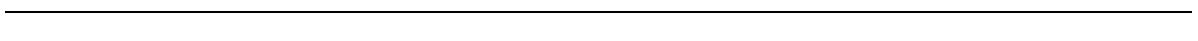




B2B Business Document Definition Implementation Guide

Purchase Order (EANCOM – ORDERS)

Version 1.05, 30th October 2010



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1 INTRODUCTION

1.1 Document Purpose & Use

For the implementation of the M&S EDI business documents (messages) we have provided an Implementation Guide to help you through your adoption of the M&S B2B EDI solution.

Provided for you is the Implementation Guide itself detailing the EDI messages and the business context and the circumstances in which they will be passed between yourself and M&S.

Also provided for you is the EDI Business Document Definition; this definition specifies the structure and content of the EDI message that M&S will exchange with you. At M&S we have adopted an Industry compliant EDI data standard to ensure ease of adoption for our Trading Partners. The standard adopted is EANCOM; it is an EDIFACT compliant data standard, and forms the basis of our Business Document Definitions.

In addition we have provided a Testing Compliance Specification, along with example testing files to ensure that your implementation is successful and compliant with what M&S will expect to exchange with you.

Together this information, the Implementation Guide, the Business Document Definition, and the Testing Compliance specification, will provide you with all the information you need to successfully and smoothly transition onto the M&S B2B EDI solution.

1.2 EDI Communication & Transmission

The M&S B2B EDI solution will enable M&S and you as a Trading Partner of ours to implement a fully automated, end-to-end B2B EDI solution.

This solution is supported for trading partners who have an existing EDI solution, or, who are transitioning to an EDI solution, and can send and receive the EDI messages into their business systems.

We have partnered with GXS to provide a leading-class B2B solution that enables us to seamlessly exchange business documents with you. The following diagram provides a high-level summary to this solution:



1.3 M&S EDI Business Document Definition

M&S have adopted the EDIFACT compliant EANCOM standard for its B2B EDI messages; all EDI messages sent and received must be encoded with this data standard as detailed in section [EDI Business Document Definition](#).

Each of the specified Business Documents (or EDI messages) is defined by the Business Document Definitions, and forms the “data contract” between M&S and you our Trading Partner – as defined within this document.

The Business Document Definition provides you with the following information:

- ❖ The EANCOM data object to be utilised for each Business Document
- ❖ The EANCOM message segments and elements within those to be transmitted as part of any data exchange

- ❖ Implementation rules for each of the segments and elements
- ❖ The business definition of each element to be used
- ❖ The elements that are mandatory and those which are optional i.e. may NOT be passed
- ❖ The format of the data to be passed for each element

As part of your transition process onto the M&S B2B solution, GXS, our partner for this solution will assist you with any queries you may have regarding this implementation guide and Business Document Definition itself, or your implementation of those definitions. .

1.4 EANCOM Standard

M&S specify that for EDI communication the EANCOM standard **MUST** be utilised as the supported data standard and therefore **MUST** be supported by the Trading Partner (either directly or through 3rd party service).

For all new EDI Trading Partners to M&S, it is expected that EANCOM will be utilised. Trading Partners whom have existing EDI with M&S these communications will continue to be supported regardless of the information standard utilised. Where the opportunity provides it these non-supported information standards **MUST** be migrated to the EANCOM standard.

The definition of support is as follows:

- ❖ Any information exchange **MUST** relate to an EANCOM defined data model as listed by EANCOM 2002 Syntax 4
- ❖ Any data model utilised **MUST** conform to the EANCOM definition both schematically i.e. structure and semantically i.e. data format. This includes use of mandatory segments and elements, and adhering to data types and data representations
- ❖ Business level responses **MUST** be agreed to by M&S and the each Trading Partner and will be specified as part of the MS Message Implementation Guide (this document). Where utilised they **MUST** align to those specified by the EANCOM standard e.g. PROINQ and PRODAT
- ❖ Technical acknowledgements **ARE** expected to be exchanged for each information exchange using the standard **CONTRL** message

1.5 Message Flows

1.5.1 General Merchandise Supplier / Trading Partner

M&S has enabled electronic messages for its “buy” part of its supply chain; dependent on whether you trade directly or indirectly with us, you can expect to exchange the following business documents:

- ❖ Contract
 - The contract contains an indication of quantity – it will not be a commitment to buy. For Direct suppliers, the commitment to buy will be via the purchase order.
 - For Full Service Vendors, the contract will be updated with authorisation to cut, which in combination with the approved flow will be our commitment to buy.
- ❖ Purchase Orders & Purchase Order Amendments
 - The purchase order will represent the formal commitment to buy. The original purchase order may be followed by subsequent updates via the Purchase Order Amendment document.
- ❖ Invoices or Self-Bill Invoices
 - For Direct suppliers and FSVs (International), invoices for received Purchase Orders may be sent using the Invoice business document; other Full Service Vendors will be managed using self-billing where M&S will send you the Invoice.
- ❖ Credit / Debit Memo’s

Credit / Debit notes will support adjustments to invoiced amounts where there are mis-matches between the Invoice and goods received.

The table that follows provides you with a summary of the M&S business documents, and those which you will receive depending on which supplier type you are.

Business Document	Direct	FSV Core Product Only	FSV Outlet Product	FSV Int'l Direct Deliveries
Contract	✓	✓	✓	✓
Purchase Order	✓		✓	✓
Purchase Order Amendment	✓		✓	✓
Invoice	✓			✓
Invoice Acknowledgement	✓			✓
Debit Note	✓			✓
Self-Bill Invoice			✓	
Self-Bill Credit Note			✓	

If you have any questions on determining which type of supplier you are, or which business documents you must exchange with M&S, or please [contact us](#) to further discuss the options for you.

1.5.2 Foods Supplier / Trading Partner

M&S has As part of the M&S to supplier trading process, as of the date of this Message Implementation Guide, M&S will utilise the following business documents for its Supplier Trading Partner transactions:

- ❖ Purchase Orders & Purchase Order Amendments

The purchase order will represent the formal commitment to buy. The original purchase order may be followed by subsequent updates via the Purchase Order Amendment document.

- ❖ POD (Proof of Delivery)*

The proof of delivery will notify the suppliers of the actual quantities received by M&S. Suppliers should submit invoices based on these POD quantities.

- ❖ Invoices

Invoices for received Purchase Orders may be sent using the Invoice business document

- ❖ Invoice Acknowledgement

All invoices sent to M&S will be acknowledged. The acknowledgement will provide indication to the M&S processing success or failure. Where the Invoice was not successfully processed it MUST be resubmitted with the required changes.

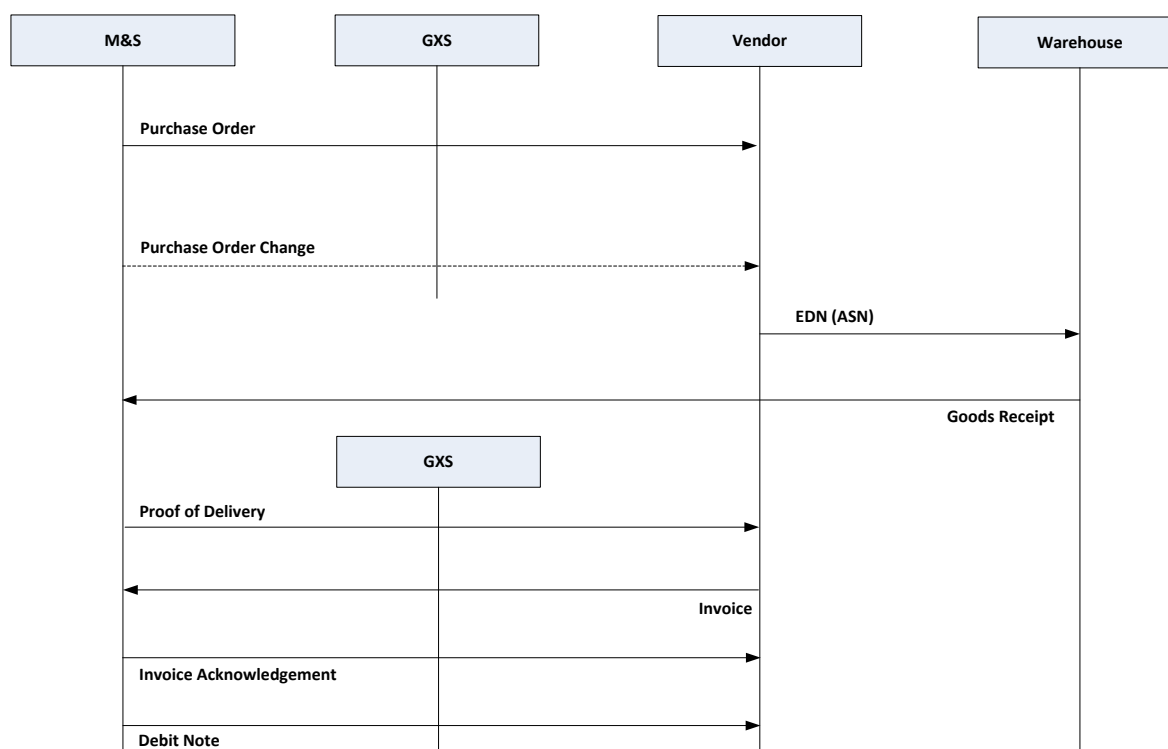
- ❖ Credit / Debit Notes

Credit / Debit notes will support adjustments to invoiced amounts where there are mis-matches between the Invoice and goods received.

