



## Business Message Documentation

|                     |                                   |
|---------------------|-----------------------------------|
| Application Type    | <b>EDI Business Message (EBM)</b> |
| M3 version          | <b>BE15</b>                       |
| M3 Business Message | <b>ST - Stock Transaction</b>     |
| Message Direction   | <b>Inbound</b>                    |
| Message Application | <b>X12 947 4010</b>               |

|          |                                  |
|----------|----------------------------------|
| Map name | <b>M3BE15_ST_In_X12_947_4010</b> |
|----------|----------------------------------|

|             |                                      |
|-------------|--------------------------------------|
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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<br>/Element | Element                              | Description   |
|-------------|---------|-----------------------|--------------------------------------|---|
| 0 M 1       |         |                       |                                      |   |
|             | G62 C 5 |                       | 0176 C<br>0337 C<br>0373 C<br>0432 C | G62 - Date/Time<br>176 - Time Qualifier<br>337 - Time<br>373 - Date<br>432 - Date Qualifier   |
|             | ST M 1  |                       | 0143 M                               | ST - Transaction<br>Set Header<br>143 - Transaction<br>Set Identifier Code  |
|             | W15 M 1 |                       | 0031 C<br>0373 M                     | W15 - Warehouse<br>Adjustment<br>Identification<br>31 - Adjustment<br>Number<br>373 - Date  |
| 1 C 100     |         |                       |                                      | Loop Id N1  |
|             | N1 M 1  |                       | 0067 C<br>0098 M                     | N1 - Name<br>67 - Identification<br>Code<br>98 - Entity Identifier<br>Code  |
| 3 C 9999999 |         |                       |                                      | Loop Id W19   |
|             | W19 M 1 |                       | 0181 M<br>0234 C<br>0235 C<br>0355 M | W19 - Warehouse<br>Adjustment Item<br>Detail<br>181 - Quantity or<br>Status Adjustment<br>Reason Code<br>234 - Product/<br>Service ID<br>235 - Product/<br>Service ID Qualifier<br>355 - Unit or Basis<br>for Measurement<br>Code |



| Group       | Segment | Composite<br>/Element | Element | Description                                  |
|-------------|---------|-----------------------|---------|--|
| 3 C 9999999 |         |                       |         | Loop Id W19                                  |
|             | W19 M 1 |                       |         | W19 - Warehouse<br>Adjustment Item<br>Detail |
|             |         |                       | 0451 C  | 451 - Warehouse<br>Lot Number                |
|             |         |                       | 0477 M  | 477 - Credit/Debit<br>Quantity               |
|             |         |                       |         |  |



## 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>G62</b><br>0176 | <b>C 5</b><br>C AN 2<br><b>M3 Application Description</b><br>'W' = Effective<br><b>M3 Application Specification</b><br>Fixed data: "W"<br><b>XPath</b><br>X12947/G62/e03_0176   | G62 - Date/Time<br>176 - Time Qualifier |
| 0337                        | C AN 8<br><b>M3 Application Description</b><br>Time as Qualifier Time<br><b>M3 Application Specification</b><br>Condition: e03_0176 equals "W" and e01_0432 equals "07"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: QLTM<br><b>XPath</b><br>X12947/G62/e04_0337 | 337 - Time                              |
| 0373                        | C AN 8<br><b>M3 Application Description</b><br>Date as Qualifier Date<br><b>M3 Application Specification</b><br>Condition: e01_0432 equals "07"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: QLDT<br><b>XPath</b><br>X12947/G62/e02_0373                         | 373 - Date                              |
| 0432                        | C AN 2<br><b>M3 Application Description</b><br>'07' = Effective<br><b>M3 Application Specification</b><br>Fixed data: "07"<br><b>XPath</b><br>X12947/G62/e01_0432   | 432 - Date Qualifier                    |



