

ACE HARDWARE 856 VENDOR GS1 INFO -- LOT NUMBERS /EXPIRATION DATE ADDITIONS 01242022 - FINAL

856 ADVANCE SHIP NOTICE ANSI X12 4010

THIS DOCUMENT HAS MANY UPDATES, PLEASE REVIEW ALL SEGMENTS AND ELEMENTS

*NOTES: PLEASE REFERENCE 1 PO PER 856 TRANSACTION SET (ST-SE ENVELOPE). THE 856 SHOULD BE SENT THE SAME DAY THE ORDER IS SHIPPED. MAKE SURE ALL SHIP QUANTITIES ON THE 856 ARE IN THE SAME "UNIT OF MEASURE" AS THEY ARE ON THE PURCHASE ORDER.
PLEASE REVIEW THE WAY YOU ARE TRANSMITTING YOUR EDI DOCUMENTS TO ACE AND MAKE ANY NECESSARY CHANGES ON YOUR END TO AVOID SENDING TWO DIFFERENT DOCUMENT TYPES IN THE SAME ISA ENVELOPE.
*** 856'S, INVOICES, CREDITS AND 997'S MUST BE SENT IN SEPARATE ENVELOPES

MAKE SURE YOU ARE SENDING ALL MANDATORY INFORMATION IN CORRECT ELEMENTS.

856'S ARE REQUIRED ON ALL RSC PO'S

GS1 128 PALLET OR CARTON ID'S REQUIRED FOR ALL RSC TYPE ASN'S ONLY

LIN SEGMENT -- LOT NUMBER AND DTM EXPIRATION DATE REQUIREMENTS

ISA SEGMENT

INTERCHANGE CONTROL HEADER (X12 MANDATORY ENVELOPE) OCCURS 1 TIME ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
ISA01	I01	AUTHORIZATION INFO QUALIFIER	M	M	ID	02/02	"00".
ISA02	I02	AUTHORIZATION INFORMATION	M	M	AN	10/10	FOLLOW STANDARD.
ISA03	I03	SECURITY INFO QUALIFIER	M	M	ID	02/02	"00".
ISA04	I04	SECURITY INFORMATION	M	M	AN	10/10	FOLLOW STANDARD.
ISA05	I05	INTERCHANGE SENDER ID QUALIFIER	M	M	ID	02/02	YOUR EDI ID QUALIFIER.
ISA06	I06	INTERCHANGE SENDER ID	M	M	ID	15/15	YOUR EDI ID (IE. DUNS #).
ISA07	I05	INTERCHANGE RECEIVER ID QUALIFIER	M	M	ID	02/02	IF SENDING TO ACE: "ZZ" = ACE TEST QUALIFIER. "01" = ACE PRODUCTION QUALIFIER.
ISA08	I07	INTERCHANGE RECEIVER ID	M	M	ID	15/15	IF SENDING TO ACE: "7089906600" = ACE TEST ID. "006928311" = ACE PRODUCTION ID.
ISA09	I08	TRANSMISSION DATE	M	M	DT	06/06	YYMMDD.
ISA10	I09	TRANSMISSION TIME	M	M	TM	04/04	HHMM.
ISA11	I10	INTERCHANGE CONTROL ID	M	M	ID	01/01	"U".
ISA12	I11	INTERCHANGE VERSION NUMBER	M	M	ID	05/05	"00400".
ISA13	I12	INTERCHANGE CONTROL NUMBER	M	M	N0	09/09	9 DIGIT CONTROL NUMBER.
ISA14	I13	ACKNOWLEDGEMENT REQUEST FLAG	M	M	ID	01/01	"0"
ISA15	I14	TEST INDICATOR	M	M	ID	01/01	"T" = TEST. "P" = PRODUCTION.
ISA16	I15	SUBELEMENT SEPARATOR	M	M	AN	01/01	FOLLOW STANDARD.

