Electronic Trading Team

Message Implementation Guide

ANSI X.12 3020

Advance Ship Note

V1.05

PRODUCED BY
KMART AUSTRALIA LIMITED
ELECTRONIC TRADING TEAM

This document has been submitted on the understanding that it remains within the recipient's organisation to assist in the development of Electronic Trading with Kmart Australia Limited. Details within this document are to be treated as confidential and should not be released unless expressly authorised by Kmart Electronic Trading Team. Reproduction of all or any part of this document in any form is not permitted without prior approval from Kmart Australia Limited. This document remains the property of Kmart Australia Limited. Kmart Australia Limited reserves the right to request return of the document at any time. Kmart Australia Limited accepts no responsibility and will not be liable for any use of the EDi Implementation Guide. Any use of this document is at the risk of the user.

© COPYRIGHT
690 Springvale Road
Mulgrave Victoria 3170
PO Box 2000 Glen Iris Victoria 3146
Telephone (03) 9902 2000
Facsimile (03) 9902 2222
Telex AA34090
ACN 004 700 485

ISSUED BY	Kmart Electronic Trading Team
ISSUE DATE	September 2010

CHANGE CONTROL

Version	Date	Description	Author
1.00	31/07/98	1st Release – Draft for review	Marcella Mazza/Theo Ross
1.00	20/08/98	2nd Release – Draft for review	Marcella Mazza/Theo Ross
1.00	3/09/98	1st Release	Marcella Mazza/Theo Ross
1.01	24/11/00	1st Release with clarification	Marcella Mazza
1.02	28/03/01	1st Release – updated to allow Release orders	Marcella Mazza
1.03	21/09/04	Highlighted that the Hierarchical Structure Code within the BSN Segment must only be for the for the Pick & Pack Structure – value "0001" The Standard Carton Pack (value "0002") and No Pack structures are (element omitted) are for future use only.	Theo Ross
1.04	14/07/09	Changed reference from Coles Myer Limited to Kmart Australia Limited	John Bethune
1.05	1/09/10	Updated Segment examples	John Bethune

Clarification added 3/11/00 :

Segments : BSN – ASN no. referenced by Kmart cannot be more than 10 characters in length.

MAN – (all levels) Kmart Kmart has a limitation of 10,000 (ten thousand) outer units – be they pallets or cartons.

SLN (pack level) is only required in the Standard Pack Structure where Multiple components/cartons to an item are being shipped.

TD5 (item level) is only required in the Standard Pack Structure.

Clarification added 28/03/01 :

Segment : PRF – 02 Release number must be used if it appears on the order.

Contents

ANSI X12 envelope structure

Transaction Set Interchange Control Structure **Version** 00200

Version 00200

This ISA segment marks the beginning of the transmission and provides sender/receiver identification.

Each GS segment marks the beginning of a functional group. There may be one or more than one functional groups within each transmission. The ST segment marks the beginning of each transaction set (electronic document). There can be up to 999,999 transactions sets within each functional group.

The interchange control structure is common to all the transaction sets.

ISA	INTERCHANGE CONTROL HEADER	MANDATORY
GS	FUNCTIONAL GROUP HEADER	MANDATORY
ST	TRANSACTION SET HEADER (FOLLOWED BY TRANSACTION SET SEGMENTS)	MANDATORY
SE	TRANSACTION SET TRAILER	MANDATORY
GE	FUNCTIONAL GROUP TRAILER	MANDATORY
IEA	INTERCHANGE CONTROL TRAILER	MANDATORY

Segment ISA
Interchange control header

Level	Envelope
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
O1	AUTHORISATION INFORMATION QUALIFIER	101	ID	2	2	M	Code to identify the type of information in the authorisation information. Authorisation information is used to accommodate a UCS communications ID. It is only used when using ANSI standard and UCS communications. Normally the value is 00. 00=No authorisation information is present (no meaningful information in I02). The interchange control number value in this header must match the value in the same data element in the corresponding interchange control trailer.
02	AUTHORISATION INFORMATION	103	AN	10	10	M	Information used for additional identification or authorisation of the sender or the data in the interchange. The type of information is set by the authorisation information qualifier. Normally this field is blank. If ISA01 is 01 this field will contain the UCS communications IS. The first occurrence of the <gs> (byte 4) defines the actual value of the data element separator and is graphically displayed as an asterisk " " in other ANSIX12 data segment documentation (eg the PO1 segment). The first occurrence of the <tr>, 1 byte after the data element ISA16, defines the actual value of the segment terminator and is graphically displayed as NL in other ANSI ASCX12 data segment documentation (eg the BFR segment in ANSIX12.22).
03	SECURITY INFORMATION QUALIFIER	103	ID	2	2	M	Code to identify the type of information in the Security Information. Security Information is only used when using the UCS Communication standard. Normally the value is 00. 00=No security information present (no meaningful information in 104).

Segment ISA
Interchange control header cont'd

04	SECURITY INFORMATION	104	AN	10	10	M	This is used for identifying the security information about the sender on the data in the interchange. The type of information is set by the security information qualifier. Normally this field is blank. If ISA03 is 01 this field will contain a password that has been agreed to by the sender and receiver.
05	INTERCHANGE ID QUALIFIER	105	ID	2	2	M	Qualifier to designate the system/method of code structure used to designate the sender or receiver id element being qualified. The interchange ID qualifier is used to define the code used in ISA06 to identify sender of the interchange. ZZ=mutually defined.
06	INTERCHANGE SENDER	106	ID	15	15	M	Supplier ID (EDI address) Identification code published by the sender for other parties to use as the receiver ID to route data to them. The sender always codes this number in the sender ID element. The identification code described by ISA05. Left justified, blank fill.
07	INTERCHANGE ID QUALIFIER	105	ID	2	2	M	Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. The interchange ID qualifier is used to define the code used, in ISA08, to identify receiver of the interchange. ZZ=mutually defined.
08	INTERCHANGE RECEIVER	107	ID	15	15	M	EDI Address.Identification code published by the receiver of the data. When sending, it is used by the sender as their ID, thus other parties sending to them will use this as receiving ID to route data to them. The identification code described by ISA07. Left justified, blank fill.
09	DATE	108	DT	6	6	M	Date of the interchange ISA generated (YYMMDD). The date the interchange was created in the sender's system; submit date.
10	TIME	109	TM	4	4	M	Time of the interchange created (HHMM) in the sender's system; submit time. 24 hour clock.
11	INTERCHANGE STANDARDS IDENTIFIER	110	ID	1	1	M	Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer. U US EDI Community of X12, TDCC and UCS.

