



# Business Message Documentation

Application Type	Application Business Message (ABM)
M3 version	BE15
M3 Business Message	CO - Customer Order
Message Direction	Inbound
Message Application	UBL 2 0 Order

Map name	M3BE15_CO_In_UBL_2_0_ORDER
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## Introduction

This document is a Message Implementation Guideline (MIG) for a business message used in Infor's enterprise application, M3. It defines in detail the collaboration logic between the business message and the M3 system.

The MIG supplied by Infor is based on the business functionality in M3.

The business message format is Extensible Markup Language (XML). XML is a standard developed by the World Wide Web Consortium (W3C). "Element" in this document refers to an XML element. The business message is divided into "message parts"; a message part is a logical unit within the business message, for example, a header, an address or details/lines. Within each message part each element can have up to four parents. The message part, the parents and the element define the XPath for the element. Structural levels for the message's object and process (for example "PurchaseOrder" and "Show") are only shown in the XPaths in this document.

This document consists of two major sections: Elements Used and Element Documentation. The section Elements Used provides an overall view of all elements used in this MIG. The section Element Documentation provides detailed specifications of each and every element implemented in the business message. The element information is presented in the order in which the elements are defined in the business message.



## Elements Used

This section contains a summary of all elements used in this message application, that is, the elements that have documentation attached. The XPaths for these elements are provided relative to the message parts. The elements are listed in message structure order



## Elements Used

MessagePart	<b>AccountingCustomerParty</b> Party/PartyIdentification/ID
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# Elements Used

MessagePart	<b>BuyerCustomerParty</b> Party/PartyIdentification/ID Party/Contact/Name
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# Elements Used

MessagePart	<b>Contract</b>
	Order/Contract
	ID
	ContractTypeCode

## Elements Used

MessagePart	<b>Delivery</b>
	DeliveryLocation/Address/StreetName
	DeliveryLocation/Address/AdditionalStreetName
	DeliveryLocation/Address/BuildingNumber
	DeliveryLocation/Address/CityName
	DeliveryLocation/Address/PostalZone
	DeliveryLocation/Address/Country
	RequestedDeliveryPeriod/StartDate
	RequestedDeliveryPeriod/StartTime
	DeliveryParty/PartyIdentification/ID
	DeliveryParty/PartyName/Name



# Elements Used

MessagePart	<b>DeliveryTerms</b>
	ID





# Elements Used

MessagePart	<b>ID</b>
	Order/ID



# Elements Used

MessagePart	<b>IssueDate</b>
	Order/IssueDate



# Elements Used

MessagePart	<b>Note</b>
	Order/Note



## Elements Used

MessagePart	OrderLine
	Note
	LineItem/ID
	LineItem/Note
	LineItem/LineStatusCode
	LineItem/Quantity
	LineItem/Delivery/RequestedDeliveryPeriod/StartDate
	LineItem/Delivery/RequestedDeliveryPeriod/StartTime
	LineItem/Delivery/DeliveryParty/PartyIdentification/ID
	LineItem/Price/PriceAmount
	LineItem/Item/Name
	LineItem/Item/BuyersItemIdentification
	LineItem/Item/SellersItemIdentification



# Elements Used

MessagePart	<b>PaymentMeans</b>
	PaymentMeansCode



# Elements Used

MessagePart	<b>QuotationDocumentReference</b>
	Order/QuotationDocumentReference
	ID

## Element Documentation

This section is based on the same structure as the section Elements Used, but here you see all the available descriptions, statuses (conditional or mandatory), repeats (0, 1, 2 etc. or unbounded), data types (alphanumeric, numeric, date etc.) and data lengths. There is a page break for every message part. Parents' attributes are only shown when the parents change. This section also includes M3 application documentation and the XPath for the element, which specifies the position of the element in the message structure.

M3 application documentation consists of three sections: M3 Application Description, M3 Application Data Translation and M3 Application Specification.

### **M3 Application Description**

This section provides a general description in “business process language” and describes how the element is used in relation to the M3 logic, for example, which M3 data is used.

