Business Message Documentation

Application Type	**EDI Business Message (EBM)**
M3 version	**BE15**
M3 Business Message	**POC - Purchase Order Confirmation**
Message Direction	**Inbound**
Message Application	**X12 855 4010**

Map name	**M3BE15_POC_In_X12_855_4010**

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				
	BAK M 1			BAK - Beginning Segment for Purchase Order Acknowledgment
			0324 M	Purchase Order Number
			0587 M	Acknowledgment Type
	DTM C 10			DTM - Date/Time Reference
			0373 C	Date
			0374 M	Date/Time Qualifier
			1250 C	Date Time Period Format Qualifier
	REF C 9999999			REF - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
	SE M 1			SE - Transaction Set Trailer
			0096 M	Number of Included Segments
1 C 25				Loop Id SAC
	SAC C 1			SAC - Service
			0248 M	Allowance or Charge Indicator
			0332 C	Percent
3 C 200				Loop Id N1
	PER C 9999999			PER - Administrative Communications Contact
			0093 C	Name

Group	Segment	Composite /Element	Element	Description
3 C 200				Loop Id N1
	PER C 9999999			PER - Administrative Communications Contact
			0366 M	Contact Function Code
5 C 100000				Loop Id PO1
	DTM C 10			DTM - Date/Time Reference
			0373 C	Date
			0374 M	Date/Time Qualifier
			1250 C	Date Time Period Format Qualifier
			1251 C	Date Time Period
	PO1 C 1			PO1 - Baseline Item Data
			0212 C	Unit Price
			0330 C	Quantity Ordered
			0350 C	Assigned Identification
			0639 C	Basis of Unit Price Code
	REF C 9999999			REF - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
7 C 25				Loop Id SAC
	SAC C 1			SAC - Service
			0248 M	Allowance or Charge Indicator
			0332 C	Percent

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 Specifiation
This section contains the specification that constitutes the base for the EBM. It describes whether the element uses data from or transfers data to a M3 API, uses calculated data and/or fixed data. It also describes how and when to make the M3 API calls, which input and output fields to use, etc. Additional information may also be given, such as conditions or notes to clarify specific logic used.

Taken together, the sections M3 Application Description and M3 Application Specification define the functionality of the EBM.

Group: 0	M 1	Segment Group: 0
Segment: **BAK**	**M 1**	BAK - Beginning Segment for Purchase Order Acknowledgment

0324   M   AN   22   Purchase Order Number

M3 Application Description
Purchase order number as Supplier order number

M3 Application Specification
Condition: e02_0587 equals "AD"

API dataMI program: PPS001MI Transaction: ConfirmAll Field: SORN

Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: SORN

XPath
X12855/BAK/e03_0324

0587   M   AN   2   Acknowledgment Type

M3 Application Description
'AD' = With detail, no change
'AC' = With detail and change

XPath
X12855/BAK/e02_0587

Segment: **DTM**	**C 10**	DTM - Date/Time Reference

0373   C   AN   8   Date

M3 Application Description
'002' = Delivery requested as Confirmed delivery date
'010' = Requested ship as Confirmed delivery date

M3 Application Specification
Condition: e02_0587 equals "AD"

Condition: e01_0374 equals "002" OR "010"

API dataMI program: PPS001MI Transaction: ConfirmAll Field: CODT

Condition: e02_0587 equals "AC"

Condition: e01_0374 equals "002" OR "010"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CODT

XPath
X12855/DTM/e02_0373

Group: 0	M 1	Segment Group: 0
Segment: **DTM**	**C 10**	DTM - Date/Time Reference
0374	M AN 3	Date/Time Qualifier

M3 Application Description
'002' = Delivery requested

'010' = Requested ship

M3 Application Specification
Fixed data: "002" or "010"

XPath
X12855/DTM/e01_0374

1250	C AN 3	Date Time Period Format Qualifier

M3 Application Description
Note: Convert date to CCYYMMDD from date format according to format qualifier. If no format qualifier assume date format CCYYMMDD.

