

856 - Advance Ship Notice

Version 4010

Grand & Toy EDI Guidelines

October 18, 2000, Revised March 30, 2005

Segment Usage

Segment ID	Segment Name	Required Use	Max Occurrence
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HEADER SEGMENTS

ST	Transaction Set Header	M	1
BSN	Beginning Segment for Ship Notice	M	1

SHIPMENT LEVEL

HL	Hierarchical Level	M	1
PO4	Item Physical Details	M	1
TD1	Carrier Details (Quantity and Weight)	M	20
TD5	Carrier Details (Routing Sequence)	M	12
REF	Reference Numbers	M	1
DTM	Date/Time Reference (Shipped Date)	M	10
DTM	Date/Time Reference (Expected Del Date)	M	10
N1	Name	M	1
N3	Address Information	M	2
N4	Geographic Location	M	1

ORDER LEVEL

HL	Hierarchical Level	M	1
PRF	Purchase Order Reference	M	1
PO4	Item Physical Details	M	1
TD1	Carrier Details (quantity & weight)	M	20

PACK LEVEL

HL	Hierarchical Level	M	1
MAN	Marks And Numbers	M	1

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ITEM LEVEL

HL	Hierarchical Level	M	1
LIN	Item Identification	M	1
SN1	Item Detail (Shipment)	M	1
PO4	Item Physical Details	M	1

TRAILER SEGMENTS

CTT	Transaction Totals	M	1
SE	Transaction Set Trailer	M	1

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◆ **ST - Transaction Set Header**

Data Element	Description	Length	Values Used
ST	Segment Identifier		ST
ST01	Transaction Set Identifier Code	3 - 3	856
ST02	Transaction Set Control Number	4 - 9	Sequential number assigned by sender

Example:

ST~856~000000001

◆ **BSN - Beginning Segment for Ship Notice**

Data Element	Description	Length	Values Used
BSN	Segment Identifier		BSN
BSN01	Transaction Set Purpose Code	2 - 2	00 - Original
BSN02	Shipment Identification	1 - 8	Shipment ID
BSN03	Date	6 - 6	ASN Creation Date – CCYYMMDD format
BSN04	Time	4 - 6	ASN Creation Time – HHMM format

Example:

BSN~00~123456~19980927~0820

◆ **HL - Hierarchical Level [Shipment Level]**

Data Element	Description	Length	Values Used
HL	Segment Identifier		HL
HL01	Hierarchical Identification Number	1 - 12	Sequentially Assigned HL Number
HL03	Hierarchical Level Code	1 - 2	S – Shipment

Example:

HL~1~~S

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◆ PO4 – Item Physical Details [Shipment Level]

Data Element	Description	Length	Values Used
PO4	Segment Identifier		PO4
PO408	Gross Volume Per Pack	1 – 9	Shipment Cube
PO409	Unit Of Measure Code	2 – 2	CF – Cubic Feet

Example:

PO4~~~~~250~CF

◆ TD1 - Carrier Details [Shipment Level]

Data Element	Description	Length	Values Used
TD1	Segment Identification		TD1
TD101	Packaging Code	3 - 5	
TD102	Lading Quantity	1 - 7	Number of cartons in Shipment
TD106	Weight Qualifier	1 – 2	G - Gross Weight
TD107	Weight	1 – 10	Shipment Weight
TD108	Unit of Measurement	2 – 2	LB - Pound

Example:

TD1~CTN25~25~~~~G~25000~LB

◆ TD5 - Carrier Details [Shipment Level]

Data Element	Description	Length	Values Used
TD5	Segment Identification		TD5
TD501	Routing Sequence Code	1 - 2	
TD502	Identification Code	1 - 2	2 - Standard Carrier Alpha Code
TD503	Identification Code	2 - 17	Standard Carrier Alpha Code (SCAC)
TD504	Transportation Method Code	1 – 2	
TD505	Routing	1 – 35	Name of Carrier
TD506	Shipment/order Status Code	2 – 2	

Example:

TD5~A~2~UPS~D~UNITED PARCEL SERVICES

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◆ **REF - Reference Numbers [Shipment Level]**

Data Element	Description	Length	Values Used
REF	Segment Identifier		REF
REF01	Reference Number Qualifier	2 - 2	BM - Bill Of Lading
REF02	Reference Number	1 - 30	Bill of Lading Number

Example:

