



Shipment and Billing Notice

005010 X12

Functional Group=**BS**

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	BHT	Beginning of Hierarchical Transaction	M	1		N1/020	Must use

Detail:

<u>LOOP ID - HL</u>	<u>SHIPMENT</u>			<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
				≥1	N1/030L	
030	HL	Hierarchical Level	M	1	N1/030	Must use
040	G05	Total Shipment Information	O	1	N1/040	Used
100	DTM	Date/Time Reference	O	5		Used
110	N9	Reference Information	O	20		Must Use
<u>LOOP ID - HL/N1</u>				<u>Repeat</u>		
				10		
140	N1	Name	O	1		Used
<u>LOOP ID - HL</u>	<u>ORDER</u>			<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
				1	N1/180L	
030	HL	Hierarchical Level	M	1	N1/030	Must Use
180	TDS	Total Monetary Value Summary	O	1	N1/180	Used
<u>LOOP ID - HL</u>	<u>TARE</u>			<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
				1	N1/300L	
030	HL	Hierarchical Level	M	1	N1/030	Must use
300	PAL	Pallet Information	O	1	N1/300	Used
310	MAN	Marks and Numbers	O	10		Used
<u>LOOP ID - HL</u>	<u>ITEM</u>			<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
				1	N1/370L	
030	HL	Hierarchical Level	M	1	N1/030	Must use
370	IT1	Baseline Item Data (Invoice)	O	1	N1/370	Used
390	PO4	Item Physical Details	O	1		Used
450	PID	Product/Item Description	O	1		Used
490	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

BHT Beginning of Hierarchical Transaction

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

This segment is mandatory in order to send the transaction properly

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BHT01	1005	Hierarchical Structure Code	M	ID	4/4	Must use
		<u>Code</u> <u>Name</u>				
		0001 Shipment, Order, Packaging, Item				
		0002 Shipment, Order, Item, Packaging				
		0004 Shipment, Order, Item				

UCS structure is Shipment, Order, Tare, Pack and Item

BHT02	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00 Original				

BHT03	127	Reference Identification	O	AN	1/30	Used
		Note: This reference identifier is used to construct the invoice number of the ASN. We take the value in BHT-03 and generate an invoice number in the following way: DA {BHT-03}. So, in this example the invoice # would be: DATESTASN0001. This field can be considered the same as the 'Shipment ID.'				

BHT04	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

BHT05	337	Time	O	TM	4/8	Used
		Description: Time expressed as HHMM				

BHT06	640	Transaction Type Code	O	ID	2/2	Used
		Description: Code specifying the type of transaction				
		<u>Code</u> <u>Name</u>				
		RD Returns Detail				
		Note: Indicates delivery or return - 'RD' for return and blank for deliveries				

HL Hierarchical Level (Shipment)

Pos: 030	Max: 1
Heading - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use

HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
		Note: Contains a blank for the first HL segment sent, then increments by '1' with each HL segment thereafter.				
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		S		Shipment		

G05 Total Shipment Information

Pos: 040	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

To provide totals relating to the shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G0501	382	Total Quantity shipped	C	R	1/10	Used
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
G0502	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		<u>Code</u>		<u>Name</u>		
		CA		Case		

DTM Date/Time Reference

Pos: 100	Max: 5
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
		<u>Code</u>		<u>Name</u>		
		011		Shipped		
		067		Current Schedule Delivery		
DTM02	373	Date	C	DT	8/8	Used
		Invoice Transmission Date				
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	C	TM	4/8	Used
		Invoice Transmission Time				
		Description: Time expressed as HHMM				

N9 Reference Information

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must Use

Note: As this segment will contain the division number for which the invoice is being sent, the sender MUST include this segment in the EDI transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Division identifier				
N902	127	Reference Identification	X	AN	1/30	Used
		Description: Kroger Division # where the invoice is transmitted to.				

