Kimball
Electronics

1205 Kimball Blvd
Jasper, IN 47546
812-634-4000

Delivery Note Message

EDI Transaction DESADV
Specifications EDIFACT
Standard D.97A
Inbound to Kimball

Document 10000000000035001
Version 00
Date 2023-04-13

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1 Schema structure

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2 Header Segments

2.1 UNB (INTERCHANGE HEADER)

To start, identify and specify an interchange.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl		Comment
S001_UNOC_3	SYNTAX IDENTIFIER	M		M		Identification of the agency controlling the syntax and indication of syntax level, plus the syntax version number. Max. occurrences is 1.
0001	Syntax identifier	M	A4	M	A4	Coded identification of the agency controlling a syntax and syntax level used in an interchange. **Code** **Description** UNOC **UN/ECE level C** As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.
0002	Syntax version number	M	N1	M	N1	Version number of the syntax identified in the syntax identifier (0001) **Code** **Description** 3 **Version 3** ISO 9735 Amendment 1:1992.
S002_ZZZ	INTERCHANGE SENDER	M		M		Identification of the sender of the interchange. Max. occurrences is 1.
0004	Sender identification	M	AN..35	M	AN..35	Name or coded representation of the sender of a data interchange.
0007	Partner identification code qualifier	O	AN..4	M	AN..4	Qualifier referring to the source of codes for the identifiers of interchanging partners. **Code** **Description** ZZZ **Mutually defined** Mutually defined between trading partners.
0008	Address for reverse routing	O	AN..14	O	AN..14	Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.
S003_ZZZ	INTERCHANGE RECIPIENT	M		M		Identification of the recipient of the interchange. Max. occurrences is 1.
0010	Recipient identification	M	AN..35	M	AN..35	Name or coded representation of the recipient of a data interchange.

Label	Name	Standard		Impl		Comment
0007	Partner identification code qualifier	O	AN..4	M	AN..4	Qualifier referring to the source of codes for the identifiers of interchanging partners. **Code** **Description** ZZZ **Mutually defined** Mutually defined between trading partners.
0014	Routing address	O	AN..14	O	AN..14	Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.
S004	Date/time of preparation	M		M		Date/time of preparation of the interchange. Max. occurrences is 1.
0017	Date of preparation	M	N6	M	N6	Local date when an interchange or a functional group was prepared.
0019	Time of preparation	M	N4	M	N4	Local time of day when an interchange or a functional group was prepared.
0020	Interchange control reference	M	AN..14	M	AN..14	Unique reference assigned by the sender to an interchange.
S005	RECIPIENT'S REFERENCE, PASSWORD	O		O		Reference or password as agreed between the communicating partners. Max. occurrences is 1.
0022	Recipient's reference/pass word	M	AN..14	M	AN..14	Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.
0025	Recipient's reference/pass word qualifier	O	AN2	O	AN2	Qualifier for the recipient's reference or password. Standard codelist for _0025 is supported.
0026	Application reference	O	AN..14	O	AN..14	Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.
0029	Processing priority code	O	A1	O	A1	Code determined by the sender requesting processing priority for the interchange. Standard codelist for _0029 is supported.
0031	Acknowledge ment request	O	N1	O	N1	Code determined by the sender for acknowledgement of the interchange. Standard codelist for _0031 is supported.
0032	Communicatio ns agreement ID	O	AN..35	O	AN..35	Identification by name or code of the type of agreement under which the interchange takes place.
0035	Test indicator	O	N1	O	N1	Indication that the interchange is a test. Standard codelist for _0035 is supported.

2.2 UNH (MESSAGE HEADER)

To head, identify and specify a message.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl		Comment
0062	Message reference number	M	AN..14	M	AN..14	Unique message reference assigned by the sender.
S009_D ESADV	MESSAGE IDENTIFIER	M		M		Identification of the type, version etc. of the message being interchanged. Max. occurrences is 1.
0065	Message type	M	AN..6	M	AN..6	Code identifying a type of message and assigned by its controlling agency. **Code** **Description** DESADV **Dispatch advice message** A code to identify the dispatch advice message.
0052	Message version number	M	AN..3	M	AN..3	Version number of a message type. **Code** **Description** D **Draft version/UN/EDIFACT Directory** Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).
0054	Message release number	M	AN..3	M	AN..3	Release number within the current message type version number (0052). **Code** **Description** 97A **Release 1997 - A** Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).