For Food suppliers, all messages will be available in both EANCOM and TRADACOM standard.

In addition to the EDI messages being exchanged above, Food Chilled suppliers have been asked to implement the PAV (pick accuracy verification) system and processes, using RFID. Some Food suppliers may already be using PAV. To support the changes we are making, the PAV messages (delivery note messages) will also need to be updated by Food suppliers.

The following provides reference to the information exchanges detailed:



***Note – EDN / ASN is only applicable to Food Suppliers**

**** Note – For GM suppliers Self-Billing is also available for Invoicing**

1.6 Acknowledgements

1.6.1 Technical Acknowledgements

The following provides summary to the use of EANCOM technical acknowledgements:

- ❖ Technical acknowledgements ARE expected to be exchanged for each information exchange – this requirement is to provide clear demarcation of data ownership and to support the process of exception reporting.
- ❖ An acknowledgement of this type MUST only be exchanged when the exchange being acknowledged is a business document; a technical acknowledgement is NOT to be sent in response to another technical OR functional acknowledgement
- ❖ A technical acknowledgement SHOULD detail both positive and negative acceptance of each information exchange
- ❖ The technical acknowledgement is to relate to the information exchange (data file) level i.e. a single acknowledgement for each data file exchanged. Where exceptions exist within a individual data record within the file the acknowledgement MUST specify this level of granularity
- ❖ The CONTRL data model MUST be used for ALL technical acknowledgements

1.6.2 Functional Acknowledgements

The following provides summary to the use of EANCOM functional acknowledgements:

- ❖ Functional acknowledgements ARE recommended to be exchanged for each information exchange – this requirement MUST be agreed to by each Trading Partner and specified by the DOMD.
- ❖ An acknowledgement of this type MUST only be exchanged when the exchange being acknowledged is a business document; a functional acknowledgement is NOT to be sent in response to another functional acknowledgement

- ❖ A functional acknowledgement SHOULD detail both positive and negative functional acceptance of each information exchange
- ❖ The functional acknowledgement SHOULD relate to the information exchange (data file) level i.e. a single acknowledgement for each data file exchanged
- ❖ The APERAK data model MUST be used for ALL functional acknowledgements
- ❖ If an information exchange utilises a business level response e.g. ORDERS and ORDRSP then NO functional response is expected to be utilised

1.7 Interface Definitions

The following provides reference and explanation to the interface definitions:

Property	Explanation
Communication Direction	Details the direction in which the information will be transmitted: M&S to 3 rd Party – M&S will be the sender of the data 3 rd Party to M&S – M&S will be the receiver of the data
EANCOM Version	The version of the EANCOM standard that is to be utilised. All documents will refer to the following version: EANCOM® 2002 Syntax 4 (based on UN/EDIFACT D.01B Syntax 4)
EANCON Document Name	The business name of the EANCOM document to be used as part of the information exchange
EANCOM Document	The EANCOM short name for the business document to be used as part of the information exchange
EANCOM Document Version	The version of the business document to be used
Document Scope	The scope of the data to be passed as part of the information exchange. This will be either Full Record. All data elements associated to the business document will be passed regardless of whether those elements have changed. Changed Elements Only. Only the key elements and those which have changed will be transmitted.
Transmission Frequency	The frequency of when the business documents will be sent and expected to be received Real-time. A document will be sent and processed end-to-end in real-time, or near real-time Daily. Any document sent or received by M&S will be once per day. If more than 1 document is sent or received during that daily period, all documents will done so at the same time
Data Object Definition Reference	Reference to the data object definition within the Information Exchange Data Definition Document.

1.8 Assuring your implementation

Once you have finalised your implementation of the M&S Business Document Definition, GXS will be on-hand to test both compliance of your implementation, along with ensuring that you can successfully connect to your secure mailbox. GXS will work with you to ensure your on-boarding is a success and resolve and issues you encounter with your implementation.



Once these final checks and testing have been completed you will be ready to start exchanging EDI messages with M&S electronically and soon start realising the benefits of using our electronic trading solution.

1.9 M&S Electronic trading solution Support

During the exchange of business documents between M&S and yourself there may be circumstances where the documents are not successfully transmitted, or the data received is not accepted / compliant to that which is expected by either of our systems.

Where business documents failed to be processed by M&S, we will notify you immediately either through automated acknowledgements detailing what the technical or data problem was, or via our business support team who will contact your designated business representative.

If you encounter any problems receiving business documents from M&S, you can contact our support service.

IMPORTANT: If you have any queries regarding the receipt and processing of the business document, please ensure that the technical acknowledgement (CONTRL) message has been sent / received by your company. The support team will request the unique acknowledgement identification number for the transaction to ensure that we can properly investigate the reported.

2 MESSAGE DEFINITION

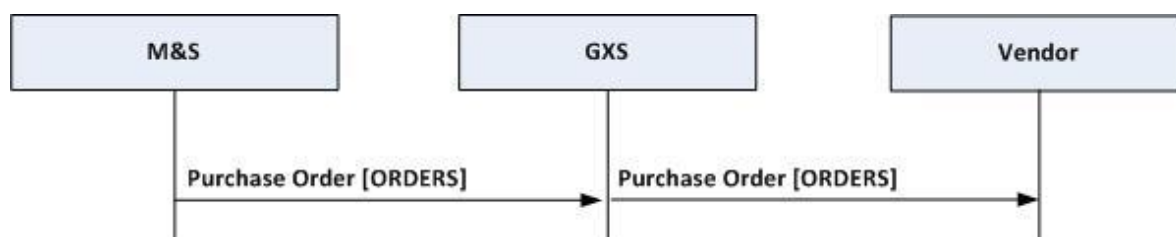
The sections that follow detail the specification of the business document that is the subject of this Message Implementation Guide that M&S will support for electronic information exchange.

2.1 Message Data Flow Summary

The Purchase Order EDI Business Document will distribute Purchase Orders that have been created by M&S – once created internally to M&S these will be published to the 3rd Parties (Vendors). As detailed by the definition in this section, the Purchase Order will contain:

- ❖ The Purchase Order Number and Validity Dates
- ❖ General information about the buyer and supplier including unique identifiers
- ❖ Payment terms and conditions
- ❖ Shipping address and conditions
- ❖ The items to be sourced under the contract agreement previously sent detailing
 - : Unique item identifiers
 - : General descriptions
 - : The required quantities and unit price

For every Purchase Order created the full Purchase Order record will be transmitted. Any amendments to the Purchase Order will be distributed via the Purchase Order Amendment data exchange (see References) – any amendment will also be transmitted as the full data record.



2.2 Message Use-Cases

The Purchase Order message will be used for the following:

- Purchase Order Creation – Singles

M&S will send you, the trading partner a Purchase Order business document with a document code of “220” – Purchase Order Creation. This business document will represent a new Purchase Order. The PO will contain “single” items only – all items will be at line item level.
- Purchase Order Creation – Launch Packs

M&S will send you, the trading partner a Purchase Order business document with a document code of “220” – Purchase Order Creation. This business document will represent a new Purchase Order. The PO will contain “Launch Pack” items only – all Line Item level items will have 1-n associated sub-line items which specify the items which the Launch Pack should contain.

The PO will contain a “Launch Pack Identifier” which will be referenced on the main item line.

*Note – a Launch Pack is a bundled product / article containing multiple individual / single articles.

2.3 Message Specification Reference Guide

The following table provides summary detail to this business document – trading partner must ensure that the correct version of the EANCOM message template is used for its implementation.

