



Business Message Documentation

| | |
|---------------------|---|
| Application Type | EDI Business Message (EBM) |
| M3 version | BE15 |
| M3 Business Message | COCR - Customer Order Change Request |
| Message Direction | Inbound |
| Message Application | X12 876 4010 |

| | |
|----------|------------------------------------|
| Map name | M3BE15_COCR_In_X12_876_4010 |
|----------|------------------------------------|

| | |
|-------------|--|
| Source file | M3BE15_COCR_In_X12_876_4010_MIG_v1.pdf |
| Created | 2013-06-13 16:40 |



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 | | | | |
| | G92 M 1 | | | G92 - Purchase Order Change Type |
| | | | 0324 M | Purchase Order Number |
| | | | 0670 M | Change or Response Type Code |
| | N9 C 50 | | | N9 - Reference Identification |
| | | | 0127 C | Reference Identification |
| | | | 0128 M | Reference Identification Qualifier |
| | ST M 1 | | | ST - Transaction Set Header |
| | | | 0143 M | Transaction Set Identifier Code |
| 1 C 10 | | | | Loop Id N1 |
| | N1 M 1 | | | N1 - Name |
| | | | 0067 C | Identification Code |
| | | | 0098 M | Entity Identifier Code |
| 3 C 9999 | | | | Loop Id G68 |
| | G68 C 1 | | | G68 - Line Item Detail - Product |
| | | | 0234 C | Product/Service ID |
| | | | 0235 C | Product/Service ID Qualifier |
| | | | 0330 M | Quantity Ordered |
| | | | 0355 M | Unit or Basis for Measurement Code |
| | G69 C 5 | | | G69 - Line Item Detail - Description |
| | | | 0369 M | Free-form Description |



| Group | Segment | Composite /Element | Element | Description |
|----------|---------|--------------------|---------|---|
| 3 C 9999 | | | | Loop Id G68 |
| | G69 C 5 | | 0369 M | G69 - Line Item Detail - Description Free-form Description |
| | N9 C 10 | | 0127 C | N9 - Reference Identification Reference Identification |
| | | | 0128 M | Reference Identification Qualifier |
| 5 C 9999 | | | | Loop Id N1 |
| | N1 C 1 | | 0067 C | N1 - Name Identification Code |
| | | | 0098 M | Entity Identifier 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.

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 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: G92 | M 1 | G92 - Purchase Order Change Type |
| 0324 | M AN 22 | Purchase Order Number |
| | M3 Application Description | |
| | Purchase order number as Customer's order number | |
| | M3 Application Specification | |
| | Condition: g000/G92/e01_0670 equals "AI" | |
| | API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: CUOR | |
| | Condition: g000/G92/e01_0670 equals "CA" | |
| | API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: CUOR | |
| | XPath | |
| | X12876/G92/e03_0324 | |
| 0670 | M AN 2 | Change or Response Type Code |
| | M3 Application Description | |
| | 'AI' = Add additional item or 'CA' = Change to line items or 'DI' = Delete Item | |
| | M3 Application Specification | |
| | Fixed data: "AI" or "CA" or "DI" | |
| | Condition: if e01_0670 not equals 'AI' or 'CA' or 'DI' terminate the map | |
| | M3 Data Translation | |
| | Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g000/G92" Data element: "e01_0670" Condition element: "" Condition data: "" Movex table: "" Movex field: "" | |
| | XPath | |
| | X12876/G92/e01_0670 | |



| Group: 0 | M 1 | Segment Group: 0 |
|----------------------------|---|---|
| Segment: N9 0127 | C 50 C AN 30 M3 Application Description Dealer order number as Order number M3 Application Specification Condition: e01_0128 equals "ON" Condition: g000/G92/e01_0670 equals "AI" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ORNO Condition: e01_0128 equals "ON" Condition: g000/G92/e01_0670 equals "CA" API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: ORNO Condition: e01_0128 equals "ON" Condition: g000/G92/e01_0670 equals "DI" or g000/G92/e01_0670 equals "CA" and g003/G68/e01_0330 equals 0 API dataMI program: OIS100MI Transaction: DelLineBatchEnt Field: ORNO XPath X12876/N9/e02_0127 | N9 - Reference Identification Reference Identification |
| 0128 | M AN 3 M3 Application Description 'ON' = Dealer Order Number M3 Application Specification Fixed data: "ON" XPath X12876/N9/e01_0128 | Reference Identification Qualifier |



| Group: 0 | M 1 | Segment Group: 0 |
|----------------------------|--|--|
| Segment: ST 0143 | M 1 M AN 3 M3 Application Description '876' = Grocery Purchase order change M3 Application Specification Fixed data: "876" API Call: OIS100MI/GetUserInfo Outputfield ZDCONO: CONO Outputfield ZDDIVI: DIVI XPath X12876/ST/e01_0143 | ST - Transaction Set Header Transaction Set Identifier Code |



