

Message Implementation Guideline

THE ICONIC

Despatch Advice Message **DESADV**

(Based on the EANCOM 2002 Guideline using UN/EDIFACT Directory D.01B)

Version 1.9

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SPS COMMERCE

INFINITE RETAIL POWER™

Document Change Control

Document Version	Released	By SPS Commerce	Changes
V1.0	February 2016	Asad Enait	Draft Release
V1.1	March 2016	Asad Enait	Added THE ICONIC GLN
V 1.2	April 2016	Asad Enait	Made TDT segment mandatory
V 1.3	February 2017	Asad Enait	Added notes pertaining to delivery date.
V 1.4	March 2018	Asad Enait	Changed the maximum lengths for fields Bill of lading number, Carrier's reference number, Order number, supplier/ vendor number and Vendor Part Number.
V 1.5	October 2020	Asad Enait	Changed the definition and requirement for Schedule Delivery date (DTM C507 2005 = 67). Removed the code for pallet and container from package type, PAC C202 7065.
V 1.6	March 2022	Mimoza Piruze	Pages 8, 17-18: DESADV message must be sent to Iconic at least 48 hours prior to goods arriving at the DC.
V 1.7	April 2022	Mimoza Piruze	Pages 8, 28-29: pallet SSCC label is <u>not</u> supported; all cartons must have SSCC label.
V 1.8	January 2023	Mimoza Piruze	BGM segment, added 'Message Function Code' 5 (DE 1225 = 5)
V 1.9	March 2023	Mimoza Piruze	ALI segment removed; no split shipments allowed by THE ICONIC

Purpose of this Implementation Guide

The purpose of this guide is to provide suppliers with the necessary information to enable the implementation of transmission of electronic Despatch Advice message (DESADV or ASN) to THE ICONIC.

Who should use this Guide

This guide is intended for use by THE ICONIC suppliers to prepare for the implementation of Electronic Data Interchange (EDI) and to assist with applications integration, thereby ensuring successful electronic trading.

EDIFACT Specifications

1 UN/EDIFACT Specifications

1.1 Definition of UN/EDIFACT

UN/EDIFACT: United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport. They comprise a set of internationally agreed standards, directories and guidelines for the electronic interchange of structured data, and in particular that related to trade in goods and services, between independent computerized information systems - EDI systems.

1.2 UN/EDIFACT Syntax

The UN/EDIFACT syntax rules set the standards for structuring data into segments, segments into messages, and messages into an interchange.

1.2.1 Structure of an Interchange

An interchange may consist of the following segments:

Segment ID	Segment Name	Status
UNA	Service String Advice	Conditional
UNB	Interchange Header	Mandatory
UNG	Functional Group Header	Conditional
UNH	Message Header	Mandatory
	User Data Segments	
UNT	Message Trailer	Mandatory
UNE	Functional Group Trailer	Conditional
UNZ	Interchange Trailer	Mandatory

Segments starting with "UN" are called service segments. They constitute the envelope or the "packing" of the EDIFACT messages. User data segments contain the information itself, in a format specific to each message type.

1.2.2 Structure of a Message

Each data segment has a specific place within the sequence of segments in the message. They may occur in any of the following three sections of the message:

- **Heading section** - A segment occurring in this section relates to the entire message.
- **Detail section** - A segment occurring in this section relates to the detail information only.
- **Summary section** - Only segments containing totals or control information may occur in the summary section, e.g. invoice total amount, number of lines in a purchase order, etc.

The same segment type may occur in more than one of the message sections, e.g. in the header and in the detail section, and/or more than once in the same section.

Some segments may be repeated a certain number of times at their specific location in the message. The status, Mandatory or Conditional, and the maximum number of repetitions of segment types are indicated in the message structure.

Within a message, specific groups of functionally related segments may be repeated; these groups are referred to as "segment groups". The maximum number of repetitions of a particular segment group at a specific location is included in the message definition.

A segment group may be nested within other segment groups, provided that the inner segment group terminates before any outer segment group terminates.

1.2.3 Segment Structure

A segment consists of:

- A segment tag: identifies the segment type
- Data element separators
- Simple, composite, or component data elements
- A segment terminator

Data elements can be defined as having a fixed or variable length.

A composite data element contains two or more component data elements.

A component data element is a simple data element used in a composite data element.

A data element can be qualified by another data element, the value of which is expressed as a code that gives specific meaning to the data. The data value of a qualifier is a code taken from an agreed set of code values.

1.2.4 Separators

In EANCOM four service characters (extracted from UNOA) have a special meaning and act as the default separators for EANCOM;

	ASCII	HEX	
Apostrophe	'	27	Segment terminator
Decimal Point	.	2E	Decimal Point
Plus sign	+	2B	Segment tag and data element separator
Colon	:	3A	Component data element separator
Question mark	?	3F	Release character; immediately preceding one of the service characters, it restores their normal meaning. E.g. 10?+10=20 means 10+10=20. Question mark is represented by ??

1.3 UN/EDIFACT Documentation Conventions

1.3.1 Format and Picture of Data Elements

The following conventions apply in the present documentation:

A	alphabetic characters
N	numeric characters
An	alpha-numeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length
an3	3 alpha-numeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alpha-numeric characters

The format and picture of the data elements that will be used by THE ICONIC in the following EDI documents comply with the UN/EDIFACT Standards.

1.3.2 Status indicators

There are five types of status used in the following pages, whether for simple, component or composite data elements. They are listed below and can be identified when relevant by the abbreviations.

M	Specified within the Standards as Mandatory, used as a trigger element.
Must Use	Required by THE ICONIC for specific implementation or business rules
D	Dependent on a mutual agreement between the sender and receiver of the message, governed by Business rules and / or a special arrangement, i.e. Primary Freight, etc.
O	Data that can be omitted based on an agreement between the sender and receiver.
Not Used	Segment/data elements defined as optional by standard specification and are not required for this Implementation. Data elements or composite elements not used preceding those indicated otherwise are shown for additional clarity. Unused trailing elements will not be shown in this document.

1.3.3 Interchange Structure

The interchange structure in an EDIFACT transmission is organized in several grouping levels. The service segments are the envelope of the groups.

The first service segment possible in an interchange is the 'UNA' segment which is used to define the separators being used in the interchange. The second service segment, 'UNB', indicates the beginning of the interchange. The next one, 'UNG', indicates the beginning of a group of messages of the same type, for example invoices. The last service segment, 'UNH', indicates the beginning of a given message. To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

Service string advice:	UNA
Interchange envelope:	UNB UNZ
Group envelope:	UNG UNE
Message envelope:	UNH UNT

Segment UNA is dependent on the character set being used. THE ICONIC interchanges will include the UNA segment, as the UN/EDIFACT character set (C) will be used.

Segments UNG..UNE are Conditional/Optional. These segments will not be sent as standard in this MIG.