Property	Value
Communication Direction	M&S to Trading Partner
EANCOM Version	EANCOM® 2002 Syntax 4
EDIFACT Version Reference	UN/EDIFACT D 2001B Syntax
EANCON Document Name	Purchase Order
EANCOM Document	ORDERS
EANCOM Document Version	001
Document Scope (Full Record/Changed Elements Only)	Full Record
Transmission Frequency	Daily

2.4 Message Definition Summary

Each Business Document Data Definition guide provides the following information:

- Chg Flag. The Chg Flag provides identification of any changes from version to version. Y = Field has changed, N = No Change
- Segment. The EANCOM segment within which the field to populated exists.
- Field/Element Reference. The EANCOM field name to be populated and exchanged.
- Business Description. Business description of the field / element to be used by M&S.
- Min-Max. The number of occurrences of the field being populated.
- Data Type and Length. The data type of the field of the field being populated and the maximum length of the data that is to be expected for the specified field.
- Example Values. Any example values that will be populated by M&S or that M&S would expect to receive in the case where the message is sent by the trading partner.

2.5 Message Definition Guide

2.5.1 EANCOM Interchange Header

Every EANCOM message will require an EANCOM Interchange Header. The interchange MAY contain one or more EANCOM messages of the same type.

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents, and which details, both the address where delivery is to take place and the address from where the envelope has come.

The Interchange Header is defined in the table that follows:

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N	UNB			INTERCHANGE HEADER	1-1		
		S001		Syntax identifier			
N		0001	M a4	Syntax identifier	1-1	UNOA	Definitions the ISO encoding standard of the data.

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		0002	M an1	Syntax version number	1-1	4	
N	UNB	S002		INTERCHANGE SENDER	1-1		
N		0004	M an..35	Interchange sender identification	1-1	501206899993	Unique Company EDI Identifier / Mailbox No.
N		0007	C an..4	Identification code qualifier	1-1	14	
N	UNB	S003		INTERCHANGE RECEIVER	1-1		
N		0010	M an..35	Interchange recipient identification	1-1	000123456789	Unique Company EDI Identifier / Mailbox No.
N		0007	C an..4	Identification code qualifier	1-1	14	
N	UNB	S004		INTERCHANGE CONTROL REFERENCE	1-1		
N		0017	M an..35	Date of Interchange	1-1	0090903	CCYYMMDD
N		0019	C an..4	Time of Interchange	1-1	1032	HHMM
N	UNB			INTERCHANGE CONTROL REFERENCE	1-1		
N		0020	M an..14	Unique reference identifying the interchange. Created by the interchange sender.	1-1	00000000000161	Unique message interchange identifier.
N	UNB			APPLICATION REFERENCE	1-1		
N		0026	C an..14	Message identification if the interchange contains only one type of message.	1-1	ORDERS	Reference of the EANCOM business document

An example of the Interchange Header is provided for reference:

UNB+UNOA:4+000987654321:EAN+000123456789:EAN+20090903:1032+00000000000161++ORDERS'

2.5.2 EANCOM Business Document Definition

The Purchase Order message is implemented using the EANCOM ORDERS data template. Further information regarding the base template can be found at the following location:

http://www.gs1.se/eancom_2002/ean02s4/experts/index.htm

The M&S usage of that template is defined below:

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N	UNH			HEADER	1-1		
N		0062	AN 14	Message reference number	1-1		
N		S009		MESSAGE IDENTIFIER	1-1		
N		0065	AN 6	Message type	1-1	ORDERS	

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		0052	AN 3	Message version number	1-1	D	
N		0054	AN 3	Message release number	1-1	01B	
N		0051	AN 3	Controlling agency, coded	1-1	UN	
N		0057	AN 6	Association assigned code	1-1	EAN010	
N	BGM			BEGINNING OF MESSAGE	1-1		
N		C002		DOCUMENT/MESSAGE NAME	1-1		PO REFERENCE NUMBER
N		1001	AN 3	Document name code	1-1	220	GM / Foods Default = 220 (New Order) Foods Only = 224 (Rush order-For Customer Orders)
N		1000	C an35	Document Name / Purchase Order Type	1-1	ZP1	One of the following values: GM: ZP1, ZP3, ZP4, ZP5, ZP6 Foods: ZP8, ZP9, ZP10, ZP12, ZP13, ZP14 See guidance notes for further information
N		C106		DOCUMENT/MESSAGE IDENTIFICATION	1-1		
N		1004	An 35	Purchase Order Document Reference identifier	1-1		This is the Purchase Order reference number
N		1225	AN 3	Message function code	1-1	9	9 - Original (New Purchase Order)
N		4343	AN 3	Response type code	1-1	NA	No acknowledgement needed
N	DTM	C507		DATE/TIME/PERIOD	1-1		PO CREATE DATE
N		2005	AN 3	Date or time or period function code qualifier	1-1	137	Default = 137 (Document/message date/time)
N		2380	AN 35	PO Creation Date or time or period value	1-1	20091225 1821	PO Creation date
N		2379	AN 3	Date or time or period format code	1-1	203	Default = 203
N	DTM	C507		DATE/TIME/PERIOD	1-1		PO SHIPMENT DATE
N		2005	AN 3	Date or time or period function code qualifier	1-1	10	Default = 10 (Requested Shipment Date)

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		2380	AN 35	Shipment Date	1-1	20091217	
N		2379	AN 3	Date or time or period format code	1-1	102	Default = 102 : CCYYMMDD
N	DTM	C507		DATE/TIME/PERIOD	0-1		REQUESTED PO DELIVERY DATE - FOODS ONLY
N		2005	AN 3	Date or time or period function code qualifier	1-1	10	Default = 2 (Requested Delivery Date)
N		2380	AN 35	Shipment Date	1-1	20091217	
N		2379	AN 3	Date or time or period format code	1-1	102	Default = 102 : CCYYMMDD
N	PAI	C534		PAYMENT INSTRUCTIONS	1-1		PAYMENT DETAILS
N		4461	AN 3	Method of Payment	1-1	20 42 74 "" (Blank)	
N	SG1-FTX			FREE TEXT	1-1		
N		4451	AN 3	Text subject code qualifier	1-1	PUR	Default = PUR : Purchasing information
N		4453	AN 3	Free text function code	1-1	3	Default = 3 : Text for immediate use
N		C108		REFERENCE	1-1		
N		4440	AN 152	Season reference	0-1	SP09	Provides Season Reference for the PO (GM ONLY)
N		4440	AN 152	Season year	1-1	2009	Provides Season year
N	SG1-FTX			FREE TEXT	0-1		FOODS ONLY
N		4451	AN 3	Text subject code qualifier	1-1	ZZZ	Default = ZZZ : Purchasing information
N		4453	AN 3	Free text function code	1-1	3	Default = 3 : Text for immediate use
N		C108		REFERENCE	1-1		
N		4440	AN 152	Season reference	0-1	MORNING	Provides booking slot information. Valid values: "MORNING", "AFTERNOON", or ""
N	SG1-FTX			FREE TEXT	0-1		FOODS ONLY
N		4451	AN 3	Text subject code qualifier	1-1	DEL	Default = DEL : Purchasing information
N		4453	AN 3	Free text function code	1-1	3	Default = 3 : Text for immediate use
N		C108		REFERENCE	1-1		
N		4440	AN 152	Special delivery instructions	0-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N	SG1-FTX			FREE TEXT	0-1		FOODS ONLY
N		4451	AN 3	Text subject code qualifier	1-1	PRI	Default = PRI
N		4453	AN 3	Free text function code	1-1	3	Default = 3 : Text for immediate use
N		C108		REFERENCE	1-1		
N		4440	AN 152	Priority Information	0-1		
N	RFF	C506		REFERENCE	0-1		
N		1153	AN 3	User Defined Reference code qualifier	1-1	DM	Default = DM (Unique Document Reference)
N		1154	AN 70	Unique ID for traceability purposes	1-1	00000000 01517731	
N	RFF	C506		REFERENCE	0-1		GM ONLY
N		1153	AN 3	User Defined Reference code qualifier	1-1	ZZZ	Default = ZZZ (Self Bill Indicator)
N		1154	AN 70	Self-Bill Indicator	1-1	Y N	If the Indicator value = Y then you MUST NOT send an Invoice to M&S for this PO.
N	SG2-NAD			Name and address	1-1		M&S Parent Company Identifier and Address Information
N		3035	AN 3	Party function code qualifier	1-1	BY	Default = BY, Buyer
N		C082		PARTY IDENTIFICATION DETAILS	1-1		
N		3039	AN 35	M&S Party identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N		C080		PARTY NAME	1-1		
N		3036	AN 35	Party name	1-1	Marks and Spencer	
N		3036	AN 35	Party name	1-1		
N	NAD	C059		STREET	1-1		
N		3042	AN 35	Name and address description	0-1	17 NORTH WHARF ROAD	
N		3164	AN 35	City Name	0-1	LONDON	
N		3251	AN 17	Postal Code	0-1	W2 1AF	
N		3207	AN 3	Country Name Code	0-1	GB	
N	LOC			Place/location identification	1-1		Shipping Location / Place of Delivery

