



Business Message Documentation

Application Type	EDI Business Message (EBM)
M3 version	BE15
M3 Business Message	COI - Customer Order Invoice
Message Direction	Outbound
Message Application	X12 812 4010

Map name	M3BE15_COI_Out_X12_812_4010
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Source file	M3BE15_COI_Out_X12_812_4010_MIG_v1.pdf
Created	2013-06-13 15:40



Introduction

This document is a Message Implementation Guideline (MIG) for an EDI Business Message (EBM) used in Infor's enterprise application, M3. It defines in detail the collaboration logic between an EDI message specification and the M3 system. This logic is implemented in an EBM, which is a component in the M3 EDI solution.

The MIG supplied by Infor is usually based on a standard MIG from an EDI implementation standardization organization such as EANCOM, Odette or VICS, and is a subset of the standard MIG, based on the business functionality in M3.

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



Elements Used

This section contains a summary of all elements used in this message application, that is, the elements that have documentation attached. Group number, segment name, composite name (if applicable), element name and description are provided for these elements. The elements are listed in message structure order.

Group	Segment	Composite /Element	Element	Description
0 M 1				
	BCD M 1			BCD - Beginning Credit/Debit Adjustment
			0076 C	Invoice Number
			0305 M	Transaction Handling Code
			0324 C	Purchase Order Number
			0373 M	Date
			0424 C	Vendor Order Number
			0475 M	Credit/Debit Adjustment Number
			0478 M	Credit/Debit Flag Code
			0610 M	Amount
	CUR C 1			CUR - Currency Entity Identifier Code
			0098 M	
			0100 M	Currency Code
	ITD C 9999999			ITD - Terms of Sale/ Deferred Terms of Sale
			0336 C	Terms Type Code
			0446 C	Terms Net Due Date
	N9 C 9999999			N9 - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier

Group	Segment	Composite /Element	Element	Description
0 M 1				
	SAC C 25		0248 M	SAC - Service Allowance or Charge Indicator
			0610 C	Amount
			1300 C	Service
	SE M 1		0096 M	SE - Transaction Set Trailer Number of Included Segments
	ST M 1		0143 M	ST - Transaction Set Header Transaction Set Identifier Code
			0329 M	Transaction Set Control Number
1 C 200				Loop Id N1
	N1 M 1		0066 C	N1 - Name Identification Code Qualifier
			0067 C	Identification Code
			0098 M	Entity Identifier Code
	N2 C 2		0093 M	N2 - Additional Name Information Name
	N3 C 2		0166 M	N3 - Address Information Address Information
	N4 C 1		0019 C	N4 - Geographic Location City Name
			0026 C	Country Code
			0116 C	Postal Code

Group	Segment	Composite /Element	Element	Description
1 C 200				Loop Id N1
	N4 C 1			N4 - Geographic Location
			0116 C	Postal Code
			0156 C	State or Province Code
	N9 C 12			N9 - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
	PER C 3			PER - Administrative Communications Contact
			0093 C	Name
			0366 M	Contact Function Code
4 C 9999999				Loop Id CDD
	CDD C 1			CDD - Credit/Debit Adjustment Detail
			0212 C	Unit Price
			0236 C	Price Identifier Code
			0350 C	Assigned Identification
			0355 C	Unit or Basis for Measurement Code
			0426 M	Adjustment Reason Code
			0477 C	Credit/Debit Quantity
			0478 M	Credit/Debit Flag Code
			0610 C	Amount



Group	Segment	Composite /Element	Element	Description
4 C 9999999				Loop Id CDD
	LIN C 1			LIN - Item Identification
			0234 M	Product/Service ID
			0235 M	Product/Service ID Qualifier
	N9 C 9999999			N9 - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
	SAC C 25			SAC - Service
			0248 M	Allowance or Charge Indicator
			0332 C	Percent
			0610 C	Amount
			1300 C	Service



Element Documentation

This section is based on the same structure as the section Elements Used, but here you see all the available descriptions, sequence numbers (in the complete message) for segments and elements (within parentheses). It also includes M3 application documentation and the XPath for the corresponding XML element (XML is one of the technologies that is used for EBM applications), which specifies the position of the element in the message structure. M3 application documentation, as well as the corresponding XPath, can exist on a group, segment, composite and/or element level. Most common is the element level.

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

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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 qualifiers are used and 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"), currency codes ("PND" to "GBP") and qualifiers ("BY" to "BU"). 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 EBM. 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 EBM.



