



Foodservice Industry ORDERS Message

Message

Implementation
Guideline

Based on

EANCOM 2002
Syntax Version 3
UN/EDIFACT
directory D.01B

Version 1.5

16th December 2014

FINAL

Document Change Control

Document Version	Released	By	Changes
V1.0	5th February 2013	Paul Hackett	Created Document
V1.1	23rd July 2013	Paul Hackett	<ol style="list-style-type: none"> 1. Removed REF Segment 2. Added an Example document Released for peer review
V1.2	25th September 2013	Paul Hackett	<ol style="list-style-type: none"> 1. Added UNB 2. Added UNZ 3. Removed code ACB from 4451 of FTX 4. Added code IV at 3035 of NAD 5. Removed code 92 from 3055 of LOC 6. Added code 9 at 3055 of LOC 7. Added code SR at 3139 of CTA 8. Removed code EM from 2155 of COM
V1.3	14th November 2013	Paul Hackett	<ol style="list-style-type: none"> 1. Released for Industry review
V1.4	17th February 2014	Paul Hackett	<ol style="list-style-type: none"> 1. Re added RFF Segment 2. Changed UNB Segment at S001 to UNOC level Cto accomodate @ symbol in COM 3. Added code EM at 3155 of C076 of the COM Segment 4. Update example document for the above Changes <p>Final Release</p>
V1.5	16th December 2014	Paul Hackett	Removed thepage intentionally left blank

Disclaimer

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In addition, no warranty or representation is made that this document will not require modification due to developments in new business practice, technology, changes or additions to the GS1 System.

Notes

Indicators

The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the Segment Description, the Base Status (M)andatory / (C)onditional indicator, the User Status, and the maximum number of occurrences.

There are four types of status for data elements with a (C)Conditional EDIFACT status, whether for simple, component or composite data elements. These are listed below and can be identified when relevant by the following abbreviations:

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REQUIRED	R	Indicates that the entity is required and must be sent.
DEPENDENT	D	Indicates that the entity must be sent in certain conditions, as defined by the relevant explanatory note.
OPTIONAL	O	Indicates the entity is optional and may be sent at the discretion of the user.
NOT USED	X	Indicates that the entity is not used and should be omitted.

Format and picture of data elements

The following conventions apply in the present documentation:

Character type:

a :alphabetic characters
n :numeric characters
an :alpha-numeric characters

Size:

Fixed : all positions must be used
Variable : positions may be used up to a specified maximum

Examples:

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

Acknowledgments

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The Working Group members include the following organizations:

Bidvest	NAFTA
Heinz	PFD
KCR	Simplot



ORDERS – Purchase Order Message

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
5	0005	UNB	Interchange Header	M	M	1		
7	0010	UNH	Message header	M	M	1		
9	0020	BGM	Beginning of message	M	M	1		
11	0030	DTM	Date/time/period	M	M	35		
12	0060	FTX	Free text	C	O	99		
	0090		Segment Group 1: RFF	C	O		>1	
15	0100	RFF	Reference	M	M	1		
	0120		Segment Group 2: NAD-LOC-SG3-SG5	C	R		99	
17	0130	NAD	Name and address	M	M	1		
20	0140	LOC	Place/location identification	C	D	99		
	0220		Segment Group 5: CTA-COM	C	O		5	
22	0230	CTA	Contact information	M	M	1		
23	0240	COM	Communication contact	C	D	5		
	1030		Segment Group 28: LIN-QTY-SG32	C	R		200000	
25	1040	LIN	Line item	M	M	1		
27	1080	QTY	Quantity	C	R	99		
	1320		Segment Group 32: PRI	C	R		25	
29	1330	PRI	Price details	M	M	1		
31	2330	UNS	Section control	M	M	1		
32	2340	MOA	Monetary amount	C	R	99		
33	2350	CNT	Control total	C	R	10		
34	2400	UNT	Message trailer	M	M	1		
35	2420	UNZ	Interchange Trailer	M	M	1		



Segment: UNB Interchange Header
Position: 0005
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To start, identify and specify an interchange

Notes: All messages implemented based on EANCOM 2002 will use syntax level C, version 3 as indicated in DE S0001 and DE S0002 as UNOC:3.