Segment ISA
Interchange control header cont'd

12	INTERCHANGE VERSION ID	111	ID	5	5	M	This version number covers the interchange control segment only. Positions 1-3 of the field = major version, 4-5 of the field = release level of the version. This version number is for the envelope only. It is not the same as the version number is the GS segments. 00200=The current value, Version 2, Release 0.
13	INTERCHANGE CONTROL NUMBER	112	N	9	9	M	Generated by the Supplier. This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with sender ID, it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver and all third parties be able to maintain an audit trail of interchanges using this number. The number is sequentially assigned, by the sender, starting with one within each trading partner. The trading partner at the interchange level is defined by the interchange receiver ID (ISA08). The control number is incremented by one for each interchange envelope sent to the trading partner. When the control numbers reaches 999999999 (maximum size) the next interchange envelope will have the control number of 000000001.
14	ACKNOWLEDGEMENT REQUESTED	113	ID	1	1	M	Code set by the sender to request an interchange acknowledgment. The retail industry is not using transmission acknowledgments. The transmission is not the same as the functional group acknowledgment. O=No acknowledgment requested.
15	TEST INDICATOR	114	ID	1	1	M	Code to indicate whether data enclosed by this interchange envelope is test or production. The test indicator is valuable for start up system tests. The indicator applies to the entire transmission. **P**=Production data. **T**=Test data.
16	SUBELEMENT SEPARATOR	115	AN	1	1	M	This is a field reserved for future expansion in separating data element subgroups. >=The value identified for retail use.

Segment ISA
Interchange control header cont'd

NOTES **The purpose of this segment is to start and identify and interchange of one or more functional groups and interchange related control segments.**

The interchange control number value in this header must match the value in the same data element in the corresponding interchange control trailer.

The first occurrence of the <gs> (byte 4) defines the actual value of the data element separator and is graphically displayed as an asterisk *** in other ANSIX12 data segment documentation (for example, the PO1 segment). The first occurrence of the <tr>, 1 byte after the data element ISA16, defines the actual value of the segment terminator and is graphically displayed as NL in other ANSI ASCX12 data segment documentation (for example, the BFR segment in ANSIX12.22).

The ISA segment is fixed length (min/max are equal for each element), however, data element separators are used between data elements to be consistent with the basic syntax of segment structure.

The following control characters have been identified for use in the retail industry ...

Segment terminator NEW LIN - (HEX "15" in EBCDIC)
CR - (HEX"OD" in ASCII)

- The segment terminator that is to be used in the transmission is defined by the first occurrence of the segment terminator in the ISA segment, for example, ISA*00...N/L
- Whichever character is used for the segment terminator must be used throughout the transmission

Element separator **Recommended character** BELL - (HEX "2F" in EBCDIC)
(HEX "07" in ASC11)
Alternate character """ - (HEX "5C" in EBCDIC)
(HEX "2A" in ASCII)

- The element separator that is to be used in the transmission is defined by the first occurrence of the element separator in the ISA segment, for example, ISA*00...

Subelement separator ">" - (HEX "6E" in EBCDIC)
(HEX "3E" in ASCII)

Caution any time a printable character is used to control the translation of data, that control character cannot be used as data within the transmission. Some systems/network protocols may translate control characters when going from EBCDIC to ASCII and back.

The ISA supports the UCS communication standard as well as the normal ANSIX12 convention for identification of the receiver and the sender.

ISA01 through ISA04 are only used if the trading partners are using the UCS communication standard. If the UCS communication standard is NOT used ISA01 and ISA03 will contain 00. ISA02 and ISA04 will contain spaces. If the UCS communication standard is being used ISA01, ISA03 and ISA05 will contain 01, 01 and 13 respectively. ISA02, ISA04 and ISA06 will contain the UCS communication ID, password and the telephone number for the receiver's modem.

SEGMENT EXAMPLE

I SA *00* * 00 * *ZZ * 9300100123458 * ZZ * 9313938000655
*901023*1025* U * 00200 * 000000089 * 0 * P *>

Segment GS
Functional group header

Level Group
Req Des Mandatory
Max Use 01
Loop

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	FUNCTIONAL ID	479	ID	2	2	M	Code identifying a group of application related transaction sets. SH (856) = Shipment header for an ASN
02	APPLICATION SENDER'S CODE	142	ID	2	12	M	Code Identifying party sending transmission. This is the supplier's EDI address (12 characters) A unique code to identify the sender. This is usually the same as the code used in ISA06. It could be used to define sub organisations, ie companies of a corporation, departments etc. The trading partners must agree on the codes.
03	APPLICATION RECEIVER'S CODE	124	ID	2	12	M	Code identifying party receiving transmission. This is usually the same as the code used in ISA08. It could be used to define sub organisations, ie companies or a corporation, departments etc. The trading partners must agree on the codes.
04	DATA INTERCHANGE DATE	29	DT	6	6	M	Date GE segment generated (YYMMDD). Date sender generated a functional group of transaction sets. The date the group was created in the sender's system; submit date.
05	DATA INTERCHANGE TIME	30	TM	4	4	M	(HHMM) expressed in 24 hour clock time when the sender generated. The time the group was created in the sender's system; submit time.
06	DATA INTERCHANGE CONTROL	28	N	1	9	M	Assigned number originated and maintained by the sender. The number assigned by the sender must be unique within each trading partner. The trading partner at the group level is defined by the application receiver code (GS03). The uniqueness must be maintained until such time that a functional acknowledgment is received for that group.

Segment GS
Functional group header cont'd

07	RESPONSIBLE AGENCY CODE	455	ID	1	2	M	Code used in conjunction with the version data element to identify the issuer of the standard. X Accredited Standards Committee X12.
08	VERSION	480	ID	1	12	M	The version code is used in conjunction with the Functional Identifier to specify an exact version of and EDI standard. Format of the version is ... *Position* *Content* 1-3 Major version number 4-6 Release level of version 7-12 Industry or trade assoc ID (optionally assigned by user) Version/release number is the Version and release of the transaction sets within the group. This is not the same as the version number in the ISA segment. 003020-ANSI X12 version 3, release2.