Group: 0	M 1	Segment Group: 0
Segment: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0076	C AN 22	Invoice Number
	M3 Application Description	
	Extended Invoice number as Invoice Number	
	M3 Application Specification	
	API dataMI program: OIS350MI Transaction: GetInvHead Field: EXIN	
	XPath	
	<i>X12812/BCD/e07_0076</i>	
0305	M AN 2	Transaction Handling Code
	M3 Application Description	
	'Z' = Mutually defined as Transaction Handling code	
	M3 Application Specification	
	Fixed data: "Z"	
	XPath	
	<i>X12812/BCD/e03_0305</i>	
0324	C AN 22	Purchase Order Number
	M3 Application Description	
	Customers order number as Purchase Order Number	
	M3 Application Specification	
	Condition: Number of deliveries (NoOfDel) equals 1	
	API dataMI program: OIS100MI Transaction: GetHead Field: CUOR	
	XPath	
	<i>X12812/BCD/e10_0324</i>	
0373	C AN 8	Date
	M3 Application Description	
	Customers order date as Date	
	M3 Application Specification	
	Condition: Number of deliveries (NoOfDel) equals 1	
	API dataMI program: OIS100MI Transaction: GetHead Field: CUDT	
	XPath	
	<i>X12812/BCD/e09_0373</i>	



Group: 0	M 1	Segment Group: 0
Segment: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0373	C AN 8	Date
	M3 Application Description	
	Invoice date as date	
	M3 Application Specification	
	API call:OIS350MI/GetInvHead	
	Input field CONO: MBMInit Output field: CONO	
	Input field DIVI: MBMInit Output field: DIVI	
	Input field YEA4: MBMInit Output field: YEA4	
	Input field IVNO: MBMInit Output field: IVNO	
	Input field INPX: MBMInit Output field: INPX	
	API dataMI program: OIS350MI Transaction: GetInvHead Field: IDAT	
	XPath	
	<i>X12812/BCD/e01_0373</i>	
	M3 Application Specification	
	API dataMI program: OIS350MI Transaction: GetInvHead Field: IDAT	
	XPath	
	<i>X12812/BCD/e06_0373</i>	

Group: 0	M 1	Segment Group: 0
Segment: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0424	C AN 22	Vendor Order Number
	M3 Application Description Order number as Vendor order number	
	M3 Application Specification API call: OIS350MI/LstDelHeadByInv Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4 Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Count number of records received from OIS350MI/LstDelHeadByInv put in variable NoOfDel (Number of deliveries)	
	API call: OIS100MI/GetHead Input field CONO: MBMInit Output field: CONO Input field ORNO: OIS350MI/LstDelHeadByInv Field: ORNO	
	Condition: Number of deliveries (NoOfDel) equals 1 API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: ORNO	
	XPath <i>X12812/BCD/e08_0424</i>	
0475	M AN 22	Credit/Debit Adjustment Number
	M3 Application Description Extended Invoice number as Credit/Debit Adjustment Number	
	M3 Application Specification API dataMI program: OIS350MI Transaction: GetInvHead Field: EXIN	
	XPath <i>X12812/BCD/e02_0475</i>	
0478	M AN 1	Credit/Debit Flag Code
	M3 Application Description 'C' = Credit or 'D' = Debit as Credit/Debit Flag	
	M3 Application Specification Condition: OIS350MI/GetInvHead/IVTP equals "02" Fixed data: "C" else Fixed data: "D"	
	XPath <i>X12812/BCD/e05_0478</i>	

Group: 0	M 1	Segment Group: 0
Segment: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0478	M AN 1	Credit/Debit Flag Code
	M3 Application Description 'C' = Credit or 'D' = Debit as Credit/Debit Flag M3 Application Specification Condition: OIS350MI/GetInvHead/IVTP equals "02" Fixed data: "C" else Fixed data: "D" XPath <i>X12812/BCD/e05_0478</i>	
0610	M N2 15	Amount
	M3 Application Description Ref field for amount IVAM as Amount M3 Application Specification API dataMI program: OIS350MI Transaction: GetInvHead Field: AMT2 XPath <i>X12812/BCD/e04_0610</i>	
Segment: CUR	C 1	CUR - Currency
0098	M AN 3	Entity Identifier Code
	M3 Application Description 'VN' = Vendor as Entity identifier M3 Application Specification Condition: e02_0100 not equals blank Fixed data: "VN" XPath <i>X12812/CUR/e01_0098</i>	
0100	M AN 3	Currency Code
	M3 Application Description Currency code 1 as Currency code M3 Application Specification API dataMI program: OIS350MI Transaction: GetInvHead Field: CUC1 M3 Data Translation Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g000/CUR" Data element: "e02_0100" Movex table: "OOHEAD" Movex field: "OACUCD" XPath <i>X12812/CUR/e02_0100</i>	