REVISED 01/11/2022

GS SEGMENTFUNCTIONAL GROUP HEADER
(X12 MANDATORY ENVELOPE)OCCURS 1 TIME
ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
GS01	479	FUNCTIONAL ID	M	M	ID	02/02	USE "SH" FOR ADVANCED SHIP NOTICE.
GS02	142	GROUP/APPLICATION SENDER ID	M	M	ID	02/15	YOUR GROUP/EDI ID.
GS03	124	GROUP/APPLICATION RECEIVER ID	M	M	ID	02/15	IF SENDING TO ACE: "7089906600" = ACE TEST ID. "006928311" = ACE PRODUCTION ID.
GS04	29	APPLICATION GROUP DATE	M	M	DT	08/08	CCYYMMDD.
GS05	30	APPLICATION GROUP TIME	M	M	TM	04/08	HHMM OR HHMMSS OR HHMMSSDD.
GS06	28	APPLICATION GROUP CONTROL NUMBER	M	M	N0	01/09	FOLLOW STANDARD.
GS07	455	RESPONSIBLE AGENCY CODE	M	M	ID	01/02	USE "X" FOR ANSI X12.
GS08	480	VERSION/RELEASE INDUSTRY CODE	M	M	ID	01/12	"004010".

ST SEGMENTTRANSACTION SET HEADER
(X12 MANDATORY ENVELOPE)OCCURS 1 TIME
ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
ST01	143	TRANSACTION SET ID	M	M	ID	03/03	"856" FOR X12 ADVANCED SHIP NOTICE.
ST02	329	TRANSACTION SET CONTROL NO.	M	M	AN	04/09	FOLLOW STANDARD.

BSN SEGMENT BEGINNING SEGMENT FOR SHIP NOTICE OCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
BSN01	353	TRANSACTION SET PURPOSE CODE	M	M	ID	02/02	"00" = ORIGINAL.
BSN02	396	SHIPMENT IDENTIFICATION	M	M	AN	02/30	SHIPMENT ID ASSIGNED BY VENDOR.
BSN03	373	DATE	M	M	DT	08/08	DATE OF 856 CREATION.
BSN04	337	TIME	M	M	TM	04/08	TIME OF 856 CREATION.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

HL SEGMENT HIERARCHICAL LEVEL HL LOOP (ONLY LOOP TO REPEAT IN 856)
SHIPMENT LEVEL (HL LOOP FOR SHIPMENT LEVEL) ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
HL01	628	HIERARCHICAL ID NUMBER	M	M	AN	01/12	FOLLOW STANDARD.
HL03	735	HIERARCHICAL LEVEL CODE	M	M	ID	01/02	USE "S" FOR SHIPMENT LEVEL.

TD1 SEGMENT CARRIER DETAILS QUANTITY AND WEIGHT OCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
TD107	81	WEIGHT	X	M	R	01/10	WEIGHT OF SHIPMENT.
TD108	355	UNIT OF MEASURE	X	M	ID	02/02	USE "LB" FOR POUNDS.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

TD5 SEGMENT

CARRIER DETAILS

OCCURS 1 TIME

ROUTING SEQUENCE/TRANSIT TIME

ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
TD502	66	ID CODE QUALIFIER	X	M	ID	01/02	"2" = SCAC CODE QUALIFIER.
TD503	67	ID CODE	X	M	AN	02/80	SCAC CODE. (ACE'S SCAC = ACHW)
TD505	387	ROUTING	X	M	AN	01/35	CARRIER NAME.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

REF SEGMENT

REFERENCE NUMBERS

THE REF SEGMENT CAN BE REPEATED UP TO 3 TIMES

ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
REF01	128	REFERENCE # QUALIFIER	M	M	ID	02/03	"CN" = CODE FOR (PRO #).
REF02	127	REFERENCE NUMBER	X	M	AN	01/30	FOR RSC SHIPMENTS ONLY: VALID PRO # DROPSHIP ONLY: TRACKING NUMBER FOR DROPSHIP
		* SEE NOTES BELOW					

WHEN SENDING THE REF SEGMENT -THE REF02 ELEMENT IS MANDATORY AND CANNOT BE BLANK

***FOR DROP SHIP'S - VENDOR WILL RETURN VENDORS TRACKING NUMBER IN REF02 WITH THE CODE OF CN ONLY

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

REF SEGMENT REFERENCE NUMBERS

2ND OCCURRENCE IF POSSIBLE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
REF01	128	REFERENCE # QUALIFIER	M	M	ID	02/03	"BM" = BOL NUMBER
REF02	127	REFERENCE NUMBER * SEE NOTE BELOW	X	M	AN	01/30	BOL NUMBER ONLY

