



# Business Message Documentation

|                     |                                     |
|---------------------|-------------------------------------|
| Application Type    | <b>EDI Business Message (EBM)</b>   |
| M3 version          | <b>BE15</b>                         |
| M3 Business Message | <b>COI - Customer Order Invoice</b> |
| Message Direction   | <b>Outbound</b>                     |
| Message Application | <b>X12 810 4010</b>                 |

|          |                                    |
|----------|------------------------------------|
| Map name | <b>M3BE15_COI_Out_X12_810_4010</b> |
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|             |  |
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| Source file | M3BE15_COI_Out_X12_810_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 |               |                    |         |                                     |
|       | AMT C 9999999 |                    |         | AMT - Monetary Amount               |
|       |               |                    | 0478 C  | Credit/Debit Flag Code              |
|       |               |                    | 0522 M  | Amount Qualifier Code               |
|       |               |                    | 0782 M  | Monetary Amount                     |
|       | BIG M 1       |                    |         | BIG - Beginning Segment for Invoice |
|       |               |                    | 0076 M  | Invoice Number                      |
|       |               |                    | 0324 C  | Purchase Order Number               |
|       |               |                    | 0373 M  | Date                                |
|       |               |                    | 0640 C  | Transaction Type Code               |
|       | CAD C 1       |                    |         | CAD - Carrier Detail                |
|       |               |                    | 0091 C  | Transportation Method/Type Code     |
|       | CTT C 1       |                    |         | CTT - Transaction Totals            |
|       |               |                    | 0354 M  | Number of Line Items                |
|       | CUR C 1       |                    |         | CUR - Currency                      |
|       |               |                    | 0098 M  | Entity Identifier Code              |
|       |               |                    | 0100 M  | Currency Code                       |
|       | DTM C 10      |                    |         | DTM - Date/Time Reference           |
|       |               |                    | 0373 C  | Date                                |
|       |               |                    | 0374 M  | Date/Time Qualifier                 |
|       |               |                    | 1250 C  | Date Time Period Format Qualifier   |

| Group   | Segment       | Composite /Element | Element | Description  |
|---------|---------------|--------------------|---------|--|
| 0 M 1   |               |                    |         |  |
|         | FOB C 1       |                    | 0335 C  | FOB - F.O.B.<br>Related Instructions<br>Transportation<br>Terms Code |
|         | ITD C 9999999 |                    | 0336 C  | ITD - Terms of Sale/<br>Deferred Terms of<br>Sale<br>Terms Type Code |
|         |               |                    | 0446 C  | Terms Net Due Date   |
|         | REF C 12      |                    | 0127 C  | REF - Reference<br>Identification<br>Reference<br>Identification     |
|         |               |                    | 0128 M  | Reference<br>Identification<br>Qualifier                             |
|         | ST M 1        |                    | 0143 M  | ST - Transaction<br>Set Header<br>Transaction Set<br>Identifier Code |
|         |               |                    | 0329 M  | Transaction Set<br>Control Number                                    |
|         | TDS M 1       |                    | 0610 M  | TDS - Total<br>Monetary Value<br>Summary<br>Amount                   |
|         | TXI C 10      |                    | 0782 C  | TXI - Tax<br>Information<br>Monetary Amount                          |
|         |               |                    | 0954 C  | Percent  |
|         |               |                    | 0963 M  | Tax Type Code  |
| 1 C 200 |               |                    |         | Loop Id N1   |
|         | N1 C 1        |                    | 0067 C  | N1 - Name<br>Identification Code                                     |

| Group   | Segment  | Composite /Element | Element                              | Description  |
|---------|----------|--------------------|--------------------------------------|--|
| 1 C 200 |          |                    |                                      | Loop Id N1   |
|         | N1 C 1   |                    | 0098 M                               | N1 - Name<br>Entity Identifier<br>Code   |
|         | N2 C 2   |                    | 0093 M                               | N2 - Additional<br>Name Information<br>Name  |
|         | N3 C 2   |                    | 0166 M                               | N3 - Address<br>Information<br>Address Information   |
|         | N4 C 1   |                    | 0019 C<br>0026 C<br>0116 C<br>0156 C | N4 - Geographic<br>Location<br>City Name<br>Country Code<br>Postal Code<br>State or Province<br>Code |
|         | PER C 3  |                    | 0093 C<br>0366 M                     | PER -<br>Administrative<br>Communications<br>Contact<br>Name<br>Contact Function<br>Code             |
|         | REF C 12 |                    | 0127 C<br>0128 M                     | REF - Reference<br>Identification<br>Reference<br>Identification<br>Qualifier                        |
| 3 C 1   |          |                    |                                      | Loop Id N9   |
|         | MSG C 10 |                    | 0933 M                               | MSG - Message<br>Text<br>Free-Form<br>Message Text   |

| Group      | Segment       | Composite /Element | Element | Description   |
|------------|---------------|--------------------|---------|---|
| 3 C 1      |               |                    |         | Loop Id N9  |
|            | MSG C 10      |                    |         | MSG - Message Text  |
|            | N9 C 1        |                    | 0128 M  | N9 - Reference Identification<br>Reference Identification Qualifier |
| 6 C 200000 |               |                    |         | Loop Id IT1   |
|            | CAD C 9999999 |                    | 0091 C  | CAD - Carrier Detail Transportation Method/Type Code                |
|            | DTM C 10      |                    | 0373 C  | DTM - Date/Time Reference Date                                      |
|            |               |                    | 0374 M  | Date/Time Qualifier   |
|            |               |                    | 1250 C  | Date Time Period Format Qualifier                                   |
|            | IT1 C 1       |                    | 0212 C  | IT1 - Baseline Item Data (Invoice) Unit Price                       |
|            |               |                    | 0234 C  | Product/Service ID  |
|            |               |                    | 0235 C  | Product/Service ID Qualifier  |
|            |               |                    | 0350 C  | Assigned Identification   |
|            |               |                    | 0355 C  | Unit or Basis for Measurement Code                                  |
|            |               |                    | 0358 C  | Quantity Invoiced   |
|            |               |                    | 0639 C  | Basis of Unit Price Code  |
|            | IT3 C 5       |                    | 0382 C  | IT3 - Additional Item Data<br>Number of Units Shipped               |



| Group      | Segment       | Composite /Element | Element | Description  |
|------------|---------------|--------------------|---------|--|
| 6 C 200000 |               |                    |         | Loop Id IT1  |
|            | IT3 C 5       |                    | 0383 C  | IT3 - Additional Item Data<br>Quantity Difference          |
|            | REF C 9999999 |                    | 0127 C  | REF - Reference Identification<br>Reference Identification |
|            |               |                    | 0128 M  | Reference Identification Qualifier                         |
|            | TXI C 10      |                    | 0954 C  | TXI - Tax Information<br>Percent                           |
|            |               |                    | 0963 M  | Tax Type Code  |
| 7 C 1000   |               |                    |         | Loop Id PID  |
|            | PID C 1       |                    | 0349 M  | PID - Product/Item Description<br>Item Description Type    |
|            |               |                    | 0352 C  | Description  |
| 8 C 25     |               |                    |         | Loop Id SAC  |
|            | SAC C 1       |                    | 0248 M  | SAC - Service Allowance or Charge Indicator                |
|            |               |                    | 0332 C  | Percent  |
|            |               |                    | 0610 C  | Amount   |
|            |               |                    | 1300 C  | Service  |
|            | TXI C 10      |                    | 0954 C  | TXI - Tax Information<br>Percent                           |
|            |               |                    | 0963 M  | Tax Type Code  |