Group: 0	M 1	Segment Group: 0
Segment: CUR 0100	C 1 M AN 3 M3 Application Description Currency code 1 as Currency code M3 Application Specification API dataMI program: OIS350MI Transaction: GetInvHead Field: CUC1	CUR - Currency Currency Code
Segment: ITD 0336	C 9999999 C AN 2 M3 Application Description '03' = Fixed date as Terms Type Code M3 Application Specification Condition: e06_0446 not equals to blank Fixed data: "03" XPath <i>X12812/ITD/e01_0336</i>	ITD - Terms of Sale/Deferred Terms of Sale Terms Type Code
0446	C AN 8 M3 Application Description '03' = Due date as Terms net due date M3 Application Specification API dataMI program: OIS350MI Transaction: GetInvHead Field: DUDT XPath <i>X12812/ITD/e06_0446</i>	Terms Net Due Date

Group: 0	M 1	Segment Group: 0
Segment: N9 0127	C 9999999 C AN 30 M3 Application Description 'DO' = Delivery index as Delivery order number 'VN' = Customer order number as Vendor's order number 'MR' = Ordertype as Merchandise type code M3 Application Specification Loop 1: Condition: Number of deliveries (NoOfDel) equals 1 Condition: e01_0128 equals "DO" API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: DLIX Loop 2: Condition: Number of deliveries (NoOfDel) equals 1 Condition: e01_0128 equals "VN" API dataMI program: OIS100MI Transaction: GetHead Field: ORNO Loop 3: Condition: Number of deliveries (NoOfDel) equals 1 Condition: e01_0128 equals "MR" API dataMI program: OIS100MI Transaction: GetHead Field: ORTP XPath X12812/N9/e02_0127	N9 - Reference Identification Reference Identification
0128	M AN 3 M3 Application Description 'DO' = Delivery order number 'VN' = Vendor order number 'MR' = Merchandise type code M3 Application Specification Loop 1: Condition: e02_0127 not equals blank Fixed data: "DO" Loop 2: Condition: e02_0127 not equals blank Fixed data: "VN" Loop 3: Condition: e02_0127 not equals blank Fixed data: "MR" XPath X12812/N9/e01_0128	Reference Identification Qualifier



Group: 0	M 1	Segment Group: 0
Segment: N9 0128	C 9999999 M AN 3 M3 Application Description 'DO' = Delivery order number 'VN' = Vendor order number 'MR' = Merchandise type code M3 Application Specification Loop 1: Condition: e02_0127 not equals blank Fixed data: "DO" Loop 2: Condition: e02_0127 not equals blank Fixed data: "VN" Loop 3: Condition: e02_0127 not equals blank Fixed data: "MR" XPath <i>X12812/N9/e01_0128</i>	N9 - Reference Identification Reference Identification Qualifier

Group: 0	M 1	Segment Group: 0
Segment: SAC 0248	C 25 M AN 1 M3 Application Description 'A' = Allowance 'C' = Charge as Allowance or Charge indicator M3 Application Specification API call:OIS350MI/LstInvLineByTyp Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4 Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Input field IVTP: "60" Note ! Add fields to SortingStructure SS_60_35 ("C", CRID,AMT2) Note ! CRID = IVRF.substring(0,6); API call:OIS350MI/LstInvLineByTyp Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4 Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Input field IVTP: "35" Note ! Add fields to SortingStructure SS_60_35 ("A", "",AMT2) API call:OIS350MI/LstInvLineByTyp Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4 Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Input field IVTP: "67" Note ! For use in g004/SAC Note ! Add fields to SortingStructure SS_67_32 {"C", ORNO, DLIX, PONR, POSX, CRID, AMT2}; Note ! PONR = IVRF.substring(0,5); Note ! POSX = IVRF.substring(6,8); Note ! CRID = IVRF.substring(11,17); API call:OIS350MI/LstInvLineByTyp Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4	SAC - Service Allowance or Charge Indicator

Group: 0	M 1	Segment Group: 0
Segment: SAC 0248	C 25 M AN 1 M3 Application Description 'A' = Allowance 'C' = Charge as Allowance or Charge indicator M3 Application Specification Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Input field IVTP: "32" Note ! For use in g004/SAC Note ! Add fields to SortingStructure SS_67_32 {"A", ORNO, DLIX, PONR, POSX, DISNO, AMT2}; Note ! PONR = IVRF.substring(0,5); Note ! POSX = IVRF.substring(6,8); Note ! DISNO = IVRF.substring(9,10); Read SS_60_35 Condition: SS_60_35 data equals "C" Fixed data: "C" Condition: SS_60_35 data equals "A" Fixed data: "A" XPath X12812/SAC/e01_0248	SAC - Service Allowance or Charge Indicator
0610	C N2 15 M3 Application Description Invoiced amount foreign currency as Amount M3 Application Specification Condition: e01_0248 equals "C" SS_60_35 Data: AMT2 Condition: e01_0248 equals "A" SS_60_35 Data: AMT2 XPath X12812/SAC/e05_0610	Amount