| Group: 0                    | M 1   | Segment Group: 0   |
|-----------------------------|---|--|
| Segment: <b>ST</b><br>0143  | <b>M 1</b><br>M AN 3<br><br><b>M3 Application Description</b><br>'947' = Warehouse Inventory Adjustment Advice as Mesage Type<br><b>M3 Application Specification</b><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: E065<br><br>API Call: MMS850MI/GetUserInfo<br>Outputfield ZDCONO: CONO<br>Outputfield ZDDIVI: DIVI<br><br><b>XPath</b><br>X12947/ST/e01_0143 | ST - Transaction Set Header<br>143 - Transaction Set Identifier Code |
| Segment: <b>W15</b><br>0031 | <b>M 1</b><br>C AN 22<br><br><b>M3 Application Description</b><br>Adjustment number as External message number<br><b>M3 Application Specification</b><br><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: PMSN<br><br><b>XPath</b><br>X12947/W15/e03_0031   | W15 - Warehouse Adjustment Identification<br>31 - Adjustment Number  |
| 0373                        | M AN 8<br><br><b>M3 Application Description</b><br>Date as Date generated<br><b>M3 Application Specification</b><br><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: GEDT<br><br><b>XPath</b><br>X12947/W15/e01_0373  | 373 - Date   |





| Group: 1            | C 100   | Segment Group: 1                      |
|---------------------|---|---------------------------------------|
| Segment: N1<br>0067 | M 1<br>C AN 80<br><b>M3 Application Description</b><br>Identification code as Partner or Warehouse<br><b>M3 Application Specification</b><br>Condition: e01_0098 equals "WH"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: WHLO<br><br>Condition: e01_0098 equals "DE"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: EOPA<br><br><b>M3 Data Translation</b><br>Condition:e01_0098 equals "WH"<br>Message standard: "X12" Version: "4010" Message: "947" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "WH" Movex table: "MITWHL" Movex field: "MWWHLO"<br><b>XPath</b><br>X12947/LOOP_N1_g001/N1/e04_0067 | N1 - Name<br>67 - Identification Code |
| 0098                | M AN 3<br><b>M3 Application Description</b><br>'WH' = Warehouse or 'DE' = Depositor<br><b>M3 Application Specification</b><br>Fixed data: "WH" or "DE"<br><b>XPath</b><br>X12947/LOOP_N1_g001/N1/e01_0098   | 98 - Entity Identifier Code           |



| Group: 3  | C 9999999  | Segment Group: 3                                |
|---|------------|---|
| Segment: <b>W19</b>   | <b>M 1</b> | W19 - Warehouse Adjustment Item Detail          |
| 0181  | M AN 2     | 181 - Quantity or Status Adjustment Reason Code |
| <b>M3 Application Description</b><br>Quantity or Status Adjustment Reason Code as Transaction Reason  |            |   |
| <b>M3 Application Specification</b><br>Decrease Stock<br>'03' = Shipment greater than previously reported<br>'04' = Receipt less than previously reported<br>'05' = Product put on hold<br>'06' = Book adjustment decrease<br>'07' = Product dumped or destroyed<br><br>Increase Stock<br>'51' = Unable to locate (UTL) Product located<br>'52' = Recoup/Rework of damaged product<br>'53' = Shipment less than previously reported<br>'54' = Receipt greater than previously reported<br>'55' = Product taken off hold<br>'56' = Book adjustment increase<br><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: RSCD<br><b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e01_0181</i> |            |   |



| Group: 3     | C 9999999  | Segment Group: 3                          |
|--------------|--|---|
| Segment: W19 | M 1  | W19 - Warehouse Adjustment<br>Item Detail |
| 0234         | C AN 48  | 234 - Product/Service ID                  |
|              | <b>M3 Application Description</b><br>Product/Service ID as item number or Alias number   |   |
|              | <b>M3 Application Specification</b><br>Condition: e05_0235 equals "VN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ITNO |   |
|              | Condition: e05_0235 equals "EN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>POPN  |   |
|              | API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ALWT = "02"  |   |
|              | API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ALWQ = "EA13"  |   |
|              | Condition: e05_0235 equals "UP"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>POPN  |   |
|              | API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ALWT = "02"  |   |
|              | API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ALWQ = "UPC"   |   |
|              | Condition: e05_0235 equals "IN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>POPN  |   |
|              | API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>ALWT = "06"  |   |
|              | <b>XPath</b><br>X12947/LOOP_W19_g003/W19/e06_0234  |   |