NOTE **The purpose of this segment is to indicate the beginning of a functional group and to provide control information.**

SEGMENT EXAMPLE

GS*SH*930010012345*931393800065856*970429*1656*304*X*003020

Segment ST
Transaction set header

Level	Header
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	TRANSACTION SET IDENTIFIER CODE	143	ID	3	3	M	Code uniquely identifying a transaction set. 856X12 Advance Ship Note The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition, for example, 810 selects the invoice transaction set.
02	TRANSACTION SET CONTROL NUMBER	329	AN	4	9	M	Generated by the Supplier. Identifying control number assigned by the originator for a transaction set. The number is sequentially assigned, by the sender, starting with one within each functional group. For each functional group the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

NOTE **The purpose of this segment is to indicate the start of a transaction set and to assign a control number.**

SEGMENT EXAMPLE

ST*856*0001

Segment SE
Transaction set trailer

Level Summary
Req Des Mandatory
Max Use 01
Loop

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF INCLUDED SEGMENTS	96	N	1	6	M	Generated by the supplier. Total number of segments included in a transaction set including ST and SE segments.
02	TRANSACTION SET CONTROL NUMBER	329	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. This must be the same number as in the ST segment (ST02) for the transaction set.

NOTES The purpose of this segment is to indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

SE is the last segment of each transaction set.

SEGMENT EXAMPLE

SE*3*0001

Segment GE
Group control trailer

Level	Group
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF TRANSACTION SETS	97	N	1	6	M	Generated by the supplier. Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element. The count of ST segments within the group.
02	GROUP CONTROL NUMBER	28	N	1	9	M	Generated by the Supplier. Assigned numbers originated and maintained by the sender. Must be the same number as in the GS segment (GS06) for the group.

NOTES **The purpose of this segment is to indicate the end of a functional group and to provide control information.**

The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximise functional group integrity. The control number is the same as that used in the corresponding header.

SEGMENT EXAMPLE

GE*5*952

Segment IEA
Interchange control trailer

Level Envelope
Req Des Mandatory
Max Use 01
Loop

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF INCLUDED GROUPS	116	N	1	5	M	Generated by the Supplier. A count of the number of functional groups included in a transmission. The count of GS segments within the transmission.
02	INTERCHANGE CONTROL NUMBER	112	N	9	9	M	Generated by the Supplier. This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender, receiver and all third parties be able to maintain an audit trail of interchange using this number. Must be the same number as in the ISA segment (ISA13) for the transmission.

NOTES **The purpose of this segment is to define the end of an interchange of one or more functional groups and interchange related control segments.**

The interchange control number in this trailer must match the value in the same data element in the corresponding interchange control header.

The value of the data element separator represented by <gs> and the data segment terminator represented by <tr> are set by the interchange control header ISA for this interchange.

SEGMENT EXAMPLE

IEA*1*000000789

ANSI X12
856 version 003020 segment table

This document describes the EDI mapping format for the Ship Note Manifest (ANSI 856). The document is based on the ANSI 3020 standard developed in North America. The document shows the segments (and their expected data content) that will be processed by Kmart.

Segments processed by Kmart

MANDATORY	=	Mandatory for the ANSI X12 standard
REQUIRED	=	Required by Kmart
OPTIONAL	=	Optional
CONDITIONAL	=	Required under certain conditions

ST	TRANSACTION SET HEADER	MANDATORY
BSN	BEGINNING SEGMENT FOR SHIP NOTE	MANDATORY
HL	**HIERARCHICAL LEVEL - SHIPMENT LEVEL DATA START**	MANDATORY
PO4	ITEM PHYSICAL DETAILS	CONDITIONAL
TD1	CARRIER DETAILS (QUANTITY AND WEIGHT)	REQUIRED
REF	REFERENCE NUMBERS	OPTIONAL
MAN	MARKS AND NUMBERS	CONDITIONAL
DTM	DATE/TIME REFERENCE	REQUIRED
FOB	F.O.B RELATED INSTRUCTIONS	CONDITIONAL
NI	NAME	REQUIRED
HL	**HIERARCHICAL LEVEL - ORDER LEVEL DATA START**	MANDATORY
PRF	PURCHASE ORDER REFERENCE	REQUIRED
TD1	CARRIER DETAILS (QUANTITY AND WEIGHT)	REQUIRED
TD5	CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)	REQUIRED
REF	REFERENCE NUMBERS	OPTIONAL
NI	NAME	REQUIRED
HL	**HIERARCHICAL LEVEL - TARE (PALLET) LEVEL DATA START**	OPTIONAL
TD1	CARRIER DETAILS (QUANTITY AND WEIGHT)	CONDITIONAL
MAN	MARKS AND NUMBERS	CONDITIONAL
HL	**HIERARCHICAL LEVEL - PACK (CARTON) LEVEL DATA START**	OPTIONAL
SLN	SUBLINE ITEM DETAILS	CONDITIONAL
PO4	ITEM PHYSICAL DETAILS	CONDITIONAL
MAN	MARKS AND NUMBERS	CONDITIONAL
HL	**HIERARCHICAL LEVEL - ITEM LEVEL DATA START**	MANDATORY
LIN	ITEM IDENTIFICATION	REQUIRED
SN1	ITEM DETAIL (SHIPMENT)	REQUIRED
PO4	ITEM PHYSICAL DETAILS	CONDITIONAL
TD5	CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)	REQUIRED
DTM	DATE/TIME REFERENCE	CONDITIONAL
CTT	TRANSACTION TOTALS	MANDATORY
SE	TRANSACTION SET TRAILER	MANDATORY

Segment ST
Transaction set header

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	TRANSACTION SET IDENTIFIER CODE	0143	ID	3	3	M	856 (X12.1 Ship Note Manifest)
02	TRANSACTION SET CONTROL NUMBER	0329	AN	4	9	M	Identifying control number assigned by originator for a transaction set

SEGMENT EXAMPLE

ST * 856 * 0001 856 indicates the transaction set. 0001 is the control number

Segment BSN
Beginning Segment for Ship Notice (document number and date)

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	TRANSACTION SET PURPOSE CODE	0353	ID	02	02	M	'00' Original '07' Dup
02	SHIPMENT IDENTIFICATION	0396	AN	02	30	M	Unique control number
03	DATE	0373	DT	06	06	M	YYMMDD Ship Note date
04	TIME	0337	TM	04	04	M	HHMMSS Ship Note time
05	HIERARCHICAL STRUCTURE CODE	1005	ID	04	04	O	'0001' Pick & Pack '0002' Standard Carton Pack (Future use only) Ommitted for No Pack (Future use only)

NOTES **BSN02 is a unique control number assigned by the supplier to identify the shipment. The BSN02 is generally referred to as the "ASN NUMBER " which will be referenced by Kmart in all payment related transactions (Recipient Created Tax Invoice & Remittance Advice). The ASN no. should be limited to no more than 10 characters as Kmart systems cannot handle a larger field size.**

The Advance Ship Note supports two distinct hierarchical packing structures. Use code 0001 in BSN05 for merchandise packed by store (picked and packed). The Advance Ship Note will have the structure ...