Group: 0	M 1	Segment Group: 0
Segment: SAC 1300	C 25 C AN 4 M3 Application Description Invoice reference as Services M3 Application Specification Condition: e01_0248 equals "C" SS_60_35 Data: CRID M3 Data Translation Condition:e01_0248 equals "C" Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g000/SAC" Data element: "e02_1300" Conditional element: "e01_0248" Conditional data: "C" Movex table: "ODCHRG" Movex field: "USCRID" XPath X12812/SAC/e02_1300	SAC - Service Service
Segment: SE 0096	M 1 M NO 10 M3 Application Description Number of Included Segments M3 Application Specification Add UserFunction Manifest_Update setManifestInfo("map:keyField1", "CONO"); setManifestInfo("map:keyValue1", CONO); (MBMInit output field: CONO) setManifestInfo("map:keyField2", "DIVI"); setManifestInfo("map:keyValue2", DIVI); (MBMInit output field: DIVI) setManifestInfo("map:keyField3", "EXIN"); setManifestInfo("map:keyValue3", EXIN) (OIS350MI/GetInvHead output field: EXIN) setManifestInfo("map:keyField3", "YEA4"); setManifestInfo("map:keyValue3", YEA4); (MBMInit output field: YEA4) XPath X12812/SE/e01_0096	SE - Transaction Set Trailer Number of Included Segments



Group: 0	M 1	Segment Group: 0
Segment: ST 0143	M 1 M AN 3 M3 Application Description '812' = Credit/Debit Adjustment M3 Application Specification Fixed data: "812" Create userfunction MBMInit Output field MessageCopy: MovexBusinessMessageInitiator/ MessageCopy Output field MessageDate: MovexBusinessMessageInitiator/ MessageDate Output field MessageTime: MovexBusinessMessageInitiator/ MessageTime Output field CONO: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value1 Output field DIVI: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value2 Output field ORNO: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value3 Output field YEA4 MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value4 Output field INPX: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value5 Output field IVNO: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value6 XPath X12812/ST/e01_0143	ST - Transaction Set Header Transaction Set Identifier Code
0329	M AN 9 M3 Application Description Transaction set control number M3 Application Specification Fixed data: "0001" XPath X12812/ST/e02_0329	Transaction Set Control Number



Group: 1	C 200	Segment Group: 1
Segment: N1	M 1	N1 - Name
0066	C AN 2	Identification Code Qualifier
	M3 Application Description	
	'UL' = UCC/EAN	
	as Identification Code Qualifier	
	M3 Application Specification	
	Condition e04_0067 not equals blank	
	Fixed data: "UL"	
	XPath	
	X12812/LOOP_N1_g001/N1/e03_0066	

Group: 1	C 200	Segment Group: 1
Segment: N1	M 1	N1 - Name
0067	C AN 80	Identification Code
M3 Application Description		
'PO' = Invoice recipient as Party to receive invoice for goods or services		
'BY' = Customer number as Buying party		
'ST' = Delivery address ID as Ship To		
'SU' = Company and division as Supplier/manufacturer		
M3 Application Specification		
Loop 1:		
Condition: OIS350MI/GetInvHead/INRC not equals OIS350MI/LstDelHeadByInv/CUNO		
Condition: e01_0098 equals "PO"		
API call: CRS886MI/CvtPtr		
Input field CONO: MBMInit Output Field: CONO		
Input field PTCG: "11"		
Input field PAID: OIS350MI/GetInvHead output Field: INRC		
API dataMI program:CRS886MI Transaction: CnvPtr Field: PAAL.		
Note ! if PAAL eq *Blank or NOK use INRC		
Loop 2:		
Condition: e01_0098 equals "BY"		
API call: CRS886MI/CvtPtr		
Input field CONO: MBMInit Output Field: CONO		
Input field PTCG: "11"		
Input field PAID: OIS350MI/LstDelHeadByInv Output Field: CUNO		
API dataMI program:CRS886MI Transaction: CnvPtr Field: PAAL.		
Note ! if PAAL eq *Blank or NOK use CUNO		
Loop 3:		
Condition: e01_0098 equals "ST"		
Condition: Number of deliveries (NoOfDel) equals 1		
API call: CRS886MI/CvtPtr		
Input field CONO: MBMInit Output Field: CONO		
Input field PTCG: "12"		
Input field PAID: OIS350MI/LstDelHeadByInv Output Field: CUNO		
Input field PAI1: OIS100MI/GetHead Output Field: ADID		
Input field PAAC: "21"		
API dataMI program:CRS886MI MI Transaction: CnvPtr Field: PAAL.		
Note ! if PAAL eq *Blank or NOK use ADID		

