# Business Message Documentation

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|---|---|
| Application Type | **EDI Business Message (EBM)** |
| M3 version | **BE15** |
| M3 Business Message | **COI - Customer Order Invoice** |
| Message Direction | **Outbound** |
| Message Application | **X12 880 4010** |

| | |
|---|---|
| Map name | **M3BE15_COI_Out_X12_880_4010** |

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|---|---|
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# 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 | | | | |
| | G01 M 1 | | | G01 - Invoice Identification |
| | | | 0076 M | Invoice Number |
| | | | 0324 C | Purchase Order Number |
| | | | 0373 M | Date |
| | | | 0424 C | Vendor Order Number |
| | | | 0640 C | Transaction Type Code |
| | G23 C 20 | | | G23 - Terms of Sale |
| | | | 0333 M | Terms Basis Date Code |
| | | | 0336 M | Terms Type Code |
| | | | 0446 C | Terms Net Due Date |
| | G27 C 5 | | | G27 - Carrier Detail |
| | | | 0091 M | Transportation Method/Type Code |
| | G31 M 1 | | | G31 - Total Invoice Quantity |
| | | | 0355 M | Unit or Basis for Measurement Code |
| | | | 0382 M | Number of Units Shipped |
| | G33 M 1 | | | G33 - Total Dollars Summary |
| | | | 0610 M | Amount |
| | G62 C 5 | | | G62 - Date/Time |
| | | | 0373 C | Date |
| | | | 0432 C | Date Qualifier |

| Group | Segment | Composite /Element | Element | Description |
|---|---|---|---|---|
| 0 M 1 | | | | |
| | N9 C 10 | | | N9 - Reference Identification |
| | | | 0127 C | Reference Identification |
| | | | 0128 M | Reference Identification Qualifier |
| | NTE C 20 | | | NTE - Note/Special Instruction |
| | | | 0352 M | Description |
| | | | 0363 C | Note Reference Code |
| | ST M 1 | | | ST - Transaction Set Header |
| | | | 0143 M | Transaction Set Identifier Code |
| | | | 0329 M | Transaction Set Control Number |
| 1 C 10 | | | | Loop Id N1 |
| | N1 M 1 | | | N1 - Name |
| | | | 0067 C | Identification Code |
| | | | 0098 M | Entity Identifier Code |
| | N2 C 1 | | | N2 - Additional Name Information |
| | | | 0093 M | Name |
| | N3 C 2 | | | N3 - Address Information |
| | | | 0166 M | Address Information |
| | N4 C 1 | | | N4 - Geographic Location |
| | | | 0019 C | City Name |
| | | | 0026 C | Country Code |
| | | | 0116 C | Postal Code |

| Group | Segment | Composite /Element | Element | Description |
|---|---|---|---|---|
| 1 C 10 | | | | Loop Id N1 |
| | N4 C 1 | | | N4 - Geographic Location |
| | | | 0156 C | State or Province Code |
| 2 C 100 | | | | Loop Id G72 |
| | G72 C 1 | | | G72 - Allowance or Charge |
| | | | 0331 M | Allowance or Charge Method of Handling Code |
| | | | 0340 M | Allowance or Charge Code |
| | | | 0360 C | Allowance or Charge Total Amount |
| 3 C 9999 | | | | Loop Id G17 |
| | G17 C 1 | | | G17 - Item Detail - Invoice |
| | | | 0234 C | Product/Service ID |
| | | | 0235 C | Product/Service ID Qualifier |
| | | | 0355 M | Unit or Basis for Measurement Code |
| | | | 0358 M | Quantity Invoiced |
| | | | 0382 C | Number of Units Shipped |
| | | | 0782 C | Monetary Amount |
| | G19 C 10 | | | G19 - Line Item Detail - Quantity/ Unit of Measure/ Price Differences |
| | | | 0355 C | Unit or Basis for Measurement Code |
| | | | 0382 C | Number of Units Shipped |
| | | | 0383 C | Quantity Difference |

| Group | Segment | Composite /Element | Element | Description |
|---|---|---|---|---|
| 3 C 9999 | | | | Loop Id G17 |
| | G19 C 10 | | | G19 - Line Item Detail - Quantity/ Unit of Measure/ Price Differences |
| | G69 C 5 | | | G69 - Line Item Detail - Description |
| | | | 0369 M | Free-form Description |
| | N9 C 5 | | | N9 - Reference Identification |
| | | | 0127 C | Reference Identification |
| | | | 0128 M | Reference Identification Qualifier |
| 4 C 100 | | | | Loop Id G72 |
| | G72 C 1 | | | G72 - Allowance or Charge |
| | | | 0331 M | Allowance or Charge Method of Handling Code |
| | | | 0340 M | Allowance or Charge Code |
| | | | 0360 C | Allowance or Charge Total Amount |