1.3.4 Interchange Control Structure (Envelope)

Introduction:

The Service String Advice, UNA, and the service segments UNB to UNZ shall appear in the below stated order in an interchange. There may be several functional groups or messages within an interchange and several messages in a functional group. A message consists of segments.

Pos.	Seg.		Base	User	Group	Notes and
No.	ID	Name	Status	Status	Max.Use	Repeat Comments
0000	UNA	Service String Advice	O	O	1	
0010	UNB	Interchange Header	M	M	1	
0020	UNH	Message Header	M	M	1	
0030	UNT	Message Trailer	M	M	1	
0040	UNZ	Interchange Trailer	M	M	1	

Despatch Advice Message Business Rules

This section describes how the Despatch Advice messages (DESADV documents) are to be used in trading electronically with THE ICONIC.

As confirmation of shipment content and information for visibility and receiving automation, suppliers are required to provide a Despatch Advice message for all electronically created orders. One Despatch Advice must be sent per Purchase Order in a shipment. If multiple orders are included in a physical shipment, one Despatch Advice must be sent for each Purchase Order, with the tracking numbers repeating.

Suppliers are expected to pack and label as requested in the Purchase Order / Purchase Order Replacement and transmit Despatch Advice messages, representing the contents of the shipment.

THE ICONIC requires the transmission of Despatch Advice messages from suppliers at least 48 hours prior to the delivery of goods at the DC and the invoice after the delivery of goods as standard best practice.

Suppliers must send one Despatch Advice messages per Purchase Order per delivery and a Despatch Advice message should only refer to one Purchase Order / Purchase Order Replacement.

DESADV Document Structure

This message implementation guide enables a hierarchical description of the shipment, starting with the highest level (shipment) and ending with the lowest level (items).

The shipment model supported is:

- SOPI (Shipment, Order, Pack/Carton, Item – used for loose cartons) format. In this format, the supplier indicated the Despatch Advice message contains the SSCC code (GS1 Shipping label) at Carton level.

If shipping by pallet, suppliers must attach SSCC label on each carton placed on the pallet.

GS1 Label Requirements – THE ICONIC will be automating the receiving process within their facilities through the scanning of the GS1-128 Barcode within the Shipping Label against the Despatch Advice. Suppliers are required to provide shipping label on all cartons within the shipment. Label placement must follow THE ICONIC vendor compliance requirements and the SSCC carton ID represented in the GS1-UCC128 barcode number must be correctly provided in the supplier's Despatch Advice message.

Notes:

1. For THE ICONIC implementation, the 'Delivery date, current schedule' transmitted in the DESADV (DTM DE C507.2380 when DE C507.2005 = 67) is the exact date when the goods will arrive at THE ICONIC Warehouse. The 'Delivery Date' should always be on a business day (Monday to Friday). If the 'Delivery date, current schedule' indicated in the DESADV falls on a Saturday or a Sunday (time zone UTC+10) or on a Public Holiday in NSW, Australia outlined at: <https://www.nsw.gov.au/about-nsw/nsw-public-holidays>, DESADV message will be rejected and an automated email notification will be sent to the Supplier. Supplier is required to update the 'Delivery date, current schedule' not to fall on a weekend or NSW Public Holiday and resend the DESADV message to THE ICONIC.
2. THE ICONIC should receive the DESADV message at least 48 hours prior to the delivery of goods at the Warehouse. At THE ICONIC the bookings are based on the 'Delivery Date' triggered on the DESADV, therefore the 'Delivery Date' is crucial for THE ICONIC Warehouse Team to plan the daily resources accordingly. If Supplier's DESADV document is not received by THE ICONIC at least 48 hours prior to the delivery of goods, when arrived at the Warehouse, the goods may not be accepted by THE ICONIC.

DESADV Despatch Advice Message

Introduction:

This specification provides the definition of the Despatch Advice message (DESADV) to be used in Electronic Data Interchange (EDI) between trading partners involved in administration, commerce and transport.

Notes:

This Message Implementation Guide (MIG) is based on the EANCOM® 2002 Australian Retail Industry Implementation Guidelines for the Invoice Message derived from the international UN/EDIFACT directory D.01B.

Dependency Notes:

1) All Despatch advice messages received from participating Suppliers will be acknowledged with a CONTRL syntax and service report to confirm the receipt of the Interchange.

Heading Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use		UNA	Service String Advice	C	1		
M	0005	UNB	Interchange Header	M	1		
M	0010	UNH	Message header	M	1		
M	0020	BGM	Beginning of message	M	1		
M	0030	DTM	Date/time/period	M	3		
Must Use	0080		Segment Group 1: RFF-DTM	C		3	
M	0090	RFF	Reference	M	1		
O	0100	DTM	Date/time/period	C	1		
Must Use	0110		Segment Group 2: NAD	C		3	
M	0120	NAD	Name and address	M	1		
Must Use	0240		Segment Group 6: TDT	C		1	
M	0250	TDT	Details of transport	M	1		

Detail Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use	0390		Segment Group 10: CPS-SG11-SG17	C		9999	
M	0400	CPS	Consignment packing sequence	M	1		
Must Use	0430		Segment Group 11: PAC-MEA-SG13	C		1	
M	0440	PAC	Package	M	1		
O	0450	MEA	Measurements	C	5		
D	0500		Segment Group 13: PCI-SG15	C		1	
M	0510	PCI	Package identification	M	1		
Must Use	0570		Segment Group 15: GIN	C		1	
M	0580	GIN	Goods identity number	M	1		

Must Use	0650		Segment Group 17: LIN-PIA-IMD-MEA-QTY	C	9999
M	0660	LIN	Line item	M	1
D	0670	PIA	Additional product id	C	2
O	0680	IMD	Item description	C	1
O	0690	MEA	Measurements	C	2
Must Use	0700	QTY	Quantity	C	1

Summary Section:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use	1140	CNT	Control total	C	1		
M	1150	UNT	Message trailer	M	1		
M	2290	UNZ	Interchange Trailer	M	1		

UNA Service String Advice

Position:

Group:

Level:

Usage:

Max Use:

Purpose:

0

Mandatory

1

To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows. The specifications in the Service string advice take precedence over the specifications for delimiter etc. in UNB segment. When transmitted, the Service string advice must appear immediately before the Interchange Header (UNB) segment and begin with the upper case characters UNA immediately followed by the six characters selected by the sender to indicate, in the following sequence: *UNA:+.?'*

Notes:

Example:

UNA:+.?'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>		<u>Attributes</u>
M	0010		COMPONENT DATA ELEMENT SEPARATOR Composite element delimiter : Colon	M	an..1
M	0020		DATA ELEMENT SEPARATOR Data element delimiter + Plus sign	M	an..1
M	0030		DECIMAL NOTATION The character transferred in this position shall be ignored by the recipient. Retained to maintain upward compatibility with earlier versions of the syntax. . Full stop / Period	M	an..1
M	0040		RELEASE INDICATOR Release indicator is used to signify that the following texts contain one of the characters used as composite, data or segment delimiter, hence release its usage convention for that instance. ? Question mark	M	an..1
M	0050		RESERVED FOR FUTURE USE Not used. White space (blank)	M	an..1
M	0060		SEGMENT TERMINATOR Used to delimit the end of the current segment and start a new segment. ' Apostrophe	M	an..1