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		3227	AN 3	Place of Delivery	1-1	7	Default = 7 : Place of delivery
N		C517		LOCATION IDENTIFICATION	1-1		
N		3224	AN 256	Location name & Address	1-1		
N	SG5-CTA			CTA-COM			Buyer Contact information
N		3139	AN 3	Contact function code	1-1	BJ	Default =BJ, Department or person responsible for processing purchase order
N		C056		DEPARTMENT OR EMPLOYEE DETAILS			
N		3413	AN 17	Department or employee name code	1-1	T74	Department Code
N		3412	AN 35	Department or employee name	1-1	Menswear	Name of Department
N	SG2-NAD			Name and address	1-1		Supplier Identifier and Address Information
N		3035	AN 3	Party function code qualifier	1-1	SU	Default = SU (Supplier)
N	NAD	C082		PARTY IDENTIFICATION DETAILS	1-1		
N		3039	AN 35	Supplier Party identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N	NAD	C080		PARTY NAME	1-1		
N		3036	AN 35	Supplier Party Name	1-1		
N		3036	AN 35	Supplier Party Name	0-1		
N	NAD	C059		STREET	1-1		
N		3042	AN 35	Name and address description	1-1		
		3042	AN 35	Name and address description	0-1		
N		3164	AN 35	City Name	0-1	LONDON	
N		3251	AN 17	Postal Code	1-1	SW11 9LA	
N		3207	AN 3	Country Name Code	0-1	GB	
N	SG2-NAD			Name and address			Supplier Manufacturing / Factory Identifier and Address Information
N		3035	AN 3	Party function code qualifier	1-1	MP	Default = MP

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		C082		PARTY IDENTIFICATION DETAILS			
N		3039	AN 35	Country of Factory / Manufacturing Plant Identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N	NAD	C080		PARTY NAME			
N		3036	AN 35	Supplier Party Name	1-1		
N		3036	AN 35	Supplier Party Name	0-1		
N	NAD	C059		STREET			
N		3042	AN 35	Name and address description	0-1		
N	NAD	3164	AN 35	City Name	0-1	LONDON	
N		3251	AN 17	Postal Code	0-1	SW11 9LA	
N		3207	AN 3	Country Name Code	0-1	GB	
N	RFF	C506		SUPPLIER VAT REFERENCE	0-1		This reference is optional and MAY not be populated. If NOT populated the Supplier must provide themselves on the inbound Invoice (only if UK VAT Registered)
N		1153	AN 3	VAT Registration. User Defined Reference code qualifier	1-1	VA	VA = VAT Reference
N		1154	AN 70	Supplier VAT Registration Number	1-1		
N	NAD			Name and address	0-1		Agent Identifier and Address Information
N		3035	AN 3	Party function code qualifier	1-1	AG	Default = AG (Agent)
N		C082		PARTY IDENTIFICATION DETAILS			
N		3039	AN 35	M&S Agent Identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N	NAD	C080		PARTY NAME			
N		3036	AN 35	Agent Party Name	1-1		
N		3036	AN 35	Agent Party Name	0-1		
N	NAD	C059		STREET			
N		3042	AN 35	Name and address	1-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
				description			
N		3164	AN 35	City Name	0-1	LONDON	
N		3251	AN 17	Postal Code	1-1	SW11 9LA	
N		3207	AN 3	Country Name Code	1-1	GB	
N	NAD			Name and address	0-1		FREIGHT FOWARDING AGENCY
N		3035	AN 3	Party function code qualifier	1-1	FW	Default = FW (Freight Forwarder)
N		C082		PARTY IDENTIFICATION DETAILS			
N		3039	AN 35	Freight Forwarding Agency Identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N	NAD	C080		PARTY NAME			
N		3036	AN 35	Supplier Party Name	1-1		
N		3036	AN 35	Supplier Party Name	0-1		
N	NAD	C059		STREET			
N		3042	AN 35	Name and address description	0-1		
N	NAD	3164	AN 35	City Name	0-1	LONDON	
N		3251	AN 17	Postal Code	1-1	SW11 9LA	
N		3207	AN 3	Country Name Code	0-1	GB	
N	SG7 - CUX	C504		CURRENCY DETAILS	1-1		Currency of the Order
N		6347	AN 3	Currency usage code qualifier	1-1	2	Default = 2 : Reference currency
N		6345	AN 3	Currency identification code	1-1	GBP	ISO Codes
N		6343	AN 3	Currency type code qualifier	1-1	9	Default = 9 : Order currency
N	SG7 - CUX	C504		CURRENCY DETAILS	1-1		Currency of the Payment
N		6347	AN 3	Currency usage code qualifier	1-1	3	Default = 3 : Reference currency
N		6345	AN 3	Currency identification code	1-1	GBP	
N		6343	AN 3	Currency type code qualifier	1-1	11	Default = 11 : Payment currency
N	SG8-PAT			PAYMENT TERMS BASIS			PAYMENT TERM DETAILS
N		4279	AN 3	Payment terms type code qualifier	1-1	1	
N		C110		PAYMENT TERMS			
N		4277	AN 17	Payment terms description identifier	1-1	6	

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		3055	AN 3	Code list responsible agency code	1-1	86	
N		4276	AN 35	Payment terms description (days)	1-1	30	Example – 30 Days
N		C112		TERMS/TIME INFORMATION			SHIPMENT DATE
N		2475	AN 3	Time reference code - Shipment Date	1-1	81	
N	PCD	C501		PERCENTAGE DETAILS			
N		5245	AN 3	Percentage type code qualifier	1-1	12	Default = 12: Discount
N		5482	N 10	Percentage	1-1		
N		5249	AN 3	Percentage basis identification code	1-1	13	Default = 13 Invoice Value (% Discount)
N	SG10-TDT	TDT		TDT-SG11	1-1		SHIPMENT METHOD DETAILS
N		8051	AN 3	Transport stage code qualifier	1-1	20	Default = 20 : Main-carriage transport
N		C220		MODE OF TRANSPORT			
N		8067	AN 3	Transport mode name code	1-1	10 30 40 "" (Blank)	Standard EANCOM codes
N		C228		MODE OF TRANSPORT			
N		8178	AN 17	Transport means description	1-1	Ship Road Air	
N		C040		CARRIER			
N		8101	AN 3	Transit direction indicator code	1-1	SB	Default value = "SB"
N	SG11-LOC			Location Details	1-1		Place of Discharge
N		3227	AN 3	Location qualifier	0-1	11	Default = 11 (Place of Discharge)
N		C517		Location			
N		3224	AN 256	Location Description	0-1		Name of location
N	SG12-TOD			Terms of delivery or transport	1-1		
N		4055	AN 3	Delivery or transport terms function code	1-1	3	Default = 3 (Price and despatch condition)
N		C100		TERMS OF DELIVERY OR TRANSPORT			
N		4053	AN 3	Delivery or transport terms description code	1-1		
N		4052	AN 70	Delivery or transport terms description	1-1		
N	SG28			LINE ITEM DETAILS			The Line Items of the PO will appear here
N	LIN				1-N		
N		1082	AN 6	Line item identifier	1-1		
N		C212		ITEM NUMBER IDENTIFICATION	1-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		7140	AN 35	Item identifier	1-1	4270379	Article UPC Number
N		7143	AN 3	Item type identification code	1-1	SRV	Default = SRV : EAN.UCC Global Trade Item Number
N		C829		SUB-LINE INFORMATION	0-1		
N		5495	AN 3	Sub-line indicator code	1-1	1	See Notes.
N		1082	AN 6	Line item identifier	1-1	00001	IF sub-line identifier = 1 then Item Line Identifier populated with related Line Item
N	PIA			Additional product id	1-1		
N		4347	AN 3	Product identifier code qualifier	1-1	5	Default = 5 : Product identification
N		C212		ITEM NUMBER IDENTIFICATION	1-1		
N		7140	AN 35	Item identifier	1-1		
N		7143	AN 3	Item type identification code	1-1	IN	Default = IN : Buyer's item number
N		3055	AN 3	Code list responsible agency code	1-1	86	Default = 86 : Party originating the message
N	PIA			Additional product id	0-1		GM ONLY Launch Pack Identifier
N		4347	AN 3	Launch Pack Identifier	1-1	1	If this value is populated the Item is a Launch Pack item.
N		C212		ITEM NUMBER IDENTIFICATION			
N		7140	AN 35	Launch Pack Item identifier	1-1		
N		7143	AN 3	Item type identification code	1-1	GB	Default = GB : Buyer's Group Number
N		3055	AN 3	Code list responsible agency code	1-1	86	Default = 86 : Party originating the message
N	IMD			Item description	0-1		GM ONLY Colour Description
N		7077	AN 3	Description format code	1-1	E	Default = E : Free-form short description
N		C272		ITEM CHARACTERISTIC	1-1		
N		7081	AN 3	Item Characteristic code - Colour Description	1-1	35	Default = 35 (Colour)
N		C273		ITEM DESCRIPTION	1-1		
N		7008	AN 256	Item description - Colour Code	1-1	Y4	
N		7008	AN 256	Item description - Colour Name	1-1	Red	
N	IMD			Item description	0-1		GM ONLY Size Description