# 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.

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 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 Specifiation**
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: G01 | **M 1** | G01 - Invoice Identification |
| 0076 | M AN 22 | Invoice Number |
| | **M3 Application Description**<br>Extended Invoice Number as Invoice number<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetInvHead Field: EXIN<br>**XPath**<br>*X12880/G01/e02_0076* | |
| 0324 | C AN 22 | Purchase Order Number |
| | **M3 Application Description**<br>Customers order number as Purchase order number<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>API dataMI program: OIS100MI Transaction: GetHead Output Field: CUOR<br>**XPath**<br>*X12880/G01/e04_0324* | |
| 0373 | M AN 8 | Date |
| | **M3 Application Description**<br>Invoice date as date<br>**M3 Application Specification**<br>API call:OIS350MI/GetInvHead<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: YEA4<br>Input field IVNO: IVNO<br>Input field INPX: INPX<br>API dataMI program: OIS350MI Transaction: GetInvHead Field: IDAT<br>**XPath**<br>*X12880/G01/e01_0373* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: G01 | **M 1** | G01 - Invoice Identification |
| 0373 | M AN 8 | Date |
| | **M3 Application Description**<br>Order date as Date<br>**M3 Application Specification**<br>API call: OIS350MI/LstDelHeadByInv<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: YEA4<br>Input field IVNO: IVNO<br>Input field INPX: INPX<br>Count number of occurences = deliveries<br><br>Condition: Number of deliveries equals 1<br>API call: OIS100MI/GetHead<br>Input field CONO: CONO<br>Input field ORNO: OIS350MI/LstDelHeadByInv Output Field: ORNO<br><br>API dataMI program: OIS100MI Transaction: GetHead Output Field: ORDT<br>**XPath**<br>*X12880/G01/e03_0373* | |
| 0424 | C AN 2222 | Vendor Order Number |
| | **M3 Application Description**<br>Order number as Vendor order number<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br><br>API dataMI program: OIS100MI Transaction: GetHead Output Field: ORNO<br>**XPath**<br>*X12880/G01/e05_0424* | |
| 0640 | C AN 2 | Transaction Type Code |
| | **M3 Application Description**<br>CN = Credit Invoice or DI = Debit Invoice<br>**M3 Application Specification**<br>Condition: if OIS350MI Transaction: GetInvHead Output Field: IVTP eq "02" Fixed data: "CN" else Fixed data: "DI"<br>**XPath**<br>*X12880/G01/e08_0640* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: G01 | **M 1** | G01 - Invoice Identification |
| 0640 | C AN 2 | Transaction Type Code |
| | **M3 Application Description**<br>CN = Credit Invoice or DI = Debit Invoice<br>**M3 Application Specification**<br>Condition: if OIS350MI Transaction: GetInvHead Output Field: IVTP eq "02" Fixed data: "CN" else Fixed data: "DI"<br>**XPath**<br>*X12880/G01/e08_0640* | |
| Segment: G23 | **C 20** | G23 - Terms of Sale |
| 0333 | M AN 2 | Terms Basis Date Code |
| | **M3 Application Description**<br>'ZZ' = Mutually defined<br>**M3 Application Specification**<br>Fixed data: "ZZ"<br>**XPath**<br>*X12880/G23/e02_0333* | |
| 0336 | M AN 2 | Terms Type Code |
| | **M3 Application Description**<br>'03' = Fixed date<br>**M3 Application Specification**<br>Fixed data: "03"<br>**XPath**<br>*X12880/G23/e01_0336* | |
| 0446 | C AN 8 | Terms Net Due Date |
| | **M3 Application Description**<br>Due Date as Terms net du date<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetInvHead Output Field: DUDT<br>**XPath**<br>*X12880/G23/e08_0446* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: G27 | **C 5** | G27 - Carrier Detail |
| 0091 | M AN 2 | Transportation Method/Type Code |
| | **M3 Application Description**<br>Delivery method as Transportation Method/Type code<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br><br>API dataMI program: OIS350MI Transaction: GetDelHead Output Field: MODL<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g000/G27" Data element: "e01_0091" Movex table: "OOHEAD" Movex field: "OAMODL"<br>**XPath**<br>*X12880/G27/e01_0091* | |
| Segment: G31 | **M 1** | G31 - Total Invoice Quantity |
| 0355 | M AN 2 | Unit or Basis for Measurement Code |
| | **M3 Application Description**<br>Alternate U/M as Unit or basis for measurement code<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: ALUN<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g000/G31" Data element: "e02_0355" Movex table: "OOHEAD" Movex field:"OAALUN"<br>**XPath**<br>*X12880/G31/e02_0355* | |
| 0382 | M N 10 | Number of Units Shipped |
| | **M3 Application Description**<br>Sum of Invoiced quantity as Number of units shipped<br>Calculated data: Sum all G17/e10_0382<br>**XPath**<br>*X12880/G31/e01_0382* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: G33 | **M 1** | G33 - Total Dollars Summary |
| 0610 | M N2 15 | Amount |
| | **M3 Application Description**<br>Ref field for amount due as Total invoice amount<br>**M3 Application Specification**<br><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: AMT2<br>**XPath**<br>*X12880/G33/e01_0610* | |
| Segment: G62 | **C 5** | G62 - Date/Time |
| 0373 | C AN 8 | Date |
| | **M3 Application Description**<br>'011' = Planned delivery date as Shipped on this date<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br><br>API call: OIS350MI/GetDelHead<br>Input field CONO: CONO<br>Input field ORNO: OIS350MI/LstDelHeadByInv Output Field: ORNO<br>Input field WHLO: OIS350MI/LstDelHeadByInv Output Field: WHLO<br>Input field DLIX: OIS350MI/LstDelHeadByInv Output Field: DLIX<br>Input field TEPY: OIS350MI/LstDelHeadByInv Output Field: TEPY<br><br>Condition: e01_0432 equals "11"<br>API dataMI program: OIS350MI Transaction: GetDelHead Output Field: DLDT<br>**XPath**<br>*X12880/G62/e02_0373* | |
| 0432 | C AN 2 | Date Qualifier |
| | **M3 Application Description**<br>'11' = Shipped on this date<br>**M3 Application Specification**<br>Fixed data: "11"<br>**XPath**<br>*X12880/G62/e01_0432* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: N9 | **C 10** | N9 - Reference Identification |
| 0127 | C AN 30 | Reference Identification |
| | **M3 Application Description**<br>'CO' = Customers order number as Customer order number<br>'DO' = Delivery index as Delivery order number<br>'VN' = Order number as Vendors order number<br>**M3 Application Specification**<br>Condition:<br><br>Number of deliveries equals 1<br>Condition: e01_0128 equals "CO"<br>API dataMI program: OIS100MI Transaction: GetHead Output Field: CUOR<br><br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "DO"<br>API dataMI program: OIS350MI Transaction: LstDelHeadByInv Output Field: DLIX<br><br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "VN"<br>API dataMI program: OIS100MI Transaction: GetHead Output Field: ORNO<br>**XPath**<br>*X12880/N9/e02_0127* | |
| 0128 | M AN 3 | Reference Identification Qualifier |
| | **M3 Application Description**<br>'CO' = Customer order number<br>'DO' = Delivery order number<br>'VN' = Vendor order number<br>**M3 Application Specification**<br>Fixed data: "CO" or "DO" or "VN"<br>**XPath**<br>*X12880/N9/e01_0128* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: NTE | **C 20** | NTE - Note/Special Instruction |
| 0352 | M AN 80 | Description |
| | **M3 Application Description**<br>Text as Description | |
| | **M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0363 equals "ZZZ"<br>First loop<br>API call: OIS100MI/GetHeadText<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field TYTR: "1"<br>Note: Save to Sorting Structure (SS). (TXID, LINO, TXV9, TX60)<br>Note: Limit of occurances of pre/post text eq twenty<br><br>Second loop<br>API call: OIS100MI/GetHeadText<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field TYTR: "2"<br>Note: Save to Sorting Structure (SS) (TXID, LINO, TXV9, TX60)<br>Note: Limit of occurances of pre/post text eq twenty<br><br>After Second loop<br>List SS<br>SS Data Field: TX60 | |
| | **XPath**<br>*X12880/NTE/e02_0352* | |
| 0363 | C AN 3 | Note Reference Code |
| | **M3 Application Description**<br>'ZZZ' = Mutually defined | |
| | **M3 Application Specification**<br>Fixed data: "ZZZ" | |
| | **M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g000/NTE" Data element: "e01_0363" Movex table: "N/A" Movex field: "N/A" | |
| | **XPath**<br>*X12880/NTE/e01_0363* | |