Label	Name	Standard	Impl	Comment
0051	Controlling agency	M AN..2	M AN..2	Code to identify the agency controlling the specification, maintenance and publication of the message type.
				Code **Description**
				UN **UN/CEFACT**
				United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).
0057	Association assigned code	O AN..6	Not used	
0068	Common access reference	O AN..35	O AN..35	Reference serving as a key to relate all subsequent transfers of data to the same business case or file.
S010	STATUS OF THE TRANSFER	O	O	Statement that the message is one in a sequence of transfers relating to the same topic. Max. occurrences is 1.
0070	Sequence of transfers	M N..2	M N..2	Number assigned by the sender indicating the numerical sequence of one or more transfers.
0073	First and last transfer	O A1	O A1	Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Standard codelist for _0073 is supported.

2.3 BGM (BEGINNING OF MESSAGE)

To indicate the type and function of a message and to transmit the identifying number.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl		Comment
BGM_35 1	DOCUMENT/ MESSAGE NAME	O		O		Identification of a type of document/message by code or name. Code preferred. Max. occurrences is 1.
1001	Document/me ssage name, coded	O	AN..3	M	AN..3	Document/message identifier expressed in code.
						Code **Description**
						351 **Dispatch advice**
						Document/message by means of which the seller or consignor informs the consignee about the Dispatch of goods.
1131	Code list qualifier	O	AN..3	O	AN..3	Identification of a code list. Standard codelist for _1131 is supported.
3055	Code list responsible agency, coded	O	AN..3	O	AN..3	Code identifying the agency responsible for a code list. Standard codelist for _3055 is supported.
1000	Document/me ssage name	O	AN..35	O	AN..35	Plain language identifier specifying the function of a document/message.
C106	DOCUMENT/ MESSAGE IDENTIFICATI ON	O		O		Identification of a document/message by its number and eventually its version or revision. Max. occurrences is 1.
1004	Document/me ssage number	O	AN..35	O	AN..35	Reference number assigned to the document/message by the issuer.
1056	Version	O	AN..9	O	AN..9	To specify the version number or name of an object.
1060	Revision number	O	AN..6	O	AN..6	To specify a revision number.
1225	Message function, coded	O	AN..3	O	AN..3	Code indicating the function of the message.
						Code **Description**
						9 **Original**
						Initial transmission related to a given transaction.
4343	Response type, coded	O	AN..3	O	AN..3	Code specifying the type of acknowledgment required or transmitted. Standard codelist for _4343 is supported.

2.4 DTM (DATE/TIME/PERIOD)

To specify date, and/or time, or period.

This segment is optional here.
Max. occurrences is 10.

Label	Name	Standard	Impl	Comment
DTM_137_11_132	DATE/TIME/PERIOD	M	M	Date and/or time, or period relevant to the specified date/time/period type. Max. occurrences is 1.
2005	Date/time/period qualifier	M AN..3	M AN..3	Code giving specific meaning to a date, time or period. **Code** **Description** 11 **Dispatch date and or time** (2170) Date/time on which the goods are or are expected to be dispatched or shipped. 132 **Document/message date/time** (2006) Date/time when a document/message is issued. This may include authentication. 137 **Arrival date/time, estimated** (2348) Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination.
2380	Date/time/period	O AN..35	M AN..35	The value of a date, a date and time, a time or of a period in a specified representation.
2379	Date/time/period format qualifier	O AN..3	M AN..3	Specification of the representation of a date, a date and time or of a period. **Code** **Description** 102 **CCYYMMDD** Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 **CCYYMMDDHHMM** Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

3 Ship Notice Segments

3.1 SG1

```
N            b        em M    v      C  a e      o x l     n    O
R      F 3      F      1  _       O R         EN         F _    E
D        T 3      M      1          _  D    1      A  7      T 1
```

This segment group is optional here.
Max. occurrences is 10.

3.1.1 RFF_ON_CN (REFERENCE)

To specify a reference.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl	Comment
C506	REFERENCE	M		M	Identification of a reference. Max. occurrences is 1.
1153	Reference qualifier	M AN..3		M AN..3	Code giving specific meaning to a reference segment or a reference number. **Code** **Description** CN **Carrier's reference number** Reference number assigned by carrier to a consignment. ON **Order number (purchase)** [1022] Reference number assigned by the buyer to an order.
1154	Reference number	O AN..35		M AN..35	Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.
1156	Line number	O AN..6		Not used	
4000	Reference version number	O AN..35		Not used	

3.1.2 DTM_171 (DATE/TIME/PERIOD)

To specify date, and/or time, or period.