Shipment level
Order level
Tare Level
Pack (carton) level
Item level

Use code 0002 in BSN05 for merchandise in standard cartons (standard pack).
Please Note: This structure is not currently supported by Kmart.
The Advance Ship Note will have the structure:

Shipment level
Order level
Item level
Tare Level
Pack (carton) level

Where no packing levels are appropriate then omit the BSN05 element.
Please Note: This structure is not currently supported by Kmart.

SEGMENT EXAMPLE

BSN*00*12345*980713*111559*0001	00 indicates that this is the original transaction set. 12345 is the ship notice number 980713 is the transaction date 111559 is the transaction time 0001 indicates that the structure is Pick & Pack

Segment HL
Hierarchical level
(Shipment level data start)

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	HIERARCHICAL ID NUMBER	0628	AN	01	12	M	'1'
02	HIERARCHICAL PARENT ID NUMBER	0734	AN	0I	12	U	Not used
03	HIERARCHICAL LEVEL CODE	0735	ID	0I	02	M	'S'
04	HIERARCHICAL CHILD CODE	0736	ID	0I	0I	U	Not used

NOTES

The HL segment is used to identify levels of detail information using a hierarchical structure.

HL01 shall contain a unique number for each occurrence of the HL segment within the transaction set. The value assigned to the first HL segment will be 1, and is incremented by one for each subsequent HL segment within the transaction set.

HL02 identifies the hierarchical ID of the HL segment which it is subordinate to (child of).

HL02 will be omitted for the first HL segment of the transaction set, since it has no parent.

HL03 indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Pack, Tare and Item.

SEGMENT EXAMPLE

HL*1**S

1 indicates this is the first occurrence of the HL segment
S indicates that the hierarchical segment is Shipment

Segment PO4
Item Physical Details
(Shipment level)

Segment Usage—Conditional (Required when F.O.B is used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACK	0356	N0	01	06	U	Not used
02	SIZE	0367	R	01	08	U	Not used
03	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
04	PACKAGING CODE	0103	ID	05	05	U	Not used
05	WEIGHT QUALIFIER	0187	ID	01	02	U	Not used
06	GROSS WEIGHT PER PACK	0384	R	01	09	U	Not used
07	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
08	GROSS VOLUME PER PACK	0385	R	01	09	O	Numeric (value of gross volume)
09	UNIT OF MEASURE CODE	0355	ID	02	02	C	CR=Cubic meter
10	LENGTH	0082	R	01	08	U	Not used
11	WIDTH	0189	R	01	08	U	Not used
12	HEIGHT	0065	R	01	08	U	Not used
13	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used

NOTES **This segment, at the shipment level, is only used to specify the volume or cube of the entire shipment.**

SEGMENT EXAMPLE

P04 ********10*CR This shipment is for 10 Cubic Meters

Segment TD1
Carrier Details (Quantity and Weight) (Shipment level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACKAGING CODE	0103	ID	05	05	R	Refer to Notes for code list
02	LADING QUANTITY	0080	N0	0I	07	R	Number of packages in shipment
03	COMMODITY CODE QUALIFIER	0023	ID	0I	0I	U	Not used
04	COMMODITY CODE	0022	AN	0I	16	U	Not used
05	LADING DESCRIPTION	0079	AN	01	50	U	Not used
06	WEIGHT QUALIFIER	0187	ID	01	02	U	G = Gross
07	WEIGHT	0081	R	01	08	O	Numeric value of weight
08	UNIT OF MEASUREMENT CODE	0355	ID	02	02	C	KG = Kilogram

NOTES The following packaging code combinations are used by the retail industry.

BAG76, BAG79, CTN25, CTN31, CTN76, PLT01, PLT94, SLP25, UNT71

Part 1

BAG	Bag
CTN	Carton
PLT	Pallet
SLP	Slip sheet
UNT	Unit

Part 2

01	Aluminium
25	Corrugated or solid
31	Fibre
71	Not otherwise specified
76	Paper
79	Plastic
94	Wood

This segment can be sent more than once for mixed shipment containing bags and cartons.

SEGMENT EXAMPLE

TDl*CTN25*256 ****G*160*KG 256 Cartons are being shipped with a gross weight of 160kg

Segment REF
Reference Numbers
(Shipment level)

Segment Usage—Optional

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	REFERENCE NUMBER QUALIFIER	0128	ID	02	02	M	CN=Carrier's reference #
02	REFERENCE NUMBER	0127	AN	0I	30	R	Consignment note #
03	DESCRIPTION	0352	AN	0I	80	U	Not used

NOTE If available the consignment number can be included in this segment.

SEGMENT EXAMPLE

REF*CN*56789 Consignment Note Number 56789

Segment MAN
Marks and Numbers
(Shipment level)

Segment Usage—Conditional (Required when a shipment level SSCC is to be used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	MARKS AND NUMBERS QUALIFIER	0088	ID	01	02	M	GM=UCC 128 Serial shipping container code
02	MARKS AND NUMBERS	0087	AN	01	45	M	The twenty digit code

Notes

The Serial Shipping Container Code (SSCC) relates to the final destination. An SSCC at the Shipment level is appropriate where the shipment is to be received in its entirety.

Kmart has a limitation of 10,000 (ten thousand) outer units – be they pallets or cartons – or even containers.

SEGMENT EXAMPLE

MAN*GM*00393149361000015600 00393149361000015600 is the SSCC for the shipment

Segment DTM
Date/Time Reference
(Shipment level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	DATE/TIME QUALIFIER	0374	ID	03	03	M	'067' Current schedule delivery '068' Current schedule ship
02	DATE	0373	DT	06	06	R	YYMMDD
03	TIME	0337	TM	04	06	U	Not used
04	TIME CODE	0623	ID	02	02	U	Not used
05	CENTURY	0624	N0	02	02	U	Not used

NOTE Two DTM segments are required to specify the scheduled ship and delivery dates.