| Group: 0 | M 1 | Segment Group: 0 |
|---|---|---|
| Segment: NTE | C 20 | NTE - Note/Special Instruction |
| Segment: ST | M 1 | ST - Transaction Set Header |
| 0143 | M AN 3<br>**M3 Application Description**<br>'880' = Grocery Products Invoice<br>**M3 Application Specification**<br>Fixed data: "880"<br><br>Add userfunction MBMInit<br>Input field iMessageCopy: MBMInitiator/MessageCopy<br>Input field iMessageDate: MBMInitiator/MessageDate/DateAndTime/Date<br>Input field iMessageTime: MBMInitiator/MessageDate/DateAndTime/Time<br>Input field iMessageKey1: MBMInitiator/MessageKey1/Value<br>Input field iMessageKey2: MBMInitiator/MessageKey2/Value<br>Input field iMessageKey3: MBMInitiator/MessageKey3/Value<br>Input field iMessageKey4: MBMInitiator/MessageKey4/Value<br>Input field iMessageKey5: MBMInitiator/MessageKey5/Value<br><br>Output field oMessageCopy: iMessageCopy<br>Output field oMessageDate: iMessageDate<br>Output field oMessageTime: iMessageTime<br>Output field CONO: iMessageKey1<br>Output field DIVI: iMessageKey2<br>Output field ORNO: iMessageKey3<br>Output field YEA4: iMessageKey4<br>Output field INPX: iMessageKey5<br>Output field IVNO: iMessageKey6<br><br>**XPath**<br>*X12880/ST/e01_0143* | Transaction Set Identifier Code |
| 0329 | M AN 9<br>**M3 Application Description**<br>Transaction set control number<br>**M3 Application Specification**<br>Fixed data: "0001"<br>**XPath**<br>*X12880/ST/e02_0329* | Transaction Set Control Number |