This segment is optional here.
Max. occurrences is 1.

Label	Name	Standard		Impl		Comment
C507	DATE/TIME/P ERIOD	M		M		Date and/or time, or period relevant to the specified date/time/period type. Max. occurrences is 1.
2005	Date/time/peri od qualifier	M	AN..3	M	AN..3	Code giving specific meaning to a date, time or period. **Code** **Description** 171 **Reference date/time** Date/time on which the reference was issued.
2380	Date/time/peri od	O	AN..35	M	AN..35	The value of a date, a date and time, a time or of a period in a specified representation.
2379	Date/time/peri od format qualifier	O	AN..3	M	AN..3	Specification of the representation of a date, a date and time or of a period. **Code** **Description** 102 **CCYYMMDD** Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 **CCYYMMDDHHMM** Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

3.2 SG2

```
N                    Level   a        Max Occ.  m        Content                  e
NAD_MI_SU_ST_SF      3                 1                  NAME AND ADDRESS
```

This segment group is optional here.
Max. occurrences is 10.

3.2.1 NAD_MI_SU_ST_SF (NAME AND ADDRESS)

To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.
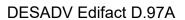
This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
3035	Party qualifier	M AN..3	M AN..3	Code giving specific meaning to a party.
				Code **Description**
				MI **Planning schedule/material release issuer**
				Self explanatory.
				SF **Ship from**
				Identification of the party from where goods will be or have been shipped.
				ST **Ship to**
				Identification of the party to where goods will be or have been shipped.
				SU **Supplier**
				(3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.
C082	PARTY IDENTIFICATION DETAILS	O	O	Identification of a transaction party by code. Max. occurrences is 1.
3039	Party id. identification	M AN..35	M AN..35	Code identifying a party involved in a transaction.
1131	Code list qualifier	O AN..3	O AN..3	Identification of a code list. Standard codelist for _1131 is supported.

Label	Name	Standard	Impl	Comment
3055	Code list responsible agency, coded	O AN..3	M AN..3	Code identifying the agency responsible for a code list. **Code** **Description** 92 **Assigned by buyer or buyer's agent** Self explanatory.
C058	NAME AND ADDRESS	O	O	Unstructured name and address: one to five lines. Max. occurrences is 1.
3124	Name and address line	M AN..35	M AN..35	Free form name and address description.
3124	Name and address line	O AN..35	O AN..35	Free form name and address description.
3124	Name and address line	O AN..35	O AN..35	Free form name and address description.
3124	Name and address line	O AN..35	O AN..35	Free form name and address description.
3124	Name and address line	O AN..35	O AN..35	Free form name and address description.
C080	PARTY NAME	O	O	Identification of a transaction party by name, one to five lines. Party name may be formatted. Max. occurrences is 1.
3036	Party name	M AN..35	M AN..35	Name of a party involved in a transaction.
3036	Party name	O AN..35	O AN..35	Name of a party involved in a transaction.
3036	Party name	O AN..35	O AN..35	Name of a party involved in a transaction.
3036	Party name	O AN..35	O AN..35	Name of a party involved in a transaction.
3036	Party name	O AN..35	O AN..35	Name of a party involved in a transaction.
3045	Party name format, coded	O AN..3	O AN..3	Specification of the representation of a party name. Standard codelist for _3045 is supported.
C059	STREET	O	O	Street address and/or PO Box number in a structured address: one to three lines. Max. occurrences is 1.
3042	Street and number/p.o. box	M AN..35	M AN..35	Street and number in plain language, or Post Office Box No.
3042	Street and number/p.o. box	O AN..35	O AN..35	Street and number in plain language, or Post Office Box No.
3042	Street and number/p.o. box	O AN..35	O AN..35	Street and number in plain language, or Post Office Box No.
3042	Street and number/p.o. box	O AN..35	O AN..35	Street and number in plain language, or Post Office Box No.

