



## Business Message Documentation

|                     |                                   |
|---------------------|-----------------------------------|
| Application Type    | <b>EDI Business Message (EBM)</b> |
| M3 version          | <b>BE15</b>                       |
| M3 Business Message | <b>CP - Customer Payment</b>      |
| Message Direction   | <b>Inbound</b>                    |
| Message Application | <b>X12 820 5010</b>               |

|          |                                  |
|----------|----------------------------------|
| Map name | <b>M3BE15_CP_In_X12_820_5010</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 /Element | Element | Description  |
|-------------|---------|--------------------|---------|--|
| 0 M 1       |         |                    |         |  |
|             | BPR M 1 |                    |         | BPR - Beginning Segment for Payment Order/ Remittance Advice |
|             |         |                    | 0305 M  | Transaction Handling Code                                    |
|             |         |                    | 0373 C  | Date   |
|             |         |                    | 0478 M  | Credit/Debit Flag Code                                       |
|             |         |                    | 0508 C  | Account Number   |
|             |         |                    | 0591 M  | Payment Method Code  |
|             | CUR C 1 |                    |         | CUR - Currency   |
|             |         |                    | 0100 M  | Currency Code  |
|             | ST M 1  |                    |         | ST - Transaction Set Header                                  |
|             |         |                    | 0143 M  | Transaction Set Identifier Code                              |
|             | TRN C 1 |                    |         | TRN - Trace  |
|             |         |                    | 0127 M  | Reference Identification                                     |
|             |         |                    | 0481 M  | Trace Type Code  |
| 1 C 9999999 |         |                    |         | Loop Id N1   |
|             | N1 C 1  |                    |         | N1 - Party Identification                                    |
|             |         |                    | 0067 C  | Identification Code  |
|             |         |                    | 0098 M  | Entity Identifier Code                                       |
| 2 C 9999999 |         |                    |         | Loop Id ENT  |
|             | ENT C 1 |                    |         | ENT - Entity   |
|             |         |                    | 0067 C  | Identification Code  |
|             |         |                    | 0098 C  | Entity Identifier Code                                       |



| Group        | Segment       | Composite<br>/Element | Element | Description  |
|--------------|---------------|-----------------------|---------|--|
| 14 C 9999999 |               |                       |         | Loop Id RMR  |
|              | DTM C 9999999 |                       |         | DTM - Date/Time<br>Reference   |
|              |               |                       | 0373 C  | Date   |
|              |               |                       | 0374 M  | Date/Time Qualifier  |
|              | RMR C 1       |                       |         | RMR - Remittance<br>Advice Accounts<br>Receivable Open<br>Item Reference |
|              |               |                       | 0127 C  | Reference<br>Identification  |
|              |               |                       | 0128 C  | Reference<br>Identification<br>Qualifier                                 |
|              |               |                       | 0782 C  | Monetary Amount  |



## Element Documentation

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

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

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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: BPR | M 1   | BPR - Beginning Segment for Payment Order/Remittance Advice |
| 0305         | M AN 2  | Transaction Handling Code                                   |
|              | <b>M3 Application Description</b><br>'C' = Payment accompanies remittance advice or 'E' = Debit/Credit Advice with remittance Detail or 'Z' = Mutually defined                      |   |
|              | <b>M3 Application Specification</b><br>Fixed data: "C" or "E" or "Z"  |   |
|              | Condition: if e01_0305 not equals "C" or "E" or "Z" terminate the map   |   |
|              | <b>M3 Data Translation</b><br><br>Message standard: "X12"Version: "5010" Message: "820" Parent elements: "g000/BPR" Data element: "e01_0305" Movex table: "" Movex field: ""        |   |
|              | <b>XPath</b><br><i>X12820/BPR/e01_0305</i>  |   |
| 0373         | C AN 8  | Date  |
|              | <b>M3 Application Description</b><br>Date as Payment date and Accounting date   |   |
|              | <b>M3 Application Specification</b><br><br>API dataMI program: ARS040MI Transaction: AddBatchHead Field: ACDT<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field: LPDT |   |
|              | <b>XPath</b><br><i>X12820/BPR/e16_0373</i>  |   |

