

# Message Implementation Guideline



# Drakes.

## Invoice Message INVOIC

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

Version 1.1

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SPS COMMERCE

INFINITE RETAIL POWER™

# Document Change Control

Document Version	Released	By SPS Commerce	Changes
V1.0	5 March 2019	Mimoza Piruze	Created Document
V1.1	21 May 2019	Mimoza Piruze	SG 26 Segment QTY DE C186.6411 ('Measurement unit code') changed requirement from 'Dependant' to 'Mandatory'; SG 29 Segment PRI DE C509.5284 ('Unit price basis value') and DE C509.6411 ('Measurement unit code') changed requirement from 'Not used' to 'Mandatory'

## Purpose of this Implementation Guide

The purpose of this guide is to provide suppliers with the necessary information to enable the implementation of sending electronic Invoice messages to Drakes Supermarkets (Drakes).

## Who should use this Guide

This guide is intended for use by Drakes Supermarkets 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
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 Drakes Supermarkets 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 Drakes Supermarkets 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. Drakes Supermarkets 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		M	M	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	

# Invoice Message Business Rules

An Invoice is a message claiming payment for goods or services supplied under the conditions agreed between suppliers and Drakes Supermarkets. This section describes how electronic Invoices (INVOIC document) are to be used in trading electronically with Drakes Supermarkets. Only invoices are to be sent electronically. Any other documents (Credit Notes / Debit Notes) are not included in this Message Implementation Guidelines and should be sent by normal methods.

Drakes Supermarkets is requiring suppliers to provide electronic Invoices for all shipments sent for electronically created orders. This information will be used by Drakes to automate the processing of invoices using the three-way matching functionality within their financial system: Purchase Order against Despatch Advice and Invoice.

Suppliers are to create **one Invoice per single Purchase Order and Despatch Advice** (delivery). Where multiple shipments have been made for a Purchase Order a new Invoice must be raised for each shipment.

All Invoices must quote the relevant Purchase Order number.

Drakes Supermarkets will not pay more than the unit price listed on the accepted Purchase Order.

## Exception Handling

Drakes Supermarkets will implement some basic, common validation rules after the receipt of an electronic invoice document. The Buying party will need to contact the supplier if any electronic invoices fail to meet the validation rules.

If the supplier needs to resend an invoice, the supplier will need to contact Drakes Supermarkets.

The process of resolving matching issues between individual suppliers and Drakes Supermarkets will remain as they currently are for the existing paper process.



# INVOIC Invoice Message

## Introduction:

A message claiming payment for goods or services supplied under conditions agreed between the seller and the buyer.

For this implementation, Drakes Supermarkets requires the message to be explicitly stated as a "TAX INVOICE".

## 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 invoice messages received from suppliers will be acknowledged with a CONTRL Syntax and Service Report (CONTRL) to confirm the receipt of the Interchange.

### Business Rules:

1) Suppliers will be the generators / senders of the Invoice message.  
2) All required data in this MIG must be provided to be compliant with the requirements of Australian Taxation.

## 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>
M		UNA	Service String Advice	M	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	1		
Must Use	0120		Segment Group 1: RFF	C		2	
M	0130	RFF	Reference	M	1		
Must Use	0220		Segment Group 2: NAD-SG3-SG5	C		3	
M	0230	NAD	Name and Address	M	1		
D	0270		Segment Group 3: RFF	C		1	
M	0280	RFF	Reference	M	1		
O	0330		Segment Group 5: CTA-COM	C		1	
M	0340	CTA	Contact Information	M	1		
D	0350	COM	Communication Contact	C	2		
Must Use	0400		Segment Group 7: CUX	C		1	
M	0410	CUX	Currencies	M	1		
O	0740		Segment Group 16: ALC-SG20-SG22	C		9999	
M	0750	ALC	Allowance or Charge	M	1		
Must Use	0870		Segment Group 20: MOA	C		1	
M	0880	MOA	Monetary Amount	M	1		

O	0950		Segment Group 22: TAX-MOA	C		1	
M	0960	TAX	Duty/Tax/Fee Details	M		1	
Must Use	0970	MOA	Monetary Amount	C		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	1090		Segment Group 26: LIN-PIA-IMD-QTY-SG27-SG29-SG34-SG39	C		9999999	
M	1100	LIN	Line Item	M	1		
D	1110	PIA	Additional Product Id	C	1		
Must Use	1130	IMD	Item Description	C	1		
Must Use	1150	QTY	Quantity	C	1		
Must Use	1250		Segment Group 27: MOA	C		3	
M	1260	MOA	Monetary Amount	M	1		
Must Use	1330		Segment Group 29: PRI	C		1	
M	1340	PRI	Price Details	M	1		
Must Use	1550		Segment Group 34: TAX	C		1	
M	1560	TAX	Duty/Tax/Fee Details	M	1		
O	1720		Segment Group 39: ALC-SG41-SG42	C		3	
M	1730	ALC	Allowance or Charge	M	1		
Must Use	1800		Segment Group 41: PCD	C		1	
M	1810	PCD	Percentage Details	M	1		

### Section Control:

	<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>
M	2170	UNS	Section Control	M	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	2180	CNT	Control Total	C	1		
M	2190		Segment Group 50: MOA	M		3	
M	2200	MOA	Monetary Amount	M	1		
M	2320	UNT	Message Trailer	M	1		
M	2330	UNZ	Interchange Trailer	M	1		

**Segment:** **UNA** Service String Advice

**Position:**

**Group:**

**Level:** 0

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** 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	<b>COMPONENT DATA ELEMENT SEPARATOR</b> Composite element delimiter : Colon	M	an..1
M	0020	<b>DATA ELEMENT SEPARATOR</b> Data element delimiter + Plus sign	M	an..1
M	0030	<b>DECIMAL NOTATION</b> 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	<b>RELEASE INDICATOR</b> 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	<b>RESERVED FOR FUTURE USE</b> Not used. White space (blank)	M	an..1
M	0060	<b>SEGMENT TERMINATOR</b> 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:**

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.

This supports all characters defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1

Example:

```
UNB+UNOC:3+SUPPLIER_GLN:14+9377779424865:14+190304:1005+73920001++++1'
UNB+UNOC:3+SUPPLIER_GLN:14+TST1DRAKES:ZZZ+190304:1005+73++++1'
```

**Data Element Summary**

	<b>Data Element</b>	<b>Component Element</b>	<b>Name</b>	<b>Attributes</b>
M	S001		<b>SYNTAX IDENTIFIER</b>	M 1
			Identification of the agency controlling the syntax and indication of syntax level.	
M		0001	<b>Syntax identifier</b>	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	<b>Syntax version number</b>	M n1
			Version number of the syntax identified in the syntax identifier (0001).	
			3 Version 3	
			ISO 9735 Amendment 1:1992.	
M	S002		<b>INTERCHANGE SENDER</b>	M 1
			Identification of the sender of the interchange.	
M		0004	<b>Sender identification</b>	M an..35
			Name or coded representation of the sender of a data interchange.	
			The identifier / GLN of the sending party; supplier	
Must Use		0007	<b>Partner identification code qualifier</b>	C an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners.	
			14 EAN International	
			Partner identification code assigned by the European Article Numbering Association.	
			ZZZ Mutually defined	
			Mutually defined between trading partners.	
Not Used		0008	<b>Address for reverse routing</b>	C an..14
			Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.	
M	S003		<b>INTERCHANGE RECIPIENT</b>	M 1
			Identification of the recipient of the interchange.	
M		0010	<b>Recipient identification</b>	M an..35
			Name or coded representation of the recipient of a data interchange.	