Label	Name	Standard		Impl		Comment
3164	City name	O	AN..35	O	AN..35	Name of a city (a town, a village) for addressing purposes.
3229	Country sub-entity identification	O	AN..9	O	AN..9	Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.
3251	Postcode identification	O	AN..9	O	AN..9	Code defining postal zones or addresses.
3207	Country, coded	O	AN..3	O	AN..3	Identification of the name of a country or other geographical entity as specified in ISO 3166.

3.3 SG6

N		Level	a	Max Occ.	m	Content	e
TDT_20		3		1		DETAILS OF TRANSPORT	

This segment group is optional here.
Max. occurrences is 10.

3.3.1 TDT_20 (DETAILS OF TRANSPORT)

To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
8051	Transport stage qualifier	M AN..3	M AN..3	Qualifier giving a specific meaning to the transport details. **Code** **Description** 20 **Main-carriage transport** The primary stage in the movement of cargo from the point of origin to the intended destination.
8028	Conveyance reference number	O AN..17	O AN..17	Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).
C220	MODE OF TRANSPORT	O	O	Method of transport code or name. Code preferred. Max. occurrences is 1.
8067	Mode of transport, coded	O AN..3	O AN..3	Coded method of transport used for the carriage of the goods.
8066	Mode of transport	O AN..17	O AN..17	Method of transport used for the carriage of the goods.
C228	TRANSPORT MEANS	O	O	Code and/or name identifying the type of means of transport. Max. occurrences is 1.
8179	Type of means of transport identification	O AN..8	M AN..8	Code defining the type of the means of transport being utilized. **Code** **Description** 31 **Truck** Self explanatory.
8178	Type of means of transport	O AN..17	O AN..17	Description of the type of the means of transport being utilized.

3.4   SG10

Name	Level	Max Occ.	Content
CPS_1_2_4	3	1	CONSIGNMENT PACKING SE
SG11	3	9999	PACKAGING
PAC	4	1	PACKAGE
MEA_PD	4	10	MEASUREMENTS
QTY_52	4	10	QUANTITY
SG13	4	1000	
PCI_16_17	5	1	PACKAGE IDENTIFICATION
SG14	5	99	
GIN_BJ	6	1	GOODS IDENTITY NUMBER
SG15	3	9999	
LIN_BP	4	1	LINE ITEM
PIA_MF	4	10	ADDITIONAL PRODUCT ID
MEA_PD	4	10	MEASUREMENTS
QTY_12	4	10	QUANTITY
SG20	4	9999	
PCI_13	5	1	PACKAGE IDENTIFICATION
DTM_364	5	5	DATE/TIME/PERIOD
QTY_12	5	1	QUANTITY
SG21	5	10	
GIN_BX	6	1	GOODS IDENTITY NUMBER

This segment group is optional here.
Max. occurrences is 9,999.

3.4.1 CPS_1_2_4 (CONSIGNMENT PACKING SEQUENCE)

To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
7164	Hierarchical id. number	M AN..12	M AN..12	A unique number assigned by the sender to identify a level within a hierarchical structure.
7166	Hierarchical parent id.	O AN..12	O AN..12	Identification number of the next higher hierarchical data segment in a hierarchical structure.
7075	Packaging level, coded	O AN..3	M AN..3	Indication of level of packaging specified.

Indication of level of packaging specified (7075):

Code	Description
1	**Inner**
	Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.
3	**Outer**
	For packed merchandise, outermost level of packaging for a shipment.
4	**No packaging hierarchy**
	There is no specifiable level of packaging: packaging is inner and outer level as well.

3.4.2 SG11 (PACKAGING)

Name	Level	Max	C	Occ.	content
PAC	4	1			PACKAGE
MEA	4 P D	1 0			MEASUREM
QTY	_4 5 2	1 0			QUANTITY
SG 1 3 4		1 0 0 0			
PCI _5 1 6	_ 1 1 7				PACKAGE I
SG 1 4 5		9 9			
GIN _6 B J	1				GOODS ID

SG11 is required only in case of packaging.
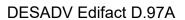
This segment group is optional here.
Max. occurrences is 9,999.