### **M3 Application Data Translation**

This section specifies whether or not the data can be translated between M3 and the message. Data translation is used, for example, to translate unit of measure (“STK” to “PCS”) and currency codes (“PND” to “GBP”). Data translations are managed by the M3 program “Business Message Data Translation. Display” (CRS881) and the program “Business Message Data. Translate” (CRS882). The key used in (CRS881) for the element’s data translation is provided.

### **M3 Application Specification**

This section contains the specification that constitutes the base for the business message. It describes whether the element uses data from or transfers data to a M3 API, uses calculated data and/or fixed data. It also describes how and when to make the M3 API calls, which input and output fields to use, etc. Additional information may also be given, such as conditions or notes to clarify specific logic used. Taken together, the sections M3 Application Description and M3 Application Specification define the functionality of the business message.



MessagePart		Repeat		Description
AccountingCustomerParty		C	1	Accounting_ Customer Party. The party that Invoice is expected to be sent to if not the buyer party
Parent2	Party	C	1	Accounting_ Customer Party
Parent1	PartyIdentification	C	unbounded	Accounting_ Customer Party
Element	ID	M		Accounting_ Customer Party ID
<b>M3 Application Description:</b> Accounting Customer Party ID as Invoice recipient				
<b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: AddBatchHead Field: INRC				
<b>XPath:</b> Order_/AccountingCustomerParty/Party/PartyIdentification/ID				





MessagePart		Repeat		Description
BuyerCustomerParty		M	1	Order. Buyer_ Customer Party
Parent2	Party	C	1	Buyer_ Customer Party
Parent1	PartyIdentification	C	unbounded	Accounting_ Customer Party
Element	ID	M		Buyer_ Customer Party ID

**M3 Application Description:**

Buyer\_ Customer Party ID as Customer number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: CUNO

**XPath:** *Order\_/BuyerCustomerParty/Party/PartyIdentification/ID*

Parent2	Party	C	1	Buyer_ Customer Party
Parent1	Contact	C	1	Buyer_ Customer Party Contact
Element	Name	M		Buyer Customer Party Contact Name

**M3 Application Description:**

Buyer Customer Party Contact Name as Your reference

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: YREF

**XPath:** *Order\_/BuyerCustomerParty/Party/Contact/Name*



MessagePart		Repeat	Description
<b>Contract</b>		<b>C</b>	<b>unbou Order. Contract</b>
Parent1	<b>Order</b>	M 1	Order
Element	<b>Contract</b>	C	Order. Contract

**M3 Application Description:**

Order. Contract as Blanket agreement number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: AGNO

**XPath:** *Order\_/Contract*

Element	<b>ID</b>	C	Contract ID
<b>XPath:</b> <i>Order_/Contract/ID</i>			

Element	<b>ContractTypeCode</b>	C	Contract Type Code
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**XPath:** *Order\_/Contract/ContractTypeCode*



MessagePart		Repeat	Description
Delivery		C unbou	Delivery

Parent2	DeliveryLocation	C 1	Delivery Location
Parent1	Address	C 1	Delivery Location Address
Element	StreetName	C	Street Name

**M3 Application Description:**

Street Name as Address line 1

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: CUA1

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/StreetName*

Parent2	DeliveryLocation	C 1	Delivery Location
Parent1	Address	C 1	Delivery Location Address
Element	AdditionalStreetName	C	Additional Street Name

**M3 Application Description:**

Additional Street Name as Address line 1

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: CUA2

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/AdditionalStreetName*

Parent2	DeliveryLocation	C 1	Delivery Location
Parent1	Address	C 1	Delivery Location Address
Element	BuildingNumber	C	Building Number

**M3 Application Description:**

Building number as Address line 1

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: CUA1

Note !

Concatenated with Street name

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/BuildingNumber*



MessagePart		Repeat	Description
<b>Delivery</b>		<b>C</b>	<b>unbou Delivery</b>
Parent2	<b>DeliveryLocation</b>	C 1	Delivery Location
Parent1	<b>Address</b>	C 1	Delivery Location Address
Element	<b>CityName</b>	C	City name

**M3 Application Description:**

City name as City

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: TOWN

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/CityName*

Parent2	<b>DeliveryLocation</b>	C 1	Delivery Location
Parent1	<b>Address</b>	C 1	Delivery Location Address
Element	<b>PostalZone</b>	C	Postal zone

**M3 Application Description:**

Postal zone as Postal code

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: PONO

Note !

