



856 ASN

EDI MAPPING STANDARDS

Effective March 27, 2024
Version 2.0

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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=7sri367X5OgPrAqr3Cr4HQHCLtK4jyl8p2MITsjkzoY%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

Z/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 ZZ - Mutually Defined
ISA06	Interchange Sender ID	M	15/15	AN	Sender's Code
ISA07	Receiver Interchange ID Qualifier	M	2/2	ID	(01, 08, 12, ZZ)
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	IA – Internal Vendor Number
REF02 Reference Identification	M	1/30	AN	Internal Vendor number From REF02 when REF01=IA on the purchase Order.
REF Reference Identification				
REF01 Reference Identification Qualifier	M	2/3	ID	PO – Purchase Order Number
REF02 Reference Identification	M	1/30	AN	Internal PO number From REF02 when REF01=PO on the purchase Order.
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		O			
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		M			
DTM01	Date/Time Qualifier	M	3/3	ID	011 - Shipped
DTM02	Date	M	8/8	DT	CCYYMMDD
DTM Date/Time Reference		O			
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		O			
FOB01	Shipment Method of Payment	M	2/2	ID	PP - Prepaid, CC - Collect
N1 Name		M			
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	From REF02 when REF01=IA on the purchase Order.
N3 Address Information		M			
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		M			
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		M			
N101	Entity Identifier Code	M	2/3	ID	ST - Ship To
N103	Identification Code Qualifier	M	1/2	ID	92 - Assigned by Buyer
N104	Identification Code	M	2/80	AN	Facility Number
N1 Name		M			
N101	Entity Identifier Code	M	2/3	ID	MF – Mark for
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		M			
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		M			
PRF01	Purchase Order Number	M	1/22	AN	Original Purchase Order Number
TD1 Carrier Details - Quantity/Weight		M			
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		O			
REF01	Reference Identification Qualifier	M	2/3	ID	IV - Invoice Number
REF02	Reference Identification	M	1/30	AN	Invoice Number
N1 Name		M			
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		O			
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		O			
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		M			
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		O			
PO401	Pack	O	1/6	NO	Number of items in carton (when using the standard carton pack structure)
MAN Marks and Numbers		M			
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		M			
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		M			
LIN01	Assigned Identification	O	1/20	AN	Line 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
LIN04	Product/Service ID Qualifier	M	2/2	ID	SO – System Identifier
LIN05	Product/Service ID	M	1/48	AN	Must match the 850
SN1 Item Detail		M			
SN102	Number of Units Shipped	M	1/10	R	Quantity Shipped
SN103	Unit or Basis of Measure	M	2/2	ID	EA, UP
CTT Transaction Totals		M			
CTT01	Number of Line Items	M	1/6	NO	Total Number of HL Segments
SE Transaction Set Trailer		M			
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 (SOPI)

ST*856*000000091
BSN*00*519191852533*20231211*0425*0001
HL*1**S
TD1*CTN*1*****20*LB
TD5**2*FDEG
TD3*TL**123456789
REF*IA*4307607000012126006
REF*PO* 4307607000012126042
REF*BM*132564891
REF*CN*03252024
REF*RU* bbBRR1234
MAN*GM*00008500493280000011
DTM*011*20231211
DTM*017*20231218
N1*SF*VendorA*92*4307607000012126006
N3*7940 Padgett Ave NE
N4*Otsego*MN*55330*US
N1*ST*buybuyBABY*92*002
N1*MF*buybuyBABY*92*002
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*693892467169*SO*4307607000012126045
SN1**1*EA
HL*5*3*I
LIN*1*UP*617629820812*SO*4307607000012126092
SN1**5*EA
CTT*5
SE*32*000000091

856 Ship Notice/Manifest Overlay (SOTPI)

ST*856*000000091
BSN*00*519191852533*20231211*0425*0001
HL*1**S
TD1*CTN*1*****20*LB
TD3*TL**123456789
TD5**2*FDEG
REF*IA*4307607000012126006
REF*PO* 4307607000012126042
REF*BM*132564891
REF*CN*03252024
REF*RU* bbBRR1234
MAN*GM*00008500493280000011
DTM*011*20231211
DTM*017*20231218
N1*SF*VendorA*92*4615558000000081147
N3*7940 Padgett Ave NE
N4*Otsego*MN*55330*US
N1*ST*buybuyBABY*92*501
N1*MF*buybuyBABY*92*002
HL*2*1*O
PRF*PO-00029
TD1*CTN*1
N1*BY*buybuyBABY*92*002
HL*3*2*T
MAN*FM*000085004932800000013
HL*4*3*P
MAN*GM*00008500493280000014
HL*5*4*I
LIN*1*UP*693892467169*SO*4307607000012126045SN1**1*EA
HL*6*4*I
LIN*1*UP*617629820812*SO*4307607000012126092SN1**5*EA
CTT*6

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.