| Group: 0 | M 1 | Segment Group: 0 |
| --- | --- | --- |
| Segment: ST<br>0329 | **M 1**<br>M AN 9<br>**M3 Application Description**<br>Transaction set control number<br>**M3 Application Specification**<br>Fixed data: "0001"<br>**XPath**<br>*X12880/ST/e02_0329* | ST - Transaction Set Header<br>Transaction Set Control Number |

| Group: 1 | C 10 | 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

'CN' = Delivery address ID as Consignee

'SU' = Company and division as Supplier/manufacturer

**M3 Application Specification**

Condition: e01_0098 equals "PO"

API dataMI program: OIS350MI Transaction: GetInvHead OutputField: INRC

API call: CRS886MI/CnvPtr

Input field CONO: CONO

Input field PTCG: "11"

Input field PAID: OIS350MI/GetInvHead Output Field: INRC

API dataMI program:CRS886MI MI Transaction: CnvPtr Output Field: PAAL.

Note ! if PAAL eq *Blank or NOK use INRC

Number of deliveries equals 1

Condition: e01_0098 equals "BY"

API dataMI program: OIS100MI Transaction: GetHead Output Field: CUNO

API call: CRS886MI/CnvPtr

Input field CONO: CONO

Input field PTCG: "11"

Input field PAID: OIS100MI/GetHead Output Field: CUNO

API dataMI program:CRS886MI MI Transaction: CnvPtr Output Field: PAAL.

Note ! if PAAL eq *Blank or NOK use CUNO

Number of deliveries equals 1

Condition: e01_0098 equals "CN"

API dataMI program: OIS100MI Transaction: GetHead Output Field: ADID

API call: CRS886MI/CnvPtr

Input field CONO: CONO

Input field PTCG: "12"

Input field PAID: OIS100MI/GetHead Output Field: CUNO

Input field PAI1: OIS100MI/GetHead Output Field: ADID

Input field PAAC: "21"

Note ! if PAAL eq *Blank or NOK use ADID

| Group: 1 | C 10 | 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

'CN' = Delivery address ID as Consignee

'SU' = Company and division as Supplier/manufacturer

**M3 Application Specification**

Condition: e01_0098 equals "SU"

API call: CRS886MI/CnvPtr

Input field CONO: CONO

Input field PTCG: "01"

Input field PAID: DIVI

API dataMI program:CRS886MI MI Transaction: CnvPtr Output 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: "880" 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: "880" 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 "CN"

Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "CN" Movex table: "OOHEAD" Movex field: "OAADID"

Condition: e01_0098 equals "SU"

Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "SU" Movex table: "n/a" Movex field: "n/a"