SEGMENT EXAMPLES

DTM*068*980727 Scheduled ship is 27th July 2010

DTM*067*980729 Scheduled delivery is 29th July 2010

Segment FOB
F.O.B Related Instructions
(Shipment level)

Segment Usage—Conditional (Required when FOB is to be used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	SHIPMENT METHOD OF PAYMENT	0146	ID	2	2	M	Future use
02	LOCATION QUALIFIER	0309	ID	1	2	C	Future use
03	DESCRIPTION	0352	AN	1	80	C	Future use
04	TRANSPORT TERMS QUALIFIER CODE	0334	ID	2	2	O	Future use
05	TRANSPORT TERMS CODE	0335	ID	3	3	C	Future use
06	LOCATION QUALIFIER	0309	ID	1	2	C	Future use
07	DESCRIPTION	0352	AN	1	80	O	Future use
08	RISK OF LOSS QUALIFIER	0054	ID	2	2	U	Not used
09	DESCRIPTION	0352	AN	1	80	U	Not used

NOTE Used to specify transport instruction relating to shipment, but not yet in use by Kmart.

Segment N1
Name
(Shipment level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
0I	ENTITY IDENTIFIER CODE	0098	ID	02	02	M	ST=Ship to location
02	NAME	0093	AN	0I	35	U	Not used
03	IDENTIFICATION CODE QUALIFIER	0066	ID	0I	02	U	'92' Assigned by buyer
04	IDENTIFICATION CODE	0067	AN	02	17	C	Ship to location ID

NOTE **N104 is the Kmart Store or distribution centre ID.**

Refer to the Kmart list of store addresses for the relevant ID number.

SEGMENT EXAMPLE

Nl*ST**92*9344 The buyer has assigned the ship to location to be 9344

Segment HL
Hierarchical level
(Order level data start)

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	HIERARCHICAL ID NUMBER	0628	AN	0I	12	M	Next number in the sequence from HL1 at the shipment level
02	HIERARCHICAL PARENT ID NUMBER	0734	AN	0I	12	O	1
03	HIERARCHICAL LEVEL CODE	0735	ID	0I	02	M	O=Order level
04	HIERARCHICAL CHILD CODE	0736	ID	0I	0I	U	Not used

SEGMENT EXAMPLE

HL*2*1*O

2 indicates this is the 2nd occurrence of the HL segment
1 indicates the hierarchical Parent Id ie. parent is Shipment
O indicates that the hierarchical segment is Order

Segment PRF
Purchase Order Reference
(Order level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PURCHASE ORDER NUMBER	0324	AN	01	22	M	PO number
02	RELEASE NUMBER	0328	AN	01	30	U	Release no from PO
03	CHANGE ORDER SEQUENCE NUMBER	0327	AN	01	08	U	Not used
04	PURCHASE ORDER DATE	0323	DT	06	06	O	YYMMDD PO date
05	ASSIGNED IDENTIFICATION	0350	AN	01	11	U	Not used
06	CONTRACT NUMBER	0367	AN	01	30	U	Not used

NOTE Use PRF01 to send the Kmart purchase order number.

The format of the number must be consistent with the format of the number sent in the purchase order. For example, if the order is sent with leading zeroes then it must be sent back with the same number of leading zeroes.

SEGMENT EXAMPLE

PRF*12345678***100712	The purchase order number is 12345678 The purchase order date is 12th July 2010
PRF*12345678*9344**100905	The purchase order number is 12345678 The PO release number is 9344 The purchase order date is 5th September 2010

Segment TD1
Carrier Details (Quantity and Weight) (Order level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACKAGING CODE	0103	ID	05	05	R	Refer to Notes for code list
02	LADING QUANTITY	0080	N0	0I	07	R	Number of packages in the order
03	COMMODITY CODE QUALIFIER	0023	ID	0I	0I	U	Not used
04	COMMODITY CODE	0022	AN	0I	16	U	Not used
05	LADING DESCRIPTION	0079	AN	01	50	U	Not used
06	WEIGHT QUALIFIER	0187	ID	01	02	O	G=Gross
07	WEIGHT	0081	R	01	08	C	Numeric value of weight
08	UNIT OF MEASUREMENT CODE	0355	ID	02	02	C	KG=Kilogram

NOTE This segment details the number of packages for the individual location.

The following packaging code combinations are used by the retail industry BAG76, BAG79, CTN25, CTN31, CTN76, PLT01, PLT94, SLP25, UNT71.

Part 1

BAG	Bag
CTN	Carton
PLT	Pallet
SLP	Slip sheet
UNT	Unit

Part 2

01	Aluminium
25	Corrugated or solid
31	Fibre
71	Not otherwise specified
76	Paper
79	Plastic
94	Wood

SEGMENT EXAMPLE

TDl*CTN25*20 This indicates that 20 cartons will be shipped for a location.

Segment TD5
Carrier Details (Routing Sequence/Transit Time) (Order level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ROUTING SEQUENCE CODE	0133	ID	1	2	U	Not used
02	IDENTIFICATION CODE QUALIFIER	0066	ID	1	2	U	Not used
03	IDENTIFICATION CODE	0067	AN	2	17	U	Not used
04	TRANSPORT METHOD CODE	0091	ID	1	2	U	Not used
05	ROUTING	0387	AN	1	35	U	Not used
06	SHIPMENT/ORDER STATUS	0368	ID	2	2	R	Refer Notes
07	LOCATION QUALIFIER	0309	ID	1	2	U	Not used
08	LOCATION IDENTIFIER	0310	AN	1	25	U	Not used
09	TRANSIT DIRECTION CODE	0731	ID	2	2	U	Not used
10	TRANSIT TIME DIRECTION QUALIFIER	0732	ID	2	2	U	Not used
11	TRANSIT TIME	0733	R	1	4	U	Not used

NOTES The following order status codes refer to the status of the order by location

CC Shipment Complete.
This shipment completes the order
A CC can only follow an SS or appear in the initial ASN

SS Split Shipment.
This shipment does not complete the order. The balance will come will come at a later time
An SS can only follow another SS or appear in the initial ASN

PR Partial Shipment.
This shipment does not complete the order. The balance will not come at a later time
A PR can only appear in the initial ASN

SEGMENT EXAMPLE TD5 ******CC Shipment complete for this order. For cross-docking this indicates that the shipment is complete for the store.