Segment:	UNB Interchange Header
Position:	0005
Group:	
Level:	0
Usage:	Mandatory
Max Use:	1
Purpose:	To start, identify and specify an interchange
Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	<p>All messages implemented based on EANCOM® 2002 will use syntax level C, version 3 as indicated in DE 0001 and DE 0002 as UNOC:3.</p> <p>This supports all characters defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1</p> <p>Example:</p> <p>UNB+UNOC:3+SUPPLIER_GLN:14+9377779346556:14+160203:1005+73920001++++1'</p> <p>UNB+UNOC:3+SUPPLIER_GLN:14+TST1THEICONIC:ZZZ+160203:1005+73920001++++1'</p>

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	S001		SYNTAX IDENTIFIER	M 1
			Identification of the agency controlling the syntax and indication of syntax level.	
M		0001	Syntax identifier	M a4
			Coded identification of the agency controlling a syntax and syntax level used in an interchange.	
		UNOC	UN/ECE level C	
			As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.	
M		0002	Syntax version number	M n1
			Version number of the syntax identified in the syntax identifier (0001).	
		3	Version 3	
			ISO 9735 Amendment 1:1992.	
M	S002		INTERCHANGE SENDER	M 1
			Identification of the sender of the interchange.	
M		0004	Sender identification	M an..35
			Name or coded representation of the sender of a data interchange.	
Must Use		0007	Partner identification code qualifier	C an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners.	
		14	EAN International	
			Partner identification code assigned by European Article Numbering Association.	
		ZZZ	Mutually defined	
			Mutually defined between trading partners.	
Not Used		0008	Address for reverse routing	C an..14
M	S003		INTERCHANGE RECIPIENT	M 1
			Identification of the recipient of the interchange.	
M		0010	Recipient identification	M an..35
			Name or coded representation of the recipient of a data interchange.	
			THE ICONIC will use the following addresses:	

		Production EDI Identifier	9377779346556
		Testing & Certification EDI Identifier	TST1THEICONIC
Must Use	0007	Partner identification code qualifier	C an..4
		Qualifier referring to the source of codes for the identifiers of interchanging partners.	
		14	EAN International Partner identification code assigned by European Article Numbering Association. THE ICONIC code qualifier used for Production
		ZZZ	Mutually defined THE ICONIC code qualifier used for Testing & Certification
Not Used	0014	Routing address	C 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.	
M	S004	DATE AND TIME OF PREPARATION	M 1
		Date and time of preparation of the interchange.	
M	0017	Date of preparation	M n6
		Local date when an interchange or a functional group was prepared. Date in YYMMDD format, i.e. March 7th, 2016 is presented as 160307	
M	0019	Time of preparation	M n4
		Local time of day when an interchange or a functional group was prepared. Time in 24 hour-clock format i.e. 3:30 PM is presented as 1530	
M	0020	INTERCHANGE CONTROL REFERENCE	M 1 an..14
		Unique reference assigned by the sender to an interchange. This data element is specified as alphanumeric and, for all Iconic implementations, only numbers are accepted as interchange control. The value presented here must match with the value presented in DE 0020 in segment UNZ.	
Not Used	S005	RECIPIENTS REFERENCE PASSWORD	C 1
		Reference or password as agreed between the communicating partners.	
Not Used	0022	Recipient reference/password	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.	
Not Used	0025	Recipient reference/password qualifier	C an2
		Qualifier for the recipient's reference or password.	
Not Used	0026	APPLICATION REFERENCE	C 1 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.	
Not Used	0029	PROCESSING PRIORITY CODE	C 1 a1
		Code determined by the sender requesting processing priority for the interchange. Refer to D.01B Data Element Dictionary for acceptable code values.	
D	0031	ACKNOWLEDGEMENT REQUEST	C 1 n1
		Code determined by the sender for acknowledgement of the interchange. Used to indicate if the sender requires an acknowledgement of the message receipt by the receiving party via a CONTRL message. If not specified, the CONTRL message will not be returned to the sender.	
		1	Requested Acknowledgement is requested.
Not Used	0032	COMMUNICATIONS AGREEMENT ID	C 1 an..35
		Identification by name or code of the type of agreement under which the interchange takes place.	
Not Used	0035	TEST INDICATOR	C 1 n1
		Indication that the interchange is a test.	

Segment: UNH Message header
Position: 0010
Group:
Level: 0
Usage: Must Use
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.
 Note: Despatch advice messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 DESADV 0052 D 0054 01B
 0051 UN

Dependency Notes:
 Semantic Notes:
 Comments:
 Notes:

Despatch Advice Heading Section
 This segment is used to head, identify and specify a message.
 DE's 0065, 0052, 0054, and 0051: Indicate that the message is a UNSM Despatch Advice message based on the D.01B directory under the control of the United Nations.

 Example:
 UNH+ME000001+DESADV:D:01B:UN:EAN007'

Data Element Summary				
	Data Element	Component Element	Name	Attributes
M	0062		MESSAGE REFERENCE NUMBER	M an..14
			Unique message reference assigned by the sender.	
			Sequence number of the message in the interchange generated by sender. DE 0062 in the UNH segment will be exactly the same as in the UNT segment.	
M	S009		MESSAGE IDENTIFIER	M
			Identification of the type, version etc. of the message being interchanged.	
M		0065	Message type	M an..6
			Code identifying a type of message and assigned by its controlling agency.	
		DESADV	Despatch advice message	
			A code to identify the despatch advice message.	
			EAN Description:	
			A message specifying details for goods despatched or ready for despatch under agreed conditions. The United Nations Despatch Advice Message serves both as a specification for Delivery Despatch Advice and also as a Returns Despatch Advice message.	
M		0052	Message version number	M an..3
			Version number of a message type.	
		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).	
M		0054	Message release number	M an..3
			Release number within the current message type version number (0052).	
		01B	Release 2001 - B	

Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).

M	0051	Controlling agency	M an..2
		Code to identify the agency controlling the specification, maintenance and publication of the message type.	
		UN UN/CEFACT	
		United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).	
Must Use	0057	Association assigned code	C an..6
		A code assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	
		EAN007 EAN version control number (EAN Code)	

Segment: **BGM** Beginning of message
Position: 0020
Group:
Level: 0
Usage: Must Use
Max Use: 1
Purpose: A segment for unique identification of the Despatch Advice document, by means of its name and its number.

Dependency Notes:

Semantic Notes:

Notes:

This segment is used to indicate the type and function of the message and to transmit the identifying number. All references other than the document number DE C106.1004 are to be placed in the RFF segment.