3.4.2.1 PAC (PACKAGE)

To describe the number and type of packages/physical units.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl		Comment
7224	Number of packages	O	N..8	O	N..8	Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.
C202	PACKAGE TYPE	O		O		Type of package by name or by code from a specified source. Max. occurrences is 1.
7065	Type of packages identification	O	AN..17	O	AN..17	Coded description of the form in which goods are presented.
1131	Code list qualifier	O	AN..3	O	AN..3	Identification of a code list. Standard codelist for _1131 is supported.
3055	Code list responsible agency, coded	O	AN..3	O	AN..3	Code identifying the agency responsible for a code list. Standard codelist for _3055 is supported.
7064	Type of packages	O	AN..35	O	AN..35	Description of the form in which goods are presented.
C402	PACKAGE TYPE IDENTIFICATION	O		O		Identification of the form in which goods are described. Max. occurrences is 1.
7077	Item description type, coded	M	AN..3	M	AN..3	Code indicating the format of a description. Standard codelist for _7077 is supported.
7064	Type of packages	M	AN..35	M	AN..35	Description of the form in which goods are presented.
7143	Item number type, coded	O	AN..3	O	AN..3	Identification of the type of item number. Standard codelist for _7143 is supported.
7064	Type of packages	O	AN..35	O	AN..35	Description of the form in which goods are presented.
7143	Item number type, coded	O	AN..3	O	AN..3	Identification of the type of item number. Standard codelist for _7143 is supported.
C532	RETURNABLE PACKAGE DETAILS	O		O		Indication of responsibility for payment and load contents of returnable packages. Max. occurrences is 1.

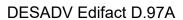| Label	Name	Standard		Impl		Comment
8395	Returnable package freight payment responsibility, coded	O AN..3		O AN..3		To indicate responsibility for payment of return freight charges for packaging that is returnable. Standard codelist for _8395 is supported.

3.4.2.2 MEA_PD (MEASUREMENTS)

To specify physical measurements, including dimension tolerances, weights and counts.

This segment is optional here.
Max. occurrences is 10.

Label	Name	Standard	Impl	Comment
6311	Measurement purpose qualifier	M AN..3	M AN..3	Specification of the purpose of the measurement. **Code** **Description** PD **Physical dimensions (product ordered)** Specified measurement dimensions refer to physical dimensions of a product, material or package.
C502	MEASUREME NT DETAILS	O	O	Identification of measurement type. Max. occurrences is 1.
6313	Property measured, coded	O AN..3	M AN..3	Specification of the property measured. **Code** **Description** AAB **Unit gross weight** [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.
6321	Measurement significance, coded	O AN..3	Not used	
6155	Measurement attribute identification	O AN..17	Not used	
6154	Measurement attribute	O AN..70	O AN..70	To specify non-discrete measurement values.
C174	VALUE/RANG E	O	O	Measurement value and relevant minimum and maximum tolerances in that order. Max. occurrences is 1.
6411	Measure unit qualifier	M AN..3	M AN..3	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.
6314	Measurement value	O AN..18	O AN..18	Value of the measured unit.
6162	Range min	O N..18	O N..18	Minimum of a range.
6152	Range max	O N..18	O N..18	Maximum of a range.
6432	Significant digits	O N..2	O N..2	To specify the number of significant digits.

Label	Name	Standard	Impl	Comment
7383	Surface/layer indicator, coded	O AN..3	O AN..3	Code indicating the surface or layer of a product that is being described. Standard codelist for _7383 is supported.

3.4.2.3 QTY_52 (QUANTITY)

To specify a pertinent quantity.

This segment is optional here.
Max. occurrences is 10.

Label	Name	Standard	Impl	Comment
C186	QUANTITY DETAILS	M	M	Quantity information in a transaction, qualified when relevant. Max. occurrences is 1.
6063	Quantity qualifier	M AN..3	M AN..3	Code giving specific meaning to a quantity. **Code** **Description** 52 **Quantity per pack** Self explanatory.
6060	Quantity	M N..15	M N..15	Numeric value of a quantity.
6411	Measure unit qualifier	O AN..3	O AN..3	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.

3.4.2.4 SG13

```
N        a L    m e      M v e      e a C    l x o        n O      t   c   e
P        C  5 I   _      11      6    P  _    A 1      C 7      K       A
  S        G  5 1    4 9      9             
  G        I  6N      _      1 B      J G      O        O       D
```

This segment group is optional here.
Max. occurrences is 1,000.

3.4.2.4.1 PCI_16_17 (PACKAGE IDENTIFICATION)

To specify markings and labels on individual packages or physical units.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment

4233	Marking instructions, coded	O AN..3	M AN..3	Code indicating instructions on how specified packages or physical units should be marked.
				