Group: 1	C 200	Segment Group: 1
Segment: N1	M 1	N1 - Name
0067	C AN 80	Identification Code
M3 Application Description		
'PO' = Invoice recipient as Party to receive invoice for goods or services		
'BY' = Customer number as Buying party		
'ST' = Delivery address ID as Ship To		
'SU' = Company and division as Supplier/manufacturer		
M3 Application Specification		
Loop 4:		
Condition: e01_0098 equals "SU"		
API call: CRS886MI/CvtPtr		
Input field CONO: MBMInit Output Field: CONO		
Input field PTCG: "01"		
Input field PAID: MBMInit Output Field: DIVI		
API dataMI program:CRS886MI Transaction: CnvPtr Field: PAAL.		
Note ! if PAAL eq *Blank or NOK use DIVI		
M3 Data Translation		
Condition: e01_0098 equals "PO"		
Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "PO" Movex table: "OOHEAD" Movex field: "OAINRC"		
Condition: e01_0098 equals "BY"		
Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "BY" Movex table: "OOHEAD" Movex field: "OACUNO"		
Condition: e01_0098 equals "ST"		
Condition: Number of deliveries (NoOfDel) equals 1		
Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "ST" Movex table: "OOHEAD" Movex field: "OAADID"		
Condition: e01_0098 equals "SU"		
Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "SU" Movex table: "n/a" Movex field: "n/a"		
XPath		
X12812/LOOP_N1_g001/N1/e04_0067		



Group: 1	C 200	Segment Group: 1
Segment: N1 0067	M 1 C AN 80 M3 Application Description 'PO' = Invoice recipient as Party to receive invoice for goods or services 'BY' = Customer number as Buying party 'ST' = Delivery address ID as Ship To 'SU' = Company and division as Supplier/manufacturer M3 Application Specification Loop 4: Condition: e01_0098 equals "SU" API call: CRS886MI/CvtPtr Input field CONO: MBMInit Output Field: CONO Input field PTCG: "01" Input field PAID: MBMInit Output Field: DIVI API dataMI program:CRS886MI Transaction: CnvPtr Field: PAAL. Note ! if PAAL eq *Blank or NOK use DIVI	N1 - Name Identification Code

Group: 1	C 200	Segment Group: 1
Segment: N1 0098	M 1 M AN 3 M3 Application Description 'PO' = Party to receive invoice for goods or services 'BY' = Buying party 'ST' = Ship To 'SU' = Supplier/manufacturer M3 Application Specification Loop 1: Condition e04_0067 not equals blank Fixed data: "PO" Loop 2: Condition e04_0067 not equals blank Fixed data: "BY" Loop 3: Condition e04_0067 not equals blank Fixed data: "ST" Loop 4: Condition e04_0067 not equals blank Fixed data: "SU" XPath X12812/LOOP_N1_g001/N1/e01_0098	N1 - Name Entity Identifier Code
Segment: N2 0093	C 2 M AN 60 M3 Application Description Customer name as Name M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API call OIS100MI/GetAddress Input field CONO: MBMInit Output field: CONO Input field ORNO: OIS350MI/LstDelHeadByInv Output field: ORNO Input field ADRT: "01" API dataMI program: OIS100MI Transaction: GetAddress Field: CUNM XPath X12812/LOOP_N1_g001/N2/e01_0093	N2 - Additional Name Information Name



Group: 1	C 200	Segment Group: 1
Segment: N2 0093	C 2 M AN 60 M3 Application Description Customer name as Name M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API call OIS100MI/GetAddress Input field CONO: MBMInit Output field: CONO Input field ORNO: OIS350MI/LstDelHeadByInv Output field: ORNO Input field ADRT: "01" API dataMI program: OIS100MI Transaction: GetAddress Field: CUNM	N2 - Additional Name Information Name
Segment: N3 0166	C 2 M AN 55 M3 Application Description Customer address 1 as Address information M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: CUA1 XPath <i>X12812/LOOP_N1_g001/N3/e01_0166</i> M3 Application Description Customer address 2 as Address information M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: CUA2 XPath <i>X12812/LOOP_N1_g001/N3/e02_0166</i>	N3 - Address Information Address Information