Segment REF
Reference Numbers
(Order level)

Segment Usage—Optional

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	REFERENCE NUMBER QUALIFIER	0128	ID	02	02	M	IV=Senders Invoice Number
02	REFERENCE NUMBER	0127	AN	01	30	R	Invoice Number
03	DESCRIPTION	0352	AN	0I	80	U	Not used

NOTE **There is no invoice to be sent by suppliers who are to be paid by the Evaluated Receipts System (ERS).**

SEGMENT EXAMPLE

REF*IV*987456 Invoice Number is 987456.

Segment N1
Name
(Order level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ENTITY IDENTIFIER CODE	0098	ID	02	02	M	BY=Buying location
02	NAME	0093	AN	01	35	C	Not used
03	IDENTIFIER CODE QUALIFIER	0066	ID	01	02	C	'92' Assigned by buyer
04	IDENTIFIER CODE	0067	AN	02	17	C	Kmart store number

NOTE Repeated in each order level loop.

SEGMENT EXAMPLE

Nl*BY**92*1001	This part of the order is for store 1001.

Segment HL
Hierarchical Level
(Tare level data start)

Segment Usage—Optional

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	HIERARCHICAL ID NUMBER	0628	AN	01	12	M	Next number in sequence
02	HIERARCHICAL PARENT ID NUMBER	0734	AN	01	12	O	Id number of the order level (HL01)
03	HIERARCHICAL LEVEL CODE	0735	ID	01	02	M	T=Tare
04	HIERARCHICAL CHILD CODE	0736	ID	01	01	U	Not used

SEGMENT EXAMPLE

HL*3*2*T

3 indicates this is the 3rd occurrence of the HL segment
2 indicates the hierarchical Parent Id ie.parent is Order
T indicates that the hierarchical segment is Tare

Segment TD1
Carrier Details (Quantity and Weight) (Tare level)

Segment Usage—Conditional (Required when the Tare Level is used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACKAGING CODE	0103	ID	05	05	R	Refer to Notes for code list
02	LADING QUANTITY	0080	N0	0I	07	R	Number of packs/cartons on the pallet
03	COMMODITY CODE QUALIFIER	0023	ID	0I	0I	U	Not used
04	COMMODITY CODE	0022	AN	0I	16	U	Not used
05	LADING DESCRIPTION	0079	AN	01	50	U	Not used
06	WEIGHT QUALIFIER	0187	ID	01	02	O	G=Gross
07	WEIGHT	0081	R	01	08	C	Numeric value of weight
08	UNIT OF MEASUREMENT CODE	0355	ID	02	02	C	KG=Kilogram

NOTES This segment details the number of packages within the pallet/tare.

The following packaging code combinations are used by the retail industry:

BAG76, BAG79, CTN25, CTN31, CTN76

Part 1

BAG	Bag
CTN	Carton

Part 2

25	Corrugated or solid
31	Fibre
76	Paper
79	Plastic

This segment can be sent more than once for mixed shipment containing bags and cartons.

SEGMENT EXAMPLE

TDl*CTN25*20	This pallet has 20 cartons

Segment MAN
Marks and Numbers
(Tare level)

Segment Usage—Conditional (Required when the Tare Level is used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	MARKS AND NUMBERS QUALIFIER	0088	ID	01	02	M	GM=UCC 128 Serial shipping container code
02	MARKS AND NUMBERS	0087	AN	01	45	M	The twenty digit code

Notes

The Serial Shipping Container Code (SSCC) relates to the final destination. An SSCC at the Tare/Pallet level is appropriate where the pallet is to remain as the handleable unit.

Kmart has a limitation of 10,000 (ten thousand) outer units – be they pallets or cartons.

SEGMENT EXAMPLE

MAN*GM*00393149361000015600	00393149361000015600 is the SSCC for the pallet

Segment HL
Hierarchical Level
(Pack level data start)

Segment Usage—Optional

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	HIERARCHICAL ID NUMBER	0628	AN	01	12	M	Next number in sequence
02	HIERARCHICAL PARENT ID NUMBER	0734	AN	01	12	O	ID number of the parent
03	HIERARCHICAL LEVEL CODE	0735	ID	01	02	M	P=Pack
04	HIERARCHICAL CHILD CODE	0736	ID	01	01	U	Not used

SEGMENT EXAMPLE

HL*4*3*P

4 indicates this is the 4th occurrence of the HL segment
3 indicates the hierarchical Parent Id eg. Item, Pallet or Order
P indicates that the hierarchical segment is Pack

Segment SLN
Subline Item Detail
(Pack level)

Segment Usage—Conditional (Only required in Standard Pack Structure when there are multiple components to an item)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ASSIGNED IDENTIFICATION	0350	AN	01	11	M	Id of subline item
02	ASSIGNED IDENTIFICATION	0350	AN	01	11	U	Not used
03	CONFIGURATION CODE	0661	ID	01	01	M	I=Include
04	QUANTITY	0380	R	01	10	M	Numeric quantity
05	UNIT OF MEASUREMENT CODE	0355	ID	02	02	M	EA=Each
06 – 08						U	Not used
09	PRODUCT/SERVICE ID QUALIFIER	0235	ID	02	02	C	Required if subline item has an EAN
10	PRODUCT/SERVICE ID	0234	AN	01	30	C	The subline items EAN
11 – 28						U	Not used

NOTE **Use this segment to specify product subline detail item data. This is appropriate when there are multiple components to an item e.g. a lamp may have the base and shade in different cartons**.

SEGMENT EXAMPLE

SLN*1**I*1*EA****EN*9398500088135

1 is the ID number of the SLN segment;
I indicates that this is included in the set identified in the previous LIN segment;
1 is the quantity of the item in the set e.g. stereo set;
EA is the ID qualifier that indicates that the quantity is measured in eaches;
9398500088135 is the EAN of the subline item e.g. amplifier

Segment PO4
Item Physical Details
(Pack level)

Segment Usage—Conditional (Required when there are multiple components to an item)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACK	0356	N0	01	06	O	Number of inner packs per outer pack
02	SIZE	0357	R	01	08	M	Number of SKU's within the inner pack, or the number of SKU's in the pack if there are no inner packs used.
03	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
04	PACKAGING CODE	0103	ID	05	05	U	Not used
05	WEIGHT QUALIFIER	0187	ID	01	02	U	Not used
06	GROSS WEIGHT PER PACK	0384	R	01	09	U	Not used
07	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
08	GROSS VOLUME PER PACK	0385	R	01	09	U	Not used
09	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
10	LENGTH	0082	R	01	08	U	Not used
11	WIDTH	0189	R	01	08	U	Not used
12	HEIGHT	0065	R	01	08	U	Not used
13	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used

NOTE **This segment, at the pack level, is used to specify the pack size for a standard carton pack when there are multiple components to an item e.g. a lamp may have the base and shade in different cartons**.