				Code **Description**
				
				16 **Buyer's instructions**
				   Markings as specified by the buyer.
				
				17 **Seller's instructions**
				   Markings as specified by the seller.

3.4.2.4.2   SG14

```
N              Level   a       Max Occ.   m    Content                e
GIN_BJ         6               1               GOODS IDENTITY NUMBER
```

This segment group is optional here.
Max. occurrences is 99.

3.4.2.4.2.1   GIN_BJ (GOODS IDENTITY NUMBER)

To give specific identification numbers, either as single numbers or ranges.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
7405	Identity number qualifier	M AN..3	M AN..3	Code specifying the type/source of identity number. **Code** **Description** BJ **Serial shipping container code** Serial code uniquely identifying a shipping container.
C208	IDENTITY NUMBER RANGE	M	M	Goods item identification numbers, start and end of consecutively numbered range. Max. occurrences is 1.
7402	Identity number	M AN..35	M AN..35	The number given to an object for its unique identification.
7402	Identity number	O AN..35	O AN..35	The number given to an object for its unique identification.

3.4.3 SG15

```
N   a   m   e   L   e   v   e   l   M   a   x       O   C c o c n   t   e   n   t
L   I   N   _   B   P 4                   1                   L   I   N   E       I   T   E   M
P   I   A   _   M   F                     1   0               A   D   D   I   T   I   O   N   A   L       P   F
M   E   A   _   P   4 D                   1   0               M   E   A   S   U   R   E   M   E   N   T
Q   T   Y   _   1   4 2                   1   0               Q   U   A   N   T   I   T   Y
S   G   2   0       4                     9   9   9   9
P   C   I   _   1   3 5                   1                   P   A   C   K   A   G   E       I   D   E   N
D   T   M   _   3 5 6   4                 5                   D   A   T   E   /   T   I   M   E   /   P   E   F
Q   T   Y   _   1   5 2                   1                   Q   U   A   N   T   I   T   Y
S   G   2   1       5                     1   0
G   I   N   _   B   X                     1                   G   O   O   D   S       I   D   E   N   T   I
```

This segment group is optional here.
Max. occurrences is 9,999.

3.4.3.1   *LIN_BP (LINE ITEM)*

To identify a line item and configuration.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
1082	Line item number	O AN..6	O AN..6	Serial number designating each separate item within a series of articles.
C212	ITEM NUMBER IDENTIFICATION	O	O	Goods identification for a specified source. Max. occurrences is 1.
7140	Item number	O AN..35	M AN..35	A number allocated to a group or item.
7143	Item number type, coded	O AN..3	M AN..3	Identification of the type of item number.
				Code **Description**
				BP **Buyer's part number**
				Reference number assigned by the buyer to identify an article.
1131	Code list qualifier	O AN..3	O AN..3	Identification of a code list. Standard codelist for _1131 is supported.
3055	Code list responsible agency, coded	O AN..3	O AN..3	Code identifying the agency responsible for a code list. Standard codelist for _3055 is supported.
1222	Configuration level	O N..2	O N..2	Number indicating the level of an object which is in a hierarchy.
7083	Configuration, coded	O AN..3	O AN..3	Code indicating the status of the sub-line item in the configuration. Standard codelist for _7083 is supported.

3.4.3.2 PIA_MF (ADDITIONAL PRODUCT ID)

To specify additional or substitutional item identification codes.

This segment is optional here.
Max. occurrences is 10.

Label	Name	Standard	Impl	Comment
4347	Product id. function qualifier	M AN..3	M AN..3	Indication of the function of the product code. **Code** **Description** 1 **Additional identification** Information which specifies and qualifies product identifications.
C212	ITEM NUMBER IDENTIFICATION	M	M	Goods identification for a specified source. Max. occurrences is 1.
7140	Item number	O AN..35	M AN..35	A number allocated to a group or item.
7143	Item number type, coded	O AN..3	M AN..3	Identification of the type of item number. **Code** **Description** MF **Manufacturer's (producer's) article number** The number given to an article by its manufacturer.
1131	Code list qualifier	O AN..3	O AN..3	Identification of a code list. Standard codelist for _1131 is supported.
3055	Code list responsible agency, coded	O AN..3	O AN..3	Code identifying the agency responsible for a code list. Standard codelist for _3055 is supported.

