is the use of the SSCC barcoding (GS1 Standard)
6. As part of the ASN generation you must attach a barcode label to the physical pallet, which identifies the pallet as per the Handling Unit number provided on the ASN
7. You must provide B&Q with a summary delivery manifest, which shows the ASN number of the delivery and a summary of the Handling Unit numbers on the delivery load.
8. This therefore means you no longer need to provide B&Q with the detailed delivery notes.

## 1.3 Development Considerations

In order to handle these messages correctly it is necessary to impose strict controls concerning the data segments contained within the ASN.

It is a requirement that ASN messages contain **only those segments and Data elements specifically detailed** within the 'Delivery Notification (Proposed Delivery)' file formats detailed below.

In the event that additional segments or data elements are included within the message, they may be ignored, or a request will be made for these superfluous data elements to be removed from the message.

1.4 Delivery Notification (Proposed Delivery Version 9 File Format)

START OF TRANSMISSION SEGMENT - END OF TRANSMISSION SEGMENT

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
			START OF TRANSMISSION	M					
STX	=	STDS	Syntax Rules Identifier	M					
			-Identifier	M	V	X (4)	Value = 'ANA'	X	
			-Version	M	F	9 (1)	Value = '1'	X	
		+	FROM	Identification of Transmission	M				
			Sender	M	V	X(14)	Vendor ANA Code		
			- Code	C	V	X(35)	Vendor Name	X	
			- Name						
		+	UNTO	Identification of Transmission	M				
			Recipient	M					
			- Code	M	V	X(14)	<b>B&amp;Q ANA Code - 5013546018962</b>	X	
			- Name	C	V	X(35)	<b>'HU ASN'</b>		
		+	TRDT	Date and Time of Transmission	M				
			- Date	M	F	9(6)	Format: YYMMDD		
			- Time	C	F	9(6)	Format: HHMMSS		
		+	SNRF	Senders Transmission Reference	M	V	X(14)	Sequential number for each trading partner, incremented by 1 (one) for each file transmitted.	
		+	RCRF	Recipients Transmission Reference	C	V	X(14)		
		+	APRF	Application Reference	M	V	X(14)	'DELHDR'	
		+	PROD	Transmission Priority Code	C	F	X(14)	'B'	X
END	=		END OF TRANSMISSION	M					
		NMST	No. of Messages in Transmission	M	V	9 (5)	Control Count of number of messages in a tape or transmission		

**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
			MESSAGE HEADER	M					
MHD	=	+	MSRF	Message Reference	M	V	9(12)	Consecutive count of messages within the transmission	
			TYPE	Type of Message	M				
				Type	M	F	X(6)	DELHDR'	X
				Version Number	M	F	9(1)	'9' for this version	X
TYP	=	+		TRANSACTION TYPE DETAILS	M				
			TCDE	Transaction Code	M	F	9 (4)	'0660' (proposed delivery)	
			TTYP	Transaction Type	C	V	X (12)	NULL	
SDT	=	+		VENDOR DETAILS	M				
			SDIN	Vendor's Identity	M				
				Vendor's EAN Location Number	C	F	9(13)	Vendor ANA Code	
				Vendor's Identity Allocated by Customer	M	V	X(17)	B&Q Vendor Number (up to 7 digits)	
			SNAM	Vendor's Name	M	V	X(40)	Vendor's Legal Trading Name	
			SADD	Vendor's Address	C			NULL	
				Vendor's Address Line 1	C	V	X(35)		
				Vendor's Address Line 2	C	V	X(35)		
				Vendor's Address Line 3	C	V	X(35)		
				Vendor's Address Line 4	C	V	X(35)		
	Vendor's Post Code	C	V	X(8)					
			VATN	Vendor's VAT Registration Number	C				
				Numeric VAT Registration Number	C	F	9(9)	NULL	
				Alphanumeric VAT Registration Number	C	V	X(17)		