Translate PONO to ECAR

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: ECAR

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/PostalZone*

MessagePart		Repeat	Description
<b>Delivery</b>		<b>C</b>	<b>unbou Delivery</b>
Parent2	<b>DeliveryLocation</b>	C 1	Delivery Location
Parent1	<b>Address</b>	C 1	Delivery Location Address
Element	<b>Country</b>	C	Country

**M3 Application Description:**

Country identification code as Country

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: CSCD

API Call: OIS100MI/AddBatchAddress

Input field CONO: CONO

Input field ORNO: OIS100MI/AddBatchHead Output field: ORNO

Input field ADRT: "01"

**XPath:** *Order\_/Delivery/DeliveryLocation/Address/Country*

Parent1	<b>RequestedDeliveryPeriod</b>	C 1	RequestedDeliveryPeriod
Element	<b>StartDate</b>	C	Start Date
<p><b>M3 Application Description:</b> Requested Delivery Period Start date as Requested delivery date</p> <p><b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: AddBatchHead Field: RLDZ</p> <p><b>XPath:</b> <i>Order_/Delivery/RequestedDeliveryPeriod/StartDate</i></p>			

Parent1	<b>RequestedDeliveryPeriod</b>	C 1	RequestedDeliveryPeriod
Element	<b>StartTime</b>	C	Start Time

**M3 Application Description:**

Requested Delivery Period Start Time as Requested delivery time

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: RLHZ

**XPath:** *Order\_/Delivery/RequestedDeliveryPeriod/StartTime*



MessagePart		Repeat	Description
Delivery		C unbou	Delivery

Parent2	DeliveryParty	C 1	Delivery Party
Parent1	PartyIdentification	C unbounded	Delivery party Identification
Element	ID	M	Delivery Party Identification

**M3 Application Description:**

Delivery Party ID as Delivery address id

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: ADID

**XPath:** *Order\_/Delivery/DeliveryParty/PartyIdentification/ID*

Parent2	DeliveryParty	C 1	Delivery Party
Parent1	PartyName	C unbounded	Delivery party name
Element	Name	M	Delivery Party name

**M3 Application Description:**

Delivery Party Name as Customer name

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchAddress Field: CUNM

**XPath:** *Order\_/Delivery/DeliveryParty/PartyName/Name*



MessagePart		Repeat		Description
DeliveryTerms		C	1	Delivery Terms
Element	ID	C		Delivery Terms ID
<b>M3 Application Description:</b> Delivery Terms ID as Term of delivery				
<b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: AddBatchHead Field: TEDL				
<b>XPath:</b> <i>Order_/DeliveryTerms/ID</i>				



MessagePart		Repeat		Description
ID		M	1	Order. Identifier, An identifier for the Order assigned by the Buyer
Parent1	Order	M	1	Order
Element	ID	M		Order. Identifier, An identifier for the Order assigned by the Buyer

**M3 Application Description:**

Order Identifier, assigned by Buyer as Customers Order number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: CUOR

API Call: OIS100MI/GetUserInfo

Outputfield ZDCONO: CONO

Outputfield ZDDIVI: DIVI

Outputfield ZDFACI: FACI

**XPath:** *Order\_/ID*





MessagePart		Repeat		Description
IssueDate		M	1	Order. Issue Date., The date assigned by the Buyer on which the Order was issued
Parent1	Order	M	1	Order
Element	IssueDate	M		Order. Issue Date., The date assigned by the Buyer on which the Order was issued
<b>M3 Application Description:</b> Order issue date, assigned by the Buyer as Customers purchase order date				
<b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: AddBatchHead Field: CUDT				
<b>XPath:</b> <i>Order_/IssueDate</i>				