Drakes will use the following addresses:

Production EDI Identifier **9377779424865**  
 Testing & Certification EDI Identifier **TST1DRAKES**

<b>Must Use</b>	<b>0007</b>	<b>Partner identification code qualifier</b>	<b>C</b>	<b>an..4</b>
		Qualifier referring to the source of codes for the identifiers of interchanging partners.		
		14		EAN International Partner identification code assigned by the European Article Numbering Association. Drakes Supermarkets code qualifier used for Production
		ZZZ		Mutually defined Mutually defined between trading partners. Drakes Supermarkets code qualifier used for Testing & Certification
<b>Not Used</b>	<b>0014</b>	<b>Routing address</b>	<b>C</b>	<b>an..14</b>
		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.		
<b>M</b>	<b>S004</b>	<b>DATE AND TIME OF PREPARATION</b>	<b>M</b>	<b>1</b>
		Date and time of preparation of the interchange.		
<b>M</b>	<b>0017</b>	<b>Date of preparation</b>	<b>M</b>	<b>n6</b>
		Local date when an interchange or a functional group was prepared.		
		Date in YYMMDD format, i.e. March 4th, 2019 is presented as 190304		
<b>M</b>	<b>0019</b>	<b>Time of preparation</b>	<b>M</b>	<b>n4</b>
		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		
<b>M</b>	<b>0020</b>	<b>INTERCHANGE CONTROL REFERENCE</b>	<b>M</b>	<b>1 an..14</b>
		Unique reference assigned by the sender to an interchange.		
		This data element is specified as alphanumeric and, for all Drakes implementations, only numbers are accepted as interchange control. The value presented here must match with the value presented in DE 0020 in segment UNZ.		
<b>Not Used</b>	<b>S005</b>	<b>RECIPIENTS REFERENCE PASSWORD</b>	<b>C</b>	<b>1</b>
		Reference or password as agreed between the communicating partners.		
<b>Not Used</b>	<b>0026</b>	<b>APPLICATION REFERENCE</b>	<b>C</b>	<b>1 an..14</b>
		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.		
<b>Not Used</b>	<b>0029</b>	<b>PROCESSING PRIORITY CODE</b>	<b>C</b>	<b>1 a1</b>
		Code determined by the sender requesting processing priority for the interchange.		
<b>Must Use</b>	<b>0031</b>	<b>ACKNOWLEDGEMENT REQUEST</b>	<b>C</b>	<b>1 n1</b>
		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.
<b>Not Used</b>	<b>0032</b>	<b>COMMUNICATIONS AGREEMENT ID</b>	<b>C</b>	<b>1 an..35</b>
		Identification by name or code of the type of agreement under which the interchange takes place.		
<b>Not Used</b>	<b>0035</b>	<b>TEST INDICATOR</b>	<b>C</b>	<b>1 n1</b>
		Indication that the interchange is a test.		

Segment: **UNH** Message Header

Position: 0010

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A service segment starting and uniquely identifying a message. The message type code for the Invoice message is INVOIC.

Dependency Notes:

Semantic Notes:

Comments:

Notes:

Example:

UNH+0001+INVOIC:D:01B:UN:EAN010'

### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0062		<b>MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender. Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender.	M 1 an..14
M	S009		<b>MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M 1
M		0065	<b>Message type identifier</b> Code identifying a type of message and assigned by its controlling agency. INVOIC Invoice message A code to identify the invoice message.	M an..6
M		0052	<b>Message type version number</b> 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 an..3
M		0054	<b>Message type release number</b> 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 an..3
M		0051	<b>Controlling agency</b> Code identifying 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).	M an..2
Must Use		0057	<b>Association assigned code</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. EAN010 EAN Version Control Number	C an..6

<b>Not Used</b>	<b>0068</b>	<b>COMMON ACCESS REFERENCE</b>	<b>C</b>	<b>1 an..35</b>
		Reference serving as a key to relate all subsequent transfers of data to the same business case or file.		
<b>Not Used</b>	<b>S010</b>	<b>STATUS OF THE TRANSFER</b>	<b>C</b>	<b>1</b>
		Statement that the message is one in a sequence of transfers relating to the same topic.		

**Segment:** **BGM** Beginning of Message  
**Position:** 0020  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment by which the sender must uniquely identify the invoice by means of its type and number and when necessary its function.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to indicate the type and function of a message and to transmit the identifying number.

**Example:**

An original Tax Invoice with reference number 432097.  
 BGM+388:::TAX INVOICE+432097+9'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C002		<b>DOCUMENT/MESSAGE NAME</b> Identification of a type of document/message by code or name. Code preferred.	C 1
Must Use		1001	<b>Document name code</b> Code specifying the document name. 388 Tax invoice An invoice for tax purposes. Invoice will be coded 388 Tax Invoice to comply with the Australian Tax Office requirements	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Must Use		1000	<b>Document name</b> Name of a document. Literal text value 'TAX INVOICE'	C an..35
Must Use	C106		<b>DOCUMENT/MESSAGE IDENTIFICATION</b> Identification of a document/message by its number and eventually its version or revision.	C 1
Must Use		1004	<b>Document identifier</b> To identify a document. Invoice number assigned by sender (supplier) must always be unique. Format: Alphanumeric Maximum length: 24	C an..35
Not Used		1056	<b>Version identifier</b> To identify a version.	C an..9
Not Used		1060	<b>Revision identifier</b> To identify a revision.	C an..6
Must Use	1225		<b>MESSAGE FUNCTION CODE</b> Code indicating the function of the message. 9 Original Initial transmission related to a given transaction.	C 1 an..3
Not Used	4343		<b>RESPONSE TYPE CODE</b> Code specifying the type of acknowledgment required or transmitted.	C 1 an..3



**Segment:** **DTM** Date/Time/Period  
**Position:** 0030  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the invoice date. Examples of the use of this DTM segment is: "shipped on date" or "delivery date".  
The Date/Time/Period segment within other Segment groups should be used whenever the Date/Time/Period requires to be logically related to another specified data item e.g. Payment due date is specified within the PAT Segment group.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example:

The invoice (this message) was created on 5<sup>th</sup> March 2019  
DTM+137:20190305:102'

Note that the invoice creation date must not be a future date.

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		<b>DATE/TIME/PERIOD</b> Date and/or time, or period relevant to the specified date/time/period type.	<b>M 1</b>
M		2005	<b>Date or time or period function code qualifier</b> Code qualifying the function of a date, time or period. 137 Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. Date when the invoice is raised.	<b>M an..3</b>
Must Use		2380	<b>Date or time or period value</b> The value of a date, a date and time, a time or of a period in a specified representation.	<b>C an..35</b>
Must Use		2379	<b>Date or time or period format code</b> Code specifying the representation of a date, time or period. 102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	<b>C an..3</b>

**Group:** **RFF** Segment Group 1: Reference  
**Position:** 0120  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 2  
**Purpose:** A group of segments for giving references and where necessary, their dates, related identification numbers, locations, measurements, quantities, free text and monetary amounts, relating to the whole message, e.g. contract information, import or export license information, despatch advice information.

**Notes:** This Segment Group is used to specify references which relate to the whole invoice which includes Drakes Supermarkets Purchase Order Number and supplier's Despatch Advice number.  
  
**Purchase Order number is required as shown in the original Purchase Order.**  
  
 Examples:  
 RFF+ON:3399951'  
 REF+AAK:DES587441'

**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	0130	RFF	Reference	M	1	

**Segment:** **RFF Reference**  
**Position:** 0130 (Trigger Segment)  
**Group:** Segment Group 1 (Reference) Conditional (Required)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** For examples, see explanation in Segment Group 1 notes.