FILE: DELIVERY NOTIFICATION FILE HEADER

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT		
			CUSTOMER DETAILS	M						
CDT	=	CDIN	Customer's Identity	M						
			Customer's EAN Location Code	C	F	9(13)	<b>B&amp;Q ANA Code - 5013546018962</b>			
			Customer's Identity Allocated by Vendor	C	V	X(17)	NULL			
				+ CNAM	Customer's Name	C	V	X(40)	<b>B&amp;Q LTD' or 'B&amp;Q (IRELAND) LTD'</b>	
				+ CADD	Customer's Address	C			NULL	
					Customer's Address Line 1	C	V	X(35)		
					Customer's Address Line 2	C	V	X(35)		
					Customer's Address Line 3	C	V	X(35)		
					Customer's Address Line 4	C	V	X(35)		
					Customer's Post Code	C	V	X(8)		
		+ VATR	Customer's VAT Registration Number	C			NULL			
			Numeric VAT Registration Number	C	F	9(9)				
			Alphanumeric VAT Registrarion Number	C	V	X(17)				

**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT
DNA	=		DATA NARATIVE	C				
		SEQA	First Level Sequence Number	M	V	9(10)	NULL	
	+	DNAC	: Data Narrative Code	C	V		NULL	
			: Code Table Number	C	V	9(4)		
	+	RETX	: Registered Text	C	V		NULL	
			: First Registered Application Code	C	V	X(3)		
			: Application Text	C	V	X(40)		
			: Second Registered Application Code	C	V	X(3)		
			: Application Text	C	V	X(40)		
			: Third Registered application Code	C	V	X(3)		
			: Application Text	C	V	X(40)		
			: Fourth Registered Application Code	C	V	X(3)		
	+	GNAR	: General Narrative	C	V		NULL	
			: General Narrative Line 1	C	V	X(40)		
			: General Narrative Line 2	C	V	X(40)		
			: General Narrative Line 3	C	V	X(40)		
			: General Narrative Line 4	C	V	X(40)		

**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
FIL	=		FILE DETAILS	M					
			FLGN	File Generation Number	M	V	9(4)	This number is sequential, per file type, per trading partner	
		+	FLVN	File Version Number	M	V	9(4)	Original (which is always 1) is incremented by 1 for each additional copy created	
		+	FLDT	File Creation Date	M	F	9(6)	Date the file is created Format: <b>YYMMDD</b>	
		+	FLID	File (Reel) Identificaiton	C	V	X(6)	NULL	
FDT	=		FILE PERIOD DATES	C					
			IVED	Invoice Period End Date	C	F	9(6)	NULL	
		+	DVED	Delivery Period End Date	C	F	9(6)	NULL	
MTR	=		MESSAGE TRAILER	M					
			NOSG	Number of Segments in Message	M	V	9(10)	Control count of the number of segments comprising message. Includes the MHD and MTR segments	

FILE: DELIVERY NOTIFICATION FILE DETAIL

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
MHD	=		MESSAGE HEADER	M					
			MSRF	M	V	9(12)			
		+	TYPE	Type of Message	M				
				Type Version Number	M M	F F		DELIVER' '9' for this version	X X
CLO	=		CUSTOMER'S LOCATION	M					
		CLOC	Customer's Location	M					
			Customer's EAN Location Number	C	F	9(13)	NULL		
			Customer's Own Location Number	M	V	X(17)	<b>DC Location Code (e.g. D001)</b>		
			Vendor's Identity of Customer's Location	M	V	X(17)	NULL		
		+	CNAM	Customer's Name	C	V	X(40)	NULL	
		+	CADD	Customer's Address	C			NULL	
				Customer's Address Line 1	C	V	X(35)		
Customer's Address Line 2	C			V	X(35)				
Customer's Address Line 3	C			V	X(35)				
Customer's Address Line 4	C			V	X(35)				
		Customer's Postcode	C	V	X(8)				



