

B&Q HU ASNs

Vendor EDI Technical Documentation

Delivery Notifications for Replenishment Purchase Orders

RCC PICK BY LINE SUPPLY ROUTE

Version: 1.4

Date: December 2021

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	V	X(14)	B&Q ANA Code - 5013546018962	X
			- Code	M	V	X(14)		
			- Name	C	V	X(35)		
		+	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 Version Number	M M	F F	X(6) 9(1)	DELHDR' '9' for this version	X X
TYP	=	TRANSACTION TYPE DETAILS		M					
		+	TCDE	Transaction Code	M	F	9 (4)	'0660' (proposed delivery)	
		+	TTYP	Transaction Type	C	V	X (12)	NULL	
			VENDOR DETAILS	M					
SDT	=	+	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&Q ANA Code - 5013546018962			
				Customer's Identity Allocated by Vendor	C	V	X(17)	NULL			
				+	CNAM	Customer's Name	C	V	X(40)	'B&Q LTD' or 'B&Q (IRELAND) LTD'	
				+	CADD	Customer's Address	C	V		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			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			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: YYMMDD	
		+ 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)	RCC Location Code (e.g. D002)		
			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				
				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)	ASN Reference Number 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)	Date of dispatch where relevant - Format = YYMMDD	
		+ 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 V	X(40) X(40) X(40) X(40)	NULL	
		+ DLOC	Dispatch Location EAN Location Number Vendors Own Location Code	C C C	F V V	9(13) X(17)	NULL	
		+ TLOC	Trans shipment Location EAN Location Number Vendors Own Location Code	C C C	F V 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	C					
			Substitution Indicator	C	F	9(13)	NULL		
			Back order Indicator	C	V	X(17)			
	+	SDIN	Split Delivery Indicator	C	F	X(1)	Y = Yes if this delivery is part of a complete or bulk order		
DNA	=		DATA NARRATIVE						
		SEQA	First Level Sequence Number	M	V	9(10)	Starts at 1 & incremented by 1 for each 1st level repeat		
			DNAC	Data Narative Code	C			NULL	
				Code Table Number	C	V	9(4)		
			+	RTEX	Registered Text	C			
				First Registered Application Code	C	V	X(3)	224 - Delivery Point 'R' = Regional Consolidation Centre (RCC)	
				Application Text	C	V	X(40)		
				Second Registered Applicatin 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			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	
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&Q Purchase Order Number is currently 9 digits - as per PO 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 YYMMDD			
		: 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 - 13 Article Number for the Traded Unit	M	F	9(13)	EAN - article number allocated to the unit of trade	
				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	
		+	CPRQ	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						
		Customer Units in Traded Unit	M	V	9(15)	Pack Size (No. of Retail Units in a Pack)			
		: Ordering Measure	C	V	9(10)V9(3)	NULL			
		: Measure Indicator	C	V	X(6)	NULL			
+	DELQ	Delivery Quantity	M						
		Number of Traded Units in Delivery	M	V	9(15)	Number of Packs			
		: 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	
DLS	=		DELIVERY LINE SUPPLEMENTARY DATA	C					
			SEQA	First Level Sequence Number	M	V	9(10)	NULL	
		+	SEQB	Second Level Sequence Number	M	V	9(10)	NULL	
		+	SEQC	Third Level Sequence Number	M	V	9(10)	NULL	
		+	TFIN	To Follow Indicator	C	F	9(10)	NULL	
		+	QUTF	Quantity To-Follow or Cancelled	C			NULL	
				Number of Order Units	C	V	9(15)		