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		<b>REFERENCE</b> Identification of a reference.	M 1
M		1153	<b>Reference code qualifier</b> Code qualifying a reference. AAK Despatch advice number Reference number assigned by issuing party to a despatch advice. Required: supplier's Despatch Advice number (ASN number). ON Order number (purchase) [1022] Reference number assigned by the buyer to an order. Required: A valid Purchase Order Number as shown in the original Purchase Order sent from Drakes Supermarkets.	M an..3
Must Use		1154	<b>Reference identifier</b> Identifies a reference. Drakes Supermarkets Purchase Order Number Format (DE 1153 = ON): Alphanumeric Maximum length: 10 Despatch Advice Reference: Format (DE 1153 = AAK): Alphanumeric Maximum length: 20	C an..70
Not Used		1156	<b>Document line identifier</b> To identify a line of a document.	C an..6
Not Used		4000	<b>Reference version identifier</b> To identify the version of a reference.	C an..35
Not Used		1060	<b>Revision identifier</b> To identify a revision.	C an..6

**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 0220  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 3  
**Purpose:** A group of segments identifying the parties with associated information.  
**Notes:** This segment is used to provide information identifying the parties involved including the buyer (Drakes Supermarkets), the supplier and the ship to location (Warehouse), assigned by Drakes in the original Purchase Order message.

Examples:

Buyer - Drakes Supermarkets  
 NAD+BY+9377779424865::9++Drakes Supermarkets+Upper Level, 159 Henley Beach Road+Torrensville+SA+5031+AU'

Supplier  
 NAD+SU+8353296::92++Supplier Pty Ltd+15 Egan Road+Richmond+VIC+3121+AU'

DC / Warehouse  
 NAD+ST+210::92++Brave Logistics+Stebonheath Road+Edinburgh North+SA+5113+AU'

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	0230	NAD	Name and Address	M	1	
D	0270		Segment Group 3: Reference	C		1
O	0330		Segment Group 5: Contact Information	C		1

**Segment:** **NAD** Name and Address  
**Position:** 0230 (Trigger Segment)  
**Group:** Segment Group 2 (Name and Address) Conditional (Required)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the invoice. Identification of the seller and buyer parties is mandatory for the invoice message. 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, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** This segment is used to provide information identifying the parties involved including the Drakes Supermarkets, the supplier and the Ship to Location (Warehouse / DC / Direct To Store)

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		<b>PARTY FUNCTION CODE QUALIFIER</b> Code giving specific meaning to a party.	M 1 an..3
		BY	Buyer Party to whom merchandise and/or service is sold. Required: used to identify the buyer responsible for the order the invoice relates to.	
		ST	Ship to Identification of the party to where goods will be or have been shipped. Required: Warehouse (DC) code	
		SU	Supplier Party who supplies goods and/or services. Required: supplier code assigned by Drakes Supermarkets	
Must Use	C082		<b>PARTY IDENTIFICATION DETAILS</b> Identification of a transaction party by code.	C 1
M	3039		<b>Party identifier</b> Code specifying the identity of a party. Drakes Buyer (DE 3035 = BY) Format: GLN  Warehouse (DE 3035 = ST) Format: Numeric Maximum length: 3  Drakes assigned supplier number (DE 3035 = SU) Format: Numeric Maximum length: 10	M an..35
Not Used	1131		<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Must Use	3055		<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3

9 EAN (International Article Numbering association)  
International Article Numbering association.  
Used when DE 3035 = BY

92 Assigned by buyer or buyer's agent  
Codes assigned by a buyer or buyer's agent.  
Used when DE 3015 = ST and SU

Not Used	C058	<b>NAME AND ADDRESS</b>	C	1	
		Unstructured name and address: one to five lines.			
Must Use	C080	<b>PARTY NAME</b>	C	1	
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
M	3036	<b>Party name</b>	M	an..35	
		Name of a party.			
		Used to complement code presented in DE 3039, according to qualifier DE 3035.			
D	3036	<b>Party name</b>	C	an..35	
		Name of a party.			
Not Used	3036	<b>Party name</b>	C	an..35	
		Name of a party.			
Not Used	3036	<b>Party name</b>	C	an..35	
		Name of a party.			
Not Used	3036	<b>Party name</b>	C	an..35	
		Name of a party.			
Not Used	3045	<b>Party name format code</b>	C	an..3	
		Code specifying the representation of a party name.			
Must Use	C059	<b>STREET</b>	C	1	
		Street address and/or PO Box number in a structured address: one to four lines.			
M	3042	<b>Street and number or post office box identifier</b>	M	an..35	
		To identify a street and number and/or Post Office box number.			
		Used for street address (line 1) of the party identified.			
D	3042	<b>Street and number or post office box identifier</b>	C	an..35	
		To identify a street and number and/or Post Office box number.			
D	3042	<b>Street and number or post office box identifier</b>	C	an..35	
		To identify a street and number and/or Post Office box number.			
D	3042	<b>Street and number or post office box identifier</b>	C	an..35	
		To identify a street and number and/or Post Office box number.			
Must Use	3164	<b>CITY NAME</b>	C	1	an..35
		Name of a city.			
		City or suburb of the location of the party identified, where applicable, such as RICHMOND.			
O	C819	<b>COUNTRY SUB-ENTITY DETAILS</b>	C	1	
		To specify a part of a country (eg county or part of a city).			
Must Use	3229	<b>Country sub-entity name code</b>	C	an..9	
		Code specifying the name of a country sub-entity.			
		State code of the location of the party identified, where applicable, such as NSW, VIC, etc.			
Not Used	1131	<b>Code list identification code</b>	C	an..17	
		Code identifying a user or association maintained code list.			
Not Used	3055	<b>Code list responsible agency code</b>	C	an..3	
		Code specifying the agency responsible for a code list.			
Not Used	3228	<b>Country sub-entity name</b>	C	an..70	
		Name of a country sub-entity.			

<b>Must Use</b>	<b>3251</b>	<b>POSTAL IDENTIFICATION CODE</b>	<b>C</b>	<b>1 an..17</b>
		Code specifying the postal zone or address.		
		Postal code of the location of the party identified, where applicable, such as 2770, etc.		
<b>Must Use</b>	<b>3207</b>	<b>COUNTRY NAME CODE</b>	<b>C</b>	<b>1 an..3</b>
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1.		
		Country code as defined in ISO 3166-1 two alpha country code.		

**Group:** **RFF** Segment Group 3: Reference  
**Position:** 0270  
**Group:** Segment Group 2 (Name and Address) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Dependent)  
**Max Use:** 1  
**Purpose:** A group of segment for giving references only relevant to the specified party rather than the whole invoice.  
**Notes:** Drakes Supermarkets and Supplier's Australian Business Numbers (ABN) must be provided in the Invoice to meet Australia Taxation Office requirements.

**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	0280	RFF	Reference	M	1	



**Segment:** **RFF Reference**  
**Position:** 0280 (Trigger Segment)  
**Group:** Segment Group 3 (Reference) Conditional (Dependent)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the reference by its number and where appropriate a line number within a document.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Buyer's and Supplier's Australian Business Numbers (ABN) are mandatory fields to be included in the Invoice for Australia Taxation Office requirements.