| Group: 1 | C 10 | Segment Group: 1 |
|-------------|---|---------------------|
| Segment: N1 | M 1 | N1 - Name |
| 0067 | C AN 80 | Identification Code |
| | M3 Application Description | |
| | Identification code as Delivery Address ID | |
| | M3 Application Specification | |
| | Condition: g000/G92/e01_0670 equals "AI" | |
| | Condition: e01_0098 equals "CN" or "DA" or "ST" | |
| | API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ADID | |
| | Condition: g000/G92/e01_0670 equals "CA" | |
| | Condition: e01_0098 equals "CN" or "DA" or "ST" | |
| | API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: ADID | |
| | M3 Data Translation | |
| | Condition:e01_0098 equals "CN" | |
| | Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "CN" Movex table: "OCUSAD" Movex field: "OPADID" | |
| | Condition:e01_0098 equals "DA" | |
| | Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "DA" Movex table: "OCUSAD" Movex field: "OPADID" | |
| | Condition:e01_0098 equals "ST" | |
| | Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "ST" Movex table: "OCUSAD" Movex field: "OPADID" | |
| | XPath | |
| | X12876/LOOP_N1_g001/N1/e04_0067 | |



| Group: 1 | C 10 | Segment Group: 1 |
|---------------------|--|-------------------------------------|
| Segment: N1 0098 | M 1 M AN 3 M3 Application Description 'CN' = Consignee 'DA' = Delivery address 'ST' = Ship to M3 Application Specification Fixed data: "CN" or "DA" or "ST" XPath <i>X12876/LOOP_N1_g001/N1/e01_0098</i> | N1 - Name Entity Identifier Code |

| Group: 3 | C 9999 | Segment Group: 3 |
|-----------------------------|--|--|
| Segment: G68 0234 | C 1 C AN 48 M3 Application Description 'VN' = Vendor's item number as Item number 'IN' = Buyer's item number as Alias number 'BP' = Buyer's part number as Alias number 'EN' = European Article Number as Alias number 'UP' = UCC-12 as Alias number 'UA' = UPC/EAN case code as Alias number M3 Application Specification Condition: g000/G92/e01_0670 equals "AI" Condition: e05_0235 equals "VN" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ITNO Condition: g000/G92/e01_0670 equals "AI" Condition: e05_0235 equals "IN" or "BP" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: POPN API dataMI program: OIS100MI Transaction: AddLineBatchEnt: ALWT = "06" Condition: g000/G92/e01_0670 equals "AI" Condition: e05_0235 equals "EN" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: POPN API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ALWT = "02" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ALWQ = "EA13" Condition: g000/G92/e01_0670 equals "AI" Condition: e05_0235 equals "UP" or "UA" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: POPN API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ALWT = "02" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ALWQ = "UPC" XPath X12876/LOOP_G68_g003/G68/e06_0234 | G68 - Line Item Detail - Product Product/Service ID |



| Group: 3 | C 9999 | Segment Group: 3 |
|-----------------------------|--|--|
| Segment: G68 0234 | C 1 C AN 48 M3 Application Description 'VN' = Vendor's item number as Item number 'IN' = Buyer's item number as Alias number 'BP' = Buyer's part number as Alias number 'EN' = European Article Number as Alias number 'UP' = UCC-12 as Alias number 'UA' = UPC/EAN case code as Alias number XPath <i>X12876/LOOP_G68_g003/G68/e08_0234</i> | G68 - Line Item Detail - Product Product/Service ID |
| 0235 | C AN 2 M3 Application Description 'VN' = Vendor's item number 'IN' = Buyer's item number 'BP' = Buyer's part number 'EN' = European Article Number 'UP' = UCC-12 'UA' = UPC/EAN case code M3 Application Specification Fixed data: "VN" or "IN" or "BP" or "UP" or "UA" XPath <i>X12876/LOOP_G68_g003/G68/e05_0235</i> XPath <i>X12876/LOOP_G68_g003/G68/e07_0235</i> | Product/Service ID Qualifier |



| Group: 3 | C 9999 | Segment Group: 3 |
|-----------------------------|---|--|
| Segment: G68 0330 | C 1 M N 15 M3 Application Description Quantity ordered as Ordered quantity alternate UM M3 Application Specification Condition: g000/G92/e01_0670 equals "AI" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ORQT Condition: g000/G92/e01_0670 equals "CA" and e01_0330 not equals 0 API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: ORQA XPath <i>X12876/LOOP_G68_g003/G68/e01_0330</i> | G68 - Line Item Detail - Product Quantity Ordered |
| 0355 | M AN 2 M3 Application Description Unit or Basis for measurement code as Alternate UM M3 Application Specification Condition: g000/G92/e01_0670 equals "AI" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ALUN M3 Data Translation Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g003/G68" Data element: "e02_0355" Condition element: "" Condition data: "" Movex table: "OOLINE" Movex field: "OBALUN" XPath <i>X12876/LOOP_G68_g003/G68/e02_0355</i> | Unit or Basis for Measurement Code |