 Example:

 UNB+UNOC:3+93111110000001:14+93222220000004:14+240613:1032+999++++1'
 This element should be included in the UCI segment of the control message (Functional Acknowledgement)

Data Element Summary				
Data Element	Component Element	Name	Base Attributes	User Attributes
S001	0001	SYNTAX IDENTIFIER	M	M
		Syntax identifier	M a4	M
		UNOC Controlling agency and level, UN/ECE level C.		
	0002	Syntax version number	M n1	M
		3 Version number of syntax, Version 3		
S002	0004	INTERCHANGE SENDER	M	M
		GLN (13)	M an..35	M
	0007	Partner identification code qualifier	C an..4	R
		14 GS1		
	0008	Address for reverse routing	C an..35	R
		Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing. This element replaces the use of UNG/UNE segments from earlier versions and as a result UNG/UNE segments are no longer supported.		
S003	0010	INTERCHANGE RECIPIENT	M	M
		GLN (13)	M an..35	M
	0007	Partner identification code qualifier	C an..4	R
		14 GS1		
	0014	Routing Address	C an..14	D
S004	0017	DATE AND TIME OF PREPARATION	M	M
		Date of preparation M n6 M		
	0019	YYMMDD Date Format		
		Time of preparation M n4 M		
		HHMM Time Format		



0020	INTERCHANGE CONTROL REFERENCE	M an..14	M
S005	RECIPIENT REFERENCE PASSWORD C		X
0026	APPLICATION REFERENCE	C an..14	X
0029	PROCESSING PRIORITY CODE	C a1	X
0031	ACKNOWLEDGEMENT REQUEST	C n1	R

1 Acknowledgement requested
This indicator is used to indicate a control message needs to be returned upon receipt of this message.

0032	COMMUNICATIONS AGREEMENT IDENTIFIER	C an..35	X
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0035	TEST INDICATOR	C n1	D
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1 For test message, Otherwise blank
Used to indicate that the message is sent for test purposes only and should be disregarded by the recipient if the message is flagged as 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 Purchase order message is ORDERS.
Note: Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element 0065 ORDERS 0052 D 0054 01B 0051 UN

Semantic Notes:

Notes:

Purchase Order 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 an UNSM Purchase Order based on the D.01B directory under the control of the United Nations.
Example:
UNH+111+ORDERS:D:01B:UN:EAN010'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. Notes: 1. Shall be identical in UNH and UNT. Sender's unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated.	M an..14	M
S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M	M
	0065	Message type Code identifying a type of message and assigned by its controlling agency. Notes: 1. Type of message being transmitted. ORDERS Purchase order message A code to identify the purchase order message.	M an..6	M
	0052	Message version number Version number of a message type. The representation of 0052 was specified as n..3 in version 1 of ISO 9735. 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	Message release number	M	an..3	M
	Release number within the current message type version number (0052).			
	Notes:			
	1. The representation of 0054 was specified as n..3 in version 1 of ISO 9735.			
	01B	Release 2001 – B		
		Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).		
0051	Controlling agency	M	an..2	M
	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).		
		GS1 Description:		
0057	Association assigned code	C	an..6	R
	A code assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.			
	Indicates that the message is the EANCOM version 010 of the UNSM Purchase Order.			
	EAN010	GS1 version control number (GS1 Code)		
0068	COMMON ACCESS REFERENCE	C	an..35	X
	Reference serving as a key to relate all subsequent transfers of data to the same business case or file.			
	Notes:			
	1. Key to relate all subsequent transfers of data to the same business case or file. Within the 35 characters the IA may specify component elements.			
S010	STATUS OF THE TRANSFER	C		X
	Statement that the message is one in a sequence of transfers relating to the same topic.			
0070	Sequence of transfers	M	n..2	X
	Number assigned by the sender indicating the numerical sequence of one or more transfers.			
	Notes:			
	1. Starts at 1 and is incremented by 1 for each transfer.			
0073	First and last transfer	C	a1	X
	Indication used for the first and last message in a sequence of the same type of message 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 order by means of its name and number and when necessary its function.

Dependency Notes:

Semantic Notes:

Notes:

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

The Foodservice Industry Group has agreed that unless otherwise stated, DE 4343 will always be set to AB. This reflects the fact that vendors are required to confirm the Purchase Order using the Purchase Order Response message.

Example:

BGM+220+P3399951+9+AB'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C002		DOCUMENT/MESSAGE NAME	C	R
		Identification of a type of document/message by code or name. Code preferred.		
	1001	Document name code	C an..3	R
		Code specifying the document name.		
		When applicable it is recommended to use the more descriptive document name code for an order instead of the general 220 Purchase Order value.		
		All references other than the document number DE 1004 are in the RFF segment.		
		220 Order		
		Document/message by means of which a buyer initiates a transaction with a seller involving the supply of goods or services as specified, according to conditions set out in an offer, or otherwise known to the buyer.		
	1131	Code list identification code	C an..17	X
		Code identifying a user or association maintained code list.		
		Notes:		
		1. The codes for this data element are provided by the code list responsible agency defined in data element 3055.		
		Refer to D.01B Data Element Dictionary for acceptable code values.		
	3055	Code list responsible agency code	C an..3	X
		Code specifying the agency responsible for a code list.		
		This data element must only be used if DE 1001 contains a GS1 Code.		
		9 GS1		
	1000	Document name	C an..35	X
		Name of a document.		
C106		DOCUMENT/MESSAGE IDENTIFICATION	C	R
		Identification of a document/message by its number and eventually its version or revision.		