XPath
X12855/DTM/e05_1250

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Group: 0	M 1	Segment Group: 0
Segment: **REF**	C 9999999	REF - Reference Identification
0127	C AN 30	Reference Identification

M3 Application Description
'PO' = Purchase order number as Purchase order number

VN' = Vendor order number as Supplier order number

M3 Application Specification
Condition: e02_0587 equals "AD"

Condition: e01_0128 equals "PO"

API dataMI program: PPS001MI Transaction: ConfirmAll Field: PUNO

Condition: e02_0587 equals "AC"

Condition: e01_0128 equals "PO"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: PUNO

Condition: e02_0587 equals "AD"

Condition: e01_0128 equals "VN"

API dataMI program: PPS001MI Transaction: ConfirmAll Field: SORN

Condition: e02_0587 equals "AC"

Condition: e01_0128 equals "VN"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: SORN

XPath
X12855/REF/e02_0127

0128	M AN 3	Reference Identification Qualifier

M3 Application Description
'PO' = Purchase order number

VN' = Vendor order number

M3 Application Specification
Fixed data: "PO" or "VN"

XPath
X12855/REF/e01_0128

Group: 0	M 1	Segment Group: 0
Segment: **SE**	**M 1**	SE - Transaction Set Trailer
0096	M N0 10	Number of Included Segments

M3 Application Description
Call API

M3 Application Specification
Condition: e02_0587 equals "AD"
API call:PPS001MI/ConfirmAll
Input field CONO: CONO
Input field PONO: PONO

XPath
X12855/SE/e01_0096

Group: 1	C 25	Segment Group: 1
Segment: **SAC**	**C 1**	SAC - Service
0248	M AN 1	Allowance or Charge Indicator

M3 Application Description
'A' = Allowance

M3 Application Specification
Fixed data: "A"

XPath
X12855/LOOP_SAC_g001/SAC/e01_0248

0332	C N 6	Percent

M3 Application Description
First loop: Percentage as Confirmed discount 1
Second loop: Percentage as Confirmed discount 2
Third loop: Percentage as Confirmed discount 3

M3 Application Specification
Condition: e02_0587 equals "AC"
Condition: First loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD1

Condition: e02_0587 equals "AC"
Condition: Second loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD2

Condition: e02_0587 equals "AC"
Condition: Third loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD3

XPath
X12855/LOOP_SAC_g001/SAC/e07_0332

Group: 1	C 25	Segment Group: 1
Segment: **SAC**	**C 1**	SAC - Service
0332	C N 6	Percent

M3 Application Description
First loop: Percentage as Confirmed discount 1
Second loop: Percentage as Confirmed discount 2
Third loop: Percentage as Confirmed discount 3

M3 Application Specification
Condition: e02_0587 equals "AC"
Condition: First loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD1

Condition: e02_0587 equals "AC"
Condition: Second loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD2

Condition: e02_0587 equals "AC"
Condition: Third loop
API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD3

XPath
X12855/LOOP_SAC_g001/SAC/e07_0332

Group: 3	C 200	Segment Group: 3
Segment: **PER**	**C 9999999**	PER - Administrative Communications Contact
0093	C AN 60	Name

M3 Application Description
Salesman as Your reference

M3 Application Specification
Condition: e02_0587 equals "AC"
Condition: e01_0098 equals "SU"
API dataMI program: PPS001MI Transaction: ConfirmLine Field: YRE1

XPath
X12855/LOOP_N1_g003/PER/e02_0093

Group: 3	C 200	Segment Group: 3
Segment: **PER**	C 9999999	PER - Administrative Communications Contact
0366	M AN 2	Contact Function Code

M3 Application Description
'SR' = Sales representative or department

M3 Application Specification
Condition: e01_0098 equals "SU"

Fixed data: "SR"

XPath
X12855/LOOP_N1_g003/PER/e01_0366

Group: 5	C 100000	Segment Group: 5
Segment: **DTM**	C 10	DTM - Date/Time Reference
0373	C AN 8	Date

M3 Application Description
'002' = Delivery requested as Confirmed delivery date

'010' = Requested ship as Confirmed delivery date

M3 Application Specification
Condition: e02_0587 equals "AC"

Condition: e01_0374 equals "002" OR "010"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CODT

XPath
X12855/LOOP_PO1_g005/DTM/e02_0373

0374	M AN 3	Date/Time Qualifier

M3 Application Description
'002' = Delivery requested

'010' = Requested ship

M3 Application Specification
Fixed data: "002" or "010"

XPath
X12855/LOOP_PO1_g005/DTM/e01_0374

Group: 5	C 100000	Segment Group: 5
Segment: **DTM**	**C 10**	DTM - Date/Time Reference
1250	C AN 3	Date Time Period Format Qualifier

M3 Application Description
Note: Convert date to CCYYMMDD from date format according to
format qualifier. If no format qualifier assume date format
CCYYMMDD.