				Total Measure	C	V	9(10)V9(3)		
				Measure Indicator	C	V	X(6)		
		+	SPRS	Vendor's Substituted Produc Number	C			NULL	
				EAN -13 Article Number for the Traded Unit	C	F	9(13)		
	Vendor's Code for the Traded Unit	C		V	X(30)				
		DUN -14 Code for the Traded Unit	C	F	9(14)				
+	SACS	Vendor's EAN Artcile Number for Substituted Customer (Retail) Unit	C	F	9(13)	NULL			
+	CPRS	Customer's Substituted Product Code	C			NULL			
		Customer's Own Brand Number (EAN)	C	F	9(15)				
		Customer's Item Code	C	V	X(30)				
+	PIND	Special Price Indicator	C	V	X(4)	NULL			
+	CRLI	Credit Line Indicator	C	V	X(4)	NULL			
PID	=		PALLET IDENTITY	C			NULL		
			SEQA	First Level Sequence Number	M	V	9(10)	NULL	
		+	SEQB	Second Level Sequence Number	M	V	9(10)	NULL	
		+	SEQC	Third Level Sequence Number	M	V	9(10)	NULL	
		+	SESH	Serial Shipping Container Code	M	F	9(18)	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	V		NULL	
				Code Table Number	C	V	9(4)		
				Code Value	C	V	X(3)		
		+	RTEX	Registered Text	C	V		'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	V		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	First Level Sequence Number	M	V	9(10)	Takes the value of SEQA in the preceding segment with which this segment is nested			
		+	SEQB	Second Level Sequence Number	M	V	9(10)	Takes the value of SEQB in the preceding segment with which this segment is nested			
		+	SEQC	Third Level Sequence Number	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						
				First Registered Application Code	M	V	X(3)			'043'	X
				: Application Text	M	V	X(40)			B&Q Purchase Order Line Item Number	
				Second Registered Application Code	C	V	X(3)			'230'	X
				: Application Text	C	V	X(40)			Delivery Quantity for Sub Item	
				Third Registered Application Code	C	V	X(3)			'230'	X
				: Application Text	C	V	X(40)			Storage Location - '0003' If RCC Pick By Line orders	
	Fourth Registered Application Code	C	V	X(3)	'165'	X					
	: Application Text	C	V	X(40)	Store Code - 'D002' - as per the CLOC segment in the order						
+	GNAR	General Narrative	C								
		General Narrative Line 1	M	V	X(40)			UPI of Outer Handling Unit			
		: General Narrative Line 2	C	V	X(40)			UPI of Inner Handling Unit			
		General Narrative Line 3	C	V	X(40)						
		: General Narrative Line 4	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 M	F 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+1234567890123:VENDOR NAME+5013546018962:HU ASN+191218:125348+1269++DELHDR+B'
MHD=1+DELHDR:9'
TYP=0660'
SDT=1234567890123:123456+VENDOR LTD'
CDT=5013546018962+B & Q LTD'
FIL=1269+1+191218'
MTR=6'
MHD=2+DELIVR:9'
CLO=:D005+CAMBUSLANG RCC (JDA)+UNIT 7 :CLYDESNILL PLACE:CLYDESMILL IND ESTATE:GLASGOW:G32 8RF'
DEL=5021661912180002:191223+++++191223'
DNS=+N'
DNA=1++224:D'
ORF=1+118391079::191216'
DLD=1+1+3663602559689++:3663602559689+1+48'
DNC=1+1+1++183:N'
DNC=1+1+2++043:00002:230:48:230:0003:165:D005+350229760004767826'
DLD=1+2+3663602559696++:3663602559696+1+60'
DNC=1+2+1++183:N'
DNC=1+2+2++043:00001:230:60:230:0003:165:D005+350229760004767826'
DLD=1+3+3663602560456++:3663602560456+1+36'
DNC=1+3+1++183:N'
DNC=1+3+2++043:00004:230:36:230:0003:165:D005+350229760004767826'
DLD=1+4+3663602561521++:3663602561521+1+6'
DNC=1+4+1++183:N'
DNC=1+4+2++043:00003:230:6:230:0003:165:D005+350229760004767826'
DLD=1+5+3663602561590++:3663602561590+1+6'
DNC=1+5+1++183:N'
DNC=1+5+2++043:00006:230:6:230:0003:165:D005+350229760004767826'
DLD=1+6+3663602561644++:3663602561644+1+30'
DNC=1+6+1++183:N'
DNC=1+6+2++043:00005:230:30:230:0003:165:D005+350229760004767826'
DTR=6'
MTR=26'
MHD=3+DELTLR:9'
DFT=1'
MTR=3'
END=3'