Example:

BGM+351+DES587441+9'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C002		DOCUMENT/MESSAGE NAME Identification of a type of document/message by code or name. Code preferred.	C
Must Use		1001	Document name code Code specifying the document name. 351 Despatch advice Document/message by means of which the seller or consignor informs the consignee about the despatch of goods.	C an..3
Not Used		1131	Code list identification code	C an..17
Not Used		3055	Code list responsible agency code	C an..3
Not Used		1000	Document name Name of a document.	C an..35
Must Use	C106		DOCUMENT/MESSAGE IDENTIFICATION Identification of a document/message by its number and eventually its version or revision.	C
Must Use		1004	Document identifier To identify a document. Despatch Advice number assigned by the document sender. Format: Alphanumeric Minimum length: 2 Maximum length: 30	C an..35
Not Used		1056	Version identifier	C an..9
Not Used		1060	Revision identifier	C an..6
Must Use	1225		MESSAGE FUNCTION CODE Code indicating the function of the message. 5 Replace Message replacing a previous message. A replacement of a previous Despatch Advice message with the same Despatch Advice number. 9 Original Initial transmission related to a given transaction. An original transmission of a Despatch Advice message.	C an..3
Not Used	4343		RESPONSE TYPE CODE	C an..3

Segment: **DTM** Date/time/period
Position: 0030
Group:
Level: 1
Usage: Must Use
Max Use: 3
Purpose: Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

Semantic Notes:

Notes:

This segment is used to specify the date of the Despatch Advice or any dates related to the delivery of goods.

DE C507.2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in EANCOM message.

Examples:

Date when the goods are despatched, 23rd March 2022
DTM+11:20220323:102'

Despatch Advice message created on 23rd March 2022
DTM+137:20220323:102'

Goods will arrive at THE ICONIC Warehouse on Monday 28th March 2022
DTM+67:20220328:102'

Notes:

Delivery date specified in the DTM segment with DE C507.2005 = 67 is the exact date when the goods will arrive at THE ICONIC Warehouse.

1. Delivery date must fall on a weekday (Monday to Friday).
 - If the delivery date falls on a Saturday or a Sunday (time zone UTC+10) or on a Public Holiday in NSW, Australia (refer to: <https://www.nsw.gov.au/about-nsw/nsw-public-holidays>), DESADV message will be rejected and an automated email notification will be sent to the Supplier. Supplier is required to update the delivery date not to fall on a weekend or NSW Public Holiday and resend the DESADV message to THE ICONIC.
2. Delivery date must be at least 48 hours after DESADV document creation date specified in the DTM segment with DE C507.2005 = 137
 - If the Supplier's DESADV document is not received by THE ICONIC at least 48 hours prior to the delivery of goods, the goods may not be accepted by THE ICONIC when arrived at the Warehouse.

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		DATE/TIME/PERIOD	M
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	Date or time or period function code qualifier	M an..3
			Code qualifying the function of a date, time or period.	
		11	Despatch date and/or time (2170) Date/time on which the goods are or are expected to be despatched or shipped. Required: date when the goods are despatched.	
		67	Delivery date/time, current schedule Required: date scheduled for the goods to arrive.	

	137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. Required: Despatch Advice message creation date.
Must Use	2380	Date or time or period value C an..35 The value of a date, a date and time, a time or of a period in a specified representation. When DE C507.2005 = 11: despatch date When DE C507.2005 = 67: date stated is the exact date when the goods will arrive at THE ICONIC Warehouse. Delivery date must be a weekday (Monday to Friday) and <u>not</u> a Public Holiday in NSW. Delivery date must be at least 2 business days (48 hours) after the DESADV creation date (date indicated in DTM DE C507.2005 = 137). When DE C507.2005 = 137: Document/DESADV creation date DESADV document must be created and send to THE ICONIC at least 2 business days (48 hours) prior to goods arriving at the Warehouse.
Must Use	2379	Date or time or period format code C an..3 Code specifying the representation of a date, time or period. 102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

Group: **RFF** Segment Group 1: Reference

Position: 0080

Group:

Level: 1

Usage: Conditional (Required)

Max Use: 3

Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

Notes: This Segment Group is used to specify references which relate to the whole Despatch Advice message which includes order number, Carrier's reference number or Bill of Lading number.

THE ICONIC requires the original Purchase Order and either Bill of Lading number or Carrier's reference number (Consignment note number) provided in the Despatch Advice message.

Purchase Order number is required as shown in the original Purchase Order.

Examples:

RFF+ON:PO0319333'
RFF+CN:4122500052884'

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0090	RFF	Reference	M	1	
O	0100	DTM	Date/time/period	C	1	

Segment: **RFF** Reference
Position: 0090 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Dependency Notes:

Semantic Notes:

Comments:

Notes: For examples, see explanatory notes in RFF Segment Group 1 (SG1).

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M
M		1153	Reference code qualifier Code qualifying a reference. BM Bill of lading number Reference number assigned to a bill of lading Conditional: either Bill of Lading number or Carrier's reference number (Consignment note number) must be provided CN Carrier's reference number Reference number assigned by carrier to a consignment i.e. Consignment note number Conditional: either Bill of Lading number or Carrier's reference number (Consignment note number) must be provided ON Order number (buyer) Reference number assigned by the buyer to an order. Required: A valid Purchase Order Number as shown in the original purchase order sent from THE ICONIC.	M an..3
Must Use		1154	Reference identifier Identifies a reference. Required: Provide reference number as qualified in DE 1153 Format (DE 1153 = BM and ON): Alphanumeric Minimum length: 1 Maximum length: 20 Format (DE 1153 = CN): Alphanumeric Minimum length: 1 Maximum length: 30	C an..70
Not Used		1156	Document line identifier To identify a line of a document.	C an..6
Not Used		4000	Reference version identifier To identify the version of a reference.	C an..35
Not Used		1060	Revision identifier To identify a revision.	C an..6

Segment: **DTM** Date/time/period
Position: 0100
Group: Segment Group 1 (Reference) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: Date/time/period from the referred document.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to specify dates relating to the references given in the previous RFF segment.

Example:

DTM+171:20160205:102'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C507		DATE/TIME/PERIOD	M
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	Date or time or period function code qualifier	M an..3
			Code qualifying the function of a date, time or period.	
		171	Reference date/time	
			Date/time on which the reference was issued.	
Must Use		2380	Date or time or period value	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
			Order Date	
			Optional when RFF DE C506.1153 = 'ON'	
Must Use		2379	Date or time or period format code	C an..3
			Code specifying the representation of a date, time or period.	
		102	CCYYMMDD	
			Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Group:	NAD	Segment Group 2: Name and address
Position:	0110	
Group:		
Level:	1	
Usage:	Conditional (Required)	
Max Use:	3	
Purpose:	A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.	
Notes:	<p>This segment group is used to provide information identifying the parties involved including the buyer, supplier and the ship to location, assigned by THE ICONIC in the original purchase order message.</p> <p>Locations and buying contact details provided in the purchase order message will remain the same as long as the purchase order remains active.</p> <p>The delivery address given in NAD at header level is the main delivery address for all line items.</p> <p>Examples:</p> <p>THE ICONIC as a Buyer: NAD+BY+9377779346556::9++THE ICONIC+CNR COMWAY & CARRINGTON STREETS+LISMORE+NSW+2480'</p> <p>Supplier: NAD+SU+01999246::92++SUPPLIER PTY LTD+PO BOX 999+CAROLE PARK+QLD+4300'</p> <p>Ship to location: NAD+ST+001::92++THE ICONIC Warehouse+147-151 Newton Road+WETHERILL PARK+NSW+2164'</p>	

Segment Summary						
	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0120	NAD	Name and address	M	1	

Segment: **NAD** **Name and address**

Position: 0120 (Trigger Segment)

Group: Segment Group 2 (Name and address) Conditional (Required)

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment. It is recommended that where possible, only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

Dependency Notes:

Semantic Notes:

Comments:

Notes: For examples, see explanatory notes in NAD Segment Group 2 (SG2).