FILE: DELIVERY NOTIFICATION FILE DETAIL

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT
DEL	=		DELIVERY REFERENCE	M				
		DELN	Delivery Note Details Delivery Note Number	M M	V	X(17)	<b>ASN Reference Number</b> This number is made up of three parts, as a string of 16 digits - Six digit vendor code - The date ASN created formatted as YYMMDD - A rolling sequential value starting at 0001 up to 9999 (This is defined as the rolling count of ASN's sent within that given date of creation. So the first ASN on a given day is 0001, then 0002, then 0003) e.g. 200000 + 190101 + 0001 = 2000001901010001	
	:		Date of Document	C	F	9(6)	<b>Date of dispatch where relevant - Format = YYMMDD</b>	
	+	NODU	Number of Delivery or Uplift	C	V	9(15)	NULL	
	+	SCAR	Name of Carrier	C	V	X(40)	NULL	
	+	DEWT	Delivery Weights Vehicle Tare Weight Total Goods Weight	C C C	V V V	9(10)V9(3) 9(10)V9(3)	NULL	
	+	DEVL	Delivery Volume	C	V	9(10)V9(3)	NULL	
	+	EDAT	Earliest Delivery Date	M	F	9(6)	Date of Delivery - Format YYMMDD within the next 30 days	
	+	LDAT	Latest Delivery Date	C	F	9(6)	NULL	
	+	RATM	Required Arrival Time Earliest Time Latest Time	C C C	F F F	9(4) 9(4)	NULL	
	+	DINS	Delivery Instruction Narative Delivery Instruction Narative Line 1 Delivery Instruction Narative Line 2 Delivery Instruction Narative Line 3 Delivery Instruction Narative Line 4	C C C C C	V V V V	X(40) X(40) X(40) X(40)	NULL	
	+	DLOC	Dispatch Location EAN Location Number Vendors Own Location Code	C C C	F F V	9(13) X(17)	NULL	
	+	TLOC	Trans shipment Location EAN Location Number Vendors Own Location Code	C C C	F F V	9(13) X(17)	NULL	
	+	JORF	Journey Reference	C	V	X(17)	NULL	
	+	TPST	Transaction Planning Status	C	V	X(3)	NULL	

FILE: DELIVERY NOTIFICATION FILE HEADER

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
DNS	=		DELIVERY NOTE SUPPLEMENTARY DATA	C					
		DIND	Delivery Indicators Substitution Indicator Back order Indicator	C C C	F V	9(13) X(17)	NULL		
		+	SDIN	Split Delivery Indicator	C	F	X(1)	Y = Yes if this delivery is part of a complete or bulk order	
				DATA NARRATIVE					
DNA	=	SEQA	First Level Sequence Number	M	V	9(10)	Starts at 1 & incremented by 1 for each 1st level repeat		
		+	DNAC	Data Narative Code  Code Table Number	C  C	  V	  9(4)	NULL	
		+	RTEX	Registered Text First Registered Application Code Application Text : Second Registered Applicatin Code Application Text Third Registered Application Code Application Text : Fourth Registered Application Code Application Text :	C C C C C C C C C	V V V V V V V V	X(3) X(40) X(3) X(40) X(3) X(40) X(3) X(40)	224 - Delivery Point <b>'D' = Distribution Centre (DC)</b>	
		+	GNAR	General Narrative General Narrative Line 1 : General Narrative Line 2 General Narrative Line 3 : General Narrative Line 4	C C C C C	V V V V V	X(40) X(40) X(40) X(40)	NULL	