| Group    | Segment  | Composite /Element | Element                              | Description  |
|----------|----------|--------------------|--------------------------------------|--|
| 10 C 200 |          |                    |                                      | Loop Id N1   |
|          | N1 C 1   |                    | 0067 C<br>0098 M                     | N1 - Name<br>Identification Code<br>Entity Identifier<br>Code  |
|          | N2 C 2   |                    | 0093 M                               | N2 - Additional<br>Name Information<br>Name  |
|          | N3 C 2   |                    | 0166 M                               | N3 - Address<br>Information<br>Address Information   |
|          | N4 C 1   |                    | 0019 C<br>0026 C<br>0116 C<br>0156 C | N4 - Geographic<br>Location<br>City Name<br>Country Code<br>Postal Code<br>State or Province<br>Code |
| 14 C 25  |          |                    |                                      | Loop Id SAC  |
|          | SAC C 1  |                    | 0248 M<br>0332 C<br>0610 C<br>1300 C | SAC - Service<br>Allowance or<br>Charge Indicator<br>Percent<br>Amount<br>Service                    |
|          | TXI C 10 |                    | 0954 C<br>0963 M                     | TXI - Tax<br>Information<br>Percent<br>Tax Type Code   |



## 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: <b>AMT</b><br>0478 | <b>C 9999999</b><br>C AN 1<br><b>M3 Application Description</b><br>'C' = Credit<br>'D' = Debit<br><b>M3 Application Specification</b><br>Calculated data:<br>Condition: e02_0782 less than 0<br>Fixed data: "C"<br>Condition: e02_0782 greater than or equals 0<br>Fixed data: "D"<br><b>XPath</b><br>X12810/AMT/e03_0478 | AMT - Monetary Amount<br>Credit/Debit Flag Code |
| 0522                        | M AN 3<br><b>M3 Application Description</b><br>'1' = Line item total<br>'5' = Total invoice amount<br>'8' = Total monetary discount amount<br><b>M3 Application Specification</b><br>Fixed data: "1" or "5" or "8"<br><b>XPath</b><br>X12810/AMT/e01_0522   | Amount Qualifier Code                           |

| Group: 0                    | M 1  | Segment Group: 0                         |
|-----------------------------|--|--|
| Segment: <b>AMT</b><br>0782 | <b>C 9999999</b><br>M N 18<br><b>M3 Application Description</b><br>'1' = Total line amount as Line item total<br>'5' = Amount due as Total invoice amount<br>'8' = Total charges as Total monetary discount amount<br><b>M3 Application Specification</b><br>Condition: e01_0522 equals "1"<br>Loop<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: "31"<br><br>Calculated data: Sum(API dataMI program: OIS350MI Transaction:<br>LstInvLineByTyp Field: AMT2)<br><br>Condition: e01_0522 equals "5"<br>API dataMI program: OIS350MI Transaction: GetInvHead Field: AMT2<br><br>Condition: e01_0522 equals "8"<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: "35"<br>Loop 1.1<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>Calculated data: Sum(API dataMI program: OIS350MI Transaction:<br>LstInvLineByTyp Field: AMT2)<br><b>XPath</b><br>X12810/AMT/e02_0782 | AMT - Monetary Amount<br>Monetary Amount |

| Group: 0                    | M 1  | Segment Group: 0                                      |
|-----------------------------|--|---|
| Segment: <b>AMT</b><br>0782 | <b>C 9999999</b><br>M N 18<br><b>M3 Application Description</b><br>'1' = Total line amount as Line item total<br>'5' = Amount due as Total invoice amount<br>'8' = Total charges as Total monetary discount amount   | AMT - Monetary Amount<br>Monetary Amount              |
| Segment: <b>BIG</b><br>0076 | <b>M 1</b><br>M AN 22<br><b>M3 Application Description</b><br>Extended Invoice Number as Invoice number<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: EXIN<br><b>XPath</b><br><i>X12810/BIG/e02_0076</i>   | BIG - Beginning Segment for Invoice<br>Invoice Number |
| 0324                        | C AN 22<br><b>M3 Application Description</b><br>Customer order number as Purchase order number<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>API dataMI program: OIS100MI Transaction: GetHead Field: CUOR<br><b>XPath</b><br><i>X12810/BIG/e04_0324</i>   | Purchase Order Number                                 |
| 0373                        | M AN 8<br><b>M3 Application Description</b><br>Invoice date as date<br><b>M3 Application Specification</b><br>API call:OIS350MI/GetInvHead<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: MBMInitiator/MessageKey4<br>Input field IVNO: MBMInitiator/MessageKey6<br>Input field INPX: MBMInitiator/MessageKey5<br><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: IDAT<br><b>XPath</b><br><i>X12810/BIG/e01_0373</i> | Date  |



| Group: 0            | M 1  | Segment Group: 0                    |
|---------------------|--|-------------------------------------|
| Segment: <b>BIG</b> | <b>M 1</b>   | BIG - Beginning Segment for Invoice |
| 0373                | M AN 8   | Date                                |
|                     | <b>M3 Application Description</b><br>Invoice date as date  |                                     |
|                     | <b>M3 Application Specification</b><br>API call: OIS350MI/GetInvHead<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field YEA4: MBMInitiator/MessageKey4<br>Input field IVNO: MBMInitiator/MessageKey6<br>Input field INPX: MBMInitiator/MessageKey5<br><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: IDAT<br><b>XPath</b><br><i>X12810/BIG/e01_0373</i>   |                                     |
|                     | <b>M3 Application Description</b><br>Order date as Date  |                                     |
|                     | <b>M3 Application Specification</b><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><br>Condition: Number of deliveries equals 1<br>API call: OIS100MI/GetHead<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br><br>API dataMI program: OIS100MI Transaction: GetHead Field: ORDT<br><b>XPath</b><br><i>X12810/BIG/e03_0373</i> |                                     |

| Group: 0            | M 1  | Segment Group: 0                    |
|---------------------|--|-------------------------------------|
| Segment: <b>BIG</b> | <b>M 1</b>   | BIG - Beginning Segment for Invoice |
| 0640                | C AN 2   | Transaction Type Code               |
|                     | <b>M3 Application Description</b><br>'CN' = Credit invoice<br><b>M3 Application Specification</b><br>Condition: OIS350MI/GetInvHead/IVTP equals "02"<br>Fixed data: "CN"<br><b>XPath</b><br><i>X12810/BIG/e07_0640</i>   |                                     |
| Segment: <b>CAD</b> | <b>C 1</b>   | CAD - Carrier Detail                |
| 0091                | C AN 2   | Transportation Method/Type Code     |
|                     | <b>M3 Application Description</b><br>Delivery method as Transportation method<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br><br>API dataMI program: OIS350MI Transaction: GetDelHead Field: MODL<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "CAD" Data element: "e01_0091" Movex table: "OOHEAD" Movex field: "OAMODL"<br><b>XPath</b><br><i>X12810/CAD/e01_0091</i> |                                     |
| Segment: <b>CTT</b> | <b>C 1</b>   | CTT - Transaction Totals            |
| 0354                | M NO 6   | Number of Line Items                |
|                     | <b>M3 Application Description</b><br>Total number of line items<br><b>M3 Application Specification</b><br>Calculated data: Count IT1-segments.<br><b>XPath</b><br><i>X12810/CTT/e01_0354</i>   |                                     |