N1 Party Identification

Pos: 140	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Code		Name		
		SF		Ship From		
		ST		Ship To		
		O2		Originating Company		
		Note: (a) N101 (SF, ST and O2) must be used for Credit				
		(b) N101 (SF and ST) must be used for Delivery.				
N102	93	Name	C	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	C	ID	1/2	Used
		<u>Code</u>		<u>Name</u>		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
N104	67	Identification Code	C	AN	2/80	Used
		Description: D-U-N-S+4, D-U-N-S Number with Four Character Suffix				

HL Hierarchical Level (Order)

Pos: 030 Max: 1
 Detail - Mandatory
 Loop: HL Elements: 3

User Option (Usage): Must use

This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		O		Order		

TDS Total Monetary Value Summary

Pos: 180 Max: 1
 Detail - Optional
 Loop: HL Elements: 1

User Option (Usage): Used

To specify the total invoice discounts and amounts

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use

Description: Total invoice amount (including charges and allowances)

HL Hierarchical Level (Tare)

Pos: 030 Max: 1
 Detail - Mandatory
 Loop: HL Elements: 3

User Option (Usage): Must use

This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		T		Tare		

PAL Pallet Information

Pos: 300	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PAL01	883	Pallet Type Code	O	ID	1/2	Used

Description: Pallet type code - can be any # 1-7

MAN Marks and Numbers

Pos: 310	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use

Description: Code specifying the application or source of Marks and Numbers (87)

<u>Code</u>	<u>Name</u>
GM	SSCC-18 and Application Identifier

Note: Must be 'GM' to support scanning license plates.

MAN02	87	Marks and Numbers	M	AN	1/48	Must use
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Description: Must be 20-character license plate

HL Hierarchical Level (Item)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use

<u>Code</u>	<u>Name</u>
I	Item

IT1

Baseline Item Data (Invoice)

Pos: 370	Max: 1
Detail - Optional	
Loop: HL	Elements: 7

User Option (Usage): Used

To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification	O	AN	1/20	Used
		Description: Line number must be in sequential order (1, 2, 3, 4, etc.) for each pallet				
IT102	358	Quantity Invoiced	C	R	1/10	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		CA		Case		
IT104	212	Unit Price	C	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Not Used
		Description: Code identifying the type of unit price for an item				
IT106	235	Product/Service ID Qualifier	C	ID	2/2	Used
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
		Note: We expect a full UCC-12, which is a 12 digit # which includes the check digit.				
IT107	234	Product/Service ID	C	AN	1/48	Used
		Description: U.P.C. Consumer Package Code (1-5-5-1)				

PO4

Item Physical Details

Pos: 390	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used
		Description: Amount of packs per case				

PID Product/Item Description

Pos: 450	Max: 1
Detail - Optional	
Loop: HL	Elements: 5

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Not Used
		Description: Code identifying the general class of a product or process characteristic				
PID03	559	Agency Qualifier Code	C	ID	2/2	Not Used
		Description: Code identifying the agency assigning the code values				
PID04	751	Product Description Code	C	AN	1/12	Not Used
		Description: A code from an industry code list which provides specific data about a product characteristic				
PID05	352	Description	C	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

SAC Service, Promotion, Allowance, or Charge Information

Pos: 490	Max: 1
Detail - Optional	
Loop: HL	Elements: 8

User Option (Usage): Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used
		<u>Code</u>		<u>Name</u>		
		A400		Allowance Non performance		
		C090		Bottle deposit, beverage tax changes		
SAC03	559	Agency Qualifier Code	C	ID	2/2	Not Used
		Description: Code identifying the agency assigning the code values				

SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	C	AN	1/10	Not Used
		Description: Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	Amount	O	N2	1/15	Not Used
		Description: Monetary amount				
SAC06	378	Allowance/Charge Percent Qualifier	C	ID	1/1	Not Used
		Description: Code indicating on what basis allowance or charge percent is calculated				
SAC07	332	Percent	C	R	1/6	Not Used
		Description: Percent expressed as a percent				
SAC08	118	Rate	O	R	1/9	Used
		Description: Allowance or Charge rate per selling unit				

Example

ST*857*0001~
BHT*0001*00*58336831*20200608**30~
HL*1**S~
G05*131*CA~
DTM*067*20200608~
N9*19*703~
N1*SF*Supplier Name*9*091422246~
N1*ST*RALPHS MARKETS 00757*9*0381769210757~
HL*2*1*O~
TDS*172598~
N9*IK*58336831~
HL*3*2*T~
PAL*6~
MAN*GM*00100120005726619857~
HL*4*3*I~
IT1*1*5*CA*15**UP*012000106040~
PO4*1~
PID*F***12OZ CN PEPSI 20/1~
SAC*A*F800*****-7.6~
SAC*C*C090*****1*****CA ST REF @ .05 - CSD ONLY~
SE*21*0001~