Group: 1	C 200	Segment Group: 1
Segment: N4 0019	C 1 C AN 30 M3 Application Description Customer address 4 as City name M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: CUA4 XPath <i>X12812/LOOP_N1_g001/N4/e01_0019</i>	N4 - Geographic Location City Name
0026	C AN 3 M3 Application Description Country as Country code M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: CSCD M3 Data Translation Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N4" Data element: "e04_0026" Movex table: "OOADRE" Movex field: "ODCSCD" XPath <i>X12812/LOOP_N1_g001/N4/e04_0026</i>	Country Code
0116	C AN 15 M3 Application Description Postal code as Postal code M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: PONO XPath <i>X12812/LOOP_N1_g001/N4/e03_0116</i>	Postal Code



Group: 1	C 200	Segment Group: 1
Segment: N4 0156	C 1 C AN 2 M3 Application Description Area/state as State or province code M3 Application Specification Condition: Number of deliveries (NoOfDel) equals 1 Condition: g001/N1/e01_0098 equals "ST" API dataMI program: OIS100MI Transaction: GetAddress Field: ECAR M3 Data Translation Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g001/N4" Data element: "e02_0156" Movex table: "OOADRE" Movex field: "ODECAR" XPath <i>X12812/LOOP_N1_g001/N4/e02_0156</i>	N4 - Geographic Location State or Province Code
Segment: N9 0127	C 12 C AN 30 M3 Application Description VAT registration number as Value added tax registration number M3 Application Specification Condition: g001/N1/e01_0098 equals "BY" API call: CRS610MI/GetFinancial Input field CONO: MBMInit Output field: CONO Input field CUNO: OIS350MI/LstDelHeadByInv Output field: CUNO API dataMI program: CRS610MI Transaction: GetHead Field: VRNO Condition: g001/N1/e01_0098 equals "SU" API call: MNS100MI/GetBasicData Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI API dataMI program: MNS100MI Transaction: GetBasicData Field: VRNO XPath <i>X12812/LOOP_N1_g001/N9/e02_0127</i>	N9 - Reference Identification Reference Identification

Group: 1	C 200	Segment Group: 1
Segment: N9 0128	C 12 M AN 3 M3 Application Description 'VX' = Value added tax registration number as Reference Identification Qualifier M3 Application Specification Condition: g001/N1/e01_0098 equals "BY" or "SU" Condition: e02_0127 not equals blank Fixed data: "VX" XPath X12812/LOOP_N1_g001/N9/e01_0128	N9 - Reference Identification Reference Identification Qualifier
Segment: PER 0093	C 3 C AN 60 M3 Application Description Your reference or Our reference as Name M3 Application Specification Condition: g001/N1/e01_0098 equals "SU" Condition: e01_0366 equals "SR" API dataMI program: OIS100MI Transaction: GetHead Field: OREF Condition: g001/N1/e01_0098 equals "BY" Condition: e01_0366 equals "RE" API dataMI program: OIS100MI Transaction: GetHead Field: YREF XPath X12812/LOOP_N1_g001/PER/e02_0093	PER - Administrative Communications Contact Name

Group: 1	C 200	Segment Group: 1
Segment: PER	C 3	PER - Administrative Communications Contact
0366	M AN 2	Contact Function Code
	M3 Application Description 'SR' = Sales representative or department or 'RE' = Receiving contact	
	M3 Application Specification Condition: g001/N1/e01_0098 equals 'SU' Condition: e02_0093 not equals blank Fixed data: "SR"	
	Condition: g001/N1/e01_0098 equals 'BY' Condition: e02_0093 not equals blank Fixed data: "RE"	
	XPath X12812/LOOP_N1_g001/PER/e01_0366	
Group: 4	C 9999999	Segment Group: 4
Segment: CDD	C 1	CDD - Credit/Debit Adjustment Detail
0212	C N 17	Unit Price
	M3 Application Description Sales price as Unit price	
	M3 Application Specification API dataMI program: OIS350MI Transaction: GetDelLine Field: SAPR	
	XPath X12812/LOOP_CDD_g004/CDD/e11_0212	
0236	C AN 3	Price Identifier Code
	M3 Application Description 'UCP' = Unit cost price as Price identifier Code	
	M3 Application Specification Fixed data: "UCP"	
	XPath X12812/LOOP_CDD_g004/CDD/e10_0236	