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party.	M an..3
		BY	Buyer Party to whom merchandise and/or service is sold. Required: indicates the buyer responsible for this order	
		ST	Ship to Identification of the party to where goods will be or have been shipped. Required: Ship To location code	
		SU	Supplier Party who supplies goods and/or services. Required: indicates the supplier responsible for this order	
M	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	M
M		3039	Party identifier Code specifying the identity of a party. When DE 3035 = BY: THE ICONIC Buyer ID Format: EAN13 Minimum length: 13 Maximum length: 13 When DE 3035 = ST: THE ICONIC Assigned ship to location number Format: Alphanumeric When DE 3035 = SU: THE ICONIC Assigned supplier number Format: Alphanumeric Maximum length: 20	M an..13
Not Used		1131	Code list identification code	C an..17
Must Use		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
		9	EAN (International Article Numbering association) EAN International, based in Belgium, is an organization of EAN Member Organizations that jointly manages the EAN.UCC System with the Uniform Code Council.	

			Conditional: used only if data provided in DE 3039 is in GLN format.
		92	Assigned by buyer or buyer's agent
			Codes assigned by a buyer or buyer's agent.
			Conditional: used only if data provided in DE 3039 is a non-GLN code.
Not Used	C058	NAME AND ADDRESS	O
O	C080	PARTY NAME	O
		Identification of a transaction party by name, one to five lines. Party name may be formatted.	
M	3036	Party name	M an..35
		Name of a party.	
		Used to complement code presented in DE 3039, according to qualifier DE 3035. This includes:	
		- THE ICONIC buying office name (DE 3035 = BY)	
		- THE ICONIC DC name (DE 3035 = ST)	
		- The Supplier name (DE 3035 = SU)	
D	3036	Party name	C an..35
		Name of a party.	
Not Used	3036	Party name	C an..35
Not Used	3036	Party name	C an..35
Not Used	3036	Party name	C an..35
Not Used	3045	Party name format code	C an..3
O	C059	STREET	O
		Street address and/or PO Box number in a structured address: one to four lines.	
M	3042	Street and number or post office box identifier	M an..35
		To identify a street and number and/or Post Office box number.	
		Street address (line 1) of the party identified, where applicable.	
D	3042	Street and number or post office box identifier	C an..35
		To identify a street and number and/or Post Office box number.	
D	3042	Street and number or post office box identifier	C an..35
		To identify a street and number and/or Post Office box number.	
D	3042	Street and number or post office box identifier	C an..35
		To identify a street and number and/or Post Office box number.	
O	3164	CITY NAME	O an..35
		Name of a city.	
		City or suburb of the location of the party identified.	
O	C819	COUNTRY SUB-ENTITY DETAILS	O
		To specify a part of a country (eg county or part of a city).	
O	3229	Country sub-entity name code	C an..9
		Code specifying the name of a country sub-entity.	
Not Used	1131	Code list identification code	C an..17
Not Used	3055	Code list responsible agency code	C an..3
Not Used	3228	Country sub-entity name	C an..70
		State code of the location of the party identified, such as NSW, VIC, etc.	
O	3251	POSTAL IDENTIFICATION CODE	O an..17
		Postal code of the location of the party identified.	
O	3207	COUNTRY NAME CODE	O an..3
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.	
		Country code represented as a two-letter code (alpha-2) or three-letter code (alpha-3) .	

Group: **TDT** Segment Group 6: Details of transport
Position: 0240
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments specifying details of the mode, means and method of transport and date/time of departure and destination relevant to the whole despatch advice.
Notes: A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0250	TDT	Details of transport	M	1	

Segment: **TDT** Details of transport
Position: 0250 (Trigger Segment)
Group: Segment Group 6 (Details of transport) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to specify transport services used in the despatch advice.

Example:

TDT+20++++:::MY CARRIER'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>		
M	8051		TRANSPORT STAGE CODE QUALIFIER	M	1	an..3
			Code qualifying a specific stage of transport.			
		20	Main-carriage transport			
			The primary stage in the movement of cargo from the point of origin to the intended destination.			
Not Used	8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	1	an..17
			To identify a journey of a means of transport.			
Not Used	C220		MODE OF TRANSPORT	C	1	
			Method of transport code or name. Code preferred.			
Not Used	C228		TRANSPORT MEANS	C	1	
			Code and/or name identifying the type of means of transport.			
Must Use	C040		CARRIER	C	1	
			Identification of a carrier by code and/or by name. Code preferred.			
Not Used		3127	Carrier identifier	C		an..17
			To identify a carrier.			
Not Used		1131	Code list identification code	C		an..17
			Code identifying a user or association maintained code list.			
Not Used		3055	Code list responsible agency code	C		an..3
			Code specifying the agency responsible for a code list.			
Must Use		3128	Carrier name	C		an..35
			Name of a carrier.			
			Format: Alphanumeric			
			Maximum length: 35			
Not Used	8101		TRANSIT DIRECTION INDICATOR CODE	C	1	an..3
			Code specifying the direction of transport.			
Not Used	C401		EXCESS TRANSPORTATION INFORMATION	C	1	
			To provide details of reason for, and responsibility for, use of transportation other than normally utilized.			
Not Used	C222		TRANSPORT IDENTIFICATION	C	1	
			Code and/or name identifying the means of transport.			
Not Used	8281		TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	1	an..3
			Code indicating the ownership of a means of transport.			

Group: **CPS** **Segment Group 10: Consignment packing sequence**
Position: 0390
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.
Notes: This segment group provides information relating to the packing configuration within the current consignment.

This implementation requires SSCC at carton level

The following packing sequence illustrates how the CPS Segment Group (SG10) is used to provide details relating to a hierarchy of packing sequence.

