



856 ASN

EDI MAPPING STANDARDS

Effective November 30, 2023
Version 1.0

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Introduction

To Our Vendors:

buybuyBABY (“bbB”) recognizes the importance EDI plays in the achievement of our strategic goals. The use of EDI has been recognized as a remarkably effective strategic tool for improving processes and conducting business more effectively. It is our expectation that our Trading Partners also have a similar commitment to implementation of this technology. bbB is mandating compliance with our EDI program as a condition of being a Business/Trading Partner. The bbB EDI program currently consists of the Invoice (810), the Purchase Order (850), the Advance Ship Notice (856), and the Functional Acknowledgment (997). ASNs must be sent for all shipments. Every carton must have a GS1-128 carton label. The stores must be able to scan the GS1-128 carton label. bbB must be able to match the carton # to the same carton # in your ASN at the time the store is receiving the carton.

EDI Contact Information

The bbB EDI department can be reached by email at edimail@buybuybaby.com.

Web Support

Vendor documents can be access via our secured file location (accessible via the url provided)

- Current Vendor Routing Guide
- The Vendor Routing Guide always supersedes any instructions in the EDI Mapping Standards Document
- Always follow the instructions in the current Vendor Routing Guide.

<https://vendoredispecs.blob.core.windows.net/documents/buybuyBaby%20Vendor%20Routing%20Guide%201.0.pdf?sp=r&st=2023-12-08T18:38:58Z&se=2045-12-09T02:38:58Z&spr=https&sv=2022-11-02&sr=b&sig=7sri367X5OgPrAqr3Cr4HQBCLtK4jyl8p2MITsjkzoY%3D>

- Current version of the Routing Request Form.

<https://vendoredispecs.blob.core.windows.net/documents/Routing%20Request%20Form.xlsx?sp=r&st=2023-12-08T18:40:45Z&se=2045-12-09T02:40:45Z&spr=https&sv=2022-11-02&sr=b&sig=K5UF%2BIEQaMMM%2FgLvh9VcQu6WFBquDVarSz3o9%2Fz0n9w%3D>

- Current store listing

<https://vendoredispecs.blob.core.windows.net/documents/Store%20Details.xlsx?sp=r&st=2023-12-12T18:23:22Z&se=2043-12-13T02:23:22Z&spr=https&sv=2022-11-02&sr=b&sig=R6xG6AwPQXo0Rxa%2B0EI2IPLFio3CxCaAHE2BLqmJF9s%3D>

- New store ship date listing (to be added)

<https://vendoredispecs.blob.core.windows.net/documents/New%20Store%20Opening%20and%20Ship%20Dates.xlsx?sp=r&st=2023-12-13T21:17:05Z&se=2043-12-14T05:17:05Z&spr=https&sv=2022-11-02&sr=b&sig=zEucxCFGwB6mFJWKb%2Bg4KF9yMKKtteKXFgEJ3tcpAA%3D>

Trading Partner Agreement

The EDI Trading Partner Agreement is part of the new vendor on-boarding paperwork. Please return a signed copy of the agreement and EDI information sheet with your new vendor on-boarding paperwork.

EDI Trading Partner Information Exchange

bbB uses version 4010 for the 810, 850, 856, and 997.

TEST

buybuy BABY

Qualifier & ID

ZZ.BUYBUYBABYT

PRODUCTION

buybuy BABY

Qualifier & ID

ZZ / BUYBUYBABY

General EDI Transmission Guidelines:

1. All trading partners setting up EDI to trade with buybuy BABY will need to set up 1 production trading partnership.
2. bbB only supports VAN for all EDI communication. VAN connections can be done through our third-party service provider.
3. bbB sends Purchase Orders seven days a week. Orders are normally transmitted prior to 5:00 AM. All vendors should schedule to receive Orders every day.
4. bbB requires Functional Acknowledgments (997) returned on all documents that we send to you. Our automated acknowledgment verification system relies on the return of the 997 to ensure our data is being received by your system properly. Please plan to schedule the return of a 997 on a timely basis (same day).
5. If there is an error in transmission or Purchase Order Detail - UPC, quantity, unit of measure, price, or location, please contact the EDI Department immediately (edimail@buybuybaby.com). Please ensure that all issues are directed to the bbB EDI Department for all transmission questions.
6. Advance Shipment Notices (ASNs) must be sent for all shipments. ASNs should be sent no later than two hours after the shipment leaves your warehouse. ASNs may be sent up to a week in advance of shipping.
7. All cartons must have a GS1-128 label with a carton number matching the carton number sent in your ASN.

