



Supplier EDI Specification
856 – Advanced Notice
Version 003010

February 2017

NexForm Technologies
Advance Shipment Notice (ASN) Specification

SEGMENT ID	NexForm REQ	MAX USE	SEGMENT NAME
BSN	M	1	Beginning Segment for Ship Notice
DTM	M	1	Date/Time Reference
HL	M	1	Shipment Level
MEA	M	2	Measurements - Grosse Weight Measurements - Net Weight
TD1	M	1	Carrier Details – Quantity and Weight
TD5	O	1	Carrier Details - Routing
TD3	O	1	Carrier Details - Equipment
REF	M	2	Reference Numbers - Bill of Lading Number Reference Numbers - Packing List Number
N1	M	3	Name - Ship from (Vendor) Name- Ship to Name - Supplier
HL	M	999	Item Level
LIN	M	1	Item Identification Part – Number / Engineering Change Level
SN1	M	1	Item Detail (Shipment)
PRF	M	1	Purchase Order Reference
REF	O	1	Reference Numbers - Packing List
CLD	M	999	Load Detail
REF	M	999	Reference Numbers – Serial Numbers
CTT	M	1	Transaction Set Totals

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BSN – Beginning Segment			BSN*00*XXXXXXXXXX*150601*1200
01	353	Transaction Set Purpose Code	‘00’ – Original
02	396	Shipment Identification	Bill of Lading Number
03	373	ASN Creation Date	YYMMDD
04	337	ASN Creation Time	HHMM (24-hour clock)

DTM – Date/Time Reference			DTM*011*150601*0900
01	374	Date/Time Qualifier	‘011’ Shipped
02	373	Shipment Date	YYMMDD
03	337	Shipment Time	HHMM (24-hour clock)
04	623	Time code	Code identifying the time

HL – Shipment Level			HL*1*S
01	628	Hierarchical ID Number	Sequential number
02	734	Hierarchical Parent ID Number	Parent HL number
03	735	Hierarchical Level Code	‘S’ Shipment

MEA – Measurements			PD*G*222*LB PD*N*202*LB
01	737	Measure Reference	‘PD’ – Physical Description
02	738	Measurement Qualifier	‘G’ – Grosse Weight ‘N’ – Net Weight
03	739	Measurement Value	
04	355	Unit of Measure	‘LB’

TD1 – Carrier Details (Quantity and Weight)			BOX90*13'
01	103	Packaging Code	Packaging Code
02	80	Lading Quantity	Quantity

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TD5 – Carrier Details (Routing Sequence/Transit Time)			TD5**2*SCAC code**Carrier name
02	66	Identification Code Qualifier	‘2’ : Standard Carrier Alpha Code (SCAC)
03	67	Identification Code	Code identifying a party or other code
05	387	Routing	Carrier Name (free form)

TD3 – Carrier Details (Equipment)			TD3*TL*Trailer
01	40	Equipment Description Code	‘TL’ – Trailer
03	207	Equipment Number	

REF – Reference Identification			REF*BM* <i>Bill of lading number</i> REF*PK* <i>Packing list number</i>
01	128	Reference Number Qualifier	‘BM’ - Bill of lading Number
02	127	Reference Number	Bill of Lading number
01	128	Reference Number Qualifier	‘PK’ – Packing List Number
02	127	Reference Number	Packing List number

N1 – Name			N1*Sf**92*12345 N1*ST**92*3021 N1*SU**92*9876
01	98	Entity Identifier Code	‘ST’ – Ship To
03	66	Identification Code Qual.	‘92’ – Assigned by Buyer
04	67	Identification Code	Nexform Location Code –
01	98	Entity Identifier Code	‘SF’- Ship From
03	66	Identification Code Qual.	‘92’ – Assigned by Buyer
04	67	Identification Code	
01	98	Entity Identifier Code	‘SU’- Supplier
03	66	Identification Code Qual.	‘92’ – Assigned by Buyer

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04	67	Identification Code	'3021' or '3020'
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HL – Item Level			HL*2*I
01	628	Hierarchical ID Number	Sequential number
02	734	Hierarchical Parent ID Number	Parent HL number
03	735	Hierarchical Level Code	T - Item