FILE: DELIVERY NOTIFICATION FILE HEADER

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT		
ORF	=		ORDER REFERENCE - DELIVERIES	M						
			SEQA	M	V	9(10)	Starts at 1 and is incremented by 1 for each segemnet of this type in the message			
		+	ORNO	Order Number and Date	M	V	X (17)	<b>B&amp;Q Purchase Order Number is currently 9 digits - as per PO</b> NULL		
				Customer's Order Number	M	V	X (17)			
				: Vendor's Order Number	C	V	X (17)			
: Date Order Placed by Customer	M			F	9(6)	Order Creation Date - Format <b>YYMMDD</b>				
		: Date Order Received by Vendor	C	F	9(6)	NULL				
DLD	=		DELIVERY LINE DETAILS	M						
			SEQA	M	V	9(10)	Value as per corresponding ORF sequence number			
		+	SEQB	Second Level Sequence Number	M	V	9(10)	Starts at 1 and is successfully incremented by 1 within each nested sequence of this segment		
		+	SPRO	Vendor's Product Number	M			EAN - article number allocated to the unit of trade		
				EAN - 13 Article Number for the Traded Unit	M	F	9(13)			
				Vendor's code for the Traded Unit	C	V	X(30)			NULL
				DUN - 14 Code for the Traded Unit	C	F	9(14)			NULL
		+	SACU	Vendor's EAN Article Number for the Designated Customer Unit	C	F	9(13)	NULL		
		+	CPRO	Customer's Product Number	C			NULL		
				Customer's Own Brand EAN Number	C	F	9(15)			
				: Customer's Item Code	C	V	X(30)			
+	UNOR	Unit of Ordering	M			Pack Size (No. of Retail Units in a Pack)				
		Customer Units in Traded Unit	M	V	9(15)					
		: Ordering Measure	C	V	9(10)V9(3)			NULL		
		: Measure Indicator	C	V	X(6)			NULL		
+	DELQ	Delivery Quantity	M			Number of Packs				
		Number of Traded Units in Delivery	M	V	9(15)					
		: Total Measure of Delivery	C	V	9(10)V9(3)			NULL		
		: Measure Indicator	C	V	X(6)	NULL				
+	TDES	Traded Unit Description	C							
		Traded Unit Description Line 1	C	V	X(40)					
		: Traded Unit Description Line 2	C	V	X(40)					
+	SSTC		Stock Status Code	C	F	X(1)	NULL			



**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
DNC	=		DATA NARRATIVE	M			The first occurrence of DNC for preceding DLD - always present to indicate Final Delivery Flag		
			SEQA	M	V	9(10)	Takes the value of SEQA in the preceding segment with which this segment is nested		
		+	SEQB	M	V	9(10)	Takes the value of SEQB in the preceding segment with which this segment is nested		
		+	SEQC	M	V	9(10)	Starts at 1 & incremented by 1 for each repeat segment		
		+	DNAC	Data Narrative Code	C			NULL	
				Code Table Number	C	V	9(4)		
				Code Value	C	V	X(3)		
		+	RTEX	Registered Text	C			'183' Final Delivery Flag ( 'Y' or 'N' )	X
				First Registered Application Code	M	V	X(3)		
				Application Text	M	V	X(40)		
	Second Registered Application Code	C		V	X(3)				
	Application Text	C		V	X(40)				
	Third Registered Application Code	C		V	X(3)				
	Application Text	C		V	X(40)				
	Fourth Registered Application Code	C	V	X(3)					
	Application Text	C	V	X(40)					
+	GNAR	General Narrative	C			Mandatory if delivering products covered by FSC/PEFC certification. FSC/PEFC Chain of Custody reference and mix %			
		General Narrative Line 1	C	V	X(40)				
		General Narrative Line 2	C	V	X(40)				
		General Narrative Line 3	C	V	X(40)				
		General Narrative Line 4	C	V	X(40)				