* ID CODE OF BM TO BE USED FOR BOL NUMBERS ONLY
WHEN SENDING THE REF SEGMENT -THE REF02 ELEMENT IS MANDATORY AND CANNOT BE BLANK

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

REF SEGMENT REFERENCE NUMBERS

3RD OCCURRENCE IF POSSIBLE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
REF01	128	REFERENCE # QUALIFIER	M	M	ID	02/03	"LO" = LOAD PLANNING NUMBER
REF02	127	REFERENCE NUMBER * SEE NOTE BELOW	X	M	AN	01/30	TMS ID NUMBER

WHEN SENDING THE REF SEGMENT -THE REF02 ELEMENT IS MANDATORY AND CANNOT BE BLANK

*** FOR COLLECT VENDORS ONLY: THIS IS MANDATORY TO RETURN THE TMS ID NUMBER
THIS NUMBER CAN BE OBTAINED IN THE EMAIL THAT IS CALLED TENDER TMS ID
YOU WILL RECEIVE A CARRIER ACCEPTANCE EMAIL ONCE A CARRIER HAS ACCEPTED THE LOAD TENDER

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

DTM SEGMENT DATE/TIME REFERENCEOCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
DTM01	374	DATE/TIME QUALIFIER	M	M	ID	03/03	USE "011" FOR DATE SHIPPED.
DTM02	373	DATE	X	M	DT	08/08	DATE SHIPPED YYYYMMDD.

N1 SEGMENT NAMEOCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
N101	98	ENTITY IDENTIFIER	M	M	ID	02/03	USE "SF" FOR SHIPPED FROM.
N102	93	NAME	X	M	AN	01/60	VENDOR NAME.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

N3 SEGMENT ADDRESS INFORMATIONOCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
N301	166	ADDRESS	M	M	AN	01/55	ADDRESS OF SHIPMENT'S ORIGIN POINT.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

N4 SEGMENT GEOGRAPHIC LOCATIONOCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
N401	19	CITY	O	M	AN	02/30	CITY OF SHIPMENT'S ORGIN POINT.
N402	156	STATE	O	M	ID	02/02	STATE OF SHIPMENT'S ORIGIN POINT.
N403	116	ZIP	O	M	ID	03/15	ZIP OF SHIPMENT'S ORIGIN POINT.

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

HL SEGMENT		HIERARCHICAL LEVEL	HL LOOP (SECOND OCCURRANCE OF LOOP)				
ORDER LEVEL		(HL LOOP FOR ORDER LEVEL)	ACE MANDATORY SEGMENT				
DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
HL01	628	HIERARCHICAL ID NUMBER	M	M	AN	01/12	FOLLOW STANDARD.
HL02	734	HIERARCHICAL PARENT ID	O	M	AN	01/12	FOLLOW STANDARD.
HL03	735	HIERARCHICAL LEVEL CODE	M	M	ID	01/02	USE "O" FOR PO LEVEL.

PRF SEGMENT		PURCHASE ORDER REFERENCE	OCCURS 1 TIME				
			ACE MANDATORY SEGMENT				
DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
PRF01	324	PO NUMBER	M	M	AN	01/22	PO NUMBER.
PRF07	92	PURCHASE ORDER TYPE CODE	O	M	ID	02/02	USE CODES BELOW FOR IDENTIFYING PURCHASE ORDER TYPE: KN = RSC PURCHASE ORDER DS = DROP SHIP

*NOTE: SEND BACK SAME PURCHASE ORDER # THAT WAS SENT ON THE ORIGINAL PURCHASE ORDER

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

MANDATORY SECTION FOR GS1-128 ASN REQUIREMENTS ON ALL RSC SHIPMENTS

IF SENDING IN PALLETS - THIS IS A REQUIREMENT

HL SEGMENT		HIERARCHICAL LEVEL	HL LOOP		SOTI LOOP		
TARE LEVEL		(HL LOOP FOR PALLET LEVEL)	ACE MANDATORY SEGMENT				
DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
HL01	628	HIERARCHICAL ID NUMBER	M	M	AN	01/12	FOLLOW STANDARD.
HL02	734	HIERARCHICAL PARENT ID	O	M	AN	01/12	FOLLOW STANDARD.
HL03	735	HIERARCHICAL LEVEL CODE	M	M	ID	01/02	USE "T" FOR PALLET.