Envelope Mapping Guidelines

(Version 4010)

Segment/Element	Usage	Min/Max	Type	Value	
ISA Interchange Control Header					
ISA01	Authorization Info. Qualifier	M	2/2	ID	00
ISA02	Authorization Info.	M	10/10	AN	(blank)
ISA03	Security Info. Qualifier	M	2/2	ID	00
ISA04	Security Info.	M	10/10	AN	(blank)
ISA05	Sender Interchange ID Qualifier	M	2/2	ID	01 - Duns Number 08 – GS1 Communications ID 12 - Phone Number
ISA06	Interchange Sender ID	M	15/15	AN	Sender's Code
ISA07	Receiver Interchange ID Qualifier	M	2/2	ID	(01, 08, 12)
ISA08	Interchange Receiver ID	M	15/15	AN	Receiver's Code
ISA09	Date	M	6/6	DT	Current Date (YYMMDD)
ISA10	Time	M	4/4	TM	Current Time (HHMM)
ISA11	Interchange Standards Identifier	M	1/1	ID	U - U.S. X12
ISA12	Interchange Version ID	M	5/5	ID	00401 - ANSI X12.5
ISA13	Interchange Control Number	M	9/9	NO	Sender System Generated
ISA14	Acknowledgment	M	1/1	ID	0 - No Acknowledgment Requested (Not the same as a 997 FA)
ISA15	Test Indicator	M	1/1	ID	P - Production T - Test
ISA16	Sub-element Separator	M	1/1		>
GS Functional Group Header					
GS01	Functional ID	M	2/2	ID	PO, OR, TX, IN, FA, SH, PC
GS02	Application Sender's Code	M	2/15	AN	Same as ISA06
GS03	Application Receiver's Code	M	2/15	AN	Same as ISA08
GS04	Data Interchange Date	M	8/8	DT	Current Date (CCYYMMDD)
GS05	Data Interchange Time	M	4/8	TM	Current Time (HHMM)
GS06	Data Interchange Control Number	M	1/9	NO	Sender System Generated
GS07	Responsible Agency Code	M	1/2	ID	X - Accredited Standards Committee X12
GS08	Version	M	1/12	AN	004010VICS
GE Functional Group Trailer					
GE01	Number of Transaction Sets	M	1/6	NO	ST segments in transmission
GE02	Group Control Number	M	1/9	NO	Must match GS06.
IEA Interchange Control Trailer					
IEA01	Number of included groups	M	1/5	NO	Count of GS segments in transmission
IEA02	Interchange Control Number	M	9/9	NO	Must match ISA13.

856 Ship Notice/Manifest (Version 4010)

Business Rules:

1. PO numbers are 8 characters alphanumeric and must not be modified in any way. (Format PO-#####)
2. Each ASN must contain a Master Bill of Lading Number. The Master Bill of Lading Number should be included in the REF segment at the Shipment Level. Only one Master Bill of Lading Number may appear on each ASN, the Master Bill of Lading should cover the entire shipment (sub or child Bill of Lading Numbers should not appear in ASNs). A Master Bill of Lading Number may be present on multiple ASN's. When shipping via FedEx use the tracking number as the Master Bill of Lading Number.
3. Each ASN must be specific to one vendor number (only contain POs for that vendor #). If you have multiple vendor numbers, you must send a separate ASN for each. bbB will accept a single ASN per vendor number per destination of the shipment, this can be a single store/single PO, single store/multiple POs, or multiple store/multiple PO's.
4. The N1 "ST-Ship To" at the Shipment level should be the destination of the shipment. If the shipment is traveling direct to the store, it should be the store number, if it is traveling to the DC, it should be the DC ID number and if it is going to a 3PL for web assortment it should be the DC ID for that building.
5. bbB will accept Standard Carton Pack or Pick and Pack structure for the ASN.
6. Each Order Level should contain the appropriate invoice number.
7. The contents of a carton cannot span across multiple PO's.
8. Each carton (shipping container/master carton) must have a GS1-128 carton label.
9. The carton number (SSCC-18) must not be repeated for a minimum of 2 years. Carton numbers should be allowed to cycle through all available numbers before being re-used.
10. Item quantities should be listed in selling units (eaches).
11. The UPC numbers and quantities shipped in each carton must match exactly to the UPC numbers and quantities associated with that carton number in the ASN.
12. The (SF) Ship From is your vendor number and the address of the actual shipping point (this cannot be your company headquarters). Your complete Ship From address is required in the ASN, and it is required to be in the exact same format each time it is sent (it is recommended this is hard coded by your shipment origins (each origin you ship from should be hard coded to that address) to ensure consistency across ASNs).
13. Advance Shipment Notices (ASNs) should be sent no later than 2 hours after the shipment leaves your warehouse. ASNs may be sent up to a week in advance of shipping.
14. bbB will notify you of documents that are rejected due to invalid data via email. Do not send a corrected ASN unless you receive an email stating that your document was rejected.
15. A bbB Ship ID number is required in your ASN and it is to be entered exactly as it appears to you, do not add spaces or dashes, and always include the alpha prefix (Example for a Routing Request – bbBRR1234).
16. All shipment tracking information provided in the ASN, Master Bill of Lading, PRO Number, bbB Ship ID need to match the paperwork given to the carrier, in the case of FedEx the tracking number in the ASN needs to match the tracking number on the carton.
17. PER segment must include contact information to allow bbB to automatically notify vendors of EDI syntax errors encountered in translation.

<u>Segment/Element</u>	<u>Usage</u>	<u>Min/Max</u>	<u>Type</u>	<u>Value</u>
ST Transaction Set Header				
ST01 Transaction Set Identifier Code	M	3/3	ID	856
ST02 Transaction Set Control Number	M	4/9	AN	
BSN Beginning Segment for Ship Notice				
BSN01 Transaction Set Purpose Code	M	2/2	ID	00 - Original
BSN02 Shipment Identification	M	2/30	AN	
BSN03 Date	M	8/8	DT	CCYYMMDD
BSN04 Time	M	4/8	TM	HHMM
BSN05 Hierarchical Structure Code	M	4/4	ID	0001 - Pick and Pack 0002 - Standard Pack
HL Hierarchical Level				
HL01 Hierarchical ID Number	M	1/12	AN	1 - Shipment Level
HL03 Hierarchical Level Code	M	1/2	ID	S - Shipment
TD1 Carrier Details - Quantity/Weight				
TD101 Packaging Code	M	3/5	AN	CTN - Carton (Part 2 - 25,76,79,94)
TD102 Lading Quantity	M	1/7	NO	Number of cartons in shipment.
TD107 Weight	M	1/10	R	Numeric Weight
TD108 Unit or Basis of Measure Code	M	2/2	ID	LB - Pound
TD109 Volume	C	1/8	R	Value of volumetric measure
TD110 Unit or Basis of Measure Code	C	2/2	ID	CF - Cubic Feet
TD5 Carrier Details - Routing				
TD502 Identification Code Qualifier	M	1/2	ID	2 - Standard Carrier Alpha Code
TD503 Identification Code	M	2/80	AN	Carrier Code (SCAC)
TD505 Routing	O	1/35	AN	Name of Carrier
TD3 Carrier Details - Equipment				
TD301 Equipment Description Code	C	2/2	ID	TL - Trailer
TD303 Identification Code	C	1/10	AN	Carrier's Trailer Number
REF Reference Identification				
REF01 Reference Identification Qualifier	M	2/3	ID	BM - Bill of Lading
REF02 Reference Identification	M	1/30	AN	Bill of Lading Number
REF Reference Identification				
REF01 Reference Identification Qualifier	M	2/3	ID	CN - Carrier's Reference Number
REF02 Reference Identification	M	1/30	AN	PRO Number
REF Reference Identification				
REF01 Reference Identification Qualifier	M	2/3	ID	RU – Receiving Sub-Location
REF02 Reference Identification	M	1/30	AN	bbB Ship ID number
PER Administrative Communications Contact				
PER01 Contact Function Code	M	2/2	ID	EA – EDI Coordinator
PER02 Name	M	1/60	AN	Free-form name
PER03 Communication Number Qualifier	M	2/2	ID	EM – Electronic Mail
PER04 Communication Number	M	1/80	AN	Email Address
MAN Marks and Numbers				
MAN01 Marks and Numbers Qualifier	M	1/2	ID	GM - 20 Character GS1-128 Format
MAN02 Marks and Numbers	M	1/48	AN	GS1-128 Shipment # (Full Trailer/Container)
DTM Date/Time Reference				
DTM01 Date/Time Qualifier	M	3/3	ID	011 - Shipped
DTM02 Date	M	8/8	DT	CCYYMMDD
DTM Date/Time Reference				
DTM01 Date/Time Qualifier	M	3/3	ID	017 - Estimated Delivery
DTM02 Date	M	8/8	DT	CCYYMMDD