CPS Level 1 (DE 7075 =1E)
- Shipment or parent level

PAC
- Total number of cartons (packages) in the shipment

CPS Level 3 (DE 7075 = 3); repeats for each outer pack (carton)
- Carton (outer package) level

PAC
- Fixed as 1 for to indicate carton in following GIN segment

MEA
- Weight, volume or dimensions

GIN
- SSCC on a carton

LIN - PIA – IMD - MEA - QTY
- Product item reference
- Total quantity despatched

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0400	CPS	Consignment packing sequence	M	1	
Must Use	0430		Segment Group 11: Package	C		1
D	0650		Segment Group 17: Line item	C		9999

Segment: **CPS** Consignment packing sequence

Position: 0400 (Trigger Segment)

Group: Segment Group 10 (Consignment packing sequence) Conditional (Required)

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment identifying the sequence in which packing of the consignment occurs,

Dependency Notes:

Notes: This segment is used to identify the sequence in which packing of the consignment occurs.

Examples:

Shipment Level

CPS+1++1E'

Carton - Outer pack

CPS+2+1+3'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7164		HIERARCHICAL STRUCTURE LEVEL IDENTIFIER To identify a level within a hierarchical structure. Sequential numbering Format: Numeric Minimum length: 1 Maximum length: 3	M an..35
D	7166		HIERARCHICAL STRUCTURE PARENT IDENTIFIER To identify the next higher level in a hierarchical structure. Format: Numeric Minimum length: 1 Maximum length: 3	C an..35
Must Use	7075		PACKAGING LEVEL CODE Code specifying a level of packaging. 3 Outer For packed merchandise, outermost level of packaging for a shipment. Required for each carton (outer pack) 1E Highest (EAN Code) Level of packaging, if it exists, which is highest in the packaging hierarchy. Must be used once to explicitly identify that the CPS group is for the total shipment level.	M an..3

Group: **PAC** **Segment Group 11: Package**
Position: 0430
Group: Segment Group 10 (Consignment packing sequence) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

Notes: This segment group provides information relating to the packing configuration within the current consignment packing sequence (CPS). Different packing sequence presents different contextual meaning to the packing information listed below.

For example, in CPS level 1 (DE 7075 = 1E), the PAC SG11 includes the count of cartons in the entire shipment.

Segment Summary

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0440	PAC	Package	M	1	
O	0450	MEA	Measurements	C	5	
D	0500		Segment Group 13: Package identification	C		1

Segment: **PAC Package**
Position: 0440 (Trigger Segment)
Group: Segment Group 11 (Package) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment can be used to identify the total number of packages per hierarchical level identified in the CPS segment, in a shipment. The contents of each package is subsequently described in the following LIN segment.

Example:

Shipment Level - shipment contains 44 cartons
PAC+44++CT'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	7224		PACKAGE QUANTITY To specify the number of packages. Total number of packages included for this pack types, according to the packing sequence	C 1 n..8
Not Used	C531		PACKAGING DETAILS Packaging level and details, terms and conditions.	C 1
Must Use	C202		PACKAGE TYPE Type of package by name or by code from a specified source.	C 1
Must Use		7065	Package type description code Code specifying the type of package. CT Carton A cardboard box or container	C an..17
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
Not Used		7064	Type of packages Description of the form in which goods are presented.	C an..35
Not Used	C402		PACKAGE TYPE IDENTIFICATION Identification of the form in which goods are described. Description of the form in which goods are presented.	C 1
Not Used	C532		RETURNABLE PACKAGE DETAILS Indication of responsibility for payment and load contents of returnable packages.	C 1

Segment: **MEA** **Measurements**
Position: 0450
Group: Segment Group 11 (Package) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to provide measurements relevant to the packaging unit and level described in the PAC segment.

Example:

MEA+PD+ABJ+MTQ:1.2500'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. EGW Estimated gross weight (EAN Code) Estimated weight (mass) of goods, including packing. PD Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package. This code is used for Height, Width, Length and Volume	M an..3
Must Use	C502		MEASUREMENT DETAILS Identification of measurement type.	C
Must Use		6313	Measured attribute code Code specifying the attribute measured. AAB Unit gross weight Weight (mass) of goods including packing but excluding the carrier's equipment. Optional: carton's weight ABJ Volume The amount of air space taken up by the entity identified in the 6311 qualifier. Optional: carton's volume HT Height dimension Numeric value of height. LN Length dimension (6168) Length of pieces or packages stated for transport purposes. WD Width dimension Numeric value of width.	C an..3
Not Used		6321	Measurement significance code	C an..3
Not Used		6155	Non-discrete measurement name code	C an..17
Not Used		6154	Non-discrete measurement name	C an..70
Must Use	C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C
M		6411	Measurement unit code	M an..3

		Code specifying the unit of measurement.	
		CMT	centimeter
		Required when DE C502.6313 = HT, LN or WD	
		KGM	kilogram
		Required when DE C502.6313 = AAB	
		MTQ	cubic meter
		Required when DE C502.6313 = ABJ	
Must Use	6314	Measurement value	C an..18
		To specify the value of a measurement.	
		When DE C502.6313 = HT, LN or WD (height, length, width):	
		Format: Numeric, 2 decimal places	
		Maximum length: 18	
		When DE C502.6313 = AAB (weight):	
		Numeric, 2 decimal places	
		Maximum length: 18	
		When DE C502.6313 = ABJ (volume):	
		Format: Numeric, 4 decimal places	
		Maximum length: 18	
Not Used	6162	Range minimum value	C n..18
Not Used	6152	Range maximum value	C n..18
Not Used	6432	Significant digits quantity	C n..2
Not Used	7383	SURFACE OR LAYER CODE	C an..3

Group: **PCI** **Segment Group 13: Package identification**
Position: 0500
Group: Segment Group 11 (Package) Conditional (Required)
Level: 3
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments specifying markings, labels, and packing numbers.
Notes: Segment Group 13 must be used for providing carton SSCC

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0510	PCI	Package identification	M	1	
Must Use	0570		Segment Group 15: Goods identity number	C		1

Segment: **PCI** **Package identification**
Position: 0510 (Trigger Segment)
Group: Segment Group 13 (Package identification) Conditional (Dependent)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying markings and/or labels used on individual physical units (packages) described in the PAC segment.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to provide markings and labels information relevant to the packaging unit and level identified in the PAC segment.

Example:

PCI+33E'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	4233		MARKING INSTRUCTIONS CODE	C 1 an..3
			Code specifying instructions for marking.	
		33E	Marked with serial shipping container code (GS1 Code)	
			Indication that the serial shipping container code has been marked on a package.	
Not Used	C210		MARKS & LABELS	C 1
			Shipping marks on packages in free text; one to ten lines.	
Not Used	8275		CONTAINER OR PACKAGE CONTENTS INDICATOR CODE	C 1 an..3
			Code indicating the contents of container or package.	
Not Used	C827		TYPE OF MARKING	C 1
			Specification of the type of marking that reflects the method that was used and the conventions adhered to for marking (e.g. of packages).	