MAN SEGMENT		PALLET IDENTIFICATION	OCCURS 1 TIME PER HL T LOOP		ACE MANDATORY SEGMENT		
DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
MAN01	324		M	M	ID	01/02	ID = GM = APPLICATION IDENTIFIER
MAN02	92		O	M	ID	02/20	PALLET IDENTIFICATION NUMBER GS1-128 PALLET ID ** MUST BE 20 CHARACTERS IN LENGTH ** MUST HAVE 2 LEADING ZERO'S ** MUST EMBED REGISTERED GS1 COMPANY PREFIX(DO NOT USE VENDOR NUMBER) ** MUST BE ALL NUMERIC - NO ALPHA CHARACTERS ** CANNOT BE ALL ZERO'S ** ONE MAN SEGMENT PER LOOP

The GS1-128 SSCC codes should be 20 characters and comprised of 2 leading zeroes, followed by a single number (any value), followed by your GS1 Company prefix, followed by a unique sequential # and ending with a check digit.

*** LABEL REQUIREMENTS:

In terms of Ace's label requirements, Ace does require GS1-128 labels. For palletized loads, Ace requires one label per pallet. For small parcel, Ace requires one GS1-128 per shipping carton. For the label requirements, you can contact GS1128compliance@acehardware.com mailbox. They will work with you on verifying your labels.

IF SENDING LOOSE CARTONS (I.E. SMALL PARCEL) ONLY TO AN RSC LOCATION - THIS IS A REQUIREMENT

HL SEGMENT		HIERARCHICAL LEVEL	HL LOOP		SOPI LOOP		
PACK LEVEL		(HL LOOP FOR CARTON LEVEL)	ACE MANDATORY SEGMENT				
DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
HL01	628	HIERARCHICAL ID NUMBER	M	M	AN	01/12	FOLLOW STANDARD.
HL02	734	HIERARCHICAL PARENT ID	O	M	AN	01/12	FOLLOW STANDARD.
HL03	735	HIERARCHICAL LEVEL CODE	M	M	ID	01/02	USE "P" FOR CARTON

MAN SEGMENT

PURCHASE ORDER REFERENCE

OCCURS 1 TIME PER HL P LOOP

ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
MAN01	324		M	M	ID	01/02	ID = GM = APPLICATION IDENTIFIER
MAN02	92		O	M	ID	02/20	GS1-128 CARTON ID **MUST BE 20 CHARACTERS IN LENGTH ** MUST HAVE 2 LEADING ZERO'S ** MUST EMBED REGISTERED GS1 COMPANY PREFIX(DO NOT USE VENDOR NUMBER) ** MUST BE ALL NUMERIC - NO ALPHA CHARACTERS ** CANNOT BE ALL ZERO'S ** ONE MAN SEGMENT PER LOOP

NOTE: DO NOT SEND BOTH. EITHER PALLET LEVEL OR CARTON LEVEL CAN ONLY ACCEPT ONE OF THE STRUCTURES IN THE ASN TRANSACTION

The GS1-128 SSCC codes should be 20 characters and comprised of 2 leading zeroes, followed by a single number (any value), followed by your GS1 Company prefix, followed by a unique sequential # and ending with a check digit.

***** LABEL REQUIREMENTS:**

In terms of Ace's label requirements, Ace does require GS1-128 labels. For palletized loads, Ace requires one label per pallet. For small parcel, Ace requires one GS1-128 per shipping carton. For the label requirements, you can contact GS1128compliance@acehardware.com mailbox. They will work with you on verifying your labels.

HL SEGMENTHIERARCHICAL LEVEL
(HL LOOP FOR ITEM LEVEL)HL LOOP OCCURS ONE TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
HL01	628	HIERARCHICAL ID NUMBER	M	M	AN	01/12	FOLLOW STANDARD.
HL02	734	HIERARCHICAL PARENT ID	O	M	AN	01/12	FOLLOW STANDARD.
HL03	735	HIERARCHICAL LEVEL CODE	M	M	ID	01/02	"I" = ITEM LEVEL.