Examples:

Drakes Supermarkets (Buyer) ABN  
RFF+XA:57109544416'

Supplier ABN  
RFF+XA:41605405001'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		<b>REFERENCE</b> Identification of a reference.	M 1
M		1153	<b>Reference code qualifier</b> Code qualifying a reference. XA Company/place registration number Company registration and place as legally required. Used to provide ABN for the party identified in NAD segment: Drakes Supermarkets (NAD DE 3035 = BY) or Supplier (NAD DE 3035 = SU)	M an..3
Must Use		1154	<b>Reference identifier</b> Identifies a reference. Australian Business Numbers (ABN) If ABN number is not available, an equivalent company identification number such as VAT identification number Format: Alphanumeric Maximum length: 35	C an..70
Not Used		1156	<b>Document line identifier</b> To identify a line of a document.	C an..6
Not Used		4000	<b>Reference version identifier</b> To identify the version of a reference.	C an..35
Not Used		1060	<b>Revision identifier</b> To identify a revision.	C an..6

**Group:** **CTA** Segment Group 5: Contact Information  
**Position:** 0330  
**Group:** Segment Group 2 (Name and Address) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.  
**Notes:** This Segment Group is used to identify contact details for the supplier specified in the previous NAD segment (DE 3035 = SU).

Examples:

CTA+SU+:Supplier contact'  
 COM+name@supplier.com.au:EM'

### 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	0340	CTA	Contact Information	M	1	
D	0350	COM	Communication Contact	C	2	

**Segment:** **CTA Contact Information**  
**Position:** 0340 (Trigger Segment)  
**Group:** Segment Group 5 (Contact Information)      Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to identify a person or department, and their function, to whom communications should be directed.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** For examples, see explanatory notes in NAD SG5

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	3139		<b>CONTACT FUNCTION CODE</b> Code specifying the function of a contact (e.g. department or person). SU                      Supplier contact Department/person to be contacted at the supplier.	C    1    an..3
Must Use	C056		<b>DEPARTMENT OR EMPLOYEE DETAILS</b> Code and/or name of a department or employee. Code preferred.	C    1
Not Used		3413	<b>Department or employee name code</b> Code specifying the name of a department or employee.	C                      an..17
Must Use		3412	<b>Department or employee name</b> Name of a department or employee. Supplier's accounts department contact (DE 3139 = SU). Format: Alphanumeric Minimum length: 1 Maximum length: 35	C                      an..35

**Segment:** **COM** Communication Contact  
**Position:** 0350  
**Group:** Segment Group 5 (Contact Information) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Dependent)  
**Max Use:** 2  
**Purpose:** A segment to identify a communications type and number for the contact specified in the CTA segment.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment identifies the communications number, and type of communications, for the person or department identified in the preceding CTA segment.

If this segment is used at least one communication address is required (email or phone)

Example:  
COM+accounts@vendor.com.au:EM'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C076		<b>COMMUNICATION CONTACT</b> Communication number of a department or employee in a specified channel.	M 3
M		3148	<b>Communication address identifier</b> To identify a communication address. When DE C076.3155 = EM: an email address of the contact specified in the previous CTA segment When DE C076.3155 = TE: a phone number of the contact specified in the previous CTA segment	M an..512
M		3155	<b>Communication address code qualifier</b> Code qualifying the communication address. Format: Alphanumeric Maximum length: 100	M an..3
			EM Electronic mail Exchange of mail by electronic means.	
			TE Telephone Voice/data transmission by telephone.	

**Group:** **CUX** Segment Group 7: Currencies  
**Position:** 0400  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A group of segments specifying the currencies and related dates/periods valid for the whole invoice. Currency data maybe omitted in national applications but will be required for international transactions.  
**Notes:** This segment group is used to identify the currency used in the invoice i.e. the invoice currency.

**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	0410	CUX	Currencies	M	1	

**Segment:** **CUX Currencies**  
**Position:** 0410 (Trigger Segment)  
**Group:** Segment Group 7 (Currencies)      Conditional (Required)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the currencies required in the invoice e.g. the invoice currency. A rate of exchange may be given to convert a reference currency into a target currency.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example:

CUX+2:AUD:4'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	C504		<b>CURRENCY DETAILS</b> The usage to which a currency relates.	C 1
M		6347	<b>Currency usage code qualifier</b> Code qualifying the usage of a currency. 2                      Reference currency	M      an..3
Must Use		6345	<b>Currency identification code</b> Code specifying a monetary unit. Code specifying the currency used for monetary unit Format: ISO 4217 standard three-letter code for currencies worldwide Examples: AUD - Australian Dollar NZD – New Zealand Dollar	C      an..3
Must Use		6343	<b>Currency type code qualifier</b> Code qualifying the type of currency. 4                      Invoicing currency The name or symbol of the monetary unit used for calculation in an invoice. Currency code sent is applicable to entire invoice	C      an..3
Not Used		6348	<b>Currency rate value</b> To specify the value of the multiplication factor used in expressing currency units.	C      n..4
Not Used	C504		<b>CURRENCY DETAILS</b> The usage to which a currency relates.	C      1
Not Used	5402		<b>CURRENCY EXCHANGE RATE</b> To specify the rate at which one specified currency is expressed in another specified currency.	C      1 n..12
Not Used	6341		<b>EXCHANGE RATE CURRENCY MARKET IDENTIFIER</b> To identify an exchange rate currency market.	C      1 an..3

**Group:** **ALC** Segment Group 16: Allowance or Charge  
**Position:** 0740  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Optional)  
**Max Use:** 9999  
**Purpose:** A group of segments specifying allowances and charges for the whole invoice. The allowance or charge specified within this Segment group may either relate to the total invoice in which case it cannot be overridden at detail level, or it can relate to the line items as a default allowance/charge and can be overridden by the ALC Segment group within the detail section. Where relevant, additional information, tax and alternate currency details are to be indicated in the TAX and MOA segments.  
The basis for the calculation of the allowance/charge may be a quantity, a percentage, an amount or a rate and one of the Segment group 17-21 should be used accordingly.

**Notes:** The ALC segment group is used to indicate additional allowances or charges pertaining to an Invoice. Provide only if allowance / charge is applicable to the whole of the invoice. Omit if allowance / charge is applicable to a specific item or items, but not all the items on the invoice, Use the ALC segment in the LIN instead.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0750	ALC	Allowance or Charge	M	1	
Must Use	0870		Segment Group 20: Monetary Amount	C		1
O	0950		Segment Group 22: Duty/Tax/Fee Details	C		1

**Segment:** **ALC** Allowance or Charge  
**Position:** 0750 (Trigger Segment)  
**Group:** Segment Group 16 (Allowance or Charge)      Conditional (Optional)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the charge or allowance and, where necessary, its calculation sequence.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to indicate allowances or charges pertaining to an invoice.

Example:  
ALC+A'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5463		<b>ALLOWANCE OR CHARGE CODE QUALIFIER</b> Code qualifying an allowance or charge.	M 1 an..3
		A	Allowance Code specifying an allowance.	
		C	Charge Code specifying a charge.	
Not Used	C552		<b>ALLOWANCE/CHARGE INFORMATION</b> Identification of allowance/charge information by number and/or code. Refer to D.01B Data Element Dictionary for acceptable code values.	C 1
Not Used	4471		<b>SETTLEMENT MEANS CODE</b> Code specifying the means of settlement.	C 1 an..3
Not Used	1227		<b>CALCULATION SEQUENCE CODE</b> Code specifying a calculation sequence.	C 1 an..3
O	C214		<b>SPECIAL SERVICES IDENTIFICATION</b> Identification of a special service by a code from a specified source or by description.	C 1
D		7161	<b>Special service description code</b> Code specifying a special service.	C an..3
		ABW	Customs duty charge Additional charge on an item's price for customs duty.	
		FC	Freight charge Amount to be paid for moving goods, by whatever means, from one place to another, inclusive discounts, allowances, rebates, adjustment factors and additional cost relating to freight costs (UN/ECE Recommendation no 23).	
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
D		7160	<b>Special service description</b> Free form description of a special service.	C an..35
D		7160	<b>Special service description</b> Free form description of a special service.	C an..35



**Group:** **MOA** Segment Group 20: Monetary Amount  
**Position:** 0870  
**Group:** Segment Group 16 (Allowance or Charge) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A group of segments specifying a monetary amount for an allowance or charge. A range to which the allowance or charge applies can be specified, e.g. an allowance of 5000 BEF may be specified if goods value ordered is greater than 100000 BEF.  
**Notes:** This Segment Group is used to indicate the allowance, or the charge amount applicable to an entire invoice.