| Group: 0     | M 1   | Segment Group: 0  |
|--------------|---|---|
| Segment: BPR | M 1   | BPR - Beginning Segment for Payment Order/Remittance Advice |
| 0478         | M AN 1  | Credit/Debit Flag Code                                      |
|              | <b>M3 Application Description</b><br>'C' = Credit flag or 'D' = Debit flag<br><b>M3 Application Specification</b><br>Condition: g000/BPR/e03_0478 equals 'C'<br>ARS040MI/AddBatchLine Field: PYAM equals g014/RMR/e04_0782 *-1<br><br>Condition: g000/BPR/e03_0478 equals 'D'<br>ARS040MI/AddBatchLine Field: PYAM equals g014/RMR/e04_0782<br><br><b>XPath</b><br><i>X12820/BPR/e03_0478</i>   |   |
| 0508         | C AN 35   | Account Number  |
|              | <b>M3 Application Description</b><br>Account number as Bank account number<br><b>M3 Application Specification</b><br><br>API dataMI program: ARS040MI Transaction: AddBatchHead Field: BAAN<br><b>XPath</b><br><i>X12820/BPR/e15_0508</i>   |   |
| 0591         | M AN 3  | Payment Method Code   |
|              | <b>M3 Application Description</b><br>Payment method code as Batch payment type<br><b>M3 Application Specification</b><br><br>API dataMI program: ARS040MI Transaction: AddBatchHead Field: BOPE<br><b>M3 Data Translation</b><br><br>Message standard: "X12"Version: "5010" Message: "820" Parent elements: "g000/BPR" Data element: "e04_0591" Movex table: "FARBPB" Movex field: "E1BOPE"<br><b>XPath</b><br><i>X12820/BPR/e04_0591</i> |   |





| Group: 0            | M 1  | Segment Group: 0  |
|---------------------|--|---|
| Segment: <b>BPR</b> | <b>M 1</b>   | BPR - Beginning Segment for Payment Order/Remittance Advice |
| 0591                | M AN 3   | Payment Method Code   |
|                     | <b>M3 Application Description</b>  |   |
|                     | Payment method code as Batch payment type  |   |
|                     | <b>M3 Application Specification</b>  |   |
|                     | API dataMI program: ARS040MI Transaction: AddBatchHead Field: BOPE   |   |
|                     | <b>M3 Data Translation</b>   |   |
|                     | Message standard: "X12"Version: "5010" Message: "820" Parent elements: "g000/BPR" Data element: "e04_0591" Movex table: "FARBPB" Movex field: "E1BOPE" |   |
| Segment: <b>CUR</b> | <b>C 1</b>   | CUR - Currency  |
| 0100                | M AN 3   | Currency Code   |
|                     | <b>M3 Application Description</b>  |   |
|                     | Currency code as Currency  |   |
|                     | <b>M3 Application Specification</b>  |   |
|                     | API dataMI program: ARS040MI Transaction: AddBatchLine Field: CUCD   |   |
|                     | <b>M3 Data Translation</b>   |   |
|                     | Message standard: "X12"Version: "5010" Message: "820" Parent elements: "g000/CUR" Data element: "e02_0100" Movex table: "FARBPI" Movex field: "E2CUCD" |   |
|                     | <b>XPath</b>   |   |
|                     | <i>X12820/CUR/e02_0100</i>   |   |



| Group: 0                    | M 1   | Segment Group: 0   |
|-----------------------------|---|--|
| Segment: <b>ST</b><br>0143  | <b>M 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'820' = Payment order / Remittance advice<br><b>M3 Application Specification</b><br>Fixed data: "820"<br><br>API Call: ARS040MI/GetUserInfo<br>Outputfield ZDCONO: CONO<br>Outputfield ZDDIVI: DIVI<br><br><b>XPath</b><br><i>X12820/ST/e01_0143</i> | ST - Transaction Set Header<br>Transaction Set Identifier Code |
| Segment: <b>TRN</b><br>0127 | <b>C 1</b><br>M AN 50<br><b>M3 Application Description</b><br>Reference identification as Check number<br><b>M3 Application Specification</b><br><br>API dataMI program: ARS040MI Transaction: AddBatchLine Field: CKNO<br><b>XPath</b><br><i>X12820/TRN/e02_0127</i>   | TRN - Trace<br>Reference Identification                        |
| 0481                        | M AN 2<br><b>M3 Application Description</b><br>"1" = Current transaction trace<br><b>M3 Application Specification</b><br><br>Fixed data '1'<br><b>XPath</b><br><i>X12820/TRN/e01_0481</i>   | Trace Type Code  |