LIN SEGMENT

ITEM IDENTIFICATION

OCCURS 1 TIME PER LOOP
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
LIN01	350	ASSIGNED IDENTIFICATION	O/Z	O	AN	01/20	PO LINE ITEM IDENTIFICATION ***NO ALPHA CHARACTERS TO BE USED
LIN02	235	PRODUCT / SERVICE ID QUALIFIER	M	M	ID	02/02	"UK" = UPC CODE OR... "IN" = BUYERS ITEM NUMBER OR... "VN" = VENDORS ITEM NUMBER. "LT" = LOT NUMBER
LIN03	234	PRODUCT / SERVICE ID	M	M	AN	01/48	IF LIN02 = "UK" ENTER UPC OR EAN #. IF LIN02 = "IN" ENTER ACE SKU NUMBER. IF LIN02 = "VN" ENTER VENDORS ITEM NUMBER, (MANUFACTURES ITEM NO.). IF LIN02 = "LT" LOT NUMBER
LIN04	235	PRODUCT / SERVICE ID QUALIFIER	X	M	ID	02/02	"UK" = UPC CODE OR... "IN" = BUYERS ITEM NUMBER OR... "VN" = VENDORS ITEM NUMBER. "LT" = LOT NUMBER
LIN05	234	PRODUCT / SERVICE ID	X	M	AN	01/48	IF LIN04 = "UK" ENTER UPC OR EAN #. IF LIN04 = "IN" ENTER ACE SKU NUMBER. IF LIN04 = "VN" ENTER VENDORS ITEM NUMBER, (MANUFACTURES ITEM NO.). IF LIN04 = "LT" ENTER LOT NUMBER
LIN06	235	PRODUCT / SERVICE ID QUALIFIER	X	M	ID	02/02	"UK" = UPC CODE OR... "IN" = BUYERS ITEM NUMBER OR... "VN" = VENDORS ITEM NUMBER. "LT" = LOT NUMBER
LIN07	234	PRODUCT / SERVICE ID	X	M	AN	01/48	IF LIN06 = "UK" ENTER UPC OR EAN #. IF LIN06 = "IN" ENTER ACE SKU NUMBER. IF LIN06 = "VN" ENTER VENDORS ITEM NUMBER, (MANUFACTURES ITEM NO.). IF LIN06 = "LT" ENTER LOT NUMBER

*NOTE: "UP" PRODUCT ID IS CHANGED TO "UK" TO FACILITATE GLOBAL COMMERCE. THE 12-DIGIT UPC IS EXPANDED TO 14-DIGITS.
*** FOR RSC ASN'S - ALL THREE IDENTIFIERS ARE SENT ON PO'S - YOU ARE REQUESTED TO SEND ALL BACK IF YOU HAVE A DISCREPANCY WITH YOUR VENDOR MFG NUMBER, CONTACT YOUR MERCHANT / PLANNER TO UPDATE
*** DROP SHIP ASN'S ARE OPTIONAL
*** FOR DROP SHIP ASN'S - YOU ARE REQUESTED TO SEND BACK YOUR VENDOR ITEM # AND UPC

*NOTE: LOT NUMBER REQUIREMENTS: THE LT QUALIFIER IS REQUIRED ON ITEMS THAT HAVE LOT NUMBERS
A PALLET CAN HAVE MULTIPLE ITEMS, BUT ONLY ONE LOT NUMBER PER ITEM, PER PALLET

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION

SN1 SEGMENT ITEM DETAIL (SHIPMENT)OCCURS 1 TIME PER LOOP
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
SN102	382	NUMBER OF UNITS SHIPPED	M	M	R	01/10	# OF UNITS SHIPPED.
SN103	355	UNIT OF MEASURE	M	M	ID	02/02	FOLLOW STANDARD (*)
SN105	330	QUANTITY ORDERED	X	M	R	01/15	# OF UNITS ORDERED.
SN106	355	UNIT OF MEASURE	X	M	ID	02/02	FOLLOW STANDARD (*)

(*) NOTE: PLEASE RETURN THE SAME UNIT OF MEASURE CODE THAT YOU RECEIVED ON THE ACE PURCHASE ORDER.