REF~BM~5369542

◆ **DTM - Date/Time Reference [Shipment Sent Date]**

Data Element	Description	Length	Values Used
DTM	Segment Identifier		DTM
DTM01	Date/Time Qualifier	3 - 3	011 - Shipped
DTM02	Date	8 - 8	Date Shipped - CCYYMMDD format

Example:

DTM~011~19980926

◆ **DTM - Date/Time Reference [Expected Delivery]**

Data Element	Description	Length	Values Used
DTM	Segment Identifier		DTM
DTM01	Date/Time Qualifier	3 - 3	073 - Scheduled for Delivery Date
DTM02	Date	8 - 8	Date Shipped - CCYYMMDD format

Example:

DTM~073~19980927

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◆ N1 - Name [Shipment Level]

Data Element	Description	Length	Values Used
N1	Segment Identifier		N1
N101	Entity Identifier Code	2 - 2	SF - Ship From
N102	Name	1 - 35	Name
N103	Identification Code	1 - 2	01
N104	Identification Code	2 - 17	Suppliers Duns Number

Examples:

N1~SF~ABC Company~01~516854978

◆ N3 - Address Information [Shipment Level]

Data Element	Description	Length	Values Used
N3	Segment Identifier		N3
N301	Address Information	1 - 35	Free-form text
N302	Address Information	1 - 35	Free-form text

Example:

N3~123 Your Street~Your Suite

◆ N4 - Geographic Location [Shipment Level]

Data Element	Description	Length	Values Used
N4	Segment Identifier		N4
N401	City Name	2 - 19	City Name
N402	State/Province Code	2 - 2	State/Province Code
N403	Postal Code	5 - 9	Postal Code
N404	Country Code	2 - 3	CAN, USA

Example:

N4~TORONTO~ON~M3C 1M1~CAN

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◆ N1 - Name [Shipment Level]

Data Element	Description	Length	Values Used
N1	Segment Identifier		N1
N101	Entity Identifier Code	2 - 2	ST - Ship to
N102	Name	1 - 35	Name
N103	Identification Code	1 - 2	ZZ
N104	Identification Code	2 - 17	Code to Identify Ship-to Location

Examples:

N1~ST~Grand & Toy~ZZ~0001

◆ N3 - Address Information [Shipment Level]

Data Element	Description	Length	Values Used
N3	Segment Identifier		N3
N301	Address Information	1 - 35	Free-form text
N302	Address Information	1 - 35	Free-form text

Example:

N3~123 Main Street~

◆ N4 - Geographic Location [Shipment Level]

Data Element	Description	Length	Values Used
N4	Segment Identifier		N4
N401	City Name	2 - 19	City Name
N402	State/Province Code	2 - 2	State/Province Code
N403	Postal Code	5 - 9	Postal Code
N404	Country Code	2 - 3	CAN, USA

Example:

N4~TORONTO~ON~M3C 1M1~CAN

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◆ HL - Hierarchical Level [Order Level]

Data Element	Description	Length	Values Used
HL	Segment Identifier		HL
HL01	Hierarchical Identification Number	1 - 11	Sequentially Assigned HL Number
HL02	Hierarchical Parent	1 - 12	HL Parent ID Number
HL03	Hierarchical Level Code	2 - 2	O - Order

Examples:

HL~2~1~O

◆ PRF - Purchase Order Reference [Order Level]

Data Element	Description	Length	Values Used
PRF	Segment Identifier		PRF
PRF01	Purchase Order Number	1 - 22	Grand & Toy's Purchase Order Number
PRF04	Purchase Order Date	8 - 8	Purchase Order Date – CCYYMMDD format

Examples:

PRF~123456~~~19980926

◆ PO4 – Item Physical Details [Order Level]

Data Element	Description	Length	Values Used
PO4	Segment Identifier		PO4
PO408	Gross Volume Per Pack	1 – 9	Order Cube
PO409	Unit of Measure Code	2 – 2	CF – Cubic Feet

Examples:

PO4~~~~~123~CF

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◆ TD1 - Carrier Details [Order Level]

Data Element	Description	Length	Values Used
TD1	Segment Identification		TD1
TD101	Packaging Code	5 - 5	
TD102	Lading Quantity	1 - 7	Number of cartons/pallets for Order
TD106	Weight Qualifier	1 - 2	G - Gross Weight
TD107	Weight	1 - 10	Order Weight
TD108	Unit of Measurement	2 - 2	LB - Pound

Example:

TD1~CTN25~25~~~~G~5000~LB

◆ HL - Hierarchical Level [Pack Level]