1004	Document identifier To identify a document. Order Number assigned by document sender. It is recommended that the length of document number be restricted to a maximum of 17 characters.	C	an..35	R
1056	Version identifier To identify a version.	O	an..9	X
1060	Revision identifier To identify a revision.	C	an..6	R
1225	MESSAGE FUNCTION CODE Code indicating the function of the message. The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. The following definitions apply for the restricted codes: 7 = Duplicate – A re-transmission involving the same parties, on the specific request of the receiver. 9 = Original – An original transmission of a purchase order. 16 = Proposal – A proposed or suggested order. 31 = Copy – A copy of an order for a third party for information purposes.	C	an..3	R
4343	RESPONSE TYPE CODE Code specifying the type of acknowledgment required or transmitted. This DE is used if the order issuer wishes to explicitly indicate whether an acknowledgement is required or not. AB Message acknowledgement Indicates that an acknowledgement relating to receipt of message is required.	C	an..3	R



Segment: **DTM** Date/time/period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 35
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 order date. Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order and, if no schedule is to be specified, the delivery date. The Date/time/period segment within other Segment group 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:

Notes:

This segment is used to specify the date of the Order and, where required, requested dates concerning the delivery of the goods.

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

Example:

DTM+137:20130624:102'

This example dates the Order message as the 24th of June 2013

DTM+2:20130629:102'

This example requests delivery on the 29th of June 2013.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
		Date and/or time, or period relevant to the specified date/time/period type.		
	2005	Date or time or period function code qualifier	M an..3	M
		Code qualifying the function of a date, time or period.		
		Code value 15 should only be used in this position in the message where no promotion reference exists or is not yet available.		
		2 Delivery date/time, requested		
		Date on which buyer requests goods to be delivered.		
		137 Document/message date/time		
		(2006) Date/time when a document/message is issued. This may include authentication.		
	2380	Date or time or period value	C an..35	R
		The value of a date, a date and time, a time or of a period in a specified representation.		
	2379	Date or time or period format code	C an..3	R
		Code specifying the representation of a date, time or period.		
		102 CCYYMMDD		
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		
		203 CCYYMMDDHHMM		
		Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.		



Segment: **FTX** Free text
Position: 0070
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Dependency Notes:

Semantic Notes:

Notes:

This segment is used to provide free form or coded text information for the entire purchase order and is required by the Foodservice Industry.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example

FTX+PUR+++PLEASE CONFIRM ORDER AND DELIVERY DATES'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT CODE QUALIFIER Code qualifying the subject of the text. PUR Purchasing information Note contains purchasing information.	M an..3	M
4453		FREE TEXT FUNCTION CODE Code specifying the function of free text. Coded reference to a standard text and its source.	C an..3	X
C107		TEXT REFERENCE Code reference to a standard text and its source	C	X
	4441	Free text value code Code specifying free form text. 001 = ...standard text... Refer to D.01B Data Element Dictionary for acceptable code values.	M an..17	X
	1131	Code list identification code	C an..17	X
	3055	Code list responsible agency code Code specifying the agency responsible for a code list. Refer to D.01B Data Element Dictionary for acceptable code values.	C an..3	X



C108

TEXT LITERAL

C

R

Free text; one to five lines.

This composite is only used if coded text can not be used.

4440	Free text value Free form text.	M	an..512	M
4440	Free text value Free form text.	C	an..512	O
4440	Free text value Free form text.	C	an..512	X
4440	Free text value Free form text.	C	an..512	X
4440	Free text value Free form text.	C	an..512	X



Group: **RFF** Segment Group 1: Reference
Position: 0090
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: >1
Purpose: A group of segments for giving references and where necessary, their dates, relating to the whole message, e.g. contract number, import/export licence number, reservation number.

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	0100	RFF	Reference	R	1	



Segment: **RFF** Reference
Position: 0100 (Trigger Segment)
Group: SG1
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:

Notes:

This segment is used to specify other references which relate to the transmission, for example, contract numbers, price list numbers, etc. The references given at this point are valid for the whole order unless superseded by references at line level.