**XPath**

*X12880/LOOP_N1_g001/N1/e04_0067*

| Group: 1 | C 10 | Segment Group: 1 |
|---|---|---|
| Segment: N1 | **M 1** | N1 - Name |
| 0067 | C AN 80 | Identification Code |
| | **M3 Application Description**<br>'PO' = Invoice recipient as Party to receive invoice for goods or services<br>'BY' = Customer number as Buying party<br>'CN' = Delivery address ID as Consignee<br>'SU' = Company and division as Supplier/manufacturer | |
| 0098 | M AN 3 | Entity Identifier Code |
| | **M3 Application Description**<br>'PO' = Party to receive invoice for goods or services<br>'BY' = Buying party<br>'CN' = Consignee<br>'SU' = Supplier/manufacturer<br>**M3 Application Specification**<br>Fixed data: "PO" or "BY" or "CN" or "SU"<br>**XPath**<br>*X12880/LOOP_N1_g001/N1/e01_0098* | |
| Segment: N2 | **C 1** | N2 - Additional Name Information |
| 0093 | M AN 60 | Name |
| | **M3 Application Description**<br>'CN' = Customer name as Name<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API call OIS100MI/GetAddress<br>Input field CONO: CONO<br>Input field ORNO: OIS350MI/LstDelHeadByInv Output Field: ORNO<br>Input field ADRT: "01"<br><br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: CUNM<br>**XPath**<br>*X12880/LOOP_N1_g001/N2/e01_0093* | |

| Group: 1 | C 10 | Segment Group: 1 |
|---|---|---|
| Segment: N3<br>0166 | **C 2**<br>M AN 55 | N3 - Address Information<br>Address Information |
| | **M3 Application Description**<br>'CN' = Customer address 1 as Address information<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: CUA1<br>**XPath**<br>*X12880/LOOP_N1_g001/N3/e01_0166* | |
| | **M3 Application Description**<br>'CN' = Customer address 2 as Address information<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: CUA2<br>**XPath**<br>*X12880/LOOP_N1_g001/N3/e02_0166* | |
| Segment: N4<br>0019 | **C 1**<br>C AN 30 | N4 - Geographic Location<br>City Name |
| | **M3 Application Description**<br>Customer address 4 as City name<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: CUA4<br>**XPath**<br>*X12880/LOOP_N1_g001/N4/e01_0019* | |

| Group: 1 | C 10 | Segment Group: 1 |
|---|---|---|
| Segment: N4 | **C 1** | N4 - Geographic Location |
| 0026 | C AN 3 | Country Code |
| | **M3 Application Description**<br>Country as Country code<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: CSCD<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g001/N4" Data element: "e02_0026" Movex table: "OOADRE" Movex field: "ODCSCD"<br>**XPath**<br>*X12880/LOOP_N1_g001/N4/e04_0026* | |
| 0116 | C AN 15 | Postal Code |
| | **M3 Application Description**<br>Postal code as Postal code<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: PONO<br>**XPath**<br>*X12880/LOOP_N1_g001/N4/e03_0116* | |
| 0156 | C AN 2 | State or Province Code |
| | **M3 Application Description**<br>Area/state as State or province code<br>**M3 Application Specification**<br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Output Field: ECAR<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g001/N4" Data element: "e02_0156" Movex table: "OOADRE" Movex field: "ODECAR"<br>**XPath**<br>*X12880/LOOP_N1_g001/N4/e02_0156* | |

| | | |
|---|---|---|
| **Group: 1** | **C 10** | **Segment Group: 1** |
| Segment: **N4** | **C 1** | N4 - Geographic Location |
| **Group: 2** | **C 100** | **Segment Group: 2** |
| Segment: **G72** | **C 1** | G72 - Allowance or Charge |
| 0331 | M AN 2 | Allowance or Charge Method of Handling Code |

**M3 Application Description**

'ZZ' = Mutually defined

**M3 Application Specification**

Fixed data: "ZZ"

**XPath**

*X12880/LOOP_G72_g002/G72/e02_0331*

| Group: 2 | C 100 | Segment Group: 2 |
|---|---|---|
| Segment: G72 | **C 1** | G72 - Allowance or Charge |
| 0340 | M AN 3 | Allowance or Charge Code |

**M3 Application Description**

Condition: if Allowance: Discount model

if Charge: Charge Id

as Allowance or Charge code

**M3 Application Specification**

Loop 1 (Allowance)

API call: OIS350MI/LstInvLineByTyp

Input field CONO: CONO

Input field DIVI: DIVI

Input field YEA4: YEA4

Input field IVNO: IVNO

Input field INPX: INPX

Input field IVTP: "35"

Note: Save to SS_3560. ("A", DISY, AMT2)

API DataMi program: OIS100MI Transaction: GetHead Output Field: DISY

API DataMi program: OIS350MI Transaction: LstInvLineByType Output Field: AMT2

Note: If Number of deliveries greater than 1

API call: OIS100MI/GetHead

Inputfield CONO: CONO

Inputfield ORNO: OIS350MI/LstInvLineByType Output Field: ORNO

Loop 2 (Charge)