Group: **GIN** **Segment Group 15: Goods identity number**
Position: 0570
Group: Segment Group 13 (Package identification) Conditional (Dependent)
Level: 4
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.
Notes: This segment group provides information related to the marking requirements specified for different delivery scenarios. Identifiers may include the SSCC and/or GTIN of the products included in the delivery.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0580	GIN	Goods identity number	M	1	

Segment: **GIN** Goods identity number
Position: 0580 (Trigger Segment)
Group: Segment Group 15 (Goods identity number) Conditional (Required)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing the identity numbers of packages being despatched.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to provide identification numbers relevant to the packaging unit and level identified in the PAC segment.

Example:

GIN+BJ+354123450000000014'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	7405		OBJECT IDENTIFICATION CODE QUALIFIER Code qualifying the identification of an object. BJ Serial shipping container code EAN Description: A single unique serial number which identifies shipping containers or shipping packages.	M an..3
M	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	M 1
M		7402	Object identifier Code specifying the unique identity of an object. Numeric representation of GS1 18 Barcodes (20 digits with Application Identifier included) Format: Numeric Minimum length: 18 Maximum length: 20	M an..35
Not Used		7402	Object identifier Code specifying the unique identity of an object.	C an..35
Not Used	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C 1
Not Used	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C 1
Not Used	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C 1
Not Used	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C 1

Group:	LIN Segment Group 17: Line item
Position:	0650
Group:	Segment Group 10 (Consignment packing sequence) Conditional (Required)
Level:	2
Usage:	Conditional (Dependent)
Max Use:	9999
Purpose:	A group of segments providing details of the individual despatched items.
Notes:	<p>This segment group provides information relating to the products included in the delivery according to the packing configuration within the current consignment packing sequence.</p> <p>The detail section is formed by a repeating group of segments, always starting with a LIN segment.</p> <p>Buyer's item number (DE C212.7140 when DE C212.7143 = IN) is mandatory for product without GTIN.</p> <p>Examples:</p> <p>LIN+1++0886952779856:SRV' QTY+12:10:EA' LIN+2++4059813738125:SRV' QTY+12:5:EA'</p>

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0660	LIN	Line item	M	1	
D	0670	PIA	Additional product id	C	3	
O	0680	IMD	Item description	C	1	
O	0690	MEA	Measurements	C	2	
Must Use	0700	QTY	Quantity	C	1	

Segment: **LIN** Line item
Position: 0660 (Trigger Segment)
Group: Segment Group 17 (Line item) Conditional (Dependent)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the product being despatched.
 All other segments in the detail section following the LIN segment refer to that line item.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

Examples:

LIN+1++5412345123453:SRV'

product with GTIN

LIN+1'

product without GTIN

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	1082		LINE ITEM IDENTIFIER To identify a line item.	C 1 an..6
			Application generated sequential line number. The line number must be unique within the current message.	
Not Used	1229		ACTION REQUEST/NOTIFICATION DESCRIPTION CODE Code specifying the action to be taken or already taken.	C 1 an..3
D	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C 1
Must Use		7140	Item identifier To identify an item.	C an..35
			The Global Trade Item Number (GTIN-8, GTIN-12, GTIN-13, GTIN-14) of the product despatched. Format: Numeric Minimum length: 8 Maximum length: 14	
Must Use		7143	Item type identification code Coded identification of an item type.	C an..3
			SRV EAN.UCC Global Trade Item Number A unique number, up to 14-digits, assigned according to the numbering structure of the EAN.UCC system. 'EAN' stands for the 'International Article Numbering Association', and 'UCC' for the 'Uniform Code Council'.	
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
Not Used	C829		SUB-LINE INFORMATION To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.	C 1
Not Used	1222		CONFIGURATION LEVEL NUMBER To specify a level within a configuration.	C 1 n..2
Not Used	7083		CONFIGURATION OPERATION CODE Code specifying the configuration operation.	C 1 an..3

Segment:	PIA Additional product id
Position:	0670
Group:	Segment Group 17 (Line item) Conditional (Dependent)
Level:	3
Usage:	Conditional (Dependent)
Max Use:	3
Purpose:	A segment providing additional product identification.
Dependency Notes:	
Semantic Notes:	
Notes:	<p>PIA segment is used to provide additional identification such as a buyer's, or supplier's item number.</p> <p>Buyer's item number (DE C212.7140 when DE C212.7143 = IN) must be provided for product without GTIN.</p> <p>Example:</p> <p>Main product identification is the Buyer's item number PIA+5+CO073AA05UCK-927411:IN'</p>

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT IDENTIFIER CODE QUALIFIER Code qualifying the product identifier.	M an..3
		1	Additional identification Information which specifies and qualifies product identifications.	
		5	Used to provide an additional product identification Product identification The item number is for product identification. Used to provide a primary product identification when DE C212.7143 = IN <u>and</u> no GTIN provided in the preceding LIN segment.	
M	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
Must Use		7140	Item identifier To identify an item. Conditional: THE ICONIC product code when DE C212.7143 = IN: Format: Alphanumeric Maximum length: 20 Optional: Supplier's product code when DE C212.7143 = SA: Format: Alphanumeric Maximum length: 20	C an..35
Must Use		7143	Item type identification code Coded identification of an item type. IN Buyer's item number The item number has been allocated by the buyer. Conditional: THE ICONIC item number, required if product GTIN is not provided in the LIN segment. SA Supplier's article number Number assigned to an article by the supplier of that article. Optional: supplier's assigned product code.	C an..3
Not Used		1131	Code list identification code	C an..17

Not Used		3055	Code identifying a user or association maintained code list. Code list responsible agency code	C	an..3
Not Used	C212		Code specifying the agency responsible for a code list. ITEM NUMBER IDENTIFICATION	C	1
Not Used	C212		Goods identification for a specified source. ITEM NUMBER IDENTIFICATION	C	1
Not Used	C212		Goods identification for a specified source. ITEM NUMBER IDENTIFICATION	C	1
Not Used	C212		Goods identification for a specified source. ITEM NUMBER IDENTIFICATION	C	1
Not Used	C212		Goods identification for a specified source. ITEM NUMBER IDENTIFICATION	C	1

Segment: **IMD** Item description
Position: 0680
Group: Segment Group 17 (Line item) Conditional (Dependent)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment for describing the product being despatched. This segment should be used for products that cannot be identified by a product code or article number.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment is used to describe the current line item.

Example:

IMD+F++:::BEAUTIFUL FLORAL SKIRT'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	7077		DESCRIPTION FORMAT CODE Code specifying the format of a description. F Free-form Description of an item in free form text.	C 1 an..3
Not Used	C272		ITEM CHARACTERISTIC To provide the characteristic of the item being described.	C 1
Must Use	C273		ITEM DESCRIPTION Description of an item.	C 1
Not Used		7009	Item description code Code specifying an item.	C an..17
Not Used		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
Not Used		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
Must Use		7008	Item description Free form description of an item. Free form description of product despatched.	C an..256
D		7008	Item description Free form description of an item.	C an..256
Not Used		3453	Language name code Code specifying the language name.	C an..3
Not Used	7383		SURFACE OR LAYER CODE Code specifying the surface or layer of an object.	C 1 an..3

Segment: **MEA** **Measurements**
Position: 0690
Group: Segment Group 17 (Line item) Conditional (Dependent)
Level: 3
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment specifying physical measurements of the despatched item in original or unpacked form.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment must be used in conjunction with the LIN segment to provide an additional item identification such as colour and size.