XPath
X12855/LOOP_PO1_g005/DTM/e05_1250

1251	C AN 35	Date Time Period

M3 Application Description
Call API

M3 Application Specification
Condition: e02_0587 equals "AC"

API call:PPS001MI/ConfirmLine

Input field CONO: CONO

Input field PONO: PONO

Input field PNLI: PNLI

Input field PNLS: 0

XPath
X12855/LOOP_PO1_g005/DTM/e06_1251

Segment: **PO1**	**C 1**	PO1 - Baseline Item Data
0212	C N 17	Unit Price

M3 Application Description
Unit price as Confirmed purchase price

M3 Application Specification
Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CPPR

XPath
X12855/LOOP_PO1_g005/PO1/e04_0212

0330	C N 15	Quantity Ordered

M3 Application Description
Quantity ordered as Confirmed quantity

M3 Application Specification
Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFQA

XPath
X12855/LOOP_PO1_g005/PO1/e02_0330

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Group: 5	C 100000	Segment Group: 5

Segment: **PO1**	C 1	PO1 - Baseline Item Data
0330	C N 15	Quantity Ordered

M3 Application Description
Quantity ordered as Confirmed quantity

M3 Application Specification
Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFQA

XPath
X12855/LOOP_PO1_g005/PO1/e02_0330

0350	C AN 20	Assigned Identification

M3 Application Description
Assigned identification as Purchase order line number

M3 Application Specification
Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: PNLI

XPath
X12855/LOOP_PO1_g005/PO1/e01_0350

0639	C AN 2	Basis of Unit Price Code

M3 Application Description
Basis of unit price code as Confirmed price quantity

M3 Application Specification
Condition: e02_0587 equals "AC"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CPUC

M3 Data Translation
Message standard: "X12" Version: "4010" Message: "855" Parent elements: "PO1" Data element: "e05_0639" Movex table: "n/a" Movex field: "n/a"

XPath
X12855/LOOP_PO1_g005/PO1/e05_0639

Group: 5	C 100000	Segment Group: 5
Segment: **REF**	**C 9999999**	REF - Reference Identification
0127	C AN 30	Reference Identification

M3 Application Description

'PO' = Purchase order number as Purchase order number

VN' = Vendor order number as Supplier order number

M3 Application Specification

Condition: e02_0587 equals "AC"

Condition: e01_0128 equals "PO"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: PUNO

Condition: e02_0587 equals "AC"

Condition: e01_0128 equals "VN"

API dataMI program: PPS001MI Transaction: ConfirmLine Field: SORN

XPath
X12855/LOOP_PO1_g005/REF/e02_0127

0128	M AN 3	Reference Identification Qualifier

M3 Application Description

'PO' = Purchase order number

VN' = Vendor order number

M3 Application Specification

Fixed data: "PO" or "VN"

XPath
X12855/LOOP_PO1_g005/REF/e01_0128

Group: 7	C 25	Segment Group: 7
Segment: **SAC**	**C 1**	SAC - Service
0248	M AN 1	Allowance or Charge Indicator

M3 Application Description

'A' = Allowance

M3 Application Specification

Fixed data: "A"

XPath
X12855/LOOP_PO1_g005/LOOP_SAC_g007/SAC/e01_0248

Group: 7	C 25	Segment Group: 7
Segment: **SAC**	**C 1**	SAC - Service
0332	C N 6	Percent

M3 Application Description
First loop: Percentage as Confirmed discount 1

Second loop: Percentage as Confirmed discount 2

Third loop: Percentage as Confirmed discount 3

M3 Application Specification
Condition: e02_0587 equals "AC"

Condition: First loop

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD1

Condition: e02_0587 equals "AC"

Condition: Second loop

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD2

Condition: e02_0587 equals "AC"

Condition: Third loop

API dataMI program: PPS001MI Transaction: ConfirmLine Field: CFD3

XPath
X12855/LOOP_PO1_g005/LOOP_SAC_g007/SAC/e07_0332