3.4.3.3   MEA_PD (MEASUREMENTS)

To specify physical measurements, including dimension tolerances, weights and counts.

This segment is mandatory here.
Max. occurrences is 10.

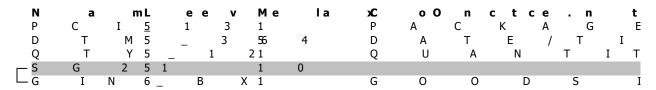| Label	Name	Standard		Impl		Comment
6311	Measurement purpose qualifier	M	AN..3	M	AN..3	Specification of the purpose of the measurement. **Code** **Description** PD **Physical dimensions (product ordered)** Specified measurement dimensions refer to physical dimensions of a product, material or package.
C502	MEASUREME NT DETAILS	O		O		Identification of measurement type. Max. occurrences is 1.
6313	Property measured, coded	O	AN..3	M	AN..3	Specification of the property measured. **Code** **Description** AAB **Unit gross weight** [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.
6321	Measurement significance, coded	O	AN..3	O	AN..3	Code specifying the significance of a measurement value. Standard codelist for _6321 is supported.
6155	Measurement attribute identification	O	AN..17	O	AN..17	Code used to specify non-discrete measurement values. Standard codelist for _6155 is supported.
6154	Measurement attribute	O	AN..70	O	AN..70	To specify non-discrete measurement values.
C174	VALUE/RANG E	O		O		Measurement value and relevant minimum and maximum tolerances in that order. Max. occurrences is 1.
6411	Measure unit qualifier	M	AN..3	M	AN..3	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.
6314	Measurement value	O	AN..18	M	AN..18	Value of the measured unit.
6162	Range minimum	O	N..18	O	N..18	Minimum of a range.
6152	Range maximum	O	N..18	O	N..18	Maximum of a range.
6432	Significant digits	O	N..2	O	N..2	To specify the number of significant digits.

3.4.3.4 QTY_12 (QUANTITY)

To specify a pertinent quantity.

This segment is mandatory here.
Max. occurrences is 10.

Label	Name	Standard	Impl	Comment
C186	QUANTITY DETAILS	M	M	Quantity information in a transaction, qualified when relevant. Max. occurrences is 1.
6063	Quantity qualifier	M AN..3	M AN..3	Code giving specific meaning to a quantity. **Code** **Description** 12 **Dispatch quantity** Quantity Dispatched by the seller.
6060	Quantity	M N..15	M N..15	Numeric value of a quantity.
6411	Measure unit qualifier	O AN..3	M AN..3	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. **Code** **Description** KGM Kilogram EA Each LBR Pound GRM Gram

3.4.3.5 SG20

```
    N     a   mL    e  e  v   M e   l a   xC    o O   n  c t c e  .  n    t
    P     C   I 5   1     3   1           P    A   C   K    A   G        E
    D     T   M 5   _     3   56  4       D    A   T   E   /  T  I
    Q     T   Y 5   _     1   21           Q   U   A   N   T   I  T
   ┌S     G   2 5 1         1   0          G   O   O   D   S       I
   └G     I   N 6 _   B   X 1             G    O   O   D   S       I
```

This segment group is optional here.
Max. occurrences is 9,999.

3.4.3.5.1 PCI_13 (PACKAGE IDENTIFICATION)

To specify markings and labels on individual packages or physical units.
 Production/manufacture date
 PCI+13+202002'

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
4233	Marking instructions, coded	O AN..3	M AN..3	Code indicating instructions on how specified packages or physical units should be marked. **Code** **Description** 13 **Mark date of production** Self explanatory.
8275	Container/package status, coded	O AN..3	O AN..3	Code to identify whether goods of separate description or comprising separate consignments are contained in the same external packaging or to indicate that a container or similar unit load device is empty. Standard codelist for _8275 is supported.

3.4.3.5.2 DTM_364 (DATE/TIME/PERIOD)

To specify date, and/or time, or period.

This segment is optional here.
Max. occurrences is 5.