API call: OIS350MI/LstInvLineByTyp

Input field CONO: CONO

Input field DIVI: DIVI

Input field YEA4: YEA4

Input field IVNO: IVNO

Input field INPX: INPX

Input field IVTP: "60"

Note: Substring IVRF to CRID (Charge Id pos 1-6)

Note: Save to SS_3560. ("C", CRID, AMT2)

API DataMi program: OIS350MI Transaction: LstInvLineByType Output Field: AMT2

| Group: 2 | C 100 | Segment Group: 2 |
|---|---|---|
| Segment: G72 | **C 1** | G72 - Allowance or Charge |
| 0340 | M AN 3 | Allowance or Charge Code |
| | **M3 Application Description**<br>Condition: if Allowance: Discount model<br>if Charge: Charge Id<br>as Allowance or Charge code<br>**M3 Application Specification**<br>After Loop 2 read SS_3560 including Allowance IVTP=35 and Charge IVTP=60<br>Condition: If "A" Data fiels SS DISY<br>Condition: if "C" Data field SS CRID<br><br>For use in segment G72 at detail level<br>Loop 1:<br>API call: OIS350MI/LstInvLineByTyp<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: YEA4<br>Input field IVNO: IVNO<br>Input field INPX: INPX<br>Input field IVTP: "32"<br><br>Note: If Number of deliveries greater than 1<br>API call: OIS100MI/GetHead<br>Inputfield CONO: CONO<br>Inputfield ORNO: OIS350MI/LstInvLineByType Output Field: ORNO<br><br>Note: Save to SS_3267. Substring IVRF into line number PONR (pos 1-5), sub line POSX (pos 7-8), DISNO discount number (pos 10).<br>API DataMi program: OIS100MI Transaction: GetHead Output Field: DISY<br>API DataMi program: OIS350MI Transaction: LstInvLineByType Output Field: ORNO, AMT2<br><br>Note: Save to SS_3267. ("A",ORNO, PONR, POSX, DISY+DISNO, AMT2)<br><br>Loop 2:<br>API call: OIS350MI/LstInvLineByTyp<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: YEA4<br>Input field IVNO: IVNO | |

| Group: 2 | C 100 | Segment Group: 2 |
|---|---|---|
| Segment: G72 | **C 1** | G72 - Allowance or Charge |
| 0340 | M AN 3 | Allowance or Charge Code |
| | **M3 Application Description**<br>Condition: if Allowance: Discount model<br>if Charge: Charge Id<br>as Allowance or Charge code<br>**M3 Application Specification**<br>Input field INPX: INPX<br>Input field IVTP: "67"<br>Note: Save to SS_3267. Substring IVRF into line number PONR (pos 1-5), sub line POSX (pos 7-8), charge-ID CRID (pos 12-17).<br>API DataMi program: OIS350MI Transaction: LstInvLineByType Output Field: ORNO, AMT2<br><br>Note: Save to SS_3267. ("C", ORNO, PONR, POSX, CRID, AMT2)<br><br>**M3 Data Translation**<br>Condition:g000 / e01_0340 equals Allowance<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g000/G72" Data element: "e01_0340" Conditional element: "" Conditional data: "" Movex table: "OGDISY" Movex field: "DBDISY"<br><br>Condition:g000 / e01_0340 equals Charge<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g000/G72" Data element: "e01_0340" Conditional element: "" Conditional data: "" Movex table: "OOCHRG" Movex field: "OECRID"<br>**XPath**<br>*X12880/LOOP_G72_g002/G72/e01_0340* | |
| 0360 | C N2 15 | Allowance or Charge Total Amount |
| | **M3 Application Description**<br>Invoiced amount - foreign currency as Allowance or Charge Total amount<br>**M3 Application Specification**<br><br>Data field SS AMT2<br>**XPath**<br>*X12880/LOOP_G72_g002/G72/e08_0360* | |

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G17 | **C 1** | G17 - Item Detail - Invoice |
| 0234 | C AN 48 | Product/Service ID |