Group: 4		C 9999999	Segment Group: 4
Segment: CDD		C 1	CDD - Credit/Debit Adjustment Detail
0350		C AN 20	Assigned Identification
		M3 Application Description Counter as Assigned identification	
		M3 Application Specification Calculated data: Counter: Start value = 1 Increment = 1	
		XPath <i>X12812/LOOP_CDD_g004/CDD/e03_0350</i>	
0355		C AN 2	Unit or Basis for Measurement Code
		M3 Application Description Alternate U/M as Unit or basis for measurement code	
		M3 Application Specification API dataMI program: OIS350MI Transaction: GetDelLine Field: ALUN	
		M3 Data Translation Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g004/CDD" Data element: "e08_0355" Movex table: "OOHEAD" Movex field: "OAALUN"	
		XPath <i>X12812/LOOP_CDD_g004/CDD/e08_0355</i>	

Group: 4	C 9999999	Segment Group: 4
Segment: CDD	C 1	CDD - Credit/Debit Adjustment Detail
0426	M AN 2	Adjustment Reason Code
	M3 Application Description 'ZZ' = Mutually defined as Adjustment Reason Code M3 Application Specification API call: OIS350MI/LstInvLineByTyp Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field YEA4: MBMInit Output field: YEA4 Input field IVNO: MBMInit Output field: IVNO Input field INPX: MBMInit Output field: INPX Input field IVTP: "31" Note ! Add fields to SortingStructure SS_31 (ORNO,DLIX,PONR,PO SX,WHLO,AMT2); Note ! PONR = IVRF.substring(0,5); Note ! POSX = IVRF.substring(6,8); Read SS_31 Fixed data: "ZZ" XPath X12812/LOOP_CDD_g004/CDD/e01_0426	
0477	C N 10	Credit/Debit Quantity
	M3 Application Description Invoiced quantity - alternate U/M as Credit/Debit Quantity M3 Application Specification API call: OIS350MI/GetDelLine Input field CONO: MBMInit Output field: CONO Input field ORNO: SS_31 Data: ORNO Input field DLIX: SS_31 Data: DLIX Input field WHLO: SS_31 Data: WHLO Input field PONR: SS_31 Data: PONR Input field POSX: SS_31 Data: POSX Input field TEPY: OIS350MI/GetDelHead Output field: TEPY API dataMI program: OIS350MI Transaction: GetDelLine Field: QTY5 XPath X12812/LOOP_CDD_g004/CDD/e07_0477	

Group: 4	C 9999999	Segment Group: 4
Segment: CDD	C 1	CDD - Credit/Debit Adjustment Detail
0478	M AN 1	Credit/Debit Flag Code
	M3 Application Description 'C' = Credit or 'D' = Debit as Credit/Debit Flag M3 Application Specification Condition: OIS350MI/GetInvHead/IVTP equals "02" Fixed data: "C" else Fixed data: "D" XPath <i>X12812/LOOP_CDD_g004/CDD/e02_0478</i>	
0610	C N2 15	Amount
	M3 Application Description Invoiced amount foreign currency as Amount M3 Application Specification SS_31 Data: AMT2 XPath <i>X12812/LOOP_CDD_g004/CDD/e04_0610</i>	
Segment: LIN	C 1	LIN - Item Identification
0234	M AN 48	Product/Service ID
	M3 Application Description Alias number as Product/Service ID M3 Application Specification API dataMI program: OIS100MI Transaction: GetLine Field: POPN XPath <i>X12812/LOOP_CDD_g004/LIN/e03_0234</i>	
	M3 Application Description Item number as Product/Service ID M3 Application Specification API dataMI program: OIS100MI Transaction: GetLine Field: ITNO XPath <i>X12812/LOOP_CDD_g004/LIN/e05_0234</i>	



Group: 4	C 9999999	Segment Group: 4
Segment: LIN 0235	C 1 M AN 2 M3 Application Description 'EN' = European Article number or 'UP' = UPC Consumer package code or 'IN' = Buyers Item number as Product/Service ID Qualifier M3 Application Specification API call: OIS100MI/GetLine Input field CONO: MBMInit Output field: CONO Input field ORNO: SS_31 Data:ORNO Input field PONR: SS_31 Data: PONR Input field POSX: SS_31 Data: POSX Condition: OIS100MI/GetLine/ALWT equals "02" Condition: OIS100MI/GetLine/ALWQ equals "EA08" or "EA13" Fixed data: "EN" Condition: OIS100MI/GetLine/ALWT equals "02" Condition: OIS100MI/GetLine/ALWQ equals "UPC" Fixed data: "UP" Condition: OIS100MI/GetLine/ALWT equals "06" Fixed data: "IN" XPath X12812/LOOP_CDD_g004/LIN/e02_0235 M3 Application Description 'VN' = Vendors Item number as Product/Service ID Qualifier M3 Application Specification Fixed data: "VN" XPath X12812/LOOP_CDD_g004/LIN/e04_0235	LIN - Item Identification Product/Service ID Qualifier