| Group: 3 | C 9999 | Segment Group: 3 |
|---------------------|--|--------------------------------------|
| Segment: G69 | C 5 | G69 - Line Item Detail - Description |
| 0369 | M AN 45 | Free-form Description |
| | M3 Application Description Description as Name | |
| | M3 Application Specification Condition: g000/G92/e01_0670 equals "AI" API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ITDS | |
| | XPath X12876/LOOP_G68_g003/G69/e01_0369 | |
| Segment: N9 | C 10 | N9 - Reference Identification |
| 0127 | C AN 30 | Reference Identification |
| | M3 Application Description Line item identifier as Line number | |
| | M3 Application Specification Condition: e01_0128 equals "LI" Condition: g000/G92/e01_0670 equals "CA" API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: PONR | |
| | Condition: e01_0128 equals "LI" Condition: g000/G92/e01_0670 equals "DI" or g000/G92/e01_0670 equals "CA" and g003/G68/e01_0330 equals 0 API dataMI program: OIS100MI Transaction: DelLineBatchEnt Field: PONR | |
| | XPath X12876/LOOP_G68_g003/N9/e02_0127 | |
| 0128 | M AN 3 | Reference Identification Qualifier |
| | M3 Application Description 'LI' = Line Item identifier | |
| | M3 Application Specification Fixed data: "LI" | |
| | XPath X12876/LOOP_G68_g003/N9/e01_0128 | |

| Group: 5 | C 9999 | Segment Group: 5 |
|---|------------|---------------------|
| Segment: N1 | C 1 | N1 - Name |
| 0067 | C AN 80 | Identification Code |
| M3 Application Description | | |
| Identification code as Delivery Address ID | | |
| M3 Application Specification | | |
| Condition: g000/G92/e01_0670 equals "AI" | | |
| Condition: e01_0098 equals "CN" or "DA" or "ST" | | |
| API dataMI program: OIS100MI Transaction: AddLineBatchEnt Field: ADID | | |
| Note ! To be used prior to values received at g001-Level | | |
| | | |
| Condition: g000/G92/e01_0670 equals "CA" | | |
| Condition: e01_0098 equals "CN" or "DA" or "ST" | | |
| API dataMI program: OIS100MI Transaction: ChgLineBatchEnt Field: ADID | | |
| Note ! To be used prior to values received at g001-Level | | |
| | | |
| Condition: g000/G92/e01_0670 equals "AI" | | |
| API call: OIS100MI/AddLineBatchEnt | | |
| Input field CONO: CONO | | |
| Input field ORNO: ORNO | | |
| | | |
| Condition: g000/G92/e01_0670 equals "CA" and g003/G68/e01_0330 not equals 0 | | |
| API call: OIS100MI/ChgLineBatchEnt | | |
| Input field CONO: CONO | | |
| Input field ORNO: ORNO | | |
| Input field PONR: PONR | | |
| | | |
| Condition: g000/G92/e01_0670 equals "CA" and g003/G68/e01_0330 equals 0 | | |
| API call: OIS100MI/DelLineBatchEnt | | |
| Input field CONO: CONO | | |
| Input field ORNO: ORNO | | |
| Input field PONR: PONR | | |
| | | |
| Condition: g000/G92/e01_0670 equals "DI" | | |
| API call: OIS100MI/DelLineBatchEnt | | |
| Input field CONO: CONO | | |
| Input field ORNO: ORNO | | |
| Input field PONR: PONR | | |



| Group: 5 | C 9999 | Segment Group: 5 |
|----------------------------|--|----------------------------------|
| Segment: N1 0067 | C 1 C AN 80 M3 Application Description Identification code as Delivery Address ID M3 Application Specification After last occurrence of g003/G68 loop Add user function ManifestUpdate setManifestInfo ("map:keyField1", "CONO"); setManifestInfo ("map:keyValue1", CONO); setManifestInfo ("map:keyField2", "DIVI"); setManifestInfo ("map:keyValue2", DIVI); setManifestInfo ("map:keyField3", "ORNO"); setManifestInfo ("map:keyValue3", ORNO); M3 Data Translation Condition:e01_0098 equals "CN" Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g005/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "CN" Movex table: "OCUSAD" Movex field: "OPADID" Condition:e01_0098 equals "DA" Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g005/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "DA" Movex table: "OCUSAD" Movex field: "OPADID" Condition:e01_0098 equals "ST" Message standard: "X12" Version: "4010" Message: "876" Parent elements: "g005/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "ST" Movex table: "OCUSAD" Movex field: "OPADID" XPath X12876/LOOP_G68_g003/LOOP_N1_g005/N1/e04_0067 | N1 - Name Identification Code |



| Group: 5 | C 9999 | Segment Group: 5 |
|---------------------|---|-------------------------------------|
| Segment: N1 0098 | C 1 M AN 3 M3 Application Description 'CN' = Consignee 'DA' = Delivery address 'ST' = Ship to M3 Application Specification Fixed data: "CN" or "DA" or "ST" XPath <i>X12876/LOOP_G68_g003/LOOP_N1_g005/N1/e01_0098</i> | N1 - Name Entity Identifier Code |