Example:

RFF+PD:8587'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE Identification of a reference.	M	M
	1153	Reference code qualifier Code qualifying a reference.	M an..3	M
		CT Contract number Reference number of a contract concluded between parties.		
		PD Promotion deal number Number assigned by a vendor to a special promotion activity.		
		SD Sales department number A number that identifies a sales department.		
		TL Tax exemption licence number Number assigned by the tax authorities to a party indicating its tax exemption authorization. This number could relate to a specified business type, a specified local area or a class of products.		
	1154	Reference identifier Identifies a reference.	C an..70	R
	1156	Document line identifier To identify a line of a document.	C an..6	X
	4000	Reference version identifier To identify the version of a reference.	C an..35	X
	1060	Revision identifier To identify a revision.	C an..6	X



Group: **NAD** Segment Group 2: Name and address
Position: 0120
Group: Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 99
Purpose: A group of segments identifying the parties with associated information.

Segment Summary						
	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0130	NAD	Name and address	M	1	
D	0140	LOC	Place/location identification	C	99	
O	0160		Segment Group 5: Contact information	C	1	5



Segment: **NAD** Name and address
Position: 0130 (Trigger Segment)
Group: SG2
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 order. Identification of the seller and buyer parties is mandatory for the order 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:

Notes:

This segment is used to identify the trading partners involved in the Order process. Identification of the buyer and supplier of goods and services is mandatory using DE's 3035 and C082. Additionally, the invoicee and/or delivery party should be specified if different to the buyer.
The delivery address given in NAD at header level is the main delivery address for all line items. The Foodservice Industry Group has agreed that GS1 GLN's will be used to identify all parties.

Example:

NAD+BY+9311111000011::9'

NAD+IV+9311111010407::9'

If IV is used in the NAD segment, the Invoice is to be directed to the Party nominated NOT the Party ordering, IV is used by some parties in the Foodservice Industry, the invoice needs to be sent to the Party nominate as the Invoicee.

NAD+ST+9311111010407::9'

NAD+SU+9322222000016::9'

Dependency Notes:

The following composites and data elements are only used when a coded name and address cannot be used or there is a requirement to furnish the full name and address for the trading party. The affected composites and data elements are as follows:
C080 - C059 - 3164 - C819 - 3251 - 3207

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY FUNCTION CODE QUALIFIER	M	an..3 M
		Code giving specific meaning to a party.		
	BY	Buyer		
		Party to whom merchandise and/or service is sold.		
	IV	Invoicee		
		(3006) Party to whom the invoice is to be issued		
		Used by the Foodservice Industry		
	ST	Ship to		
		Identification of the party to where goods will be or have been shipped.		



	SU	Supplier Party who supplies goods and/or services.			
		GS1 Description: Party which provides service(s) and/or manufactures or otherwise has possession of goods, and consigns or makes them available in trade.			
	UC	Ultimate Consignee The final delivery destination			
C082	PARTY IDENTIFICATION DETAILS		C		R
	Identification of a transaction party by code.				
3039	Party identifier		M	an..35	M
	Code specifying the identity of a party.				
	GLN -Format n13				
	The Foodservice Industry Group has agreed that GS1 GLN's will be used to identify all parties.				
1131	Code list identification code		C	an..17	X
	Code identifying a user or association maintained code list.				
	Notes:				
	1. The codes for this data element are provided by the code list responsible agency defined in data element 3055.				
3055	Code list responsible agency code		C	an..3	R
	Code specifying the agency responsible for a code list.				
	9	GS1			
	91	Assigned by supplier or supplier's agent Codes assigned by a seller or seller's agent.			
		GS1 Description: Code assigned by the supplier or supplier's agent.			
	92	Assigned by buyer or buyer's agent Codes assigned by a buyer or buyer's agent.			
	ZZZ	Mutually defined A code assigned within a code list to be used on an interim basis and as defined among trading partners until a precise code can be assigned to the code list.			
C058	NAME AND ADDRESS		C		X
	Unstructured name and address: one to five lines.				
3124	Name and address description		M	an..35	X
	Free form description of a name and address line.				
3124	Name and address description		C	an..35	X
	Free form description of a name and address line.				
3124	Name and address description		C	an..35	X
	Free form description of a name and address line.				
3124	Name and address description		C	an..35	X
	Free form description of a name and address line.				
3124	Name and address description		C	an..35	X
	Free form description of a name and address line.				
C080	PARTY NAME		C		D
	Identification of a transaction party by name, one to five lines. Party name may be formatted.				