Group: 4	C 9999999	Segment Group: 4
Segment: N9 0127	C 9999999 C AN 30 M3 Application Description Customer order number or Delivery Index or Order number as Reference Identification M3 Application Specification Loop 1: Condition Number of deliveries (NoOfDel) greater than 1 Condition: e01_0128 equals "CO" API dataMI program: OIS100MI Transaction: GetLine Field: CUOR Loop 2: Condition Number of deliveries (NoOfDel) greater than 1 Condition: e01_0128 equals "DO" SS_31 Data: DLIX Loop 2: Condition Number of deliveries (NoOfDel) greater than 1 Condition: e01_0128 equals "VN" SS_31 Data: ORNO XPath <i>X12812/LOOP_CDD_g004/N9/e02_0127</i>	N9 - Reference Identification Reference Identification
0128	M AN 3 M3 Application Description 'CO' = Customer order number or 'DO' = Delivery order number or 'VN' = Vendor order number as Reference Identification Qualifier M3 Application Specification Loop 1: Condition: e02_0127 not equals blank Fixed data: "CO" Loop 2: Condition: e02_0127 not equals blank Fixed data: "DO" Loop 3: Condition: e02_0127 not equals blank Fixed data: "VN" XPath <i>X12812/LOOP_CDD_g004/N9/e01_0128</i>	Reference Identification Qualifier



Group: 4	C 9999999	Segment Group: 4
Segment: N9	C 9999999	N9 - Reference Identification
Segment: SAC 0248	C 25 M AN 1 M3 Application Description 'A' = Allowance 'C' = Charge as Allowance or Charge indicator M3 Application Specification Read SS_67_32 Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 data equals "C" Fixed data: "C" Condition: SS_67_32 data equals "A" Fixed data: "A" XPath X12812/LOOP_CDD_g004/SAC/e01_0248	SAC - Service Allowance or Charge Indicator



Group: 4	C 9999999	Segment Group: 4
Segment: SAC 0332	C 25 C N 6 M3 Application Description Discount percentage as Percent M3 Application Specification Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "1" API dataMI program: OIS100MI Transaction: GetLine Field: DIP1 Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "2" API dataMI program: OIS100MI Transaction: GetLine Field: DIP2 Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "3" API dataMI program: OIS100MI Transaction: GetLine Field: DIP3 Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "4" API dataMI program: OIS100MI Transaction: GetLine Field: DIP4 Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "5" API dataMI program: OIS100MI Transaction: GetLine Field: DIP5 Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Condition: SS_67_32 Data: DISNO equals "6" API dataMI program: OIS100MI Transaction: GetLine Field: DIP6 XPath X12812/LOOP_CDD_g004/SAC/e07_0332	SAC - Service Percent



Group: 4	C 9999999	Segment Group: 4
Segment: SAC 0610	C 25 C N2 15 M3 Application Description Invoiced Amount foreign currency as Amount M3 Application Specification Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Data field SS_67_32 Data: AMT2 Condition: e01_0248 equals "C" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Data field SS_67_32 Data: AMT2 XPath X12812/LOOP_CDD_g004/SAC/e05_0610	SAC - Service Amount



Group: 4	C 9999999	Segment Group: 4
Segment: SAC 1300	C 25 C AN 4 M3 Application Description Discount number or Charge as Service M3 Application Specification Condition: e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX API call: OIS100MI/GetHead Input field CONO: MBMInit Output field: CONO Input field ORNO: SS_31 Data: ORNO Calculated data: (API dataMI program: OIS100MI Transaction: Gethead Field: DISY + SS_67_32 Data: DISNO Note: Concatenate fields. Condition: e01_0248 equals "C" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX SS_67_32 Data: CRID M3 Data Translation Condition:e01_0248 equals "A" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g004/SAC" Data element: "e02_1300" Conditional element: "e01_0248" Conditional data: "A" Movex table: "N/A" Movex field: "N/A" Condition:e01_0248 equals "C" Condition: SS_67_32 Data: ORNO/DLIX/PONR/PO SX equals SS_31 Data: ORNO/DLIX/PONR/PO SX Message standard: "X12" Version: "4010" Message: "812" Parent elements: "g004/SAC" Data element: "e02_1300" Conditional element: "e01_0248" Conditional data: "C" Movex table: "OOCHRG" Movex field: "USCRID" XPath X12812/LOOP_CDD_g004/SAC/e02_1300	SAC - Service Service