Examples:

MEA+X5E++ZZ:Red'

MEA+X6E++ZZ:8'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. X5E Colour (EAN Code) The colour of an object. X6E Size (EAN Code) Dimensions or magnitude of an object. Size identification of an item	M an..3
Not Used	C502		MEASUREMENT DETAILS	C
Must Use	C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C
M		6411	Measurement unit code Code specifying the unit of measurement. ZZ Mutually defined	M an..3
Must Use		6314	Measurement value To specify the value of a measurement. Product colour when DE 6311 = X5E Product size when DE 6311 = X6E	C an..18
Not Used		6162	Range minimum value	C n..18
Not Used		6152	Range maximum value	C n..18
Not Used		6432	Significant digits quantity	C n..2
Not Used	7383		SURFACE OR LAYER CODE	C an..3

Segment: **QTY** Quantity
Position: 0700
Group: Segment Group 17 (Line item) Conditional (Dependent)
Level: 3
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to give quantity information concerning the product.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

This segment is used to specify the quantity of the product identified in the LIN segment, which is about to be, or, has been despatched.

Example:
 QTY+12:40:EA'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
M		6063	Quantity type code qualifier Code qualifying the type of quantity. 12 Despatch quantity Quantity despatched by the seller.	M an..3
M		6060	Quantity Alphanumeric representation of a quantity. Format: Numeric Maximum length: 10	M an..35
Must Use		6411	Measurement unit code Code specifying the unit of measurement. EA each	C an..3

Segment: **CNT** Control total
Position: 1140
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment by which control totals may be provided by sender for checking by the receiver.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

This segment shows the total count of line items in this shipment.

Example:

Total count of 3 product items identified in the shipment.
CNT+2:3'

Data Element Summary

Data Element Summary				
	Data Element	Component Element	Name	Attributes
M	C270		CONTROL	M
			Control total for checking integrity of a message or part of a message.	
M		6069	Control total type code qualifier	M an..3
			Code qualifying the type of control of hash total.	
		2	Number of line items in message	
			Total number of line items in the message.	
			Total count of LIN segments in the shipment.	
M		6066	Control total value	M n..18
			To specify the value of a control quantity.	
			Format: Numeric	
			Maximum length: 4	
Not Used		6411	Measurement unit code	C an..3

Segment: **UNT** Message trailer
Position: 1150
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

Example:

There are 41 segments within the UNH-UNT loop inclusively.
 UNT+41+1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0074		NUMBER OF SEGMENTS IN THE MESSAGE	M n..6
			Control count of number of segments in a message.	
			Total number of segments in the message including UNH and UNT.	
M	0062		MESSAGE REFERENCE NUMBER	M an..14
			Unique message reference assigned by the sender.	
			Sequence number of the message in the interchange. DE 0062 in the UNT segment must be exactly the same as in the UNH segment.	

Segment: **UNZ** Interchange Trailer
Position: 2290
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange
Dependency Notes:
Semantic Notes:
Comments:
Notes:

Example:

UNZ+1+73920001'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>		<u>Attributes</u>
M	0036		INTERCHANGE CONTROL COUNT	M	1 n..6
			Count either of the number of messages or, if used, of the number of functional groups in an interchange.		
			Total count of UNH/UNT segment loop repeats.		
M	0020		INTERCHANGE CONTROL REFERENCE	M	1 an..14
			Unique reference assigned by the sender to an interchange.		
			The value presented here must match with the value presented in DE 0020 in segment UNB.		

Example Despatch Advice Message:

UNA:+.? '
UNB+UNOC:3+SUPPLIER_GLN:14+9377779346556:14+160205:1030+184656++++1'
UNH+184656+DESADV:D:01B:UN:EAN007'
BGM+351+98238515+9'
DTM+137:201506010945:203'
DTM+11:20150601:102'
DTM+67:20150603:102'
RFF+ON:83442884'
RFF+BM:98238515'
RFF+CN:AS35724'
NAD+BY+9377779346556::9'
NAD+SU+1201715::92++MARY CARR:KATHY SMITH++SPRINGFIELD+NEW YORK+43756+US'
NAD+ST+62100001::92++THE ICONIC SYDNEY DC+147-151 Newton Road:Building 2+WETHERILL
PARK+NSW+2164'

CPS+1++1E'
PAC+4++CT'

CPS+2+1+3'
PAC+1++CT'
MEA+EGW+AAB+KGM:13.704'
MEA+PD+ABJ+MTQ:0.02380'
PCI+33E'
GIN+BJ+00393311680069435133'
LIN+1++9781444907957:SRV'
PIA+1+LM6835:IN'
PIA+1+2894278:SA'
IMD+F++:::CITY OF FLOWER TOP'
MEA+X5E++ZZ:Blue'
MEA+X6E++ZZ:8'
QTY+12:3:EA'

CPS+3+1+3'
PAC+1++CT'
MEA+EGW+AAB+KGM:13.704'
MEA+PD+ABJ+MTQ:0.0238'
PCI+33E'
GIN+BJ+00393311680069435140'
LIN+2++6438158718586:SRV'
PIA+1+LM6830:IN'
PIA+1+2866606:SA'
MEA+X5E++ZZ:Blue'
MEA+X6E++ZZ:8'
QTY+12:6:EA'

CPS+4+1+3'
PAC+1++CT'
MEA+EGW+AAB+KGM:13.704'
MEA+PD+ABJ+MTQ:0.02380'
PCI+33E'
GIN+BJ+00393311680069435157'
LIN+3'
PIA+5+LM6835:IN'

PIA+1+2894278:SA'
IMD+F++::PLAY WITH FIRE PANTS'
MEA+X5E++ZZ:ORANGE'
MEA+X6E++ZZ:12'
QTY+12:3:EA'

CPS+5+1+3'
PAC+1++CT'
MEA+EGW+AAB+KGM:13.704'
MEA+PD+ABJ+MTQ:0.02380'
PCI+33E'
GIN+BJ+00393311680069435164'
LIN+4'
PIA+5+LM6835:IN'
PIA+1+2894278:SA'
MEA+X5E++ZZ:ORANGE'
MEA+X6E++ZZ:12'
QTY+12:3:EA'
LIN+5++6438158718586:SRV'
PIA+1+LM6830:IN'
PIA+1+2866606:SA'
MEA+X5E++ZZ:Blue'
MEA+X6E++ZZ:8'
QTY+12:3:EA'

CNT+2:5'
UNT+71+184656'
UNZ+1+184656'

Disclaimer

All samples shown are for illustration purposes only and may not be true representation of actual values.