| Group: 0                    | M 1   | Segment Group: 0                         |
|-----------------------------|---|--|
| Segment: <b>CUR</b><br>0098 | <b>C 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'VN' = Vendor<br><b>M3 Application Specification</b><br>Fixed data: "VN"<br><b>XPath</b><br><i>X12810/CUR/e01_0098</i>   | CUR - Currency<br>Entity Identifier Code |
| 0100                        | M AN 3<br><b>M3 Application Description</b><br>Currency code 1 as Cuurrency code<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: CUC1<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "CUR" Data element: "e02_0100" Movex table: "OOHEAD" Movex field: "OACUCD"<br><b>XPath</b><br><i>X12810/CUR/e02_0100</i> | Currency Code                            |
| Segment: <b>DTM</b><br>0373 | <b>C 10</b><br>C AN 8<br><b>M3 Application Description</b><br>'011' = Planned delivery date as Shipped date<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0374 equals "011"<br>API dataMI program: OIS350MI Transaction: GetDelHead Field: DLDT<br><b>XPath</b><br><i>X12810/DTM/e02_0373</i>  | DTM - Date/Time Reference<br>Date        |
| 0374                        | M AN 3<br><b>M3 Application Description</b><br>'011' = Shipped<br><b>M3 Application Specification</b><br>Fixed data: "011"<br><b>XPath</b><br><i>X12810/DTM/e01_0374</i>  | Date/Time Qualifier                      |





| Group: 0                    | M 1  | Segment Group: 0   |
|-----------------------------|--|--|
| Segment: <b>DTM</b><br>0374 | <b>C 10</b><br>M AN 3<br><b>M3 Application Description</b><br>'011' = Shipped<br><b>M3 Application Specification</b><br>Fixed data: "011"  | DTM - Date/Time Reference<br>Date/Time Qualifier                 |
| 1250                        | C AN 3<br><b>M3 Application Description</b><br>'D8' = Date format CCYYMMDD<br><b>M3 Application Specification</b><br>Fixed data: "D8"<br><b>XPath</b><br><i>X12810/DTM/e05_1250</i>  | Date Time Period Format Qualifier                                |
| Segment: <b>FOB</b><br>0335 | <b>C 1</b><br>C AN 3<br><b>M3 Application Description</b><br>Delivery terms as Transportation terms code<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: TEDL<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "FOB" Data element: "e05_0335" Movex table: "OOHEAD" Movex field: "OATEDL"<br><b>XPath</b><br><i>X12810/FOB/e05_0335</i> | FOB - F.O.B. Related Instructions<br>Transportation Terms Code   |
| Segment: <b>ITD</b><br>0336 | <b>C 9999999</b><br>C AN 2<br><b>M3 Application Description</b><br>'03' = Fixed date<br><b>M3 Application Specification</b><br>Fixed data: "03"<br><b>XPath</b><br><i>X12810/ITD/e01_0336</i>  | ITD - Terms of Sale/Deferred<br>Terms of Sale<br>Terms Type Code |

| Group: 0            | M 1  | Segment Group: 0                           |
|---------------------|--|--|
| Segment: <b>ITD</b> | <b>C 9999999</b>   | ITD - Terms of Sale/Deferred Terms of Sale |
| 0446                | C AN 8   | Terms Net Due Date                         |
|                     | <b>M3 Application Description</b><br>'03' = Due date as Terms net due date<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: DUDT<br><b>XPath</b><br><i>X12810/ITD/e06_0446</i>  |  |
| Segment: <b>REF</b> | <b>C 12</b>  | REF - Reference Identification             |
| 0127                | C AN 30  | Reference Identification                   |
|                     | <b>M3 Application Description</b><br>'CO' = Customer's order number as Customer order number<br>'DO' = Delivery index as Delivery order number<br>'VN' = Customer order number as Vendor's order number<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "CO"<br>API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: CUOR<br><br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "DO"<br>API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: DLIX<br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "VN"<br>API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: ORNO<br><b>XPath</b><br><i>X12810/REF/e02_0127</i> |  |
| 0128                | M AN 3   | Reference Identification Qualifier         |
|                     | <b>M3 Application Description</b><br>'CO' = Customer order number<br>'DO' = Delivery order number<br>'VN' = Vendor order number<br><b>M3 Application Specification</b><br>Fixed data: "CO" or "DO" or "VN"<br><b>XPath</b><br><i>X12810/REF/e01_0128</i>   |  |

| Group: 0                    | M 1   | Segment Group: 0   |
|-----------------------------|---|--|
| Segment: <b>REF</b><br>0128 | <b>C 12</b><br>M AN 3<br><b>M3 Application Description</b><br>'CO' = Customer order number<br>'DO' = Delivery order number<br>'VN' = Vendor order number<br><b>M3 Application Specification</b><br>Fixed data: "CO" or "DO" or "VN"<br><b>XPath</b><br><i>X12810/REF/e01_0128</i> | REF - Reference Identification<br>Reference Identification Qualifier |
| Segment: <b>ST</b><br>0143  | <b>M 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'810' = Invoice<br><b>M3 Application Specification</b><br>Fixed data: "810"<br><b>XPath</b><br><i>X12810/ST/e01_0143</i>   | ST - Transaction Set Header<br>Transaction Set Identifier Code       |
| 0329                        | M AN 9<br><b>M3 Application Description</b><br>Transaction set control number<br><b>M3 Application Specification</b><br>Fixed data: "0001"<br><b>XPath</b><br><i>X12810/ST/e02_0329</i>   | Transaction Set Control Number                                       |
| Segment: <b>TDS</b><br>0610 | <b>M 1</b><br>M N2 15<br><b>M3 Application Description</b><br>Amount due as Total amount of invoice<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetInvHead Field: AMT2<br><b>XPath</b><br><i>X12810/TDS/e01_0610</i>                      | TDS - Total Monetary Value<br>Summary<br>Amount                      |

| Group: 0                    | M 1   | Segment Group: 0                         |
|-----------------------------|---|--|
| Segment: <b>TXI</b><br>0782 | <b>C 10</b><br>C N 18<br><b>M3 Application Description</b><br>Invoiced amount, foreign currency as Monetary amount<br><b>M3 Application Specification</b><br>Calculated data: Sum(API dataMI program: OIS350MI Transaction:<br>LstInvLineByTyp Field: AMT2) for each unique IVRF(pos 1-2)<br><b>XPath</b><br><i>X12810/TXI/e02_0782</i>   | TXI - Tax Information<br>Monetary Amount |
| 0954                        | C N 10<br><b>M3 Application Description</b><br>VAT-code as Percent<br><b>M3 Application Specification</b><br>Loop<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: "40"<br>Calculated data: Unique(API dataMI program: OIS350MI Transaction:<br>LstInvLineByTyp Field: IVRF(pos 1-2))<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent<br>elements: "TXI" Data element: "e03_0954" Movex table: "OOHEAD"<br>Movex field: "OAVTCD"<br><b>XPath</b><br><i>X12810/TXI/e03_0954</i> | Percent                                  |
| 0963                        | M AN 2<br><b>M3 Application Description</b><br>'VA' = Value added tax<br><b>M3 Application Specification</b><br>Fixed data: "VA"<br><b>XPath</b><br><i>X12810/TXI/e01_0963</i>  | Tax Type Code                            |