MessagePart		Repeat		Description
Note		C	unbou	Order. Note. Text. Free-form text applying to the Order
Parent1	Order	M	1	Order
Element	Note	C		Order. Note. Text. Free-form text applying to the Order

**M3 Application Description:**

Text. Free-form text applying to the Order as Header free text

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchText Field: PARM

Condition: if TXHE not equal blank

API Call: OIS100MI/SndBatchText

Input field CONO: CONO

Input field ORNO: OIS100MI/AddBatchHead Output field: ORNO

Input field TYPE: "1"

Input field TYTR: "2"

Input field TXHE: Translate "" to TXHE

**XPath:** *Order\_/Note*



MessagePart		Repeat	Description
OrderLine		M	unbou Order Line
Element	Note	C	Note
<b>M3 Application Description:</b> Text. Free-form text applying to the Order as Line free text			
<b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: SndBatchText Field: PARM			
Condition: if TXHE not equal blank			
API Call: OIS100MI/SndBatchText			
Input field CONO: CONO			
Input field ORNO: OIS100MI/AddBatchHead Output field: ORNO			
Input field TYPE: "2"			
Input field TYTR: "2"			
Input field TXHE: Translate "" to TXHE			
<b>XPath:</b> Order_/OrderLine/Note			

Parent1	LinItem	M 1	Line Item
Element	ID	M	ID

**M3 Application Description:**  
Line item ID as Customer order line number

**M3 Application Specification:**  
API dataMI program: OIS100MI Transaction: AddBatchLine Field: CUPO

**XPath:** Order\_/OrderLine/LinItem/ID



MessagePart		Repeat	Description
OrderLine		M unbou	Order Line
Parent1	LinItem	M 1	Line Item
Element	Note	C	Note
<b>M3 Application Description:</b> Text. Free-form text applying to the Order as Line free text <b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: SndBatchText Field: PARM  Condition: if TXHE not equal blank API Call: OIS100MI/SndBatchText Input field CONO: CONO Input field ORNO: OIS100MI/AddBatchHead Output field: ORNO Input field TYPE: "2" Input field TYTR: "2" Input field TXHE: Translate "" to TXHE <b>XPath:</b> Order_/OrderLine/LinItem/Note			
Parent1	LinItem	M 1	Line Item
Element	LineStatusCode	C	Line Status Code
<b>M3 Application Description:</b> Line status code - "Added", "NoStatus" or "" <b>M3 Application Specification:</b> Condition: If Line status code is equal to "Added" or "NoStatus" or "" include the line else exclude the line <b>XPath:</b> Order_/OrderLine/LinItem/LineStatusCode			
Parent1	LinItem	M 1	Line Item
Element	Quantity	C	Quantity and UnitCode (attribute)
<b>M3 Application Description:</b> Quantity as Ordered quantity and UnitCode as Alternate UM <b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: SndBatchLine Field: ORQA  API dataMI program: OIS100MI Transaction: SndBatchLine Field: ALUN  <b>XPath:</b> Order_/OrderLine/LinItem/Quantity			



MessagePart		Repeat	Description
OrderLine		M unbou	Order Line
Parent3	LinItem	M 1	Line Item
Parent2	Delivery	C unbounded	Delivery
Parent1	RequestedDeliveryPeriod	C 1	RequestedDeliveryPeriod
Element	StartDate	C	Start Date

**M3 Application Description:**

Requested Delivery Period Start date as Requested delivery date

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: DWDZ

**XPath:** *Order\_/OrderLine/LinItem/Delivery/RequestedDeliveryPeriod/StartDate*

Parent3	LinItem	M 1	Line Item
Parent2	Delivery	C unbounded	Delivery
Parent1	RequestedDeliveryPeriod	C 1	RequestedDeliveryPeriod
Element	StartTime	C	Start Time

**M3 Application Description:**

Requested Delivery Period Start Time as Requested delivery time

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: DWHZ

**XPath:** *Order\_/OrderLine/LinItem/Delivery/RequestedDeliveryPeriod/StartTime*

Parent4	LinItem	M 1	Line Item
Parent3	Delivery	C unbounded	Delivery
Parent2	DeliveryParty	C 1	Line Item Delivery Party
Parent1	PartyIdentification	C unbounded	Delivery party Identification
Element	ID	M	Delivery Party Identification