C059	3036	Party name Name of a party. Party Name in clear text.	M	an..35	M
	3036	Party name Name of a party.	C	an..35	D
	3036	Party name Name of a party.	C	an..35	X
	3036	Party name Name of a party.	C	an..35	X
	3045	Party name format code Code specifying the representation of a party name. Refer to D.01B Data Element Dictionary for acceptable code values.	C	an..3	X
		STREET Street address and/or PO Box number in a structured address: one to four lines.	C		D
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number. Building Name/Number and Street	M	an..35	M
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number. Name and/or P.O. Box.	C	an..35	D
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number.	C	an..35	X
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number.	C	an..35	X
	3164	CITY NAME Name of a city. City/Town name, clear text	C	an..35	D
		COUNTRY SUB-ENTITY DETAILS To specify a part of a country (eg county or part of a city).	C		D
	3229	Country sub-entity name code Code specifying the name of a country sub-entity. appropriate national authority.	C	an..9	X
	1131	Code list identification code Code identifying a user or association maintained code list.	C	an..17	X
	3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C	an..3	X
	3228	Country sub-entity name Name of a country sub-entity. County/State, clear text.	C	an..70	X
	3251	POSTAL IDENTIFICATION CODE	C	an..17	D



Segment: **LOC** Place/location identification
Position: 0140
Group: SG2
Level: 2
Usage: Conditional (Dependent)
Max Use: 99
Purpose: A segment giving more specific location information of the party specified in the NAD segment e.g. internal site/building number.

Dependency Notes:

Semantic Notes:

Notes:

This segment will only be used in relation to ST in 3055 0 of the NAD segment in the instance where additional delivery information maybe required

Example

This is intended for use in the Foodservice Industry where a store may be the receiving party but they also have an offsite storage area where the goods (in this case) need to be delivered.

The Foodservice Industry Group has agreed that GS1 GLN's will be used for the identification of all locations.

LOC+7+9311111010419::9'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location.	M an..3	M
	7	Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).		
C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C	R
	3225	Location name code Code specifying the name of the location.	C an..25	R
		GLN - Format n13 The Foodservice Industry Group has agreed that GS1 GLN's will be used for the identification of all locations.		
	1131	Code list identification code Code identifying a user or association maintained code list. : 1. The codes for this data element are provided by the code list responsible agency defined in data element 3055.	C an..17	X
	3055	Code list responsible agency code Code specifying the agency responsible for a code list. DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.	C an..3	D
	9	GS1 Code		
	3224	Location name Name of the location. Name of first related location.	C an..256	X



Group: **CTA** Segment Group 5: Contact information
Position: 0220
Group: Segment Group 2 (Name and address) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0230	CTA	Contact information	M	1	
R	0240	COM	Communication contact	C	5	



Segment: **CTA** **Contact information**
Position: 0230 (Trigger Segment)
Group: SG2-SG5
Level: 2
Usage: Optional
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:

Notes:

This segment is used to identify contact details for the party specified in the previous NAD segment. The GLN - Format n13 - is particularly suitable for this purpose.

For the Foodservice Industry this will be either the name of the Buyer raising the Order and their contact details, or the Supplier contact name and their contact details, or both.

In some cases it may also be / include the name of the sales representative who wrote the Original Order.

Example:

CTA+PD+:P FORGET'

Contact details are provided for general enquiries related to the content of the purchase orders. It is advised that the contact details provided are extracted and updated in the vendor's systems accordingly as the details may be changed from time to time.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION CODE	C an..3	R
		Code specifying the function of a contact (e.g. department or person).		
		OC	Order contact	
			A <u>Supplying party</u> person to contact for questions regarding this order.	
		PD	Purchasing contact	
			The Department/person responsible for issuing this purchase order.	
		SR	Sales Representative or department	
			The sales representative or department contact within an organization..	
C056		DEPARTMENT OR EMPLOYEE DETAILS	C	R
		Code and/or name of a department or employee. Code preferred.		
	3413	Department or employee name code	C an..17	X
		Code specifying the name of a department or employee.		
	3412	Department or employee name	C an..35	R
		Name of a department or employee.		



Segment: **COM** Communication contact
Position: 0240
Group: SG2-SG5
Level: 3
Usage: Conditional (Dependant)
Max Use: 5
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Dependency Notes:

Semantic Notes:

Notes:

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

Example:

COM+0423999999:TE'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT Communication number of a department or employee in a specified channel.	M	M
	3148	Communication address identifier To identify a communication address.	M an..512	M
	3155	Communication address code qualifier Code qualifying the communication address.	M an..3	M
		EM email Address		
		FX Fax Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.		
		TE Telephone Voice/data transmission by telephone.		