F.O.B. F.O.B. Related Instructions

FOB01 Shipment Method of Payment	O				
	M	2/2	ID	PP - Prepaid, CC - Collect	

N1 Name

N101 Entity Identifier Code	M	2/3	ID	SF - Ship From	
N102 Name	M	1/60	AN	Vendor Name	
N103 Identification Code Qualifier	M	1/2	ID	92 - Assigned by Buyer	
N104 Identification Code	M	2/80	AN	Vendor Number	

N3 Address Information

N301 Address Information	M	1/55	AN	Vendor Address Line 1	
N302 Address Information	O	1/55	AN	Vendor Address Line 2	

N4 Geographic Location

N401 City Name	M	2/30	AN	City	
N402 State Code	M	2/2	ID	State	
N403 Postal Code	M	3/15	ID	Zip Code	

N1 Name

N101 Entity Identifier Code	M	2/3	ID	ST - Ship To	
N102 Name	O	1/60	AN	Store/Facility Name	
N103 Identification Code Qualifier	M	1/2	ID	92 - Assigned by Buyer	
N104 Identification Code	M	2/80	AN	Store/Facility Number	

HL Hierarchical Level

HL01 Hierarchical ID Number	M	1/12	AN	Number to identify the HL level.	
HL02 Hierarchical Parent ID Number	M	1/12	AN	Number of the subordinate HL level	
HL03 Hierarchical Level Code	M	1/2	ID	O - Order	

PRF Purchase Order Reference

PRF01 Purchase Order Number	M	1/22	AN	Original Purchase Order Number	
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TD1 Carrier Details - Quantity/Weight

TD101 Packaging Code	M	3/5	AN	CTN - Carton (Part 2 - 25,76,79,94)	
TD102 Lading Quantity	M	1/7	NO	Number of cartons in order.	

REF Reference Identification

REF01 Reference Identification Qualifier	M	2/3	ID	IV - Invoice Number	
REF02 Reference Identification	M	1/30	AN	Invoice Number	

N1 Name

N101 Entity Identifier Code	M	2/3	ID	BY - Buying Party	
N102 Name	O	1/60	AN	Store Name	
N103 Identification Code Qualifier	M	1/2	ID	92 - Assigned by Buyer	
N104 Identification Code	M	2/80	AN	Store Number	

HL Hierarchical Level

HL01 Hierarchical ID Number	M	1/12	AN	Number to identify the HL level.	
HL02 Hierarchical Parent ID Number	M	1/12	AN	Number of the subordinate HL level	
HL03 Hierarchical Level Code	M	1/2	ID	T - Tare/Pallet	