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		7077	AN 3	Description format code	1-1	E	Default = E : Free-form short description
N		C272		ITEM CHARACTERISTIC	1-1		
N		7081	AN 3	Item Characteristic code (Size)	1-1	98	Default = 98 :Size
N		C273		ITEM DESCRIPTION			
N		7008	AN 256	Item description - Primary Size	1-1	10M	Primary Size
N		7008	AN 256	Item description - Secondary Size	1-1	8M	Secondary Size
N	IMD			Item description	0-1		GM ONLY Stroke Description
N		7077	AN 3	Description format code	1-1	E	Default = E : Free-form short description
N		C272		ITEM CHARACTERISTIC	1-1		
N		7081	AN 3	Item Characteristic code (Stroke)	1-1	79	
N		C273		ITEM DESCRIPTION	1-1		
N		7008	AN 256	Item description	1-1		
N	IMD			Item description	0-1		FOODS ONLY Product Description
N		7077	AN 3	Description format code	1-1	F	Default = F : Free-form long description
N		C273		ITEM DESCRIPTION	1-1		
Y		3055	AN 3	Code list	1-1	9	
N		7008	AN 256	Item description	1-1	Espresso Dark Roast	
N	QTY	C186		QUANTITY DETAILS	1-1		
N		6063	AN 3	Quantity type code qualifier	1-1	21	Default = 21 : Ordered quantity
N		6060	AN 35	Quantity	1-1	500	
N		6411	AN 3	Measurement unit code	1-1	EA	Default = EA
N	QTY	C186		QUANTITY DETAILS	0-1		FOODS ONLY
N		6063	AN 3	Quantity type code qualifier	1-1	21	Default = 21 : Ordered quantity
N		6060	AN 35	Quantity	1-1	500	
N		6411	AN 3	Measurement unit code	1-1	GRM	Default = GRM
N	ALI			Additional information	0-1		GM ONLY
N		9213	AN 3	Duty regime type code	1-1	2 3	
N	DTM	C507		DATE/TIME/PERIOD	0-1		Pickup/Collection Date FOODS ONLY

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		2005	AN 3	Date or time or period function code qualifier	1-1	200	Default = 200 (Pickup/Collection Date)
N		2380	AN 35	Shipment Date	1-1	20091217	
N		2379	AN 3	Date or time or period format code	1-1	102	Default = 102 : CCYYMMDD
N	DTM	C507		DATE/TIME/PERIOD	0-1		Delivery Date / Time FOODS ONLY
N		2005	AN 3	Date or time or period function code qualifier	1-1	63	Default = 63 (Delivery Date)
N		2380	AN 35	Shipment Date	1-1	20091217	
N		2379	AN 3	Date or time or period format code	1-1	102	Default = 102 : CCYYMMDD
Y	DTM	C507		DATE/TIME/PERIOD	0-1		Estimated Display Until Date / Time FOODS ONLY
Y		2005	AN 3	Date or time or period function code qualifier	1-1	361	Default = 361 (Best Before Date)
Y		2380	AN 35	Best Before Date	1-1	20101217	
Y		2379	AN 3	Date or time or period format code	1-1	102	Default = 102 : CCYYMMDD
N	MOA	C516		MONETARY AMOUNT	1-1		
N		5025	AN 3	Monetary amount type code qualifier	1-1	203	
N		5004	N 35	Monetary amount - Total Cost of the Line Item	1-1	20.33	
N	FTX			Free text	0-1		GM ONLY
N		4451	AN 3	Text subject code qualifier - Reason for the change to the line	1-1	CHG	
N		4453	AN 3	Free text function code	1-1	1	
N		C108		TEXT LITERAL			
N		4440	AN 152	Free text value - Reason Code	1-1	Z000	
N		4440	AN 152	Free text value - Reason Description	1-1	FIRST VERSION, CREATE	
N	FTX			Free text	0-1		FOODS ONLY
N		4451	AN 3	Text subject code qualifier -	1-1	PUR	Default = PUR
N		C108		TEXT LITERAL			
N		4440	AN 152	Free text value - Additional Purchasing Information	1-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N	FTX			Free text	0-1		FOODS ONLY – Season Year (Wines)
N		4451	AN 3	Text subject code qualifier -	1-1	ZZZ	Default = ZZZ
N		C108		TEXT LITERAL			
N		4440	AN 152	Free text value	1-1	VIN 2006	VIN prefixed with year
N	FTX			Free text	0-5		FOODS ONLY – CUSTOMER ORDERS
N		4451	AN 3	Text subject code qualifier -	1-1	ORI	Default = ORI
N		C108		TEXT LITERAL			
N		4440	AN 152	Free text value – Order Special Instructions / information	1-1		
N		4440	AN 152	Free text value – Order Special Instructions / information	1-1		
N		4440	AN 152	Free text value – Order Special Instructions / information	1-1		
N		4440	AN 152	Free text value – Order Special Instructions / information	1-1		
N	SG32			PRI-CUX-DTM	1-1		
N	PRI	C509		PRICE INFORMATION	1-1		
N		5125	AN 3	Price code qualifier	1-1	AAA	Default = AAA : Calculation net
N		5118	N 15	Price amount – Supplier Cost	1-1	20.12	
N		5375	AN 3	Price type code	1-1	CT	Default = "CT" (Contract)
N		5387	AN 3	Price specification code	1-1	NTP	Default = "NTP" (Net Unit Price)
N		5284	N 9	Unit price basis value	1-1	19.34	
N		6411	AN 3	Measurement unit code	1-1	EA	EA GRM (Foods) KGM (Foods)
N	CUX	C504		CURRENCY DETAILS			
N		6347	AN 3	Currency usage code qualifier	1-1	2	2 = Reference currency
N		6345	AN 3	Currency identification code	1-1	GBP	Standard ISO
N		6343	AN 3	Currency type code qualifier	1-1	9	Default value = 9 (Order Currency)
N	RFF	C506		REFERENCE	0-1		FOODS ONLY
N		1153	AN 3	User Defined Reference code qualifier	1-1	ON	Default = ON
N		1154	AN 70	Order number	1-1		Order number
N	SG34			PAC-QTY-SG36	0-1		
N	PAC	C531		PACKAGING DETAILS	1-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		7075	AN 3	Packaging level code	1-1	1 2	Default 1=Inner, 2=Outer
N		C202		PACKAGE TYPE			Inbound Transit Mode
N		7065	AN 17	Package type description code	1-1	CS	CS = Case BME = Blister Pack DPE = Display Pack RJ = Hanging PU = Tray (Foods)
N	QTY	C186		QUANTITY DETAILS	0-1		
N		6063	AN 3	Quantity type code qualifier	1-1	52	52 = Qty Per Pack
N		6060	AN 35	Quantity	1-1	34	
N		6411	AN 3	Measurement unit code	0-1	EA	
N	SG38-TAX			TAX-MOA			
N		5283	AN 3	Duty or tax or fee function code qualifier	1-1	7	Default = 7 : Tax
N		C241		DUTY/TAX/FEE TYPE			
N		5153	AN 3	Duty or tax or fee type name code	1-1	VAT	Default = VAT :Value added tax
N		C243		DUTY/TAX/FEE DETAIL			
N		5278	AN 17	Duty or tax or fee rate	1-1	17.5	E.g. 17.5%
N		5305	AN 3	Duty or tax or fee category code	1-1	S	Default = S : Standard rate E = Exempt A = Mixed
N	MOA	C516		MONETARY AMOUNT			
N		5025	AN 3	Monetary amount type code qualifier	1-1	124	Default = 124 :Tax amount
N		5004	N 35	Monetary amount	1-1	190.59	
N	SG39-NAD			Name and address	0-1		FOODS ONLY
N		3035	AN 3	Party function code qualifier	1-1	UD	Default = UD, Ultimate Customer
N		C082		PARTY IDENTIFICATION DETAILS	1-1		
N		3039	AN 35	M&S Party identifier	1-1		
N		3055	AN 3	Code list responsible agency code	1-1	9	Default = 9
N		C080		PARTY NAME	1-1		
N		3036	AN 35	Party name	1-1		
N	<Summary>						
N	UNS			Message trailer	1-1		