Group: **LIN** Segment Group 28: Line item
Position: 1030
Group: Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 200000
Purpose: A group of segments providing details of the individual ordered items. This segment group may be repeated to give sub-line details. Purchase Order Detail Section

Segment Summary						
	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	1040	LIN	Line item	M	1	
M	1080	QTY	Quantity	M	99	
	1320		Segment Group 32: Price details	M		25



Segment: **LIN** Line item
Position: 1040 (Trigger Segment)
Group: SG28
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 ordered.

Semantic Notes:

Notes: This segment is used to identify the item /items being ordered. The Foodservice Industry Group have advised that Item Identification will be by GS1 GTIN only.

Example in GTIN-14 format

Item 1.

LIN+1++19312825555599:SRV'

Item 2,

LIN+2++19312455656587:SRV'

Item 3.

LIN+3++19312455600029:SRV'

Example of a Variable Weight item

Item 1.

LIN+1++99312345000015:SRV'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1082		LINE ITEM IDENTIFIER To identify a line item.	M an..6	M
		Application generated number of the count of the order lines.		
1229		ACTION REQUEST/NOTIFICATION DESCRIPTION CODE Code specifying the action to be taken or already taken. Refer to D.01B Data Element Dictionary for acceptable code values.	C an..3	X
C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C	D
		This composite will only be used for the identification of GS1 codes.		
	7140	Item identifier To identify an item. Format n..14	C an..35	R
		GTIN - this is the number of the article being ordered.		
	7143	Item type identification code Coded identification of an item type.	C an..3	R
		SRV GTIN Global Trade Item Number		



1131	Code list identification code	C	an..17	X
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Code identifying a user or association maintained code list.

Notes:

1. The codes for this data element are provided by the code list responsible agency defined in data element 3055.

Refer to D.01B Data Element Dictionary for acceptable code values.

3055	Code list responsible agency code	C	an..3	X
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Code specifying the agency responsible for a code list.

Refer to D.01B Data Element Dictionary for acceptable code values.



Segment: QTY Quantity
Position: 1080
Group: SG28
Level: 2
Usage: Mandatory
Max Use: 99
Purpose: A segment identifying the product quantities e.g. ordered quantity.

Dependency Notes:

Semantic Notes:

Notes:

This segment is used to specify the total quantity ordered for the current line identified in the LIN segment. If split deliveries are being used, the quantities for the split delivery are specified in segment group 37. The totals for all quantities expressed in the QTY's at segment group level must equal the value in this QTY segment.

Example:

Item 1

QTY+21:64'

Item 2

QTY+21:28'

Item 3

QTY+21:22'

Data element 6411 is only used when a product is a variable quantity product, e.g. kilos

Example : Variable Weight item

QTY+21:100:KGM'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186		QUANTITY DETAILS	M	M
		Quantity information in a transaction, qualified when relevant.		
	6063	Quantity type code qualifier	M an..3	M
		Code qualifying the type of quantity.		
		21 Ordered quantity		
		The quantity which has been ordered.		
	6060	Quantity	M an..35	M
		Alphanumeric representation of a quantity.		
	6411	Measurement unit code	C an..3	D
		Code specifying the unit of measurement.		
		1. Recommend use UN/ECE Recommendation 20, Common code.		
		This DE is only used if the product ordered is a variable quantity product.		
		EA Each		
		KGM Kilogram		



Group: **PRI** Segment Group 32: Price details
Position: 1320
Group: Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 25
Purpose: A group of segments identifying the relevant pricing information for the goods or services ordered.

	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	1330	PRI	Price details	M	1	



Segment: **PRI** Price details
Position: 1330 (Trigger Segment)
Group:
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'.

Notes: This segment is used to detail the price for the current product identified in the LIN segment. The calculation price detailed in the Purchase Order will always be the Net Unit Price, i.e., Gross Price + Charges - Allowances.

Example:

PRI+1E:27.2025'

PRI+1E:17.78'

PRI+1E:52.06'

Data elements 5284 and 6411 are used when a product is a variable quantity product, e.g. price per kilo, or when the unit of measure for purchasing, delivery, and invoicing are different for a product, e.g. sugar is not a variable quantity product but ordered and delivered in packs, and invoiced in kilos or tonnes.