Data Element	Description	Length	Values Used
HL	Segment Identifier		HL
HL01	Hierarchical Identification Number	1 - 11	Sequentially Assigned HL Number
HL02	Hierarchical Parent	1 - 12	HL Parent ID Number
HL03	Hierarchical Level Code	1 - 2	P - Pack

Examples:

HL~3~2~P

◆ MAN – Marks And Numbers[Pack Level]

Data Element	Description	Length	Values Used
MAN	Segment Identifier		MAN
MAN01	Marks And Numbers Qualifier	1 - 11	GM – UCC128/MH10 SCM Format
MAN02	Marks And Numbers	1 - 45	UCC128/MH10 Code used to Identify Pack Info (carrier track & trace)

Examples:

MAN~GM~1234567890

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◆ HL - Hierarchical Level [Item Level]

Data Element	Description	Length	Values Used
HL	Segment Identifier		HL
HL01	Hierarchical Identification Number	1 - 12	Sequentially Assigned HL Number
HL02	Hierarchical Parent	1 - 12	HL Parent ID Number
HL03	Hierarchical Level Code	1 - 2	I - Item

Examples:

HL~4~2~I

◆ LIN - Item Identification [Item Level]

Data Element	Description	Length	Values Used
LIN	Segment Identifier		LIN
LIN01	Assigned Identification	1 - 11	Line Item # from 850
LIN02	Product/Service ID Qualifier	2 - 2	CB - G&T's Item Number from 850
LIN03	Product/Service Identification	1 - 30	Grand & Toy's Item Number
LIN04	Product/Service ID Qualifier	2 - 2	VA - Vendor's Item Number
LIN05	Product/Service Identification	1 - 30	Vendor's Item Number
LIN06	Product/Service ID Qualifier	2 - 2	UP - UPC (Universal Product Code)
LIN07	Product/Service Identification	1 - 30	UPC Code

Examples:

LIN~1~CB~99115~VA~012345~UP~77515545464

◆ SN1 - Item Detail (Shipment) [Item Level]

Data Element	Description	Length	Values Used
SN1	Segment Identification		SN1
SN101	Assigned Identification	5 - 11	Line Item Number from 850
SN102	Number of Units Shipped	1 - 10	Quantity Shipped
SN103	Unit of Measurement Code	2 - 2	Unit of Measure Code from 850

Example:

SN1~1~10~EA

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◆ PO4 - Item Physical Detail [Item Level]

Data Element	Description	Length	Values Used
PO4	Segment Identification		P04
PO401	Number of Inner Pack Units	1 - 16	
PO402	Number of Units in the Inner pack	1 - 18	
PO403	Unit of Measurement	2 - 2	Unit of Measure

◆ REF – Reference number (Item level)

Data Element	Description	Length	Values Used
REF	Segment Identification		REF
REF01	Reference Number Qualifier	2-2	LS – Bar-coded serial number
REF02	Reference Number	1-30	Serial number

Example:

PO4~1~10.0~EA

◆ CTT - Transaction Totals

Data Element	Description	Length	Values Used
CTT	Segment Identifier		CTT
CTT01	Number of HL Segments	1 - 6	Count of HL segments

Example:

CTT~5

◆ SE - Transaction Set Trailer

Data Element	Description	Length	Values Used
SE	Segment Identifier		SE
SE01	Number of Included Segments	1 - 6	Count of segments present in the Transaction Set including the ST and SE
SE02	Transaction Set Control Number	4 - 9	Control number assigned by the sender

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Example:

SE~22~000000001

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EXAMPLE

ST~856~000000001
BSN~00~123456~19980927~0820
HL~1~~S
PO4~~~~~250~CF
TD1~CTN25~25~~~~G~25000~LB
TD5~A~2~UPS~D~UNITED PARCEL SERVICES
REF~BM~5369542
DTM~011~19980926
DTM~073~19980927
N1~SF~ABC COMPANY~01~516854978
N3~123 YOUR STREET~YOUR SUITE
N4~ TORONTO~ON~M3C 1M1
N1~ST~Grand & Toy~0001
N3~123 MAIN ST
N4~TORONTO~ON~M3C 1M1~CAN
HL~2~1~O
PRF~1234566~19980926
PO4~~~~~123~CF
TD1~CTN25~25~~~~G~5000~LB
HL~3~2~P
MAN~GM~1234567890
HL~4~2~I
LIN~1~CB~99115~VA~012345~UP~77515545464
SN1~1~10~EA
PO4~1~10.0~EA
CTT~4
SE~22~000000001