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N		0081	A 1	S = Detail/summary section separation	1-1	S	Default = S: Detail/Summary section
N	MOA	C516		MONETARY AMOUNT			
N		5025	AN 3	Monetary amount type code qualifier	1-1	79	Default = 79 : Total line items amount
N		5004	N 35	Monetary amount	1-1	1089.12	
N	CNT	C270		MONETARY AMOUNT			
N		6069	AN 3	Monetary amount type code qualifier	1-1	2	Default = 2 :Number of line items in message
N		6066	N 18	Monetary amount	1-1	24	
N		6411	AN 3	Measurement unit code	1-1	EA	EA KGM GRM
N	UNT			Message trailer			
N		0074	N 10	Number of segments in a message	1-1		
N		0062	AN 14	Message reference number	1-1		

An example of the Interchange Detail segments is provided for in Section 4 Understanding EDIFACT / EANCOM for reference.

2.5.3 EANCOM Interchange Trailer

Every EANCOM message will require an EANCOM Interchange Trailer. The UNZ segment is used to provide the trailer of an interchange.

The Interchange Trailer is defined in the table that follows:

	Segment	Field Ref	Field Length	Description	Min-Max	Example Value	Notes
N	UNZ			INTERCHANGE TRAILER	1-1		
N		0074	M n.6	Number of messages or functional groups within an interchange.	1-1	1	
N		0002	M an14	Interchange control reference	1-1	00000000 000161	Identical to DE 0020 in UNB segment

An example of the Interchange Header is provided for reference:

UNZ+1+00000000000161'

2.6 Guidance Notes

2.6.1 Address Information

M&S will send all the relevant addresses on the PO creation where possible. Those addresses marked optional (0-1) may be transmitted or changed on this PO Amendment document.

2.6.2 Item Identifiers

M&S will distribute unique product codes (UPC) for each of its items. In the short-term these will be 8 digit codes, however will transition to fully qualified 14 digit GTIN compliant with GS1 product identifiers. The target 14 digit GTIN will contain the 8 digit M&S UPC code for ease of future transition. Your implementation must be able to manage the future requirement.

2.6.3 PO Type Identifiers

A type of purchase can be identified through the value provided in the BGM segment. The value will be one of the following and should inform your own distribution and processing of the PO.

<i>EANCOM Message Value</i>	<i>Associated PO Type</i>
ZP1	UK GM Direct
ZP3	GM International Hub - FSV
ZP4	GM International Hub - Direct
ZP5	GM UK Outlets
ZP6	GM UK Manual
ZP8	Food UK
ZP9	Food Customer Order
ZP10	Food International
ZP12	Food PO for Non Advice GR
ZP13	Food PO (Wines)
ZP14	Food Clonshaugh PO

2.6.4 Self Bill Invoice Flag

For those whom are using the self-bill option the Purchase Order will specify which Purchase Orders are subject to the self-bill option; an indicator is provided in the RFF segment of the PO header.

If the indicator value = Y, you must NOT send M&S an invoice for this Purchase Order; if you mistakenly send an Invoice for a self bill purchase order we will reject this Invoice and send you the Self-Bill Invoice.

2.6.5 Launch Pack Purchase Orders & Identifiers (GM ONLY)

A purchase order will either be for an order of singles items, OR launch pack items – an individual purchase order will not contain both.

The launch packs can be identified by each of the main line items indicated by the presence of a second PIA segment with an identifier of “1” as shown in the example.

PIA+1+11:GB::86'

If this segment is present the line item is the launch pack, and the following sub-line items are the single articles that should be contained within the launch pack.

2.6.6 Line Items / Sub-Line Items

For singles article-based purchase orders, only line items will be published on the purchase order detailing the Variant article – M&S will not send the Generic article UPC as a line item. Please note that the Variant line items will reference a parent line item which is an originating reference to the Generic article.

For launch pack purchase orders, there will be a line / sub-line relationship where the launch pack UPC will be published as the line item (identified by PIA+1 as above). The singles within the launch pack will be detailed as the sub-line items, but will reference the main line item number (see examples).

2.6.7 Item Line Qty

The Qty Segment on the line item will provide the differing quantities when the following scenarios are true

- ❖ Singles PO. The Qty segment on the line item provides the total quantity of singles for that line item
- ❖ Launch Pack PO – Line Item. The quantity segment on the line item provides the total quantity of that particular Launch Pack item
- ❖ Launch Pack PO – Sub-Line Item. The quantity segment on the sub-line item provides the total quantity of single items for ALL Launch Pack items. The total number of singles per pack MUST be calculated by the Trading Partner using the following:

Singles Per Launch Pack = Total Number Singles / Total Number of Launch Packs


3 COMPLIANCE TESTING

3.1 Test Cases

The following test cases are required for the testing of this EDI Business Document.


3.1.1 PO_ORDERS_001

This test condition is to test ensure the implementation compliance for the PO Creation functional use case. Your implementation must be able to process the example test file. Note: at the time of creation there maybe varying levels of information available on the Purchase Order; all mandatory fields will be present.

<i>Property</i>	<i>Definition / Reference</i>
Test Case Reference	PO_ORDERS_001
Business Context	Create Purchase Order – Singles
Functional Requirement	The creation of a Purchase Order for a Direct/FSV Supplier for singles only
Applies To	Direct Supplier FSV Outlets FSV International
Test Case Definition	<p>Purchase Order sent to GXS and Vendor mailbox determined by Vendor No.</p> <p>Purchase Order forwarded to Vendor and created within Vendor business system.</p> <p>Purchase Order contains the following information:</p> <ul style="list-style-type: none"> - Vendor Number, Name & Address - Incoterm - PO Number, Issue Date - Shipment Date, Factory - Vendor Number, Series Number, Dept, Point of Export, Destination, Mode of transport, Inbound Transit mode, Freight Forwarder - Season, Payment Currency, Method of Payment, Payment terms, Tax Code - Singles Items and quantities <p>GM Purchase Orders differ between Clothing and Home in that Agent Fee, Agent Name and Agent Address will only be populated on a Home PO.</p>
Outcome	<p>Purchase order sent to Vendors via GXS.</p> <p>Technical acknowledgement is received from the Vendor acknowledging successful delivery of the message to the Vendor.</p>
Test File Reference	<p>PO_ORDERS_001.edi</p>  <p>PO_ORDERS_001.edi</p> <p>i</p>

3.1.2 PO_ORDERS_002

This test condition is to test ensure the implementation compliance for the PO Creation (Launch Packs) functional use case. Your implementation must be able to process the example test file. Note: at the time of creation there maybe varying levels of information available on the Purchase Order; all mandatory fields will be present.

Property	Definition / Reference
Test Case Reference	PO_ORDERS_002
Business Context	Create Purchase Order – Launch Packs
Functional Requirement	The creation of a Purchase Order for a Direct/FSV Supplier for Launch Packs only
Applies To	Direct Supplier FSV Outlets FSV International
Test Case Definition	<p>Purchase Order sent to GXS and Vendor mailbox determined by Vendor No.</p> <p>Purchase Order forwarded to Vendor and created within Vendor business system.</p> <p>Purchase Order contains the following information:</p> <ul style="list-style-type: none"> - Vendor Number, Name & Address - Incoterm - PO Number, Issue Date - Shipment Date, Factory - Vendor Number, Series Number, Dept, Point of Export, Destination, Mode of transport, Inbound Transit mode, Freight Forwarder - Season, Payment Currency, Method of Payment, Payment terms, Tax Code - Launch Pack identifier populated (PIA id = “1”) - Launch Pack Items and Sub-Line Items (Singles Items) and quantities <p>GM Purchase Orders differ between Clothing and Home in that Agent Fee, Agent Name and Agent Address will only be populated on a Home PO.</p>
Outcome	<p>Purchase order sent to Vendors via GXS.</p> <p>Technical acknowledgement is received from the Vendor acknowledging successful delivery of the message to the Vendor.</p>
Test File Reference	<p>PO_ORDERS_002.edi</p>  <p>PO_ORDERS_002.edi</p> <p>i</p>

4 UNDERSTANDING EDIFACT / EANCOM

4.1 WHAT IS EDIFACT?

UN/EDIFACT: United Nation's Directories 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, particular as related to trade in goods and services, between independent, computerised information systems.