**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	0880	MOA	Monetary Amount	M	1	

**Segment:** **MOA Monetary Amount**  
**Position:** 0880 (Trigger Segment)  
**Group:** Segment Group 20 (Monetary Amount)      Conditional (Required)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the monetary amount for the allowance or charge.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to provide financial information relating to allowance or charge applicable to the entire invoice. All monetary values are presented as real numbers with 2 decimal places.

Example:

An allowance of \$419.28 is to be applied to the whole invoice.  
MOA+8:419.28'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		<b>MONETARY AMOUNT</b> Amount of goods or services stated as a monetary amount in a specified currency.	M 1
M		5025	<b>Monetary amount type code qualifier</b> Code qualifying the type of monetary amount. 8 Allowance or charge amount [5422] Total amount of allowance or charge.	M an..3
Must Use		5004	<b>Monetary amount</b> To specify a monetary amount. Format: Numeric, 2 decimal places Maximum Length: 15	C n..35
Not Used		6345	<b>Currency identification code</b> Code specifying a monetary unit.	C an..3
Not Used		6343	<b>Currency type code qualifier</b> Code qualifying the type of currency.	C an..3
Not Used		4405	<b>Status description code</b> Code specifying a status.	C an..3

**Group:** **TAX** Segment Group 22: Duty/Tax/Fee Details  
**Position:** 0950  
**Group:** Segment Group 16 (Allowance or Charge) Conditional (Optional)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 1  
**Purpose:** A group of segments specifying tax related information for the allowance or charge and, when necessary.  
**Notes:** This Segment Group is used to provide the tax rate (GST) and the tax amount applicable to the allowance or charge.

**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	0960	TAX	Duty/Tax/Fee Details	M	1	
Must Use	0970	MOA	Monetary Amount	C	1	

**Segment:** **TAX** Duty/Tax/Fee Details  
**Position:** 0960 (Trigger Segment)  
**Group:** Segment Group 22 (Duty/Tax/Fee Details) Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying the tax type, category and rate, or exemption, related to the allowance or charge.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to specify tax rate for the allowance or charge.

Example:

GST rate of 10% applies to the allowance.  
 TAX+7+GST+++:::10.00'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5283		<b>DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER</b> Code qualifying the function of a duty or tax or fee. 7 Tax Contribution levied by an authority.	M 1 an..3
Must Use	C241		<b>DUTY/TAX/FEE TYPE</b> Code and/or name identifying duty, tax or fee.	C 1
Must Use		5153	<b>Duty or tax or fee type name code</b> Code specifying a type of duty, tax or fee. GST Goods and services tax Tax levied on the final consumption of goods and services throughout the production and distribution chain.	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Not Used		5152	<b>Duty or tax or fee type name</b> Name of a type of duty, tax or fee.	C an..35
Not Used	C533		<b>DUTY/TAX/FEE ACCOUNT DETAIL</b> Indication of account reference for duties, taxes and/or fees.	C 1
Not Used	5286		<b>DUTY OR TAX OR FEE ASSESSMENT BASIS VALUE</b> To specify the basis on which a duty or tax or fee will be assessed.	C 1 an..15
Must Use	C243		<b>DUTY/TAX/FEE DETAIL</b> Rate of duty/tax/fee applicable to commodities or of tax applicable to services.	C 1
Not Used		5279	<b>Duty or tax or fee rate code</b> Code specifying a rate of a duty or tax or fee.	C an..7
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3

<b>Must Use</b>	<b>5278</b>	<b>Duty or tax or fee rate</b> Rate of a duty or tax or fee. Format: Numeric, 2 decimal places Maximum length: 5	<b>C</b>	<b>an..17</b>
<b>Not Used</b>	<b>5273</b>	<b>Duty or tax or fee rate basis code</b> Code specifying the basis for a duty or tax or fee rate.	<b>C</b>	<b>an..12</b>
<b>Not Used</b>	<b>1131</b>	<b>Code list identification code</b> Code identifying a user or association maintained code list.	<b>C</b>	<b>an..17</b>
<b>Not Used</b>	<b>3055</b>	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
<b>Not Used</b>	<b>5305</b>	<b>DUTY OR TAX OR FEE CATEGORY CODE</b> Code specifying a duty or tax or fee category.	<b>C</b>	<b>1 an..3</b>
<b>Not Used</b>	<b>3446</b>	<b>PARTY TAX IDENTIFIER</b> To identify a number assigned to a party by a tax authority.	<b>C</b>	<b>1 an..20</b>
<b>Not Used</b>	<b>1227</b>	<b>CALCULATION SEQUENCE CODE</b> Code specifying a calculation sequence.	<b>C</b>	<b>1 an..3</b>

**Segment:** **MOA** Monetary Amount  
**Position:** 0970  
**Group:** Segment Group 22 (Duty/Tax/Fee Details) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A segment specifying the amount for the allowance or charge.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This is the GST amount applicable to the allowance or charge

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		<b>MONETARY AMOUNT</b> Amount of goods or services stated as a monetary amount in a specified currency.	M 1
M		5025	<b>Monetary amount type code qualifier</b> Code qualifying the type of monetary amount. 369 Goods and services tax Amount charged as tax on goods and services.	M an..3
Must Use		5004	<b>Monetary amount</b> To specify a monetary amount. Format: Numeric, 2 decimal places Maximum length: 15	C n..35
Not Used		6345	<b>Currency identification code</b> Code specifying a monetary unit.	C an..3
Not Used		6343	<b>Currency type code qualifier</b> Code qualifying the type of currency.	C an..3
Not Used		4405	<b>Status description code</b> Code specifying a status.	C an..3

**Group:** **LIN** Segment Group 26: Line Item  
**Position:** 1090  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 9999999  
**Purpose:** A group of segments providing details of the individual invoiced items. There must be at least one occurrence of Segment group 26 within an invoice, but not necessarily in a credit note or a debit note. This Segment group may be repeated to give sub-line details.

**Notes:** The LIN segment group signifies the beginning of the detail section of the Invoice message. The detail section is formed by a repeating group of segments, always starting with a LIN segment. Each occurrence of LIN will usually correspond to a different product being invoiced.

GTIN (Global Trade Item Number) will be the primary product identification. Where there is no GTIN available, the invoiced item will be identified by the supplier product code.