| Group: 3            | C 999999   | Segment Group: 3                       |
|---------------------|--|--|
| Segment: <b>W19</b> | <b>M 1</b>   | W19 - Warehouse Adjustment Item Detail |
| 0234                | C AN 48  | 234 - Product/Service ID               |
|                     | <b>M3 Application Description</b><br>Product/Service ID as item number or Alias number   |  |
|                     | <b>M3 Application Specification</b><br>Condition: e07_0235 equals "VN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ITNO  |  |
|                     | Condition: e07_0235 equals "EN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: POPN<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ALWT = "02"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ALWQ = "EA13" |  |
|                     | Condition: e07_0235 equals "UP"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: POPN<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ALWT = "02"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ALWQ = "UPC"  |  |
|                     | Condition: e07_0235 equals "IN"<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: POPN<br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: ALWT = "06"   |  |
|                     | <b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e08_0234</i>   |  |
| 0235                | C AN 2   | 235 - Product/Service ID Qualifier     |
|                     | <b>M3 Application Description</b><br>'VN' = Vendor's item number<br>'EN' = European Article Number<br>'UP' = UPC Consumer Package Code<br>'IN' = Buyers Item number  |  |
|                     | <b>M3 Application Specification</b><br>Fixed data: "VN" or "EN" or "UP" or "IN"  |  |
|                     | <b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e05_0235</i>   |  |

| Group: 3            | C 999999  | Segment Group: 3                         |
|---------------------|---|--|
| Segment: <b>W19</b> | <b>M 1</b>  | W19 - Warehouse Adjustment Item Detail   |
| 0235                | C AN 2  | 235 - Product/Service ID Qualifier       |
|                     | <b>M3 Application Description</b><br>'VN' = Vendor's item number<br>'EN' = European Article Number<br>'UP' = UPC Consumer Package Code<br>'IN' = Buyers Item number<br><b>M3 Application Specification</b><br>Fixed data: "VN" or "EN" or "UP" or "IN"<br><b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e05_0235</i><br><b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e07_0235</i>  |  |
| 0355                | M AN 2  | 355 - Unit or Basis for Measurement Code |
|                     | <b>M3 Application Description</b><br>Unit or Basis for Measurement Code as Qualifier unit of measure<br><b>M3 Application Specification</b><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: QLUN<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "4010" Message: "947" Parent elements: "g003/W19" Data element: "e03_0355" Movex table: "OOLINE" Movex field: "OAALUN"<br><b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e03_0355</i> |  |
| 0451                | C AN 12   | 451 - Warehouse Lot Number               |
|                     | <b>M3 Application Description</b><br>Warehouse Lot Number as Lot Number<br><b>M3 Application Specification</b><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field: BANO<br><br>API Call: MMS850MI/AddAdjustment<br>Input field PRFL: *EXE<br>Input field CONO: MMS850MI/GetUserInfo Output field CONO<br><b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e09_0451</i>   |  |



| Group: 3            | C 999999  | Segment Group: 3                          |
|---------------------|---|---|
| Segment: <b>W19</b> | <b>M 1</b>  | W19 - Warehouse Adjustment<br>Item Detail |
| 0477                | M N 10  | 477 - Credit/Debit Quantity               |
|                     | <b>M3 Application Description</b><br>Credit/Debit Quantity as Quantity  |   |
|                     | <b>M3 Application Specification</b><br>API dataMI program: MMS850MI Transaction: AddAdjustment Field:<br>QLQT |   |
|                     | Condition: g003/W19/e01_0181 equals to '03', '04', '05', '06' or '07'<br>Decrease stock<br>QLQT * - 1         |   |
|                     | <b>XPath</b><br><i>X12947/LOOP_W19_g003/W19/e02_0477</i>  |   |