Label	Name	Standard	Impl	Comment
C507	DATE/TIME/PERIOD	M	M	Date and/or time, or period relevant to the specified date/time/period type. Max. occurrences is 1.
2005	Date/time/period qualifier	M AN..3	M AN..3	Code giving specific meaning to a date, time or period. **Code** **Description** 364 **Minimum shelf life remaining at time of Dispatch period** Period indicating the minimum shelf life remaining for a product at the time of leaving the supplier.
2380	Date/time/period	O AN..35	M AN..35	The value of a date, a date and time, a time or of a period in a specified representation.
2379	Date/time/period format qualifier	O AN..3	M AN..3	Specification of the representation of a date, a date and time or of a period. **Code** **Description** 102 **CCYYMMDD** Calendar date: C = Century ; Y = Year ; M = Month ; D = Day. 203 **CCYYMMDDHHMM** Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

3.4.3.5.3 QTY_12 (QUANTITY)

To specify a pertinent quantity.

This segment is optional here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
C186	QUANTITY DETAILS	M	M	Quantity information in a transaction, qualified when relevant. Max. occurrences is 1.
6063	Quantity qualifier	M AN..3	M AN..3	Code giving specific meaning to a quantity. **Code** **Description** 12 **Dispatch quantity** Quantity Dispatched by the seller.
6060	Quantity	M N..15	M N..15	Numeric value of a quantity.
6411	Measure unit qualifier	O AN..3	M AN..3	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. **Code** **Description** KGM Kilogram EA Each LBR Pound GRM Gram

3.4.3.5.4   SG21

```
N                  Level     a        Max Occ.   m      Content                      e
GIN_BX             6                  1                  GOODS IDENTITY NUMBER
```

This segment group is optional here.
Max. occurrences is 10.

3.4.3.5.4.1   GIN_BX (GOODS IDENTITY NUMBER)

To give specific identification numbers, either as single numbers or ranges.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard		Impl	Comment
7405	Identity number qualifier	M AN..3		M AN..3	Code specifying the type/source of identity number. **Code** **Description** BX **Batch number** Unique number affixed by manufacturer to a batch of products produced under similar conditions.
C208	IDENTITY NUMBER RANGE	M		M	Goods item identification numbers, start and end of consecutively numbered range. Max. occurrences is 1.
7402	Identity number	M AN..35		M AN..35	The number given to an object for its unique identification.
7402	Identity number	O AN..35		Not used	

4 UNZ (INTERCHANGE TRAILER)

4.1 UNT (MESSAGE TRAILER)

To end and check the completeness of a message.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
0074	Number of segments in the message	M N..6	M N..6	Control count of number of segments in a message.
0062	Message reference number	M AN..14	M AN..14	Unique message reference assigned by the sender.

4.2 UNZ (INTERCHANGE TRAILER)

To end and check the completeness of an interchange.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
0036	Interchange control count	M N..6	M N..6	The count either of the number of messages or, if used, of the number of functional groups in an interchange. One of these counts shall appear.
0020	Interchange control reference	M AN..14	M AN..14	Unique reference assigned by the sender to an interchange.

5 Example Files

5.1 DESADV SAMPLE FILE WITH MULTIPLE BATCH NUMBERS

```
UNA:+.? '
UNB+UNOC:3+SENDERID:01+131522401S:ZZ:RECEIVERID+200709:0012+0000000000
0432+ +DESADV'
UNH+1+DESADV:D:97A:UN:EDDS07'
BGM+351+3111111111+9'
DTM+137:20200719:102'
DTM+11:20200709:102'
RFF+CN:3637111111'
RFF+ON:4500000000'
NAD+MI+OUSDKIKEG06::92++KIMBALL ELECTRONICS (THAILAND) LTD.'
NAD+ST+IUSDKIKEG06::92++KIMBALL ELECTRONICS (THAILAND) LTD.'
NAD+SU+40000000::92++PARTNER NAME'
TDT+20++6++::182:DHL AIR COURIER'
CPS+1++4'
LIN+000010++111111:BP::92'
PIA+1+TPS222222222:MF::91'
MEA+PD+AAB+KGM:600'
QTY+12:30000:EA'
PCI+13+20200110'
QTY+12:7500:EA'
GIN+BX+Batch 1'
PCI+13+20200210'
QTY+12:7500:EA'
GIN+BX+Batch 2'
PCI+13+20200310'
QTY+12:15000:EA'
GIN+BX+Batch 3'
UNT+28+1'
UNZ+1+00000000000432'
```