| Group: 1            | C 999999   | Segment Group: 1                                 |
|---------------------|--|--|
| Segment: N1<br>0067 | C 1<br>C AN 80<br><b>M3 Application Description</b><br><br>'BY' = Buyer as Customer<br>'PR' = Payer as Payer<br><b>M3 Application Specification</b><br>Condition: e01_0098 equals "BY"<br>API call: CRS886MI/CnvPtrAlias<br>Input field CONO: CONO<br>Input field PAAL: e04_0067<br>Input field PCTG: "11"<br>API dataMI program: CRS886MI Transaction: CnvPtrAlias Field: PAID<br>If NOK from CRS886MI, use e04_0067<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field:<br>CUNO<br><br><br>Condition: e01_0098 equals "PR"<br>API call: CRS886MI/CnvPtrAlias<br>Input field CONO: CONO<br>Input field PAAL: e04_0067<br>Input field PCTG: "11"<br>API dataMI program: CRS886MI Transaction: CnvPtrAlias Field: PAID<br>If NOK from CRS886MI, use e04_0067<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field:<br>PYNO<br><br><br>API call: ARS040MI/AddBatchHead<br>Input field CONO: ARS040MI/GetUserInfo Output field: CONO<br>Input field DIVI: ARS040MI/GetUserInfo Output field: DIVI<br><br><b>M3 Data Translation</b><br>Condition:e01_0098 equals "BY"<br>Message standard: "X12" Version: "5010"Message: "820" Parent<br>elements: "g001/N1" Data element: "e04_0067"Conditional element:<br>"e01_0098" Conditional data: "BY" Movex table: "FARBPI" Movex<br>field: "E2CUNO"<br><br>Condition:e01_0098 equals "PR" | N1 - Party Identification<br>Identification Code |



| Group: 1            | C 9999999   | Segment Group: 1                                 |
|---------------------|---|--|
| Segment: N1<br>0067 | C 1<br>C AN 80<br><b>M3 Application Description</b><br><br>'BY' = Buyer as Customer<br>'PR' = Payer as Payer<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010"Message: "820" Parent<br>elements: "g001/N1" Data element: "e04_0067"Conditional element:<br>"e01_0098" Conditional data: "PR" Movex table: "FARBPI" Movex<br>field: "E2PYNO"<br><br><b>XPath</b><br>X12820/LOOP_N1_g001/N1/e04_0067 | N1 - Party Identification<br>Identification Code |
| 0098                | M AN 3<br><b>M3 Application Description</b><br><br>'BY' = Buyer<br>'PR' = Payer<br><b>M3 Application Specification</b><br>Fixed data: "BY" or "PR"<br><b>XPath</b><br>X12820/LOOP_N1_g001/N1/e01_0098   | Entity Identifier Code                           |

| Group: 2             | C 9999999  | Segment Group: 2                    |
|----------------------|--|-------------------------------------|
| Segment: ENT<br>0067 | C 1<br>C AN 80<br><b>M3 Application Description</b><br><br>'PR' = Payer as Payer<br><b>M3 Application Specification</b><br>Condition: e02_0098 equals "PR"<br><br>API call: CRS886MI/CnvPtrAlias<br>Input field CONO: CONO<br>Input field PAAL: e04_0067<br>Input field PCTG: "11"<br>API dataMI program: CRS886MI Transaction: CnvPtrAlias Field: PAID<br>If NOK from CRS886MI, use e04_0067<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field: PYNO<br><br>Note ! use g002/ENT/e04_0067 prior values received at g001/N1/e04_0067<br><b>M3 Data Translation</b><br><br>Message standard: "X12" Version: "5010"Message: "820" Parent elements: "g002/ENT" Data element: "e04_0067"Conditional element: "e02_0098" Conditional data: "PR" Movex table: "FARBPI" Movex field: "E2PYNO"<br><b>XPath</b><br>X12820/LOOP_ENT_g002/ENT/e04_0067 | ENT - Entity<br>Identification Code |
| 0098                 | C AN 3<br><b>M3 Application Description</b><br><br>'PR' = Payer<br><b>M3 Application Specification</b><br>Fixed data: "PR"<br><b>XPath</b><br>X12820/LOOP_ENT_g002/ENT/e02_0098  | Entity Identifier Code              |