| Group: 1   | C 200   | Segment Group: 1    |
|--|---------|---------------------|
| Segment: N1  | C 1     | N1 - Name           |
| 0067   | C AN 80 | Identification Code |
| <b>M3 Application Description</b>  |         |                     |
| '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                       |         |                     |
| <b>M3 Application Specification</b>  |         |                     |
| Condition: INRC not equals CUNO  |         |                     |
| Condition: e01_0098 equals "PO"  |         |                     |
| API dataMI program: OIS350MI Transaction: GetInvHead Field: INRC           |         |                     |
| API call: CRS886MI/CvtPtr  |         |                     |
| Input field CONO: CONO   |         |                     |
| Input field PTCG: "11"   |         |                     |
| Input field PAID: INRC Output from OIS350MI/GetInvHead Field: INRC         |         |                     |
| API dataMI program: CRS886MI MI Transaction: CnvPtr Field: PAAL.           |         |                     |
| Note ! if PAAL eq *Blank or NOK use INRC                                   |         |                     |
|  |         |                     |
| Condition: e01_0098 equals "BY"  |         |                     |
| API dataMI program: OIS350MI Transaction: LstDelHeadByInv Field: CUNO      |         |                     |
| API call: CRS886MI/CvtPtr  |         |                     |
| Input field CONO: CONO   |         |                     |
| Input field PTCG: "11"   |         |                     |
| Input field PAID: CUNO Output from OIS350MI/LstDelHeadByInv Field: CUNO    |         |                     |
| API dataMI program: CRS886MI MI Transaction: CnvPtr Field: PAAL.           |         |                     |
| Note ! if PAAL eq *Blank or NOK use CUNO                                   |         |                     |
|  |         |                     |
| Condition: e01_0098 equals "CN"  |         |                     |
| API dataMI program: OIS100MI Transaction: GetHead Field: ADID              |         |                     |
| API call: CRS886MI/CvtPtr  |         |                     |
| Input field CONO: CONO   |         |                     |
| Input field PTCG: "12"   |         |                     |
| Input field PAID: CUNO Output from OIS350MI/LstDelHeadByInv Field: CUNO    |         |                     |
| Input field PAI1: ADID Output from OIS100MI/GetHead Field: ADID            |         |                     |
| Input field PAAC: "21"   |         |                     |
|  |         |                     |
| Condition: e01_0098 equals "SU"  |         |                     |
| API call: CRS886MI/CvtPtr  |         |                     |



| Group: 1  | C 200   | Segment Group: 1    |
|---|---------|---------------------|
| Segment: N1   | C 1     | N1 - Name           |
| 0067  | C AN 80 | Identification Code |
| <b>M3 Application Description</b>   |         |                     |
| '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  |         |                     |
| <b>M3 Application Specification</b>   |         |                     |
| Input field CONO: CONO  |         |                     |
| Input field PTCG: "01"  |         |                     |
| Input field PAID: DIVI  |         |                     |
| API dataMI program:CRS886MI MI Transaction: CnvPtr Field: PAAL.   |         |                     |
| Note ! if PAAL eq *Blank or NOK use DIVI  |         |                     |
| <b>M3 Data Translation</b>  |         |                     |
| Condition: e01_0098 equals "PO"   |         |                     |
| Message standard: "X12" Version: "4010" Message: "810" 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: "810" 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: "810" 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: "810" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "SU" Movex table: "n/a" Movex field: "n/a"       |         |                     |
| <b>XPath</b>  |         |                     |
| X12810/LOOP_N1_g001/N1/e04_0067   |         |                     |

| Group: 1                   | C 200   | Segment Group: 1                                |
|----------------------------|---|---|
| Segment: <b>N1</b><br>0098 | <b>C 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'PO' = Party to receive invoice for goods or services<br>'BY' = Buying party<br>'CN' = Consignee<br>'SU' = Supplier/manufacturer<br><b>M3 Application Specification</b><br>Fixed data: "PO" or "BY" or "CN" or "SU"<br><b>XPath</b><br>X12810/LOOP_N1_g001/N1/e01_0098   | N1 - Name<br>Entity Identifier Code             |
| Segment: <b>N2</b><br>0093 | <b>C 2</b><br>M AN 60<br><b>M3 Application Description</b><br>'CN' = Customer name as Name<br><b>M3 Application Specification</b><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: ORNO<br>Input field ADRT: "01"<br><br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUNM<br><b>XPath</b><br>X12810/LOOP_N1_g001/N2/e01_0093 | N2 - Additional Name Information<br>Name        |
| Segment: <b>N3</b><br>0166 | <b>C 2</b><br>M AN 55<br><b>M3 Application Description</b><br>'CN' = Customer address 1 as Address information<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA1<br><b>XPath</b><br>X12810/LOOP_N1_g001/N3/e01_0166   | N3 - Address Information<br>Address Information |

| Group: 1                   | C 200  | Segment Group: 1                                |
|----------------------------|--|---|
| Segment: <b>N3</b><br>0166 | <b>C 2</b><br>M AN 55<br><b>M3 Application Description</b><br>'CN' = Customer address 2 as Address information<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA2<br><b>XPath</b><br>X12810/LOOP_N1_g001/N3/e02_0166  | N3 - Address Information<br>Address Information |
| Segment: <b>N4</b><br>0019 | <b>C 1</b><br>C AN 30<br><b>M3 Application Description</b><br>'CN' = Customer address 4 as City name<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA4<br><b>XPath</b><br>X12810/LOOP_N1_g001/N4/e01_0019  | N4 - Geographic Location<br>City Name           |
| 0026                       | C AN 3<br><b>M3 Application Description</b><br>'CN' = Country as Country code<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CSCD<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g004/N4" Data element: "e02_0026" Movex table: "OOADRE" Movex field: "ODCSCD"<br><b>XPath</b><br>X12810/LOOP_N1_g001/N4/e04_0026 | Country Code                                    |



| Group: 1                    | C 200   | Segment Group: 1                                       |
|-----------------------------|---|--|
| Segment: <b>N4</b><br>0116  | <b>C 1</b><br>C AN 15<br><b>M3 Application Description</b><br>'CN' = Postal code as Postal code<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: PONO<br><b>XPath</b><br>X12810/LOOP_N1_g001/N4/e03_0116  | N4 - Geographic Location<br>Postal Code                |
| 0156                        | C AN 2<br><b>M3 Application Description</b><br>'CN' = Area/state as State or province code<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0098 equals "CN"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: ECAR<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g004/N4" Data element: "e02_0156" Movex table: "OOADRE" Movex field: "ODECAR"<br><b>XPath</b><br>X12810/LOOP_N1_g001/N4/e02_0156 | State or Province Code                                 |
| Segment: <b>PER</b><br>0093 | <b>C 3</b><br>C AN 60<br><b>M3 Application Description</b><br>'SR' = Sales representative or department<br><b>M3 Application Specification</b><br>Condition: e01_0098 equals "BY"<br>Condition: e01_0366 equals "SR"<br>API dataMI program: OIS100MI Transaction: GetHead Field: OREF<br><b>XPath</b><br>X12810/LOOP_N1_g001/PER/e02_0093   | PER - Administrative<br>Communications Contact<br>Name |