MAN Marks and Numbers

MAN01 Marks and Numbers Qualifier	M	1/2	ID	GM - 20 Character GS1-128 Format	
MAN02 Marks and Numbers	M	1/48	AN	GS1-128 Tare/Pallet Number	

HL Hierarchical Level

HL01 Hierarchical ID Number	M	1/12	AN	Number to identify the HL level.	
HL02 Hierarchical Parent ID Number	M	1/12	AN	Number of the subordinate HL level	
HL03 Hierarchical Level Code	M	1/2	ID	P - Pack/Carton	

PO4 Item Physical Details

PO401 Pack	O	1/6	NO	Number of items in carton (when using the standard carton pack structure)	
PO406 Gross Weight	C	1/9	R	Numeric value of gross weight	

PO407 Unit or Basis of Measure	C	2/2	ID	LB - Pound
MAN Marks and Numbers				
MAN01 Marks and Numbers Qualifier	M	1/2	ID	GM - 20 Character GS1-128 Format
MAN02 Marks and Numbers	M	1/48	AN	GS1-128 Pack/Carton Number
HL Hierarchical Level				
HL01 Hierarchical ID Number	M	1/12	AN	Number to identify the HL level.
HL02 Hierarchical Parent ID Number	M	1/12	AN	Number of the subordinate HL level
HL03 Hierarchical Level Code	M	1/2	ID	I – Item
LIN Item Identification				
LIN02 Product/Service ID Qualifier	M	2/2	ID	UP - Universal Product Code EN - European Article Number
LIN03 Product/Service ID	M	1/48	AN	UPC/EAN Number
SN1 Item Detail				
SN102 Number of Units Shipped	M	1/10	R	Quantity Shipped
SN103 Unit or Basis of Measure	M	2/2	ID	EA, PR, ST (Selling units)
CTT Transaction Totals				
CTT01 Number of Line Items	M	1/6	NO	Total Number of HL Segments
SE Transaction Set Trailer				
SE01 Number of Included Segments	M	1/10	NO	Total Number of Segments
SE02 Transaction Set Control Number	M	4/9	AN	Same as ST02

856 Ship Notice/Manifest Overlay (Pick and Pack Structure 0001)

ST*856*000000091
 BSN*00*519191852533*20231211*0425*0001
 HL*1**S
 TD1*CTN*1*****20*LB
 TD5**2*FDEG
 REF*PO*5068734824522
 REF*BM*132564891
 REF*RU* bbBRR1234
 DTM*011*20231211
 N1*SF*VendorA*92*4615558000000081147
 N3*7940 Padgett Ave NE
 N4*Otsego*MN*55330*US
 N1*ST*buybuyBABY*92*501
 HL*2*1*O
 PRF*PO-00029
 TD1*CTN*1
 N1*BY*buybuyBABY*92*011
 HL*3*2*P
 MAN*GM*00008500493280000014
 HL*4*3*I
 LIN*1*UP*40427656806474
 SN1**1*EA
 HL*5*3*I
 LIN*1*UP*123456789351
 SN1**5*EA
 CTT*5
 SE*26*000000091

856 Ship Notice/Manifest Overlay (Pick and Pack Structure 0002)

ST*856*000000091
BSN*00*519191852533*20231211*0425*0001
HL*1**S
TD1*CTN*1*****20*LB
TD5**2*FDEG
REF*PO*5068734824522
REF*BM*132564891
REF*RU* bbBRR1234
DTM*011*20231211
N1*SF*VendorA*92*461555800000081147
N3*7940 Padgett Ave NE
N4*Otsego*MN*55330*US
N1*ST*buybuyBABY*92*501
HL*2*1*O
PRF*PO-00029
TD1*CTN*1
N1*BY*buybuyBABY*92*011
HL*3*2*T
MAN*FM*000085004932800000013
HL*3*2*P
MAN*GM*00008500493280000014
HL*4*3*I
LIN*1*UP*40427656806474
SN1**1*EA
HL*5*3*I
LIN*1*UP*123456789351
SN1**5*EA
CTT*5
SE*26*000000091
GE*1*10

GS1-128 Carton Label

Business Rules:


1. All cartons (shipping container/master carton) must have a GS1-128 label. Inner pack cartons contained within a shipping container/master carton should not have GS1-128 labels. If the inner pack cartons are labeled, they must not contain a SSCC-18 number or be referenced in the ASN. The ASN must only contain SSCC-18 carton numbers from the shipping container/master carton GS1-128 label.
2. bbB will receive all shipments at the carton level. The SSCC-18 barcode on the GS1-128 label will be scanned and that number will be matched to your ASN to identify the contents of each carton.
3. bbB does not receive/scan at the pallet level. If merchandise is palletized, cartons are to be placed on the pallet so that the labels face upward or outward. Pallet markings should not be confused with the GS1-128 label required on all cartons.
4. If carton is shipping Small Parcel the Parcel shipping label must be on a different face than the GS1-128 label (see below graphic)
5. Strapping, banding and/or tape must not cover labels or merchandise information.
6. If multiple cartons for the same PO are strapped together, each carton must have an individual GS1-128 carton label.



Label Requirements:

1. A point of origin address (shipping point address). Field A in the sample below
2. A ship to address. The ship to address will be the Ship to address as indicated on your PO.
3. A mark for address (always the destination store). Field D in the sample below
4. A destination store zip code (mark for) in both human readable and barcode formats. This field must support a 9-digit US zip code and a 6-character alphanumeric Canadian zip code. The human readable Canadian Zip Code can be displayed in a 3-character, space, 3-character format or 6 character no space format. The zip code barcode must correctly display the 9 digits or 6-character zip code with no space. Field C in the sample below
5. A PO # in human readable format, followed by the PO number in barcode format. This field must support an alphanumeric PO #. Field E in the sample below
6. For single UPC or EAN cartons, a human readable Quantity, Item Description, UPC/EAN number and a UPC/EAN Barcode. Field F in the sample below
7. For multiple UPC/EAN cartons, Item Description must be "PNP" or "Pick and Pack". Field F in the sample below
8. A large font bbB store number. Field H in the sample below
9. A field for the event message. This is a placeholder for now. It will be added to the PO (coming soon). Field I in the sample below
10. An SSCC-18 carton identifier in both human readable and barcode format. Position 17 is '0', positions 16 - 11 are your unique GS1 company prefix. If you do not have a unique GS1 company prefix, use '4' in Position 17 with positions 16 – 11 your bbB assigned vendor number, right justified and zero filled. Field J in the sample below

Sample Label

Field A	From: Baby Vendor 321 Main Street Piscataway, NJ 08854	To: buybuy BABY DC 45 Veronica Ave Door 73-77 Somerset, NJ 08873	Field B
Field C	To Zip: 07095 	Mark For: Buybuy Baby Store # 100 612 John Street Woodbridge, NJ 07095	Field D
Field E	PO NUMBER: BBB-23459-A  Label Create Date: 7/9/2020		
Field F	Description: Baby Bottles QTY : 12 UPC : 023456789021 		
Field G		Store #: 100	Field H
Field I			
Field J	(00) Serial Container Number: (00) 0 0000217 038900717 7 		

Standard 4 x 6 Label

Field	Name	Notes
A	FROM	Vendor shipping point (origin)
B	TO	Given Shipping Location (DC for Store merch, 3PL for eCom/Web merch)
C	ZIP	9-digit US zip code
D	MARK FOR	Store number and address
E	PO NUMBER	A PO number in human readable format, followed by the PO number in barcode format. This field must support an alphanumeric PO #
F	UPC/DESCRIPTION	Product Description and UPC for merch within the Carton
G	BLANK	Future Use
H	STORE	Store number and address
I	BLANK	Future Use
J	BARCODE	<p>An SSCC-18 carton identifier in both human readable and barcode format.</p> <p>Vendors with a unique GS1 company prefix:</p> <ul style="list-style-type: none"> Position 17: '0' Positions 16 - 11: unique GS1 company prefix <p>Vendors without a unique GS1 company prefix:</p> <ul style="list-style-type: none"> Position 17: '4' Positions 16 - 11: Baby assigned vendor number, right justified and zero filled.