Example:

```

LIN+2++09329018001665:SRV'
IMD+F++::Product Description'
QTY+47:2:CT'
MOA+203:51.40'
MOA+128:51.40'
MOA+369:0.00'
PRI+AAB:25.70:::1:CT'
TAX+7+GST+++:::0.00'
  
```

### Segment Summary

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	1100	LIN	Line Item	M	1	
D	1110	PIA	Additional Product Id	C	1	
Must Use	1130	IMD	Item Description	C	1	
Must Use	1150	QTY	Quantity	C	1	
Must Use	1250		Segment Group 27: Monetary Amount	C		3
Must Use	1330		Segment Group 29: Price Details	C		1
Must Use	1550		Segment Group 34: Duty/Tax/Fee Details	C		1
O	1720		Segment Group 39: Allowance or Charge	C		3

**Segment:** **LIN** Line Item  
**Position:** 1100 (Trigger Segment)  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service invoiced. Other product identification numbers, e.g. Buyer product number etc., can be specified within the following PIA segment.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Examples:

LIN+1++29352042000551:SRV'  
 LIN+2'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	1082		<b>LINE ITEM IDENTIFIER</b> To identify a line item. Application generated sequential line number of the invoiced item. The line number must be unique within the current message.	C 1 an..3
Not Used	1229		<b>ACTION REQUEST/NOTIFICATION DESCRIPTION CODE</b> Code specifying the action to be taken or already taken.	C 1 an..3
D	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C 1
Must Use		7140	<b>Item identifier</b> To identify an item. The Global Trade Item Number (GTIN) of the product being invoiced. Format: Numeric Minimum length: 8 Maximum length: 14	C an..35
Must Use		7143	<b>Item type identification code</b> Coded identification of an item type. 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'.	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Not Used	C829		<b>SUB-LINE INFORMATION</b> 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		<b>CONFIGURATION LEVEL NUMBER</b> To specify a level within a configuration.	C 1 n..2
Not Used	7083		<b>CONFIGURATION OPERATION CODE</b> Code specifying the configuration operation.	C 1 an..3



**Segment:** **PIA** Additional Product Id  
**Position:** 1110  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Dependent)  
**Max Use:** 1  
**Purpose:** A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to provide the identification of the product being invoiced. **Supplier's product code must be provided if the product GTIN is not present the LIN DE C212.7140.**

**Example:**

PIA+5+37188:SA'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		<b>PRODUCT IDENTIFIER CODE QUALIFIER</b> Code qualifying the product identifier.	M 1 an..3
			1 Additional identification Information which specifies and qualifies product identifications.	
			5 Product identification The item number is for product identification. Used to provide the primary product identification	
M	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	M 1
Must Use		7140	<b>Item identifier</b> To identify an item. Used to provide primary and additional information for the product. Format: Alphanumeric Maximum length: 35	C an..35
Must Use		7143	<b>Item type identification code</b> Coded identification of an item type. SA Supplier's article number Number assigned to an article by the supplier of that article.	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Not Used	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C 1
Not Used	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C 1
Not Used	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C 1
Not Used	C212		<b>ITEM NUMBER IDENTIFICATION</b> Goods identification for a specified source.	C 1

**Segment:** **IMD** Item Description  
**Position:** 1130  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A segment for describing the product or service being invoiced as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

This segment is used to provide an item description.

Example:

IMD+F+++:::Example Product 004'

### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	7077		<b>DESCRIPTION FORMAT CODE</b> 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		<b>ITEM CHARACTERISTIC</b> To provide the characteristic of the item being described.	C 1
Must Use	C273		<b>ITEM DESCRIPTION</b> Description of an item.	C 1
Not Used		7009	<b>Item description code</b> Code specifying an item.	C an..17
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Must Use		7008	<b>Item description</b> Free form description of an item. Free form description of product invoiced. Format: Alphanumeric Maximum length: 120	C an..256
Not Used		7008	<b>Item description</b> Free form description of an item.	C an..256
Not Used		3453	<b>Language name code</b> Code specifying the language name.	C an..3
Not Used	7383		<b>SURFACE OR LAYER CODE</b> Code specifying the surface or layer of an object.	C 1 an..3

**Segment:** **QTY** Quantity  
**Position:** 1150  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A segment identifying the product quantities e.g. invoiced quantity.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to specify quantities related to the current line item.

**Drakes business rules:**

Set Weight product will be invoiced in cartons or eaches.  
 Random / Catch Weight product will be invoiced in kilograms

**Examples:**

Quantity invoiced is 90 cartons.  
 QTY+47:90:CT'

Quantity invoiced is 15.250 kilograms.  
 QTY+47:15.250:KGM'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C186		<b>QUANTITY DETAILS</b> Quantity information in a transaction, qualified when relevant.	M 1
M		6063	<b>Quantity type code qualifier</b> Code qualifying the type of quantity. 47 Invoiced quantity The quantity as per invoice. Required: The quantity as per invoice.	M an..3
M		6060	<b>Quantity</b> Alphanumeric representation of a quantity. Format: Numeric Maximum length: 15	M an..35
Must Use		6411	If Random Weight product, Format: Numeric, 3 decimal places. <b>Measurement unit code</b> Code specifying the unit of measurement. <b>Recommend use UN/ECE Recommendation 20, Common code.</b> CT Carton EA Each KGM Kilogram For Random Weight product the invoiced quantity will be presented in kilograms	C an..3

**Group:** **MOA** Segment Group 27: Monetary Amount  
**Position:** 1250  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 3  
**Purpose:** A group of segments specifying any monetary amounts relating to the products and when necessary a currency.  
**Notes:** This Segment Group provides calculated monetary total amount for the line item:

Example:

Total value of this line item, exclusive of GST.  
MOA+128:1234.50'

Total value of GST applicable to this line item.  
MOA+369:0.00'

Total value of this line item, inclusive of GST.  
MOA+203:1234.50'

**Segment Summary**

	<b>Pos.</b>	<b>Seg.</b>		<b>Req.</b>	<b>Max.</b>	<b>Group:</b>
	<b>No.</b>	<b>ID</b>	<b>Name</b>	<b>Des.</b>	<b>Use</b>	<b>Repeat</b>
M	1260	MOA	Monetary Amount	M	1	

**Segment:** **MOA Monetary Amount**  
**Position:** 1260 (Trigger Segment)  
**Group:** Segment Group 27 (Monetary Amount)      Conditional (Required)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to provide financial information relating to a shipment at 'Line Item Level'. All monetary values are presented as real numbers with 2 decimal places.

Example:

Total amount for item excluding GST. This value includes any discounts or surcharges.

MOA+128:230.6200'

Total GST amount for this line item.

MOA+369:23.0616'

Total amount for item including GST.

MOA+203:253.6816'

**Data Element Summary**

	<b>Data Element</b>	<b>Component Element</b>	<b>Name</b>	<b>Attributes</b>
M	C516		<b>MONETARY AMOUNT</b> Amount of goods or services stated as a monetary amount in a specified currency.	M 1
M		5025	<b>Monetary amount type code qualifier</b> Code qualifying the type of monetary amount.	M an..3
			128 Total amount The amount specified is the total amount.	
			203 Line item amount Goods item total minus allowances plus charges for line item. See also Code 66. Line Item value, including GST.	
			369 Goods and services tax Amount charged as tax on goods and services. Line Item value of GST.	
<b>Must Use</b>		5004	<b>Monetary amount</b> To specify a monetary amount. Format: Numeric, 2 decimal places. Maximum length: 15	C n..35
<b>Not Used</b>		6345	<b>Currency identification code</b> Code specifying a monetary unit.	C an..3
<b>Not Used</b>		6343	<b>Currency type code qualifier</b> Code qualifying the type of currency.	C an..3
<b>Not Used</b>		4405	<b>Status description code</b> Code specifying a status.	C an..3

**Group:** **PRI** Segment Group 29: Price Details  
**Position:** 1330  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A group of segments identifying the relevant pricing information for the goods or services invoiced.  
**Notes:** The calculation price detailed in the invoice will always be calculation gross price excluding allowances, charges and taxes.