LIN – Item Identification Detail			LIN**BP* <i>part number</i> *EC*revision
02	235	Product or Service ID Qualifier	'BP' – Buyer's Part Number
03	234	Product or Service ID	Nexform Part Number
04	235	Product or Service ID Qualifier	'EC' – Engineering Change Level
05	234	Product or Service ID	Revision Number

SN1 – Load Detail			SN1**qty*Unit
02	382	Number of Units Shipped	Number of units shipped
03	355	Unit of Measure Code	'EA' – Each 'PC' – Piece 'YD' - Yard 'LB' - Pound 'FT' - Foot
04	646		Quantity Shipped to Date

PRF – Purchase Order Reference			PRF*PO Number
01	324	Purchase Order Number	Nexform PO Number

REF – Reference Numbers (Optional)			REF*PK*Packing List
01	128	Reference Number Qualifier	'PK' – Packing List Number

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02	127	Reference Number	Packing List number
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CLD – Load Detail			CLD*2*980*BOX90
01	622	Number of Loads	Total Quantity of Pkg Code
02	382	Number of Units Shipped	Total of Units Shipped
03	103	Packaging Code	

REF – Reference Numbers			REF*LS*123456789
01	128	Reference Number Qualifier	‘LS’ – Bar Coded Serial Number
02	127	Reference Number	Container Serial Numbers

CTT – Transaction Totals			CTT*01*99
01	354	Number of Line Items	Total number of line items in the transaction set
02	347	Hash Total	Sum of values of SN102 (Number of units shipped)

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EXAMPLE 1: STANDARD PACK – each pallet contains a standard quantity per pallet – With Serial Numbers

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ISA*00*                                *00*                                *ZZ*SUPPLIER_ID          *ZZ*NFBTC
*150601*1200*U*00301*0000000002*0*P*<'
GS*SH*SUPPLIER_ID*NFBTC*150601*1200*2*X*003010' ST*856*0001'
BSN*00*222225*150601*1200'
DTM*011*150601*1100*ET'
HL*1**S'
MEA*PD*G*222*LB'
MEA*PD*N*209*LB'
TD1*BOX90*3'
TD5*B*2*CUST*LT'
TD3*TL**543210'
REF*BM*222225'
REF*PK*222225'
N1*ST**ZZ* NFBTC'
N1*SF**ZZ*SUPPLIER_SF'
N1*SU**ZZ*SUPPLIER_SU'
HL*2*1*I'
LIN**BP*9999998*EC*8'
SN1**1764*EA*11640'
PRF*BC000002'
CLD*1*1764*BOX90'
REF*LS*S11000001'
HL*3*1*I'
LIN**BP*9999999*EC*6'
SN1**1960*EA*38208'
PRF*BC000002'
CLD*2*980*BOX90'
REF*LS*S11000002'
REF*LS*S11000003'
CTT*3*3724'
SE*29*0001'
GE*1*2'
IEA*1*000000002'

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EXAMPLE 2: Piece Goods – each roll/container contains a variable quantity – With Serial Numbers

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ISA*00*                                *00*                                *ZZ*SUPPLIER_ID      *ZZ*NFBTC
*150601*1200*U*00301*000000004*0*P*<'
GS*SH*SUPPLIER_ID*NFBTC*150601*1200*4*X*003010' ST*856*0001'
BSN*00*222225*150601*1200'
DTM*011*150601*1100*ET'
HL*1**S'
MEA*PD*G*222*LB'
MEA*PD*N*209*LB'
TD1*ROL71*4'
TD5*B*2*CUST*LT'
TD3*TL**543210'
REF*BM*222225'
REF*PK*222225'
N1*ST**ZZ* NFBTC'
N1*SF**ZZ*SUPPLIER_SF'
N1*SU**ZZ*SUPPLIER_SU'
HL*2*1*I'
LIN**BP*9999998*EC*8'
SN1**597.8*YD*3734.3'
PRF*MW000004'
CLD*1*195.5*ROL71'
REF*LS*S11000001'
CLD*1*202.4*ROL71'
REF*LS*S11000002'
CLD*1*199.9*ROL71'
REF*LS*S11000003'
HL*3*1*I'
LIN**BP*9999999*EC*6'
SN1**199.6*YD*618.9'
PRF*MW000004'
CLD*1*199.6*ROL71'
REF*LS*S11000004'
CTT*3*797.4'
SE*32*0001'
GE*1*4'
IEA*1*000000004'

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