Example : Variable Weight item

PRI+1E :150.00:::1.50:KGM'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C509		PRICE INFORMATION Identification of price type, price and related details.	C	R
	5125	Price code qualifier Code qualifying a price.	M an..3	M
		Notes: 1. The code set from data element 5387 may also be used as agreed among trading partners. AAA - The price stated is the net price including all allowances and charges and excluding taxes. Allowances and charges may be stated for information purposes only.		
		1E Calculation net - including taxes (GS1 Code) The price stated is the net price including all allowances and charges, and including taxes. Allowances and charges may be stated for information purposes only.		
		AAA Calculation net – excluding taxes The price stated is the net price excluding allowances/ charges. Allowances/charges may be stated for information only.		
		GS1 Description: The price stated is the net price including allowances/ charges and excluding taxes. Allowances/charges may be stated for information only.		
	5118	Price amount To specify a price.	C n..15	R



5375	Price type code Code specifying the type of price.	C	an..3	X
5387	Price specification code Code identifying pricing specification.	C	an..3	X
5284	Unit price basis value To specify the basis for a unit price.	C	n..9	D
6411	Measurement unit code Code specifying the unit of measurement.	C	an..3	D

Notes:

1. Recommend use UN/ECE Recommendation 20, Common code.

EA	Each
KGM	Kilogram



Segment: **UNS** Section control
Position: 2330
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment placed at the start of the summary section to avoid segment collision.
Dependency Notes:
Semantic Notes:
Notes:

Purchase Order Summary Section
This segment is used to separate the detail and summary sections of the message.

Example:
UNS+S'

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0081		SECTION IDENTIFICATION	M a1	M
		Separates sections in a message.		
	S	Detail/summary section separation		
		To qualify the segment UNS, when separating the detail from the summary section of a message.		



Segment: **MOA** Monetary amount
Position: 2340
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A segment giving the total amounts for the whole order message.

Dependency Notes:

Semantic Notes:

Notes:

This segment is used to indicate total amounts for the order.in AUD

Example:

MOA+86:3384.12'

The total value of the line items identified in the message including GST

MOA+128:3076.47'

The total value of the line items identified in the message excluding GST

MOA+369:307.65'

The total value of the GST

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C516		MONETARY AMOUNT	M	M
		Amount of goods or services stated as a monetary amount in a specified currency.		
	5025	Monetary amount type code qualifier	M an..3	M
		Code qualifying the type of monetary amount.		
		86 Message total monetary amount including GST		
		The total of all monetary amounts contained within the message.		
		128 Total amount excluding GST		
		The amount specified is the total amount.		
		369 Goods and services tax		
		Amount charged as tax on goods and services.		
	5004	Monetary amount	C n..35	R
		To specify a monetary amount.		
	6345	Currency identification code	C an..3	X
		Code specifying a monetary unit.		
	6343	Currency type code qualifier	C an..3	X
		Code qualifying the type of currency.		
		Refer to D.01B Data Element Dictionary for acceptable code values.		
	4405	Status description code	C an..3	X
		Code specifying a status.		
		.		



Segment: **CNT** Control total
Position: 2350
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Dependency Notes:

Semantic Notes:

Notes:

This segment is used to provide message control totals.

Example:

CNT+2:3

There are three LIN segments in the current message.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C270		CONTROL	M	M
		Control total for checking integrity of a message or part of a message.		
	6069	Control total type code qualifier	M an..3	M
		Code qualifying the type of control of hash total.		
		When using code '1', the value expressed in data element 6066 will be the addition of all the values of data element 6060 at LIN level.		
		1		
		Total value of the quantity segments at line level in a message		
		Self-explanatory.		
		GS1 Description:		
		The total value of all QTY segments at line level within a message.		
		2		
		Number of line items in message		
		Self-explanatory.		
		GS1 Description:		
		The total number of LIN segments in a message.		
	6066	Control total value	M n..18	M
		To specify the value of a control quantity.		



Segment: **UNT** Message trailer
Position: 2400
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:

Notes: This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example:

UNT+28+111'

Where 111 is the Interchange control number reference from the UNH Segment.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0074		NUMBER OF SEGMENTS IN THE MESSAGE Control count of number of segments in a message.	M n..6	M
Notes: 1. Control count including UNH and UNT. The total number of segments in the message is detailed here.				
0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M an..14	M
Notes: 1. Shall be identical in UNH and UNT. The message reference number detailed here should equal the one specified in the UNH segment.				



Segment: **UNZ** Interchange Trailer
Position: 2420
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange

Notes: The UNZ segment marks the end of the interchange

Example:

UNZ+1+999'

Where 999 is the Interchange control reference from the UNB Segment.