| Group: 1            | C 200  | Segment Group: 1                            |
|---------------------|--|---|
| Segment: <b>PER</b> | <b>C 3</b>   | PER - Administrative Communications Contact |
| 0366                | M AN 2   | Contact Function Code                       |
|                     | <b>M3 Application Description</b><br>'SR' = Sales representative or department<br><b>M3 Application Specification</b><br>Fixed data: "SR"<br><b>XPath</b><br>X12810/LOOP_N1_g001/PER/e01_0366  |   |
| Segment: <b>REF</b> | <b>C 12</b>  | REF - Reference Identification              |
| 0127                | C AN 30  | Reference Identification                    |
|                     | <b>M3 Application Description</b><br>'VX' = VAT registration number as Value added tax registration number<br><b>M3 Application Specification</b><br>Condition: e01_0098 equals "BY"<br>API call: CRS610MI/GetFinancial<br>Input field CONO: CONO<br>Input field CUNO: CUNO<br><br>API dataMI program: CRS610MI Transaction: GetHead Field: VRNO<br><br>Condition: e01_0098 equals "SU"<br>API call: MNS100MI/GetBasicData<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br><br>API dataMI program: MNS100MI Transaction: GetBasicData Field: VRNO<br><b>XPath</b><br>X12810/LOOP_N1_g001/REF/e02_0127 |   |
| 0128                | M AN 3   | Reference Identification Qualifier          |
|                     | <b>M3 Application Description</b><br>'VX' = Value added tax registration number<br><b>M3 Application Specification</b><br>Fixed data: "VX"<br><b>XPath</b><br>X12810/LOOP_N1_g001/REF/e01_0128   |   |



| Group: 1             | C 200   | Segment Group: 1   |
|----------------------|---|--|
| Segment: REF<br>0128 | C 12<br>M AN 3<br><b>M3 Application Description</b><br>'VX' = Value added tax registration number   | REF - Reference Identification<br>Reference Identification Qualifier |
| Group: 3             | C 1   | Segment Group: 3   |
| Segment: MSG<br>0933 | C 10<br>M AN 264<br><b>M3 Application Description</b><br>Text as Free-form message text<br><b>M3 Application Specification</b><br>Condition: Number of deliveries equals 1<br>Condition: e01_0128 equals "ZZ"<br>First loop<br>API call: OIS100MI/GetHeadText<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field TYTR: "1"<br>API dataMI program: OIS100MI Transaction: GetHeadText Field: TX60<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>API dataMI program: OIS100MI Transaction: GetHeadText Field: TX60<br><b>XPath</b><br><i>X12810/LOOP_N9_g003/MSG/e01_0933</i> | MSG - Message Text<br>Free-Form Message Text                         |

|                             |   |   |
|-----------------------------|---|---|
| <b>Group: 3</b>             | <b>C 1</b>  | <b>Segment Group: 3</b>   |
| Segment: <b>N9</b><br>0128  | <b>C 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'ZZ' = Mutually defined<br><b>M3 Application Specification</b><br>Fixed data: "ZZ"<br><b>XPath</b><br><i>X12810/LOOP_N9_g003/N9/e01_0128</i>   | N9 - Reference Identification<br>Reference Identification Qualifier |
| <b>Group: 6</b>             | <b>C 20000</b>  | <b>Segment Group: 6</b>   |
| Segment: <b>CAD</b><br>0091 | <b>C 9999999</b><br>C AN 2<br><b>M3 Application Description</b><br>Delivery method as Transportation method<br><b>M3 Application Specification</b><br>Condition: Number of deliveries greater than 2<br><br>API dataMI program: OIS350MI Transaction: GetDelHead Field: MODL<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g006/CAD" Data element: "e01_0091" Movex table: "OOHEAD" Movex field: "OAMODL"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/CAD/e01_0091</i> | CAD - Carrier Detail<br>Transportation Method/Type Code             |
| Segment: <b>DTM</b><br>0373 | <b>C 10</b><br>C AN 8<br><b>M3 Application Description</b><br>'011' = Planned delivery date as Shipped date<br><b>M3 Application Specification</b><br>Condition: Number of deliveries greater than 1<br>Condition: e01_0374 equals "011"<br>API dataMI program: OIS350MI Transaction: GetDelHead Field: DLDT<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/DTM/e02_0373</i>  | DTM - Date/Time Reference<br>Date                                   |



| Group: 6                    | C 20000   | Segment Group: 6                                 |
|-----------------------------|---|--|
| Segment: <b>DTM</b><br>0374 | <b>C 10</b><br>M AN 3<br><b>M3 Application Description</b><br>'011' = Shipped<br><b>M3 Application Specification</b><br>Fixed data: "011"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/DTM/e01_0374</i>   | DTM - Date/Time Reference<br>Date/Time Qualifier |
| 1250                        | C AN 3<br><b>M3 Application Description</b><br>'D8' = Date format CCYYMMDD<br><b>M3 Application Specification</b><br>Fixed data: "D8"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/DTM/e05_1250</i>   | Date Time Period Format Qualifier                |
| Segment: <b>IT1</b><br>0212 | <b>C 1</b><br>C N 17<br><b>M3 Application Description</b><br>Sales price as Unit price<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetDelLine Field: SAPR<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT1/e04_0212</i>   | IT1 - Baseline Item Data (Invoice)<br>Unit Price |
| 0234                        | C AN 48<br><b>M3 Application Description</b><br>'EN' = Alias number as EAN code<br>'UP' = Alias number as UPC<br>'IN' = Alias number as Buyer's item number<br><b>M3 Application Specification</b><br>API dataMI program: OIS100MI Transaction: GetLine Field: POPN<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT1/e09_0234</i> | Product/Service ID                               |



| Group: 6             | C 20000   | Segment Group: 6   |
|----------------------|---|--|
| Segment: IT1<br>0234 | <b>C 1</b><br>C AN 48<br><b>M3 Application Description</b><br>'VN' = Item number as Vendor's item number<br><b>M3 Application Specification</b><br>API dataMI program: OIS100MI Transaction: GetLine Field: ITNO<br><b>XPath</b><br>X12810/LOOP_IT1_g006/IT1/e07_0234   | IT1 - Baseline Item Data (Invoice)<br>Product/Service ID |
| 0235                 | C AN 2<br><b>M3 Application Description</b><br>'EN' = Alias number as EAN code<br>'UP' = Alias number as UPC<br>'VN' = Alias number as Vendor's item number<br><b>M3 Application Specification</b><br>Condition: ALWT equals "02"<br>Condition: ALWQ equals "EA08" or "EA13"<br>Fixed data: "EN"<br><br>Condition: ALWT equals "02"<br>Condition: ALWQ equals "UPC"<br>Fixed data: "UP"<br><br>Condition: ALWT equals "06"<br>Fixed data: "IN"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/IT1/e08_0235<br><br><b>M3 Application Description</b><br>VN' = Vendor's item number<br><b>M3 Application Specification</b><br>Fixed data:"VN"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/IT1/e06_0235 | Product/Service ID Qualifier                             |