**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	1340	PRI	Price Details	M	1	

**Segment:** **PRI Price Details**  
**Position:** 1340 (Trigger Segment)  
**Group:** Segment Group 29 (Price Details)      Conditional (Required)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

**Drakes business rules:**  
 Set Weight product will be invoiced per carton or each.  
 Random / Catch Weight product will be invoiced per kilogram  
  
 Unit price per carton is \$55.65  
 PRI+AAB:55.65:::1:CT'  
  
 Unit price per 1 kilogram is \$2.65  
 PRI+AAB:2.65:::1:KGM'

### Data Element Summary

Must Use	Data Element	Component	Name	Attributes	
	<u>Element</u>	<u>Element</u>		<u>C</u>	<u>1</u>
	<b>C509</b>		<b>PRICE INFORMATION</b> Identification of price type, price and related details.	<b>C</b>	<b>1</b>
<b>M</b>		<b>5125</b>	<b>Price code qualifier</b> Code qualifying a price. AAB      Calculation gross The price stated is the gross price to which allowances/ charges must be applied. <b>The unit price presented in DE C509.5118 is the calculation gross excluding taxes, allowances and charges.</b>	<b>M</b>	<b>an..3</b>
<b>Must Use</b>		<b>5118</b>	<b>Price amount</b> To specify a price. Format: Numeric, 2 decimal places Maximum length: 15	<b>C</b>	<b>n..15</b>
<b>Not Used</b>		<b>5375</b>	<b>Price type code</b> Code specifying the type of price.	<b>C</b>	<b>an..3</b>
<b>Not Used</b>		<b>5387</b>	<b>Price specification code</b> Code identifying pricing specification.	<b>C</b>	<b>an..3</b>
<b>Must Use</b>		<b>5284</b>	<b>Unit price basis value</b> To specify the basis for a unit price. Example: 1 carton or 1 kilogram	<b>C</b>	<b>n..9</b>
<b>Must Use</b>		<b>6411</b>	<b>Measurement unit code</b> Code specifying the unit of measurement. CT      Carton Unit price presented in DE C509.5118 is per carton EA      Each Unit price presented in DE C509.5118 is per each KGM      Kilogram Unit price presented in DE C509.5118 is per kilogram	<b>C</b>	<b>an..3</b>
<b>Not Used</b>	<b>5213</b>		<b>SUB-LINE ITEM PRICE CHANGE OPERATION CODE</b> Code specifying the price change operation for a sub- line item.	<b>C</b>	<b>1 an..3</b>

**Group:** **TAX** Segment Group 34: Duty/Tax/Fee Details  
**Position:** 1550  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A group of segments specifying tax related information for the line item, and when necessary, the location(s) to which that tax information relates.  
**Notes:** This Segment Group is used to specify the tax rate related to the line item.

**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	1560	TAX	Duty/Tax/Fee Details	M	1	



**Segment:** **TAX** Duty/Tax/Fee Details  
**Position:** 1560 (Trigger Segment)  
**Group:** Segment Group 34 (Duty/Tax/Fee Details) Conditional (Required)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying a tax type, category and rate, or exemption, relating to the line item.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

This segment is used to specify tax rate for the line item being invoiced.

Example:

Where the Standard rate of 10% applies to an item  
 TAX+7+GST+++:::10.00'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	5283		<b>DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER</b> Code qualifying the function of a duty or tax or fee. 7 Tax Contribution levied by an authority.	M 1 an..3
Must Use	C241		<b>DUTY/TAX/FEE TYPE</b> Code and/or name identifying duty, tax or fee.	C 1
Must Use		5153	<b>Duty or tax or fee type name code</b> Code specifying a type of duty, tax or fee. GST Goods and services tax Tax levied on the final consumption of goods and services throughout the production and distribution chain.	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Not Used		5152	<b>Duty or tax or fee type name</b> Name of a type of duty, tax or fee.	C an..35
Not Used	C533		<b>DUTY/TAX/FEE ACCOUNT DETAIL</b> Indication of account reference for duties, taxes and/or fees.	C 1
Not Used	5286		<b>DUTY OR TAX OR FEE ASSESSMENT BASIS VALUE</b> To specify the basis on which a duty or tax or fee will be assessed.	C 1 an..15
Must Use	C243		<b>DUTY/TAX/FEE DETAIL</b> Rate of duty/tax/fee applicable to commodities or of tax applicable to services.	C 1
Not Used		5279	<b>Duty or tax or fee rate code</b> Code specifying a rate of a duty or tax or fee.	C an..7
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3

<b>Must Use</b>	<b>5278</b>	<b>Duty or tax or fee rate</b> Rate of a duty or tax or fee. Format: Numeric, 2 decimal places. Maximum length: 5	<b>C</b>	<b>an..17</b>
<b>Not Used</b>	<b>5273</b>	<b>Duty or tax or fee rate basis code</b> Code specifying the basis for a duty or tax or fee rate.	<b>C</b>	<b>an..12</b>
<b>Not Used</b>	<b>1131</b>	<b>Code list identification code</b> Code identifying a user or association maintained code list.	<b>C</b>	<b>an..17</b>
<b>Not Used</b>	<b>3055</b>	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	<b>C</b>	<b>an..3</b>
<b>Not Used</b>	<b>5305</b>	<b>DUTY OR TAX OR FEE CATEGORY CODE</b> Code specifying a duty or tax or fee category.	<b>C</b>	<b>1 an..3</b>
<b>Not Used</b>	<b>3446</b>	<b>PARTY TAX IDENTIFIER</b> To identify a number assigned to a party by a tax authority.	<b>C</b>	<b>1 an..20</b>
<b>Not Used</b>	<b>1227</b>	<b>CALCULATION SEQUENCE CODE</b> Code specifying a calculation sequence.	<b>C</b>	<b>1 an..3</b>

**Group:** **ALC** Segment Group 39: Allowance or Charge  
**Position:** 1720  
**Group:** Segment Group 26 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 3  
**Purpose:** A group of segments specifying allowances and charges for the line item where this is different to or not specified within the heading section.  
**Notes:** This group of segments is used to indicate allowance (discount) or charge related to the line item.

**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	1730	ALC	Allowance or Charge	M	1	
Must Use	1800		Segment Group 41: Percentage Details	C		1

**Segment:** **ALC** Allowance or Charge  
**Position:** 1730 (Trigger Segment)  
**Group:** Segment Group 39 (Allowance or Charge)      Conditional (Optional)  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the charge or allowance and, where necessary its calculation sequence.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

The ALC segment is used to indicate allowance (discount) to unit cost of the item being invoiced.

Example:  
ALC+A'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
				C	1 an..3
Must Use	5463		<b>ALLOWANCE OR CHARGE CODE QUALIFIER</b> Code qualifying an allowance or charge.	C	1 an..3
		A	Allowance Code specifying an allowance.		
		C	Charge Code specifying a charge.		
Not Used	C552		<b>ALLOWANCE/CHARGE INFORMATION</b> Identification of allowance/charge information by number and/or code.	C	1
Not Used	4471		<b>SETTLEMENT MEANS CODE</b> Code specifying the means of settlement.	C	1 an..3
Not Used	1227		<b>CALCULATION SEQUENCE CODE</b> Code specifying a calculation sequence.	C	1 an..3
Not Used	C214		<b>SPECIAL SERVICES IDENTIFICATION</b> Identification of a special service by a code from a specified source or by description.	C	1

**Group:** **PCD** Segment Group 41: Percentage Details  
**Position:** 1800  
**Group:** Segment Group 39 (Allowance or Charge) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A group of segments specifying the percentage for the allowance or charge, e.g. The allowance/charge amount is calculated as 5% of the goods value or a price reduction of 5% may be specified if the goods quantity ordered is within the range 5 tons to 10 tons.  
**Notes:** This group of segments is used to indicate line allowance (discount) or charge expressed as a percentage.

**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	1810	PCD	Percentage Details	M	1	

**Segment:** **PCD Percentage Details**  
**Position:** 1810 (Trigger Segment)  
**Group:** Segment Group 41 (Percentage Details)      Conditional (Required)  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Example:

10% discount is applied to this item's unit price.