| Group: 14  | C 9999999           | Segment Group: 14                 |
|--|---------------------|-----------------------------------|
| Segment: DTM<br>0373   | C 9999999<br>C AN 8 | DTM - Date/Time Reference<br>Date |
| <b>M3 Application Description</b><br>'020' = Check as Payment date<br>'003' = Invoice date as Invoice year   |                     |                                   |
| <b>M3 Application Specification</b><br>Condition: e01_0374 equals "020"<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field: LPDT<br>Note ! use g014/DTM/e02_0373 prior to values received at g000/BPR/e16_0373<br><br>Condition: e01_0374 equals "003"<br>API dataMI program: ARS040MI Transaction: AddBatchLine Field: INYR<br>Note ! INYR = CCYY<br><br>Condition: g012/RMR/e01_0128 equals "IV"<br>API call: ARS040MI/AddBatchLine<br>Input field CONO: MBMInit Output field: CONO<br>Input field DIVI: MBMInit Output field: DIVI<br>Input field PBID: AddBatchHead Output field: PBID.<br>Input field TRNO: Counter. Start value 1. Increment with 1.<br><br>Note !<br>if CUNO eq blank use PYNO as CUNO<br>if PYNO eq blank use CUNO as PYNO<br><br>After last occurrence of g002/ENT loop<br>Add user function ManifestUpdate<br>setManifestInfo ("map:keyField1", "CONO");<br>setManifestInfo ("map:keyValue1", CONO);<br>setManifestInfo ("map:keyField2", "DIVI");<br>setManifestInfo ("map:keyValue2", DIVI);<br>setManifestInfo ("map:keyField3", "PBID");<br>setManifestInfo ("map:keyValue3", PBID);<br><br><b>XPath</b><br>X12820/LOOP_ENT_g002/LOOP_RMR_g014/DTM/e02_0373 |                     |                                   |

| Group: 14           |  | C 9999999                          | Segment Group: 14 |
|---------------------|--|------------------------------------|-------------------|
| Segment: <b>DTM</b> | <b>C 9999999</b>   | DTM - Date/Time Reference          |                   |
| 0374                | M AN 3   | Date/Time Qualifier                |                   |
|                     | <b>M3 Application Description</b>  |                                    |                   |
|                     | '003' = Invoice date   |                                    |                   |
|                     | '020' = Check  |                                    |                   |
|                     | <b>M3 Application Specification</b>  |                                    |                   |
|                     | Fixed data: "003" or "020"   |                                    |                   |
|                     | <b>XPath</b>   |                                    |                   |
|                     | X12820/LOOP_ENT_g002/LOOP_RMR_g014/DTM/e01_0374  |                                    |                   |
| Segment: <b>RMR</b> | <b>C 1</b>   | RMR - Remittance Advice            |                   |
|                     |  | Accounts Receivable Open Item      |                   |
|                     |  | Reference                          |                   |
| 0127                | C AN 50  | Reference Identification           |                   |
|                     | <b>M3 Application Specification</b>  |                                    |                   |
|                     | Reference identification as Invoice number   |                                    |                   |
|                     | API dataMI program: ARS040MI Transaction: AddBatchLine Field: CINO   |                                    |                   |
|                     | <b>XPath</b>   |                                    |                   |
|                     | X12820/LOOP_ENT_g002/LOOP_RMR_g014/RMR/e02_0127  |                                    |                   |
| 0128                | C AN 3   | Reference Identification Qualifier |                   |
|                     | <b>M3 Application Specification</b>  |                                    |                   |
|                     | Fixed data: "IV"   |                                    |                   |
|                     | <b>M3 Data Translation</b>   |                                    |                   |
|                     | Message standard: "X12" Version: "5010"Message: "820" Parent elements: "g012/RMR" Data element: "e01_0128"Conditional element: "" Conditional data: "" Movex table: "" Movex field: "" |                                    |                   |
|                     | <b>XPath</b>   |                                    |                   |
|                     | X12820/LOOP_ENT_g002/LOOP_RMR_g014/RMR/e01_0128  |                                    |                   |



| Group: 14   | C 9999999 | Segment Group: 14   |
|---|-----------|---|
| Segment: RMR  | C 1       | RMR - Remittance Advice<br>Accounts Receivable Open Item<br>Reference |
| 0782  | C N 18    | Monetary Amount   |
| <b>M3 Application Specification</b>   |           |   |
| Monetary amount as Payment amount   |           |   |
| Condition: g000/BPR/e03_0478 equals 'C'   |           |   |
| API dataMI program: ARS040MI Transaction: AddBatchLine Field:<br>PYAM equals g014/RMR/e04_0782 * -1 |           |   |
| Condition: g000/BPR/e03_0478 equals 'D'   |           |   |
| API dataMI program: ARS040MI Transaction: AddBatchLine Field:<br>PYAM equals g014/RMR/e04_0782      |           |   |
| <b>XPath</b>  |           |   |
| X12820/LOOP_ENT_g002/LOOP_RMR_g014/RMR/e04_0782   |           |   |