| Group: 6             | C 20000   | Segment Group: 6  |
|----------------------|---|---|
| Segment: IT1<br>0350 | <b>C 1</b><br>C AN 20<br><b>M3 Application Description</b><br>Counter as Assigned identification<br><b>M3 Application Specification</b><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: "31"<br>Note: Save to Sorting Structure (SS). Substring IVRF into line number (pos 1-5), sub line (pos 7-8).<br><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 IVTP: "32"<br>Note: Save to SS. Substring IVRF into line number (pos 1-5), sub line (pos 7-8), discount number (pos 10).<br><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: "67"<br>Note: Save to SS. Substring IVRF into line number (pos 1-5), sub line (pos 7-8), charge-ID (pos 12-17).<br><br>Loop<br>List SS sorted by<br>Input field: IVTP: "31"<br>Input field: ORNO: ORNO<br>Input field: DLIX: DLIX<br>Input field: PONR: pos 1-5 of IVRF<br>Input field: POSX: pos 7-8 of IVRF<br><br>Calculated data: Counter: Start value = 1<br><b>XPath</b> | IT1 - Baseline Item Data (Invoice)<br>Assigned Identification |



| Group: 6             | C 20000   | Segment Group: 6  |
|----------------------|---|---|
| Segment: IT1<br>0350 | C 1<br>C AN 20<br><b>M3 Application Description</b><br>Counter as Assigned identification<br><i>X12810/LOOP_IT1_g006/IT1/e01_0350</i>   | IT1 - Baseline Item Data (Invoice)<br>Assigned Identification |
| 0355                 | C AN 2<br><b>M3 Application Description</b><br>Alternate U/M as Unit or basis for measurement code<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetDelLine Field: ALUN<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g006/IT1" Data element: "e03_0355" Movex table: "OOHEAD" Movex field: "OAALUN"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT1/e03_0355</i>                                      | Unit or Basis for Measurement Code                            |
| 0358                 | C N 10<br><b>M3 Application Description</b><br>Invoiced quantity - alternate U/M as Quantity invoiced<br><b>M3 Application Specification</b><br>API call: OIS350MI/GetDelLine<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field DLIX: DLIX<br>Input field WHLO: WHLO<br>Input field PONR: PONR<br>Input field POSX: POSX<br>Input field TEPY: TEPY<br><br>API dataMI program: OIS350MI Transaction: GetDelLine Field: QTY5<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT1/e02_0358</i> | Quantity Invoiced   |





| Group: 6                    | C 20000   | Segment Group: 6   |
|-----------------------------|---|--|
| Segment: <b>IT1</b><br>0639 | <b>C 1</b><br>C AN 2<br><b>M3 Application Description</b><br>Sales price quantity as Basis of unit price code<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetDelLine Field: SACD<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g006/IT1" Data element: "e05_0639" Movex table: "n/a" Movex field: "n/a"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT1/e05_0639</i> | IT1 - Baseline Item Data (Invoice)<br>Basis of Unit Price Code |
| Segment: <b>IT3</b><br>0382 | <b>C 5</b><br>C N 10<br><b>M3 Application Description</b><br>Delivered quantity as Number of units shipped<br><b>M3 Application Specification</b><br>API dataMI program: OIS350MI Transaction: GetDelLine Field: ORQA<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT3/e01_0382</i>   | IT3 - Additional Item Data<br>Number of Units Shipped          |
| 0383                        | C N 9<br><b>M3 Application Description</b><br>Invoiced quantity less delivered quantity as Quantity difference<br><b>M3 Application Specification</b><br>Calculated data: QTY5 - (minus) API dataMI program: OIS350MI Transaction: GetDelLine Field: ORQA<br>Condition: Calculated data != 0<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/IT3/e04_0383</i>  | Quantity Difference  |



| Group: 6             | C 200000   | Segment Group: 6   |
|----------------------|--|--|
| Segment: REF<br>0127 | <b>C 9999999</b><br>C AN 30<br><b>M3 Application Description</b><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><b>M3 Application Specification</b><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 Field: CUOR<br><br>Condition: e01_1153 equals "VN"<br>Output from field ORNO in SS<br><b>XPath</b><br>X12810/LOOP_IT1_g006/REF/e02_0127 | REF - Reference Identification<br>Reference Identification |
| 0128                 | M AN 3<br><b>M3 Application Description</b><br>'CO' = Customer order number<br>'DO' = Delivery order number<br>'VN' = Vendor order number<br><b>M3 Application Specification</b><br>Fixed data: "CO" or "DO" or "VN"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/REF/e01_0128  | Reference Identification Qualifier                         |

| Group: 6                    | C 20000  | Segment Group: 6  |
|-----------------------------|--|---|
| Segment: <b>TXI</b><br>0954 | <b>C 10</b><br>C N 10<br><b>M3 Application Description</b><br>'VA' = VAT code as Value added tax<br><b>M3 Application Specification</b><br>API dataMI program: OIS100MI Transaction: GetLine Field: VTCD<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g006/TXI" Data element: "e03_954" Movex table: "OOLINE" Movex field: "OBVTCD"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/TXI/e03_0954</i> | TXI - Tax Information<br>Percent                        |
| 0963                        | M AN 2<br><b>M3 Application Description</b><br>'VA' = Value added tax<br><b>M3 Application Specification</b><br>Fixed data: "VA"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/TXI/e01_0963</i>   | Tax Type Code   |
| Group: 7                    | C 1000   | Segment Group: 7  |
| Segment: <b>PID</b><br>0349 | <b>C 1</b><br>M AN 1<br><b>M3 Application Description</b><br>'F' = Free form<br><b>M3 Application Specification</b><br>Fixed data: "F"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_PID_g007/PID/e01_0349</i>   | PID - Product/Item Description<br>Item Description Type |
| 0352                        | C AN 80<br><b>M3 Application Description</b><br>'F' = Item description as Description<br><b>M3 Application Specification</b><br>API dataMI program: OIS100MI Transaction: GetLine Field: ITDS<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_PID_g007/PID/e05_0352</i>  | Description   |