ALC+A'  
PCD+3:10.00'

### Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C501		<b>PERCENTAGE DETAILS</b> Percentage relating to a specified basis.	M 1
M		5245	<b>Percentage type code qualifier</b> Code qualifying the type of percentage. 3 Allowance or charge [5424] Allowance or charge expressed as a percentage.	M an..3
Must Use		5482	<b>Percentage</b> To specify a percentage. Value expressed as a percentage of a specified amount without the percentage symbol	C n..10
Not Used		5249	<b>Percentage basis identification code</b> Code specifying the basis on which a percentage is calculated.	C an..3
Not Used		1131	<b>Code list identification code</b> Code identifying a user or association maintained code list.	C an..17
Not Used		3055	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list.	C an..3
Not Used	4405		<b>STATUS DESCRIPTION CODE</b> Code specifying a status.	C 1 an..3

**Segment:** **UNS** Section Control  
**Position:** 2170  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A mandatory service segment placed before the first user segment in the summary section to avoid segment collision.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example:

UNS+S'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0081		<b>SECTION IDENTIFIER</b>	M 1 a1
		S	Detail/summary section separation	
			To qualify the segment UNS, when separating the detail from the summary section of a message.	

**Segment:** **CNT** Control Total  
**Position:** 2180  
**Group:**  
**Level:** 0  
**Usage:** Conditional (Required)  
**Max Use:** 1  
**Purpose:** A segment by which control totals may be provided by the sender for checking by the receiver.

**Dependency Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Example:  
  
 This invoice contains 3 line items (total LIN segment count).  
 CNT+2:3'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C270		<b>CONTROL</b> Control total for checking integrity of a message or part of a message.	M 1
M		6069	<b>Control total type code qualifier</b> Code qualifying the type of control of hash total. 2 Number of line items in message	M an..3
			Total count of LIN segments, representing the number of line items being invoiced.	
M		6066	<b>Control total value</b> To specify the value of a control quantity.	M n..18
Not Used		6411	<b>Measurement unit code</b> Code specifying the unit of measurement.	C an..3



**Group:** **MOA** Segment Group 50: Monetary Amount  
**Position:** 2190  
**Group:**  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 3  
**Purpose:** A group of segments giving total amounts for the whole invoice and - if relevant - detailing amounts pre-paid with relevant references and dates.  
**Notes:** This Segment Group is used to provide financial information relating to a shipment at 'Total Value Level'. All monetary values are presented in real numbers with 2 decimal places.

Example:  
  
 Total amount for the invoice excluding GST.  
 MOA+128:354.17'  
  
 Total GST amount for this invoice.  
 MOA+369:35.42'  
  
 Total amount for the invoice including GST.  
 MOA+39:389.59'

**Segment Summary**

	<b>Pos.</b>	<b>Seg.</b>		<b>Req.</b>	<b>Max.</b>	<b>Group:</b>
	<b>No.</b>	<b>ID</b>	<b>Name</b>	<b>Des.</b>	<b>Use</b>	<b>Repeat</b>
M	2200	MOA	Monetary Amount	M	1	

**Segment:** **MOA Monetary Amount**  
**Position:** 2200 (Trigger Segment)  
**Group:** Segment Group 50 (Monetary Amount) Mandatory  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment giving the total amounts for the whole invoice message such as message monetary amount, message line item total amount, amount subject to payment discount, amount subject to tax, alternative currency total amount, total additional amount, sub-total amounts prepaid, total amount prepaid.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Examples:

Total amount for the invoice excluding GST.  
MOA+128:354.17'

Total GST amount for this invoice.  
MOA+369:35.42'

Total amount for the invoice including GST.  
MOA+39:389.59'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C516		<b>MONETARY AMOUNT</b> Amount of goods or services stated as a monetary amount in a specified currency.	M 1
M		5025	<b>Monetary amount type code qualifier</b> Code qualifying the type of monetary amount.	M an..3
		39	Invoice total amount [5444] Total sum charged in respect of one or more Invoices in accordance with the terms of delivery. Total invoice amount including GST is the invoice total after allowances/charges and GST.	
		128	Total amount The amount specified is the total amount. Total invoice amount excluding GST is sum of line amounts excluding GST (but including any allowances or charges).	
		369	Goods and services tax Amount charged as tax on goods and services. Total invoice GST amount is sum of line GST amounts plus GST on allowances and charges.	
Must Use		5004	<b>Monetary amount</b> To specify a monetary amount. Format: Numeric, 2 decimal places Maximum length: 15	C n..35
Not Used		6345	<b>Currency identification code</b> Code specifying a monetary unit.	C an..3
Not Used		6343	<b>Currency type code qualifier</b> Code qualifying the type of currency.	C an..3
Not Used		4405	<b>Status description code</b> Code specifying a status.	C an..3

**Segment:** **UNT** Message Trailer  
**Position:** 2320  
**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 (0001) loop inclusively.  
 UNT+41+0001'

**Data Element Summary**

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0074		<b>NUMBER OF SEGMENTS IN A MESSAGE</b> Control count of number of segments in a message.	M 1 n..6
M	0062		<b>MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M 1 an..14
			Sequence number of the message in the interchange. DE 0062 in the UNT segment will be exactly the same as in the UNH segment.	

**Segment:** **UNZ** Interchange Trailer  
**Position:** 2330  
**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		<b>INTERCHANGE CONTROL COUNT</b>	M 1 n..6
			Count either the number of messages or, if used, the number of functional groups in an interchange.	
			Total count of UNH/UNT segment loop repeats.	
M	0020		<b>INTERCHANGE CONTROL REFERENCE</b>	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 Invoice Message

UNA:+.? '  
UNB+UNOC:3+SUPPLIER\_GLN:14+9377779424865:14+190305:0730+73920001++++1'  
UNH+1+INVOIC:D:01B:UN:EAN010'  
BGM+388:::TAX INVOICE+GGNN566343+9'  
DTM+137:20190305:102'  
RFF+ON:278156789'  
RFF+AAK:DES123XXNN34'

NAD+BY+9377779424865::9++Drakes Supermarkets+Upper Level, 159 Henley Beach Road+Torrensville+SA+5031+AU'  
RFF+XA:57109544416'  
NAD+SU+8353296::92++SUPPLIER PTY LTD+PO BOX 999+HOBART+TAS+7001+AU'  
RFF+XA:41XXXYYZ01'  
CTA+SU+:Supplier contact'  
COM+02 8885 2326:TE'  
COM+acnts@supplier.com.au:EM'  
NAD+ST+210::92++Brave Logistics+Stebonheath Road+Edinburgh North+SA+5113+AU'  
CUX+2:AUD:4'

LIN+1++0607845051019:SRV'  
IMD+F++:::Set Weight Product description'  
QTY+47:50:CT'  
MOA+128:1535.50'  
MOA+369:0.00'  
MOA+203:1535.50'  
PRI+AAB:33.20:::1:CT'  
TAX+7+GST+++:::0.00'  
ALC+A'  
PCD+3:7.50'

LIN+2'  
PIA+5+SP90678:SA'  
IMD+F++:::Random Weight Product description'  
QTY+47:87.933:KGM'  
MOA+128:1046.40'  
MOA+369:104.64'  
MOA+203:1151.04'  
PRI+AAB:11.90:::1:KGM'

TAX+7+GST+++:::10.00'

UNS+S'  
CNT+2:2'

MOA+128:2581.90'  
MOA+369:104.64'  
MOA+39:2686.54'

UNT+39+1'  
UNZ+1+73920001'

***Disclaimer***

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