**M3 Application Description**

Item number as Vendor's item number

**M3 Application Specification**

API call: OIS100MI/GetLine

Input field CONO: CONO

Input field ORNO: ORNO

Input field PONR: PONR

Input field POSX: POSX

API dataMI program: OIS100MI Transaction: GetLine Output Field: ITNO

**XPath**

*X12880/LOOP_G17_g003/G17/e06_0234*

**M3 Application Description**

'EN' = Alias number as EAN code

'UP' = Alias number as UPC

'PI' = Alias number as Purchaser's item code

**M3 Application Specification**

API dataMI program: OIS100MI Transaction: GetLine Output Field: POPN

**XPath**

*X12880/LOOP_G17_g003/G17/e08_0234*

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G17 | **C 1** | G17 - Item Detail - Invoice |
| 0235 | C AN 22 | Product/Service ID Qualifier |
| | **M3 Application Description**<br>'EN' = Alias number as EAN code<br>'UP' = Alias number as UPC<br>'PI' = Alias number as Purchaser's Item Code<br>**M3 Application Specification**<br>Condition: ALWT equals "02"<br>Condition: ALWQ equals "EA08" or "EA13"<br>Fixed data: "EN"<br><br>Condition: ALWT equals "02" or "2"<br>Condition: ALWQ equals "UPC"<br>Fixed data: "UP"<br><br>Condition: ALWT equals "06" or "6"<br>Fixed data: "PI"<br>**XPath**<br>*X12880/LOOP_G17_g003/G17/e07_0235* | |
| | **M3 Application Description**<br>VN' = Vendor's item number<br>**M3 Application Specification**<br>Fixed data:"VN"<br>**XPath**<br>*X12880/LOOP_G17_g003/G17/e05_0235* | |
| 0355 | M AN 2 | Unit or Basis for Measurement Code |
| | **M3 Application Description**<br>Alternate U/M as Unit or basis for measurement code<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: ALUN<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g003/G17" Data element: "e02_0355" Movex table: "OOLINE" Movex field:"OAALUN"<br>**XPath**<br>*X12880/LOOP_G17_g003/G17/e02_0355* | |

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G17 | **C 1** | G17 - Item Detail - Invoice |
| 0355 | M 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 Output Field: ALUN

**M3 Data Translation**

Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g003/G17" Data element: "e11_0355" Movex table: "OOHEAD" Movex field: "OAALUN"

**XPath**

*X12880/LOOP_G17_g003/G17/e11_0355*

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G17 | **C 1** | G17 - Item Detail - Invoice |
| 0358 | M N 10 | Quantity Invoiced |

**M3 Application Description**

Invoiced quantity - alternate U/M as Quantity invoiced

**M3 Application Specification**

API call: OIS350MI/LstInvLineByTyp

Input field CONO: CONO

Input field DIVI: DIVI

Input field YEA4: YEA4

Input field IVNO: IVNO

Input field INPX: INPX

Input field IVTP: "31"

Note: Save to Sorting Structure (SS). Substring IVRF into PONR=line number (pos 1-5), POSX=sub line (pos 7-8).

Loop

List SS sorted by

Input field: DLIX: DLIX

Input field: ORNO: ORNO

Input field: PONR: pos 1-5 of IVRF

Input field: POSX: pos 7-8 of IVRF

Input field: WHLO: WHLO

API call: OIS350MI/GetDelLine

Input field CONO: CONO

Input field ORNO: ORNO

Input field DLIX: DLIX

Input field WHLO: WHLO

Input field PONR: PONR

Input field POSX: POSX

Input field TEPY: TEPY

API dataMI program: OIS350MI Transaction: GetDelLine Output Field: QTY5

**XPath**

*X12880/LOOP_G17_g003/G17/e01_0358*

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G17 | **C 1** | G17 - Item Detail - Invoice |
| 0382 | C N 10 | Number of Units Shipped |
| | **M3 Application Description**<br>Invoiced quantity - alternate U/M as Number of units shipped<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: QTY5<br>**XPath**<br>*X12880/LOOP_G17_g003/G17/e10_0382* | |
| 0782 | C N 18 | Monetary Amount |
| | **M3 Application Description**<br>Line amount - order currency as Monetary amount<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: LNAM<br>**XPath**<br>*X12880/LOOP_G17_g003/G17/e14_0782* | |
| Segment: G19 | **C 10** | G19 - Line Item Detail - Quantity/ Unit of Measure/Price Differences |
| 0355 | C AN 2 | Unit or Basis for Measurement Code |
| | **M3 Application Description**<br>Alternate U/M as Unit or basis for measurement code<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: ALUN<br>**M3 Data Translation**<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g003/G19" Data element: "e02_0355" Movex table: "OOHEAD" Movex field: "OAALUN"<br>**XPath**<br>*X12880/LOOP_G17_g003/G19/e02_0355* | |