**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT
DNC	=		DATA NARRATIVE	M				
		+	SEQA					
				M	V	9(10)	Takes the value of SEQA in the preceding segment with which this segment is nested	
		+	SEQB					
				M	V	9(10)	Takes the value of SEQB in the preceding segment with which this segment is nested	
		+	SEQC					
				M	V	9(10)	Starts at 1 & incremented by 1 for each repeat segment	
		+	DNAC					
				C	V	9(4)	NULL	
				C	V	X(3)		
	+	RTEX						
			C	V	X(3)	'043'	X	
		:	M	V	X(40)	B&Q Purchase Order Line Item Number		
			C	V	X(3)	'230'	X	
		:	C	V	X(40)	Delivery Quantity for Sub Item		
			C	V	X(3)	'230'	X	
		:	C	V	X(40)	Storage Location - if Distribution Centre (DC) order this will be		
			C	V	X(3)	0001 (Put away)	X	
		:	C	V	X(40)	Store Code - if Distribution Centre (DC) order use relevant site code e.g. 'D001' - as per the CLOC segment in the order		
	+	GNAR						
			C	V	X(40)	UPI of Outer Handling Unit		
		:	C	V	X(40)	UPI of Inner Handling Unit		
			C	V	X(40)			
		:	C	V	X(40)			
						(UPI = Unique Pallet Identifier, also known as Handling Unit ID HUID)		
DTR	=		DELIVERY TRAILER	M				
	+	LDEL	Lines Delivered	M	V	9(10)	Number of delivery line detail segments for the delivery	
MTR	=		MESSAGE TRAILER	M				
	+	NOSG	Number of Segments in Message	M	V	9(10)	Control count of the number of segments comprising message. The count includes the MHD and MTR segments surrounding the message	

**FILE: DELIVERY NOTIFICATION FILE HEADER**

SEGMENT		DATA ELEMENT	DATA ELEMENT NAME	M/C	F/V	PIC	REMARKS	CONSTANT	
DNC	=		DATA NARRATIVE	M					
			MSRF	M	V	9(12)	Consecutive count of messages within the transmission		
		+	TYPE	Type of Message	M				
				Type Version Number	M	F	X(6) 9(1)	'DELTLR' '9' for this version	X X
DFT	=		FILE TOTALS - DELIVERIES	M					
			FTDE	M	V	9(10)	Total number of delivery details messages on file		
MTR	=		MESSAGE TRAILER	M					
		+	NOSG	M	V	9(10)	Control count of the number of segments comprising message. The count includes the MHD and MTR segments surrounding the message		

**Example of HU ASN**

STX=ANA:1+1234567891234:VENDOR NAME+5013546018962:HU ASN+191101:101711+575++DELHDR+B'  
MHD=1+DELHDR:9'  
TYP=0660'  
SDT=1234567891234:500000+VENDOR NAME'  
CDT=5013546018962+B&Q LTD'  
FIL=575+1+191101'  
MTR=6'  
MHD=2+DELIVR:9'  
CLO=:D001+B & Q Worksop DC+DHL,Exel Supply Chain:Redford Road:Old Manton Wood Colliery Site:Worksop:S80 2RZ'  
DEL=5000001911010002:191101+++++191108'  
DNS=+Y'  
DNA=1++224:D'  
ORF=1+108092910::191022'  
DLD=1+1+5397007057287+++1+180'  
DNC=1+1+1++183:N'  
DNC=1+1+2++043:00004:230:45:230:0001:165:D001+350319780003733297'  
DNC=1+1+3++043:00004:230:45:230:0001:165:D001+350319780003733303'  
DNC=1+1+4++043:00004:230:45:230:0001:165:D001+350319780003733310'  
DNC=1+1+5++043:00004:230:45:230:0001:165:D001+350319780003733327'  
DLD=1+2+5397007165494+++1+224'  
DNC=1+2+1++183:N'  
DNC=1+2+2++043:00005:230:32:230:0001:165:D001+350319780003733389'  
DNC=1+2+3++043:00005:230:32:230:0001:165:D001+350319780003733396'  
DNC=1+2+4++043:00005:230:32:230:0001:165:D001+350319780003733334'  
DNC=1+2+5++043:00005:230:32:230:0001:165:D001+350319780003733341'  
DNC=1+2+6++043:00005:230:32:230:0001:165:D001+350319780003733358'  
DNC=1+2+7++043:00005:230:32:230:0001:165:D001+350319780003733365'  
DNC=1+2+8++043:00005:230:32:230:0001:165:D001+350319780003733372'  
DTR=2'  
MTR=23'  
MHD=3+DELTLR:9'  
DFT=1'  
MTR=3'  
END=3'

**Storage Location Codes must be limited to the following values:**

- 0001 - Put Away**
- 0002 - Cross Dock**
- 0003 - Pick by Line**
- 0004 - Break Bulk**