SEGMENT EXAMPLE

P04 **4 There are 4 items (e.g. lamp shades) in the pack.

Segment MAN
Marks and Numbers
(Pack level)

Segment Usage—Conditional (Required if Pack Level is used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	MARKS AND NUMBERS QUALIFIER	0088	ID	01	02	M	GM=UCC 128 Serial shipping container code (SSCC)
02	MARKS AND NUMBERS	0087	AN	01	45	M	SSCC

NOTES **The SSCC is used to identify the carton. The SSCC is required where the carton is the handleable unit**.

Kmart has a limitation of 10,000 (ten thousand) outer units – be they pallets or cartons.

SEGMENT EXAMPLE

MAN*GM*00393149361000015662 00393149361000015662 is the SSCC for this pack.

Segment HL
Hierarchical Level
(Item level data start)

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	HIERARCHICAL ID NUMBER	0628	AN	01	12	M	Next number in sequence
02	HIERARCHICAL PARENT ID NUMBER	0734	AN	01	12	O	ID number of parent level ie. Order, Tare or Pack
03	HIERARCHICAL LEVEL CODE	0735	ID	01	02	M	I=Item level
04	HIERARCHICAL CHILD CODE	0736	ID	01	01	U	Not used

SEGMENT EXAMPLE

HL*6*5*I	6 indicates this is the 6th occurrence of the HL segment 5 indicates the hierarchical Parent Id eg. Pack I indicates that the hierarchical segment is Item

Segment LIN
Item Identification
(Item level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ASSIGNED IDENTIFICATION	0350	AN	01	11	U	Not used
02	PRODUCT/SERVICE ID QUALIFIER	0235	ID	02	02	M	EN=European Article Number
03	PRODUCT/SERVICE ID NUMBER	0234	AN	01	30	M	EAN
04–31						U	Not used

NOTE **Include the EAN of the product being shipped in this segment as per the purchase order.**

SEGMENT EXAMPLE

LIN**EN*9398500041021 93985000410211 is the EAN for the Item

Segment SN1
Item Detail (Shipment)
(Item level)

Segment Usage—Required

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ASSIGNED IDENTIFICATION	0350	AN	01	11	U	Not used
02	NUMBER OF UNITS SHIPPED	0382	R	01	10	M	Qty shipped for item in LIN
03	UNIT OF MEASUREMENT CODE	0355	ID	02	02	M	EA=Each CA=Case ST=Set KG=Kilogram MR=Meter PL=Pallet
04	QUANTITY SHIPPED TO DATE	0646	R	01	09	U	Not used
05	QUANTITY ORDERED	0330	R	01	09	U	Not used
06	UNIT OF MEASUREMENT CODE	0355	ID	02	02	U	Not used
07	RETURNABLE CONTAINER LOAD MAKE-UP CODE	0728	ID	01	02	U	Not used
08	LINE ITEM STATUS CODE	0668	ID	02	02	U	Not used

NOTE **Use this segment to specify the quantities associated with the item identified in the preceding LIN segment.**

SEGMENT EXAMPLE

SN1**10*EA	There are 10 units (eaches) of the item
SN1*10.5*KG	The item weighs 10.5 Kg (eg. Boxed beef)
SN1*22.5*MR	The item is 22.5 meters long (eg. Curtain Material)

Segment PO4
Item Physical Details
(Item level)

Segment Usage—Conditional (Required where Homogenous Cartons are used – See Business example 2)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	PACK	0356	N0	01	06	U	Number of inner packs per outer pack
02	SIZE	0357	R	01	08	M	Number of SKU's within the inner pack, or the number of SKU's in the pack if there are no inner packs used
03	UNIT OF MEASURE CODE	0355	ID	02	02	M	Not used
04	PACKAGING CODE	0103	ID	05	05	U	Not used
05	WEIGHT QUALIFIER	0187	ID	01	02	U	Not used
06	GROSS WEIGHT PER PACK	0384	R	01	09	U	Not used
07	UNIT OF MEASURE CODE	0355	ID	02	02	U	Not used
08	GROSS VOLUME PER PACK	0385	R	01	09	U	Not used
09	UNIT OF MEASURE CODE	0355	ID	02	02		Not used
10	LENGTH	0082	R	01	08		Not used
11	WIDTH	0189	R	01	08		Not used
12	HEIGHT	0065	R	01	08		Not used
13	UNIT OF MEASURE CODE	0355	ID	02	02		Not used

NOTE This segment, at the item level, is used to specify the pack size for a homogenous carton.

SEGMENT EXAMPLE

P04 *2*6	There are two inner packs in the carton. Each inner pack has six items.

Segment TD5
Carrier Details (Routing Sequence/Transit Time) (Item level)

Segment Usage—Conditional (Required when Standard Pack Structure is used)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	ROUTING SEQUENCE CODE	0133	ID	1	2	U	Not used
02	IDENTIFICATION CODE QUALIFIER	0066	ID	1	2	U	Not used
03	IDENTIFICATION CODE	0067	AN	2	17	U	Not used
04	TRANSPORT METHOD CODE	0091	ID	1	2	U	Not used
05	ROUTING	0387	AN	1	35	U	Not used
06	SHIPPING/ORDER STATUS	0368	ID	2	2	R	Refer Notes
07	LOCATION QUALIFIER	0309	ID	1	2	U	Not used
08	LOCATION IDENTIFIER	0310	AN	1	25	U	Not used
09	TRANSIT DIRECTION CODE	0731	ID	2	2	U	Not used
10	TRANSIT TIME DIRECTION QUALIFIER	0732	ID	2	2	U	Not used
11	TRANSIT TIME	0733	R	1	4	U	Not used

NOTES The following order status codes refer to the status of the order by location.

CC Shipment Complete.
This shipment completes the order
A CC can only follow an SS or appear in the initial ASN

SS Split Shipment.
This shipment does not complete the order. The balance will come will come at a later time
An SS can only follow another SS or appear in the initial ASN

PR Partial Shipment.
This shipment does not complete the order. The balance will not come at a later time
A PR can only appear in the initial ASN

SEGMENT EXAMPLE TD5 ******CC Shipment complete for this item. For cross-docking this indicates that the shipment is complete for this item for the store.