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: G19 | **C 10** | G19 - Line Item Detail - Quantity/ Unit of Measure/Price Differences |
| 0382 | C N 10 | Number of Units Shipped |
| | **M3 Application Description**<br>Invoiced quantity - alternate U/M as Number of units shipped<br>**M3 Application Specification**<br>API dataMI program: OIS350MI Transaction: GetDelLine Output Field: QTY5<br>**XPath**<br>*X12880/LOOP_G17_g003/G19/e01_0382* | |
| 0383 | C N 9 | Quantity Difference |
| | **M3 Application Description**<br>Invoiced quantity less/more Ordered quantity as Quantity difference<br>**M3 Application Specification**<br>Calculated data: API dataMI program: OIS100MI Transaction: GetLine Field: ORQA - (minus) API dataMI program: OIS350MI Transaction: GetDelLine Field: QTY5<br>Condition: Calculated data != 0<br>**XPath**<br>*X12880/LOOP_G17_g003/G19/e03_0383* | |
| Segment: G69 | **C 5** | G69 - Line Item Detail - Description |
| 0369 | M AN 45 | Free-form Description |
| | **M3 Application Description**<br>Item description as Description<br>**M3 Application Specification**<br>API dataMI program: OIS100MI Transaction: GetLine Output Field: ITDS<br>**XPath**<br>*X12880/LOOP_G17_g003/G69/e01_0369* | |

| Group: 3 | C 9999 | Segment Group: 3 |
|---|---|---|
| Segment: N9 | **C 5** | N9 - Reference Identification |
| 0127 | C AN 30 | Reference Identification |
| | **M3 Application Description**<br>'CO' = Customer order number as Customer order number<br>'DO' = Delivery index as Delivery order number<br>'VN' = Customer order number as Vendor order number<br>**M3 Application Specification**<br>Condition Number of delivery heads greater than 1<br>Condition: e01_0128 equals "DO"<br>Output from field DLIX in SS(Sorting Structure)<br><br>Condition: e01_0128 equals "CO"<br>API dataMI program: OIS100MI Transaction: GetLine Output Field: CUOR<br><br>Condition: e01_0128 equals "VN"<br>Output from field ORNO in SS(Sorting Structure)<br>**XPath**<br>*X12880/LOOP_G17_g003/N9/e02_0127* | |
| 0128 | M AN 3 | Reference Identification Qualifier |
| | **M3 Application Description**<br>'CO' = Customer order number<br>'DO' = Delivery order number<br>'VN' = Vendor order number<br>**M3 Application Specification**<br>Fixed data: "CO" or "DO" or "VN"<br>**XPath**<br>*X12880/LOOP_G17_g003/N9/e01_0128* | |

| Group: 4 | C 100 | Segment Group: 4 |
|---|---|---|
| Segment: G72 | C 1 | G72 - Allowance or Charge |
| 0331 | M AN 2 | Allowance or Charge Method of Handling Code |
| | **M3 Application Description**<br>'ZZ' = Mutually defined<br>**M3 Application Specification**<br>Fixed data: "ZZ"<br>**XPath**<br>*X12880/LOOP_G17_g003/LOOP_G72_g004/G72/e02_0331* | |
| 0340 | M AN 3 | Allowance or Charge Code |
| | **M3 Application Description**<br>Condition: If Allowance, Discount model and number as Allowance Code<br>If Charge, Charge Id as Charge Code<br>**M3 Application Specification**<br>List SS_3267 including Allowance IVTP=32 and Charge IVTP=67<br>Condition: SS_3267 - ORNO/PONR/POSX equals current ORNO/ PONR/POSX<br>Condition: If "A" Data fiels SS DISY/DISNO (Calculated data: API dataMI program: OIS100MI Transaction: Gethead Field: DISY + DISNO (Substring of IVRF from SS pos 10))<br>Condition: if "C" Data field SS CRID (Substring of IVRF from SS pos 12 - 17)<br>**M3 Data Translation**<br>Condition:Allowance<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g004/G72" Data element: "e01_0340" Conditional element: "" Conditional data: "" Movex table: "N/A" Movex field: "N/A"<br>Condition:Charge<br>Message standard: "X12" Version: "4010" Message: "880" Parent elements: "g004/G72" Data element: "e01_0340" Conditional element: "" Conditional data: "" Movex table: "OOCHRG" Movex field: "USCRID"<br>**XPath**<br>*X12880/LOOP_G17_g003/LOOP_G72_g004/G72/e01_0340* | |

| Group: 4 | C 100 | Segment Group: 4 |
|---|---|---|
| Segment: G72 | **C 1** | G72 - Allowance or Charge |
| 0360 | C N2 15 | Allowance or Charge Total Amount |

**M3 Application Description**

Invoice Amount- foreignl currency as Allowance or Charge Total amount

**M3 Application Specification**

Loop 1 (Allowance)

Condition: SS ORNO/PONR/POSX equals current ORNO/PONR/POSX

Data field SS AMT2

Loop 2 (Charge)

Condition: SS ORNO/PONR/POSX equals current ORNO/PONR/POSX

Data field SS AMT2

**XPath**

*X12880/LOOP_G17_g003/LOOP_G72_g004/G72/e08_0360*