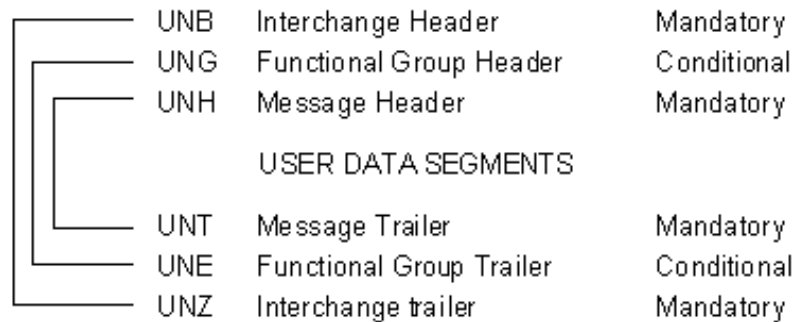
All EANCOM[®] 2002 messages used by Marks and Spencer are based on the UN/EDIFACT directory D.01B which was released by UN/CEFACT in 2001.

4.2 EANCOM Message Structure

Each EANCOM message will have the following structure:

- ❖ Interchange / Envelope Header (UNB)
- ❖ Message Header Section (UNH)
- ❖ Detail Section (Any)
- ❖ Summary Section (UNT)
- ❖ Interchange / Envelope Trailer (UNZ)

The structure is shown the figure that follows:



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 and will contain the business data i.e. contract, purchase order etc.
- ❖ 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

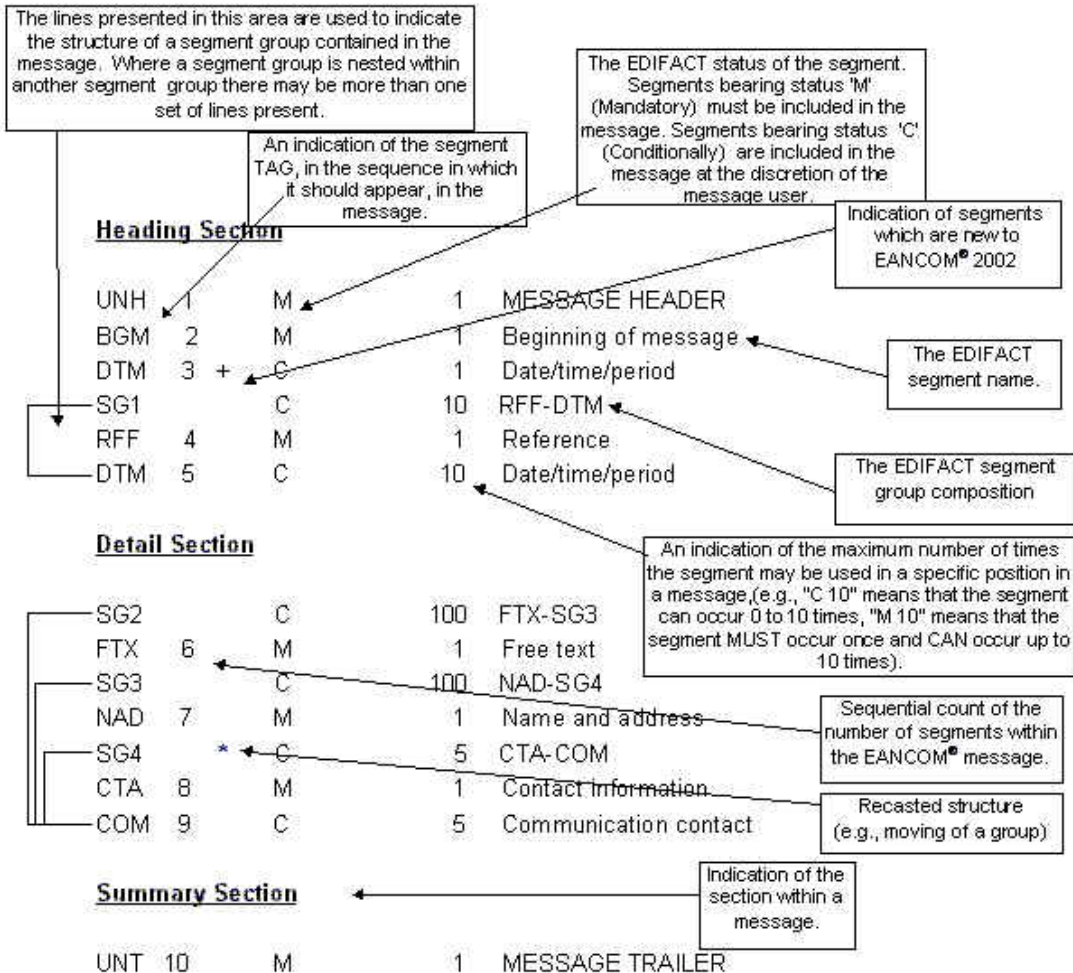
4.2.1 Segments and Segment Groups

The same segment type may occur in more than one of the message sections, for example 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. The following taken from the EANCOM standard itself provides reference to the message structure with segments and segment groups.



A segment consists of the following:

- ❖ A segment tag: identifies the segment type
- ❖ Data element separators
- ❖ Simple and/or composite 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.

4.3 Example EANCOM Message

4.3.1 Singles Order

Provided for reference is an example EANCOM message – note this is an example only.

```

UNB+UNOA:4+5012068015509:14+44893672138+20100202:0831+00000000000111+   +ORDERS++1'
UNH+00000000000059+ORDERS:D:01B:UN:EAN010'
BGM+220::: ZP1+2010000658+9+NA'
DTM+137:20100201:102'
DTM+10:20101116:102'
PAI:::42'
FTX+PUR+3++AU09:2009'
RFF+DM:0000000003282752'
RFF+ZZZ:N'
NAD+BY+1000::9++MARKS AND SPENCER GROUP PLC+NORTH WHARF ROAD , WATERSIDE
HOUSE+LONDON++W2 1NW+GB'
LOC+7+:::0207SRI LANKA INTERNATIONAL HUB'
CTA+BJ+T28:MENS LEISUREWEAR'
NAD+SU+M08457::9++ SUPPLIER NAME++GAZIPUR++1712'
NAD+MP+1000000247::9++FACTORY A ++CHITTAGONG++4223+BD'
NAD+FW+1300000001::9++APLL+WYNDHAM HOUSE, 6TH FLOOR, 189 MARSH+LONDON++E19 9SH+GB'
CUX+2:USD:9+3:USD:11'
PAT+1+6::86:0+81'
PCD+12:0:13'
TDT+20++10+:SEA++SB'
LOC+11+:::CGP'
TOD+3++FOB:::FOB'
LIN+00011++6655174:SRV+1:00010'
PIA+5+000000020030396001:IN::86'
IMD+E+35+:::UT:GREY MARL'
IMD+E+98+:::XXXL'
IMD+E+79+:::1102X BASIC CREW SWEAT UT, XXXL'
QTY+21:10.000:EA'
ALI++3'
MOA+203:94.5'
FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
PRI+AAA:94.5:CT:NTP:9.45:KGM'
CUX+2:USD:9'
PAC++1+RJ'
QTY+52:1:DIS'
TAX+7+VAT+++:::0+S'
MOA+124:0'

```

UNS+S'
 MOA+79:94.5'
 CNT+2:1'
 UNT+38+00000000000059'
 UNZ+1+00000000000111'

4.3.2 Launch Pack Order

Provided for reference is an example EANCOM message – note this is an example only.