Segment DTM
Date/time reference
(Item level)

Segment Usage—Conditional (Required where use-by-dates and back order dates are applicable)

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	DATE/TIME QUALIFIER	0374	ID	3	3	M	'036' = Expiration '017' = Estimated Delivery
02	DATE	0373	DT	6	6	C	YYMMDD
03–05						U	Not used

NOTE **This segment is used to advise the use by date for perishable products and the estimated delivery date for a back order.**

SEGMENT EXAMPLE

DTM*036*100701 The use by date is the 1st July 2010.

Segment CTT
Transaction totals

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF LINE ITEMS	0354	N0	01	06	M	The number of HL segments
02	HASH TOTAL	0347	R	01	10	U	Not used
03	WEIGHT	0081	R	01	08	U	Not used
04	UNIT OF MEASUREMENT CODE	0355	ID	02	02	U	Not used
05	VOLUME	0183	R	01	08	U	Not used
06	UNIT OF MEASUREMENT CODE	0355	ID	02	02	U	Not used
07	DESCRIPTION	0352	AN	01	80	U	Not used

SEGMENT EXAMPLE

CTT*6	6 indicates the number of HL segments included in the transaction set.

Segment SE
Transaction set trailer

Segment Usage—Mandatory

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF INCLUDED SEGMENTS	0096	NO	1	6	M	Total number of segments in transaction
02	TRANSACTION SET CONTROL NUMBER	0329	AN	4	9	M	Identifying control number assigned by originator

NOTE The transaction set control number must be the same number as in the ST segment.

SEGMENT EXAMPLE

SE*50*0001	50 Segments within the transaction set: 0001 is the transaction set control number.

VICS 997 functional acknowledgment

Functional group ID = FA
This standard provides the format and establishes the date contents of a functional transaction set. The purpose of this standard is to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

SEG ID	NAME	REQ DES	MAX USE	LOOP REPEAT	
ST	TRANSACTION SET HEADER	M	1		USE
AK1	FUNCTIONAL GROUP RESPONSE HEADER	M	1		USE
AK2	TRANSACTION SET RESPONSE HEADER	O	1	AK2/999999	NOT USED
AK3	DATA SEGMENT NOTE	O	1	AK3/999999	NOT USED
AK4	DATA SEGMENT NOTE	O	99		NOT USED
AK5	TRANSACTION SET RESPONSE HEADER	M	1		NOT USED
AK9	FUNCTIONAL GROUP RESPONSE HEADER	M	1		USE
SE	TRANSACTION SET HEADER	M	1		USE

Segment ST
Transaction set header

Level	Header
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	TRANSACTION SET IDENTIFIER CODE	143	ID	3	3	M	Code uniquely identifying a transaction set. 997 X12.20 functional acknowledgment.
02	TRANSACTION SET CONTROL NUMBER	329	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. The number is sequentially assigned, by the sender, starting with one within each functional group. For each functional group the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

NOTES **The purpose of this segment is to indicate the start of a transaction set and to assign a control number**.

The transaction set identifier (ST01 is intended for use by the translation routine of the interchange partners to select the appropriate transaction set definition, for example, 856 selects the Advance Ship Note, 997 selects the Functional Acknowledgement.

Segment AK1
Functional group response

Level	Header
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	FUNCTIONAL IDENTIFIER CODE	479	ID	2	2	M	Code identifying a group of application related transaction sets. This is the functional group ID of the group that is being acknowledged, for example, if an Advance Ship Note is being acknowledged the value would be SH; it is the value sent in GS01 for the original transmission.
02	GROUP CONTROL NUMBER	28	N	1	9	M	Assigned number originated and maintained by the sender. This is the control number assigned to the group being acknowledged, for example, this is the control number assigned by the sender of the original transmission. Its value is the value sent in GS06 for the original transmission. The data interchange control number found in the GS segment in the functional group being acknowledged.

NOTES The purpose of this segment is to start acknowledgment of a functional group.

Segment AK9
Functional group response

Level	Header
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	FUNCTIONAL GROUP ACKNOWLEDGE CODE	715	ID	1	1	M	Code indicating accept or reject condition based on the syntax editing of the functional group. A=Accepted. E=Accepted, but errors were noted. P=Partially accepted, at least one transaction set was rejected. R=Rejected.
02	NUMBER OF TRANSACTION SETS INCLUDED	97	N	1	6	M	Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.
03	NUMBER OF RECEIVED TRANSACTION SETS	123	N	1	6	M	Number of transaction sets received.
04	NUMBER OF ACCEPTED TRANSACTION SETS	2	N	1	6	M	Number of accepted transaction sets in a functional group.
05	FUNCTIONAL GROUP SYNTAX ERROR CODE	716	ID	1	3	O	Code indicating error found based on the syntax editing of the functional group header and/or trailer. 1=Functional group not supported. 2=Functional group version not supported. 3=Functional group trailer missing. 4=Data interchange control number in the functional group header and trailer do not agree. 5=Number of included transaction sets does not match actual count.
06	FUNCTIONAL GROUP SYNTAX ERROR CODE	716	ID	1	3	O	
07	FUNCTIONAL GROUP SYNTAX ERROR CODE	716	ID	1	3	O	

Segment AK9
Functional group response cont'd

08	FUNCTIONAL GROUP SYNTAX ERROR CODE	716	ID	1	3	O
09	FUNCTIONAL GROUP SYNTAX ERROR CODE	716	ID	1	3	O

NOTES **The purpose of this segment is to acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group.**

If AK901 is 'A' or 'E' then the transmitted functional group is accepted. If AK901 is 'R', then the transmitted group is rejected.

The code values listed for AK905 will be the same for all occurrences of data element 716.

Segment SE
Transaction set trailer

Level	Summary
Req Des	Mandatory
Max Use	01
Loop	

FLD #	ELEMENT NAME	DICT NUM	TYPE	MIN LEN	MAX LEN	REQ	CODES & COMMENTS
01	NUMBER OF INCLUDED SEGMENTS	96	N	1	6	M	Total number of segments included in a transaction set including ST and SE segments.
02	TRANSACTION SET CONTROL NUMBER	329	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. This must be the same number as in the ST Segment (ST02) for the transaction set.

NOTES The purpose of this segment is to indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

E is the last segment of each transaction set.