|   |               |                                |
|---|---------------|--------------------------------|
| <b>Group: 7</b>                                 | <b>C 1000</b> | <b>Segment Group: 7</b>        |
| Segment: <b>PID</b>                             | <b>C 1</b>    | PID - Product/Item Description |
| <b>Group: 8</b>                                 | <b>C 25</b>   | <b>Segment Group: 8</b>        |
| Segment: <b>SAC</b>                             | <b>C 1</b>    | SAC - Service                  |
| 0248  | M AN 1        | Allowance or Charge Indicator  |
| <b>M3 Application Description</b>               |               |                                |
| 'A' = Allowance                                 |               |                                |
| 'C' = Charge                                    |               |                                |
| <b>M3 Application Specification</b>             |               |                                |
| Loop 1 (SAC)                                    |               |                                |
| List SS sorted by                               |               |                                |
| Input field: IVTP: "32"                         |               |                                |
| Inout field: ORNO: ORNO                         |               |                                |
| Input field: DLIX: DLIX                         |               |                                |
| Input field: PONR: pos 1-5 of IVRF              |               |                                |
| Input field: POSX: pos 7-8 of IVRF              |               |                                |
| API call OIS100MI/GetLine                       |               |                                |
| Input field: CONO: CONO                         |               |                                |
| Inout field: ORNO: ORNO                         |               |                                |
| Input field: PONR: pos 1-5 of IVRF              |               |                                |
| Input field: POSX: pos 7-8 of IVRF              |               |                                |
| Fixed data: "A"                                 |               |                                |
| Loop 2 (SAC)                                    |               |                                |
| List SS sorted by                               |               |                                |
| Input field: IVTP: "67"                         |               |                                |
| Inout field: ORNO: ORNO                         |               |                                |
| Input field: DLIX: DLIX                         |               |                                |
| Input field: PONR: pos 1-5 of IVRF              |               |                                |
| Input field: POSX: pos 7-8 of IVRF              |               |                                |
| API call OIS100MI/GetLine                       |               |                                |
| Input field: CONO: CONO                         |               |                                |
| Inout field: ORNO: ORNO                         |               |                                |
| Input field: PONR: pos 1-5 of IVRF              |               |                                |
| Input field: POSX: pos 7-8 of IVRF              |               |                                |
| Fixed data: "C"                                 |               |                                |
| <b>XPath</b>                                    |               |                                |
| X12810/LOOP_IT1_g006/LOOP_SAC_g008/SAC/e01_0248 |               |                                |



| Group: 8             | C 25  | Segment Group: 8         |
|----------------------|---|--------------------------|
| Segment: SAC<br>0332 | C 1<br>C N 6<br><b>M3 Application Description</b><br>Discount percentage as Percent<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "1"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP1<br><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "2"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP2<br><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "3"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP3<br><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "4"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP4<br><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "5"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP5<br><br>Condition: e01_0248 equals "A"<br>Condition: SS IVRF (pos 10) equals "6"<br>API dataMI program: OIS100MI Transaction: GetLine Field: DIP6<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_SAC_g008/SAC/e07_0332 | SAC - Service<br>Percent |



| Group: 8     | C 25   | Segment Group: 8 |
|--------------|--|------------------|
| Segment: SAC | C 1  | SAC - Service    |
| 0610         | C N2 15  | Amount           |
|              | <b>M3 Application Description</b>                      |                  |
|              | Amount   |                  |
|              | <b>M3 Application Specification</b>                    |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "1"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "2"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "3"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "4"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "5"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "A"                         |                  |
|              | Condition: SS IVRF (pos 10) equals "6"                 |                  |
|              | Data field SS AMT2                                     |                  |
|              | Condition: e01_0248 equals "C"                         |                  |
|              | Data field SS AMT2                                     |                  |
|              | <b>XPath</b>   |                  |
|              | <i>X12810/LOOP_IT1_g006/LOOP_SAC_g008/SAC/e05_0610</i> |                  |



| Group: 8             | C 25  | Segment Group: 8         |
|----------------------|---|--------------------------|
| Segment: SAC<br>1300 | <b>C 1</b><br>C AN 4<br><b>M3 Application Description</b><br>Discount number or Charge as Service<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "A"<br>Calculated data: (API dataMI program: OIS100MI Transaction:<br>Gethead Field: DISY + Substring of IVRF from SS (pos 10)) Note:<br>Concatenate fields.<br><br>Condition: e01_0248 equals "C"<br>Substring of IVRF from SS (pos 12-17)<br><b>M3 Data Translation</b><br>Condition:e01_0248 equals "A"<br>Message standard: "X12" Version: "4010" Message: "810" Parent<br>elements: "g008/SAC" Data element: "e02_1300" Conditional element:<br>"e01_0248" Conditional data: "A" Movex table: "N/A" Movex field: "N/A"<br><br>Condition:e01_0248 equals "C"<br>Message standard: "X12" Version: "4010" Message: "810" Parent<br>elements: "g008/SAC" Data element: "e01_0248" Conditional element:<br>"e01_0248" Conditional data: "C" Movex table: "OOCHRG" Movex<br>field: "USCRID"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_SAC_g008/SAC/e02_1300</i> | SAC - Service<br>Service |



| Group: 8                    | C 25   | Segment Group: 8                 |
|-----------------------------|--|----------------------------------|
| Segment: <b>TXI</b><br>0954 | <b>C 10</b><br>C N 10<br><b>M3 Application Description</b><br>VAT code as Percent<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "C"<br>API call OIS100MI/GetLineChrg<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field PONR: Subfield from SS (pos1-3)<br>Input field POSX: Subfield from SS (pos 5-6)<br>Input field CRID: Subfield from SS (pos 10-13)<br>Input field CRTY: "0"<br>API dataMI program: OIS100MI Transaction: GetLineChrg Field: VTCD<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g008/SAC" Data element: "e03_0954" Movex table: "CSYTAB" Movex field: "OAVTCD"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_SAC_g008/TXI/e03_0954 | TXI - Tax Information<br>Percent |
| 0963                        | M AN 2<br><b>M3 Application Description</b><br>'VA' = Value added tax<br><b>M3 Application Specification</b><br>Fixed data: "VA"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_SAC_g008/TXI/e01_0963  | Tax Type Code                    |





| Group: 10   | C 200   | Segment Group: 10   |
|-------------|---|---------------------|
| Segment: N1 | C 1   | N1 - Name           |
| 0067        | C AN 80   | Identification Code |
|             | <b>M3 Application Description</b>   |                     |
|             | 'BY' = Customer as Buyer  |                     |
|             | 'CN' = Delivery address as Consignee  |                     |
|             | <b>M3 Application Specification</b>   |                     |
|             | Condition: e01_0098 equals "BY"   |                     |
|             | API dataMI program: OIS350MI Transaction: GetDelHead Field: CUNO  |                     |
|             | API call: CRS886MI/CvtPtr   |                     |
|             | Input field CONO: CONO  |                     |
|             | Input field PTCG: "11"  |                     |
|             | Input field PAID: CUNO Output from OIS350MI/GetDelHead Field: CUNO  |                     |
|             | API dataMI program:CRS886MI MI Transaction: CnvPtr Field: PAAL.   |                     |
|             | Note ! if PAAL eq *Blank or NOK use CUNO  |                     |
|             | <br>Condition: e01_0098 equals "CN"   |                     |
|             | API dataMI program: OIS100MI Transaction: GetHead Field: ADID   |                     |
|             | API call: CRS886MI/CvtPtr   |                     |
|             | Input field CONO: CONO  |                     |
|             | Input field PTCG: "12"  |                     |
|             | Input field PAID: CUNO Output from OIS350MI/GetDelHead Field: CUNO  |                     |
|             | Input field PAI1: ADID Output from OIS100MI/GetHead Field: ADID   |                     |
|             | Input field PAAC: "21"  |                     |
|             | <br>Note: Only if different from N1 values at header level.   |                     |
|             | <b>M3 Data Translation</b>  |                     |
|             | Condition:e01_0098 equals "BY"  |                     |
|             | Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g010/N1" Data element: "e04_0067" Conditional element: "e01_0098" Conditional data: "BY" Movex table: "OCUSMA" Movex field: "OKCUNO" |                     |
|             | <br>Condition:e01_0098 equals "CN"  |                     |
|             | Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g010/N1" Data element: "e04_0067" Conditional element: "e01_0098" Conditional data: "CN" Movex table: "OCUSAD" Movex field: "OPADID" |                     |
|             | <b>XPath</b>  |                     |
|             | X12810/LOOP_IT1_g006/LOOP_N1_g010/N1/e04_0067   |                     |