UNB+UNOA:4+5012068015509:14+44893672138+20100123:0831+00000000000057+ +ORDERS++1'
 UNH+00000000000032+ORDERS:D:01B:UN:EAN010'
 BGM+220::: ZP1+2010000602+9+NA'
 DTM+137:20100122:102'
 DTM+10:20101116:102'
 PAI:::42'
 FTX+PUR+3++SP10:2010'
 RFF+DM:000000003270869'
 RFF+ZZZ:Y'
 NAD+BY+1000::9++MARKS AND SPENCER GROUP PLC+NORTH WHARF ROAD , WATERSIDE
 HOUSE+LONDON++W2 1NW+GB'
 LOC+7+:::0207SRI LANKA INTERNATIONAL HUB'
 CTA+BJ+T28:MENS LEISUREWEAR'
 NAD+SU+M08457::9++ SUPPLIER A++GAZIPUR++1712'
 NAD+MP+1000000247::9++SUPPLIER A++CHITTAGONG++4223+BD'
 NAD+FW+1300000001::9++APLL+WYNDHAM HOUSE, 6TH FLOOR, 189 MARSH+LONDON++E19 9SH+GB'
 CUX+2:USD:9+3:USD:11'
 PAT+1+6::86:Z001+81'
 PCD+12:0:13'
 TDT+20++10+:SEA++SB'
 LOC+11+:::CGP'
 TOD+3++FOB:::FOB'
 LIN+00010++3030233:SRV'
 PIA+5+000000000020020189:IN:::86'
 PIA+1+11:GB:::86'
 IMD+E+79+:::3470'
 QTY+21:100.000:EA'
 ALI++3'
 MOA+203:9450'
 FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
 PRI+AAA:9450:CT:NTP:94.5:KGM'
 CUX+2:USD:9'

PAC++1+RJ'
QTY+52:1:EA'
TAX+7+VAT+++:::0+S'
MOA+124:0'
LIN+00011++2856612:SRV+1:00010'
PIA+5+000000022001365001:IN::86'
IMD+E+35+:::GREY MARL'
IMD+E+98+:::S'
IMD+E+79+:::3470'
QTY+21:100.000:EA'
ALI++3'
MOA+203:0'
FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
PRI+AAA:0:CT:NTP:0:KGM'
CUX+2:USD:9'
PAC++1+RJ'
QTY+52:1:DIS'
LIN+00012++2856629:SRV+1:00010'
PIA+5+000000022001365002:IN::86'
IMD+E+35+:::GREY MARL'
IMD+E+98+:::M'
IMD+E+79+:::3470'
QTY+21:100.000:EA'
ALI++3'
MOA+203:0'
FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
PRI+AAA:0:CT:NTP:0:KGM'
CUX+2:USD:9'
PAC++1+RJ'
QTY+52:1:DIS'
LIN+00013++2856636:SRV+1:00010'
PIA+5+000000022001365003:IN::86'
IMD+E+35+:::GREY MARL'
IMD+E+98+:::L'
IMD+E+79+:::3470'
QTY+21:100.000:EA'
ALI++3'
MOA+203:0'
FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
PRI+AAA:0:CT:NTP:0:KGM'
CUX+2:USD:9'
PAC++1+RJ'

QTY+52:5:101'
 LIN+00014++2856643:SRV+1:00010'
 PIA+5+000000022001365004:IN::86'
 IMD+E+35+:::GREY MARL'
 IMD+E+98+:::X'
 IMD+E+79+:::3470'
 QTY+21:100.000:EA'
 ALI++3'
 MOA+203:0'
 FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
 PRI+AAA:0:CT:NTP:0:KGM'
 CUX+2:USD:9'
 PAC++1+RJ'
 QTY+52:1:DIS'
 LIN+00015++2856667:SRV+1:00010'
 PIA+5+000000022001365006:IN::86'
 IMD+E+35+:::GREY MARL'
 IMD+E+98+:::XXL'
 IMD+E+79+:::3470'
 QTY+21:100.000:EA'
 ALI++3'
 MOA+203:0'
 FTX+CHG+1++Z00:Z00FIRST VERSION, CREATE'
 PRI+AAA:0:CT:NTP:0:KGM'
 CUX+2:USD:9'
 PAC++1+RJ'
 QTY+52:1:DIS'
 UNS+S'
 MOA+79:9450'
 CNT+2:6'
 UNT+102+00000000000032'
 UNZ+1+00000000000057'

4.3.3 Foods Order

UNB+UNOA:4+SENDERID:ZZZ+RECEIVERID:ZZZ+20100701:0820+00000000001791+ +ORDERS++++1'
 UNH+00000000000084+ORDERS:D:01B:UN:EAN010'
 BGM+220+0000439759+9+NA'
 DTM+137:20100630:102'
 DTM+2:20100701:102'
 PAI:::42'
 RFF+DM:0000000001599868'

NAD+BY+1000::9'
CTA+BJ+F19:GROCERIES'
NAD+SU+F04408::9++4408'
CUX+2:GBP:9+3:GBP:11'
PAT+1+6::86:1+81'
PCD+12:0:13'
TDT+20++10+:SEA++SB'
TOD+3++DDP:::DDP'
LIN+00010+1+00196932:SRV'
PIA+5+000000000020006803:IN::86'
IMD+F++:9:ESPRESSO DARK ROAST'
QTY+21:3050.000:001'
MOA+203:33550'
PRI+AAA:33550:CT:NTP:11:KGM'
CUX+2:GBP:9'
PAC+++PU'
QTY+52: 12'
LIN+00020+1+00498180:SRV'
PIA+5+000000000020017298:IN::86'
IMD+F++:9:ORG NICARAGUAN'
QTY+21:6050.000:001'
MOA+203:93775'
PRI+AAA:93775:CT:NTP:15.5:KGM'
CUX+2:GBP:9'
PAC+++PU'
QTY+52: 12'
LIN+00030+1+00518321:SRV'
PIA+5+000000000020017878:IN::86'
IMD+F++:9:FRENCH DARK ROAST'
QTY+21:7050.000:001'
MOA+203:317250'
PRI+AAA:317250:CT:NTP:45:KGM'
CUX+2:GBP:9'
PAC+++PU'
QTY+52: 12'
UNS+S'
MOA+79:444575'
CNT+2:3'
UNT+45+00000000000084'
UNZ+1+00000000001791'

4.3.4 Foods Order (Mixed VAT Rate)

UNB+UNOA:4+SENDERID:ZZZ+RECEIVERID:ZZZ+20100824:0713+00000000001907+ +ORDERS++++1'
 UNH+00000000000131+ORDERS:D:01B:UN:EAN010'
 BGM+220+2050000024+9+NA'
 DTM+137:20100729:102'
 DTM+2:20100729:102'
 PAI+::42'
 FTX+ZZZ+++MORNING'
 RFF+DM:0000000003618504'
 NAD+BY+1000::9'
 LOC+7+:::0159MAYLANDS GIST DEPOT'
 CTA+BJ+F33:SANDWICH PLATTERS'
 NAD+SU+F01231::9++1501'
 NAD+MP+1000000000::9'
 CUX+2:GBP:9+3:GBP:11'
 PAT+1+6::86:1+81'
 PCD+12:0:13'
 TDT+20++30+:ROAD++SB'
 TOD+3++DDP:::DDPGB'
 LIN+00010+1+00001908:SRV'
 PIA+5+000000000060000338:IN::86'
 IMD+F++:9:1.35KG LUX HEX'
 QTY+21:20.000:001'
 QTY+21:40'
 MOA+203:240'
 PRI+AAA:140:CT:NTP:12:KGM'
 CUX+2:GBP:9'
 PAC+++PU'
 QTY+52:2'
 TAX+7+VAT+++:::9.20+A'
 MOA+124:0'
 LIN+00020+1+00384339:SRV'
 PIA+5+000000000060000340:IN::86'
 IMD+F++:9:CLASSIC ICE BAR'
 QTY+21:40.000:001'
 QTY+21:640'
 MOA+203:200'
 PRI+AAA:100:CT:NTP:5:KGM'
 CUX+2:GBP:9'
 PAC+++PU'
 QTY+52:16'

TAX+7+VAT+++:::17.50+A'
MOA+124:0'
LIN+00030+1+00384292:SRV'
PIA+5+000000000060000339:IN::86'
IMD+F++::9:BUNNY CARROT CK'
QTY+21:30.000:001'
QTY+21:120'
MOA+203:600'
PRI+AAA:100:CT:NTP:20:KGM'
CUX+2:GBP:9'
PAC+++PU'
QTY+52:4'
TAX+7+VAT+++:::0.00+A'
MOA+124:0'
UNS+S'
MOA+79:1040'
CNT+2:3'
UNT+57+0000000000131'
UNZ+1+00000000001907'

5 VERSION CONTROL

The following versions of the document have been produced:

<i>Version</i>	<i>Status</i>	<i>Issue Date</i>	<i>Author</i>	<i>Comments</i>
1.00	Issued	15/11/2009	M&S	
1.01	Issued	19/02/2010	M&S	Additional Message Examples Further guidance notes to support implementation Inclusion of PO Type and Self-Bill Indicator flag
1.02	Issued	05/06/2010	M&S	Incorporation of foods requirements.
1.03	Issued	09/07/2010	M&S	Inclusion of foods message example.
1.04	Issued	30/08/2010	M&S	General updates Inclusion of mixed rate VAT message example
1.05	Issued	30/10/2010	M&S	Addition of Estimated Display Until date