DO NOT SEND ZERO QUANTITIES SHIPPED ON ASN THIS WILL CAUSE BACK END PROCESSING FAILURES

PID SEGMENT PRODUCT/ITEM DESCRIPTIONOCCURS 1 TIME PER LOOP
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
PID01	349	ITEM DESCRIPTION TYPE	M	M	ID	01/01	"F" = FREE FORM.
PID05	352	DESCRIPTION	X	M	AN	01/80	ITEM DESCRIPTION

***NOTE: DO NOT USE ANY SPECIAL CHARACTERS IN ANY OF THE ELEMENTS - EXAMPLE : . , * / < > () @ % & # ETC.
THIS WILL CAUSE DOCUMENT TO STOP DURING TRANSLATION***** THIS SEGMENT IS MANDATORY IF ITEM HAS AN EXPIRATION DATE****DTM SEGMENT** DATE/TIME REFERENCEOCCURS 1 TIME PER LOOP
ACE MANDATORY SEGMENT IF ITEM HAS AN EXPIRATION DATE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
DTM01	374	DATE/TIME QUALIFIER	M	M	ID	03/03	USE "036" FOR EXPIRATION DATE
DTM02	373	DATE	X	M	DT	08/08	EXPIRATION DATE

CTT SEGMENT TRANSACTION TOTALSOCCURS 1 TIME
ACE MANDATORY SEGMENT

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
CTT01	354	NUMBER OF LINE ITEMS	M	M	N0	01/06	TOTAL NUMBER OF LINE ITEMS IN THE TRANSACTION SET.

SE SEGMENTTRANSACTION SET TRAILER
(X12 MANDATORY ENVELOPE) OCCURS 1 TIME
ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
SE01	96	NUMBER OF INCLUDED SEGMENTS	M	M	N0	01/06	FOLLOW STANDARD.
SE02	329	TRANSACTION SET CONTROL NO	M	M	AN	04/09	FOLLOW STANDARD.

GE SEGMENTFUNCTIONAL GROUP TRAILER
(X12 MANDATORY ENVELOPE) OCCURS 1 TIME
ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
GE01	97	NO. OF INCLUDED TRANSACTION SETS	M	M	N0	01/06	FOLLOW STANDARD.
GE02	28	GROUP CONTROL NO	M	M	N0	01/09	FOLLOW STANDARD.

IEA SEGMENTINTERCHANGE CONTROL TRAILER
(X12 MANDATORY ENVELOPE) OCCURS 1 TIME
ACE MANDATORY ENVELOPE

DATA ELEMENT	ELEMENT NUMBER	DATA ELEMENT NAME	ANSI REQ	ACE REQ	DATA TYPE	ELEMENT LENGTH	ACE REQUESTED FIELD CONTENTS
IEA01	116	NUMBER OF INCLUDED GROUPS	M	M	N0	01/05	FOLLOW STANDARD.
IEA02	112	INTERCHANGE CONTROL NO	M	M	N0	01/09	FOLLOW STANDARD.

856 Sample Vendor 02/2021 PALLET

ISA*00* *00* *01*006928311 *ZZ*222222222 *210201*0400*U*00400*999007782*0*P*>~

GS*SH*006928311*222222222*20210201*0400*999007783*X*004010~

ST*856*0001~

BSN*00*888888888*20210201*0400440~

HL*1**S~

TD1*****11.3*LB~

TD5**2*USPS**UPS~

REF*CN*PRONUM777777~

REF*BM*BOLNUM12345~

REF*LO*TMSIDNUM1234~

DTM*011*20210201~

N1*SF*Wilton Retail Support Center~

N3*295 Ballard Rd~

N4*Gansevoort*NY*12831~

HL*2*1*O~

PRF*222222*****KN~

HL*3*2*T~

MAN*GM*009999999999999999~ (PALLET ID NUM)