| Group: 10                  | C 200   | Segment Group: 10                               |
|----------------------------|---|---|
| Segment: <b>N1</b><br>0098 | <b>C 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'BY' = Buyer<br>'CN' = Consignee<br><b>M3 Application Specification</b><br>Fixed data: "BY" or "CN"<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_N1_g010/N1/e01_0098</i>  | N1 - Name<br>Entity Identifier Code             |
| Segment: <b>N2</b><br>0093 | <b>C 2</b><br>M AN 60<br><b>M3 Application Description</b><br>Customer name as Name<br><b>M3 Application Specification</b><br>Condition: e04_ 0067 equals blank<br>API call OIS100MI/GetAddress<br>Input field CONO: CONO<br>Input field ORNO: ORNO<br>Input field ADRT: "01"<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUNM<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_N1_g010/N2/e01_0093</i> | N2 - Additional Name Information<br>Name        |
| Segment: <b>N3</b><br>0166 | <b>C 2</b><br>M AN 55<br><b>M3 Application Description</b><br>Customer address 1 as Address information<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA1<br><b>XPath</b><br><i>X12810/LOOP_IT1_g006/LOOP_N1_g010/N3/e01_0166</i>  | N3 - Address Information<br>Address Information |

| Group: 10                  | C 200  | Segment Group: 10                               |
|----------------------------|--|---|
| Segment: <b>N3</b><br>0166 | <b>C 2</b><br>M AN 55<br><b>M3 Application Description</b><br>Customer address 2 as Address information<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA2<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_N1_g010/N3/e02_0166  | N3 - Address Information<br>Address Information |
| Segment: <b>N4</b><br>0019 | <b>C 1</b><br>C AN 30<br><b>M3 Application Description</b><br>Customer address 4 as City name<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CUA4<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_N1_g010/N4/e01_0019  | N4 - Geographic Location<br>City Name           |
| 0026                       | C AN 3<br><b>M3 Application Description</b><br>Country as Country code<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: CSCD<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g010/N4" Data element: "e04_0026" Movex table: "OOHEAD" Movex field: "OACSCD"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_N1_g010/N4/e04_0026 | Country Code                                    |

| Group: 10                   | C 200   | Segment Group: 10                              |
|-----------------------------|---|--|
| Segment: <b>N4</b><br>0116  | <b>C 1</b><br>C AN 15<br><b>M3 Application Description</b><br>Postal code as Postal code<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: PONO<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_N1_g010/N4/e03_0116  | N4 - Geographic Location<br>Postal Code        |
| 0156                        | C AN 2<br><b>M3 Application Description</b><br>Area/state as State or province code<br><b>M3 Application Specification</b><br>Condition: e04_0067 equals blank<br>API dataMI program: OIS100MI Transaction: GetAddress Field: ECAR<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g010/N4" Data element: "e02_0156" Movex table: "OOHEAD" Movex field: "OAECAR"<br><b>XPath</b><br>X12810/LOOP_IT1_g006/LOOP_N1_g010/N4/e02_0156 | State or Province Code                         |
| Group: 14                   | C 25  | Segment Group: 14                              |
| Segment: <b>SAC</b><br>0248 | <b>C 1</b><br>M AN 1<br><b>M3 Application Description</b><br>'A' = Allowance<br>'C' = Charge<br><b>M3 Application Specification</b><br>Fixed data: "A" or "C"<br><b>XPath</b><br>X12810/LOOP_SAC_g014/SAC/e01_0248  | SAC - Service<br>Allowance or Charge Indicator |



| Group: 14            | C 25   | Segment Group: 14        |
|----------------------|--|--------------------------|
| Segment: SAC<br>0332 | <b>C 1</b><br>C N 6<br><b>M3 Application Description</b><br>Discount percent as Percent<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "A"<br>API dataMI program: OIS100MI Transaction: GetHead Field: OTDP<br>Condition: Number of deliveries equals 1<br><b>XPath</b><br>X12810/LOOP_SAC_g014/SAC/e07_0332   | SAC - Service<br>Percent |
| 0610                 | C N2 15<br><b>M3 Application Description</b><br>'C' = Invoiced amount, foreign currency as Amount<br>'A' = Order discount as Amount<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "C"<br>API dataMI program: OIS350MI Transaction: LstInvLineByTyp Field:<br>AMT2<br>Note: Sum all AMT2 returned by LstInvLineByType according to call in<br>ALC.<br><br>Condition: e01_0248 equals "A"<br>Note: Sum all AMT2 returned by LstInvLineByType IVTP= 35.<br><b>XPath</b><br>X12810/LOOP_SAC_g014/SAC/e05_0610 | Amount                   |



| Group: 14            | C 25   | Segment Group: 14        |
|----------------------|--|--------------------------|
| Segment: SAC<br>1300 | <b>C 1</b><br>C AN 4<br><b>M3 Application Description</b><br>Invoice reference as Services<br><b>M3 Application Specification</b><br>Condition: e01_0248 equals "C"<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: "60"<br>Condition: API equals OK<br>API dataMI program: OIS350MI Transaction: LstInvLineByTyp Field: IVRF<br>Note: Sort and sum e05_0610 by IVRF value.<br><b>M3 Data Translation</b><br>Condition: e01_0248 equals "C"<br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g014/SAC" Data element: "e02_1300" Conditional element: "e01_0248" Conditional data: "C" Movex table: "ODCHRG" Movex field: "USCRID"<br><b>XPath</b><br>X12810/LOOP_SAC_g014/SAC/e02_1300 | SAC - Service<br>Service |



| Group: 14                   | C 25  | Segment Group: 14                |
|-----------------------------|---|----------------------------------|
| Segment: <b>TXI</b><br>0954 | <b>C 10</b><br>C N 10<br><b>M3 Application Description</b><br>VAT code as Percent<br><b>M3 Application Specification</b><br>Condition: e01_ 0248 equals "C"<br>API call: OIS100MI/LstDelHeadChrg<br>Input field CONO: CONO<br>Input field DIVI: DIVI<br>Input field DLIX: DLIX<br>Input field CRID: CRID<br>API dataMI program: OIS100MI/Transaction: LstdelHeadChrg Field: VTCD<br><b>M3 Data Translation</b><br>Condition:e01_0963 equals "C"<br>Message standard: "X12" Version: "4010" Message: "810" Parent elements: "g014/TXI" Data element: "e03_0954" Conditional element: "e01_0248" Conditional data: "C" Movex table: "CSYTAB" Movex field: "OEVTCDD"<br><b>XPath</b><br><i>X12810/LOOP_SAC_g014/TXI/e03_0954</i> | TXI - Tax Information<br>Percent |
| 0963                        | M AN 2<br><b>M3 Application Description</b><br>'VA' = Value added tax<br><b>M3 Application Specification</b><br>Fixed data: "VA"<br><b>XPath</b><br><i>X12810/LOOP_SAC_g014/TXI/e01_0963</i>  | Tax Type Code                    |