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
0036		INTERCHANGE CONTROL COUNT Total count of UNH/UNT segment loop repeats.	M n..6	M
		DE 0036: If functional groups are used, this is the number of functional groups within the interchange. If functional groups are not used, this is the number of messages within the interchange		
0020		INTERCHANGE CONTROL REFERENCE Unique reference assigned by the sender to an interchange. Identical to DE 0020 in the UNB Segment	M an..14	M



Worked Example

The Scenario

Purchase Order (PO) A Single Delivery to a Single location

FOODSERVICECO uses EDI to place Purchase **ORDERS** with **Vegetables Australia Ltd.**

The EDI format is the **EDIAN010** subset of **UN-EDIFACT**, version **D01b**.

On **24/06/2013**, the buyer, P. Forget of **FOODSERVICECO** (EDI Interchange Address **9311111000001**) places an **Original** order number **P3399951** on **Vegetables Australia** (EDI Interchange Address **9322222000004**) for 3 items.

The requested delivery is to be on the **29/06/2013**.

The Order was raised under Promotional Deal number **8587**

The Order was raised by **FOODSERVICECO** Head office, identified by GLN 9311111000010, the buyer raising the order is P. Forget.

Delivery is to be to the **FOODSERVICECO** Store 104 identified by GLN 9311111010407. A Supplier contact name, S. Hello, is also included in the order.

Store 104 has a sub delivery location an Offsite storage warehouse near the store identified by GLN 9311111010419.

If IV is used in the NAD segment, the Invoice is to be directed to the Party nominated NOT the Party ordering, IV is used by some parties in the Foodservice Industry, the invoice needs to be sent to the Party they nominate as the Invoicee.

The Order is for three items :-

Item 1 GTIN-14 1931282555599.

64 units are ordered with a unit price of **\$27.2025** (incl GST).

Item 2 GTIN-14 19312455656587

28 units are ordered with a unit price of **\$17.7800** (incl GST)

Item 3 GTIN-14 19312455600029

22 units are ordered with a unit price of **\$52.0600** (incl GST)

The total order value is **\$3384.1200** (incl GST).



Example Document

The resulting and required ORDERS message is (with descriptive notation in Italics) :

UNB+UNOC:3+93111110000001:14+9322222
000004:14+240613:1032+999++++1'

Interchange #999, Sender EDI Address
9311111000001 &
Receiver EDI Address 9322222000004

UNH+111+ORDERS:D:01B:UN:EAN010'

Message #111 – ORDERS, using D01B UN-edifact,
EAN010 Subset

BGM+220+P3399951+9+AB'

Order No. P3399951,Original,requiring a Response

DTM+137:20130624:102'

Date of Order – 24.06.2013

DTM+2:20130629:102'

Delivery due 29.06.2013

FTX+PUR+++PLEASE CONFIRM ORDER
AND DELIVERY DATES'

Any Additional Purchasing Information as Free text (
A Foodservice Industry requirement)

RFF+PD:8587'

This Order is based on Promo deal Number 8587

NAD+BY+9311111000010::9'

Buying party is FOODSERVICECO Head office

CTA+PD+:P FORGET'

P.FORGET is the name of the Buyer

COM+0423999999:TE'

This is his / her contact number

NAD+IV+9311111010407:9

The Invoicee is 9311111010407 Store 104

NAD+ST+9311111010407::9'

The “ Ship to” , place of delivery is Store 104

LOC+7+9311111010419::9'

Sub location delivery is 9311111010419 Store 104's
offsite Warehouse

NAD+SU+9322222000016::9'

Supplier is 9322222000016 Vegetables Australia

CTA+OC+:S HELLO'

S.HELLO is the name of the Supplier contact

COM+0423884477:TE'

This is his / her contact number

LIN+1++19312825555599:SRV'

Item 1 in GTIN-14 format

QTY+21:64'

Total Ordered Qty = 64 cartons

PRI+1E:27.2025'

Net Price = \$27.2025/carton

LIN+2++19312455656587:SRV'

Item 2, in GTIN-14 format

QTY+21:28'

Total Ordered Qty = 28 cartons

PRI+1E:17.78'

Net price = \$17.7800/carton

LIN+3++19312455600029:SRV'

Item 3, in GTIN-14 format

QTY+21:22'

Total Ordered Qty = 22 cartons

PRI+1E:52.06'

Net price = \$52.0600/carton

UNS+S'

End of Message Details

MOA+86:3384.12'

Total Order Value = \$3384.1200 (incl GST)

CNT+2:3'

This Order is for 3 items

UNT+28+111'

This message #111 contains a total of 28 segments

UNZ+1+999'

This interchange #999 contains 1 message