**M3 Application Description:**

Line Item Delivery Party ID as Delivery address id

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: ADID

**XPath:** *Order\_/OrderLine/LinItem/Delivery/DeliveryParty/PartyIdentification/ID*



MessagePart		Repeat		Description
OrderLine		M	unbou	Order Line
Parent2	LinItem	M	1	Line Item
Parent1	Price	C	1	Price
Element	PriceAmount	M		PriceAmount and Currency (Attribute)
<b>M3 Application Description:</b> Line Item price as Reference price				
<b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: SndBatchLine Field: EDFP				
<b>XPath:</b> <i>Order_/OrderLine/LinItem/Price/PriceAmount</i>				

Parent2	LinItem	M	1	Line Item
Parent1	Item	M	1	Price
Element	Name	C		Name

**M3 Application Description:**

Line Item Item name as Item description

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: ITDS

**XPath:** *Order\_/OrderLine/LinItem/Item/Name*

Parent2	LinItem	M	1	Line Item
Parent1	Item	M	1	Price
Element	BuyersItemIdentification	C		Buyers Item Identification

**M3 Application Description:**

Buyers item identification as Alias number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: POPN

API dataMI program: OIS100MI Transaction: SndBatchLine Field: ALWT = "06"

**XPath:** *Order\_/OrderLine/LinItem/Item/BuyersItemIdentification*



MessagePart		Repeat		Description
OrderLine		M	unbou	Order Line
Parent2	LineItem	M	1	Line Item
Parent1	Item	M	1	Price
Element	SellersItemIdentification	C		Sellers Item Identification

**M3 Application Description:**

Sellers item identification as Item number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: SndBatchLine Field: ITNO

API Call: OIS100MI/SndBatchLine

Input field CONO: CONO

Condition:

After all occurrences of Order Line

API Call: OIS100MI/ConfirmLine

Input field CONO: CONO

Input field ORNO: OIS100MI/AddBatchHead Output field: ORNO

Add user function ManifestUpdate

setManifestInfo ("map:keyField1", "CONO");

setManifestInfo ("map:keyValue1", CONO);

setManifestInfo ("map:keyField2", "DIVI");

setManifestInfo ("map:keyValue2", DIVI);

setManifestInfo ("map:keyField3", "ORNO");

Condition: if OIS100MI/Confirm Output field ORNO not equals blank/null else OIS100MI/AddBatchHead Output field ORNO

setManifestInfo ("map:keyValue3", ORNOI);

**XPath:** *Order\_/OrderLine/LineItem/Item/SellersItemIdentification*



MessagePart		Repeat		Description
PaymentMeans		C	1	Payment Means
Element	PaymentMeansCode	M		PaymentMeansCode
<p><b>M3 Application Description:</b> Delivery Terms ID as Term of payment</p> <p><b>M3 Application Specification:</b> API dataMI program: OIS100MI Transaction: AddBatchHead Field: TEPY</p> <p>API Call: OIS100MI/AddBatchHead Input field CONO: CONO Input field FACI: OIS100MI/GetUserInfo Output field: FACI Input field ID02: getManifestInfo("env:identity")</p> <p><b>XPath:</b> <i>Order_/PaymentMeans/PaymentMeansCode</i></p>				





MessagePart		Repeat	Description
QuotationDocumentReference		C 1	Order. Quotation_ Document Reference.
Parent1	Order	M 1	Order
Element	QuotationDocumentReference	C	Order. Quotation_ Document Reference.

**M3 Application Description:**

Order. Quotation\_ Document Reference as Quotation number

**M3 Application Specification:**

API dataMI program: OIS100MI Transaction: AddBatchHead Field: OFNO

**XPath:** *Order\_/QuotationDocumentReference*

Element	ID	M	Order. Quotation_ Document Reference ID
<b>XPath:</b> <i>Order_/QuotationDocumentReference/ID</i>			



**END**