HL*4*3*I~

LIN*10*VN*06666666*IN*000777*UK*888888888888*LT*999999999~

SN1**1*EA**1*EA~

PID*F***DESCRIPTION OF FILE~

DTM*036*20210501~

CTT*1~

SE*22*0001~

GE*1*999007783~

IEA*1*999007782~

856 Sample Outbound 02/2021 CARTON

ISA*00* *00* *01*006928311 *ZZ*222222222 *210201*0400*U*00400*999007782*0*P*>~

GS*SH*006928311*222222222*20210201*0400*999007783*X*004010~

ST*856*0001~

BSN*00*888888888*20210201*0400440~

HL*1**S~

TD1*****11.3*LB~

TD5**2*USPS**UPS~

REF*CN*PRONUM777777~

REF*BM*BOLNUM12345~

REF*LO*TMSIDNUM1234~

DTM*011*20210201~

N1*SF*Wilton Retail Support Center~

N3*295 Ballard Rd~

N4*Gansevoort*NY*12831~

HL*2*1*O~

PRF*222222*****KN~

HL*3*2*P~

MAN*GM*009999999999999999~ (CARTON ID NUM)

HL*4*3*I~

LIN*10*VN*06666666*IN*000777*UK*888888888888*LT*999999999~

SN1**1*EA**1*EA~

PID*F***DESCRIPTION OF FILE~

DTM*036*20210501~

CTT*1~

SE*22*0001~

GE*1*999007783~

IEA*1*999007782~

856 Sample Vendor 01/2022 SAME PO MULTIPLE SKU'S ONE PALLET STRUCTURE

ISA*00* *00* *12*77777777 *01*006928311 *220111*1345*U*00401*100000594*0*P*}
GS*SH*77777777*006928311*20220111*1345*1594*X*004010
ST*856*1594
BSN*00*757*20220110*0737
HL*1**S
TD1*****220.0*LB
TD5**2*WIS1**ACE FLEET WIS1
REF*CN*137389450
REF*BM*2231123
DTM*011*20220111
N1*SF*NORTH TEST VENDOR NAME
N3*24138 TEST AVE
N4*Siren*WI*54872
HL*2**1*O
PRF*SSSS*****KN
HL*3*2*T
MAN*GM*00100261070000122497
HL*4*3*I
LIN*1*VN*5555*UK*000222222222*IN*3333333
SN1**20*EA**20*EA
PID*F****MESH GATE TEST
HL*5*3*I
LIN*3*VN*9999*UK*000666666666*IN*8888888
SN1**48*EA**48*EA
PID*F****HOOK TEST
HL*6*3*I
LIN*4*VN*8888*UK*000111111111*IN*4444444
SN1**12*EA**12*EA
PID*F****BARN TEST
HL*7*3*I
LIN*5*VN*2222*UK*000555555555*IN*1111111
SN1**8*EA**8*EA
PID*F****GREEN TEST
HL*8*3*I
LIN*6*VN*7777*UK*000444444444*IN*7777777
SN1**22*EA**22*EA
PID*F****BIRD FEED TEST

CTT*8
SE*37*1594
GE*1*1594
IEA*1*100000594

856 Sample Vendor 01/2022 SAME PO MULTIPLE PALLET STRUCTURE SAME SKU REPEATING

ISA*00* *00* *12*7777777777 *01*006928311 *220111*1350*U*00401*100000598*0*P*}

GS*SH*777777777*006928311*20220111*1350*1598*X*004010

ST*856*1598

BSN*00*761*20220110*0755

HL*1**S

TD1*****377.0*LB

TD5**2*WIS1**ACE FLEET WIS1

REF*CN*137389450

REF*BM*2231119

DTM*011*20220111

N1*SF*TEST VENDOR NAME

N3*2224 TEST AVE

N4*Siren*WI*54872

HL*2*1*O

PRF*TTTTT*****KN

HL*3*2*T

MAN*GM*00100261070000122756

HL*4*3*I

LIN*1*VN*4444*UK*000222222222*IN*5555555

SN1**32*EA**96*EA

PID*F****MESH GATE TEST

HL*5*2*T

MAN*GM*00100261070000122763

HL*6*5*I

LIN*1*VN*4444*UK*000222222222*IN*5555555

SN1**32*EA**96*EA

PID*F****MESH GATE TEST

HL*7*2*T

MAN*GM*00100261070000122770

HL*8*7*I

LIN*1*VN*4444*UK*000222222222*IN*5555555

SN1**32*EA**96*EA

PID*F****MESH GATE TEST

CTT*8

SE*33*1598

GE*1*1598

IEA*1*100000598