



Business Message Documentation

Application Type	EDI Business Message (EBM)
M3 version	BE15
M3 Business Message	CP - Customer Payment
Message Direction	Inbound
Message Application	X12 812 4010

Map name	M3BE15_CP_In_X12_812_4010
----------	----------------------------------

Source file	M3BE15_CP_In_X12_812_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				
	BCD M 1			BCD - Beginning Credit/Debit Adjustment
			0076 C	76 - Invoice Number
			0305 M	305 - Transaction Handling Code
			0373 M	373 - Date
			0478 M	478 - Credit/Debit Flag Code
	CUR C 1			CUR - Currency
			0098 M	98 - Entity Identifier Code
			0100 M	100 - Currency Code
	ST M 1			ST - Transaction Set Header
			0143 M	143 - Transaction Set Identifier Code
1 C 200				Loop Id N1
	N1 M 1			N1 - Name
			0067 C	67 - Identification Code
			0098 M	98 - Entity Identifier Code
4 C 9999999				Loop Id CDD
	CDD C 1			CDD - Credit/Debit Adjustment Detail
			0478 M	478 - Credit/Debit Flag Code
			0610 C	610 - 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.

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: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0076	C AN 22	76 - Invoice Number
	M3 Application Description Invoice number as Invoice number M3 Application Specification API dataMI program: ARS040MI Transaction: AddBatchLine Field:CINO XPath <i>X12812/BCD/e07_0076</i>	
0305	M AN 2	305 - Transaction Handling Code
	M3 Application Description Transaction Handling code as Batch payment type M3 Application Specification API dataMI program: ARS040MI Transaction: AddBatchHead Field: BOPE M3 Data Translation Message standard: "X12"Version: "4010" Message: "812" Parent elements: "g000/BCD" Data element: "e03_0305" Movex table: "FARBPB" Movex field: "E1BOPE" XPath <i>X12812/BCD/e03_0305</i>	
0373	C AN 8	373 - Date
	M3 Application Description Date and Invoice year M3 Application Specification API dataMI program: ARS040MI Transaction: AddBatchLine Field: INYR Note ! use CCYY XPath <i>X12812/BCD/e06_0373</i>	

Group: 0	M 1	Segment Group: 0
Segment: BCD	M 1	BCD - Beginning Credit/Debit Adjustment
0373	C AN 8	373 - Date
	M3 Application Description Date as Accounting date, Payment date and Invoice Year	
	M3 Application Specification API dataMI program: ARS040MI Transaction: AddBatchHead Field: ACDT API dataMI program: ARS040MI Transaction: AddBatchLine Field: LPDT Condition: e06_0373 equals blank API dataMI program: ARS040MI Transaction: AddBatchLine Field: INYR Note ! use CCYY XPath <i>X12812/BCD/e01_0373</i>	
0478	M AN 1	478 - Credit/Debit Flag Code
	M3 Application Description 'C' = Credit flag or 'D' = Debit flag	
	M3 Application Specification Condition: if e05_0478 not equals "D" terminate the map Note ! ARS040MI/AddBatchLine can not handle negative amount XPath <i>X12812/BCD/e05_0478</i>	
Segment: CUR	C 1	CUR - Currency
0098	M AN 3	98 - Entity Identifier Code
	M3 Application Description 'BY' = Buying party (purchaser)	
	M3 Application Specification Fixed data = "BY"	
	XPath <i>X12812/CUR/e01_0098</i>	



Group: 0	M 1	Segment Group: 0
Segment: CUR 0100	C 1 M AN 3 M3 Application Description Currency code as Currency M3 Application Specification Condition: e01_0098 equals "BY" API dataMI program: ARS040MI Transaction: AddBatchLine Field: CUCD M3 Data Translation Message standard: "X12"Version: "4010" Message: "812" Parent elements: "g000/CUR" Data element: "e02_0100" Movex table: "FARBPI" Movex field: "E2CUCD" XPath <i>X12812/CUR/e02_0100</i>	CUR - Currency 100 - Currency Code
Segment: ST 0143	M 1 M AN 3 M3 Application Description '812' = Credit/Debit Adjustment M3 Application Specification Fixed data: "812" API Call: ARS040MI/GetUserInfo Outputfield ZDCONO: CONO Outputfield ZDDIVI: DIVI XPath <i>X12812/ST/e01_0143</i>	ST - Transaction Set Header 143 - Transaction Set Identifier Code

Group: 1	C 200	Segment Group: 1
Segment: N1	M 1	N1 - Name
0067	C AN 80	67 - Identification Code
	M3 Application Description	
	'XI' = Original claimant as Customer and Payer	
	M3 Application Specification	
	Condition: e01_0098 equals "XI"	
	API call: CRS886MI/CnvPtrAlias	
	Input field CONO: CONO	
	Input field PAAL: e04_0067	
	Input field PCTG: "11"	
	API dataMI program: CRS886MI Transaction: CnvPtrAlias Field: PAID	
	If NOK from CRS886MI, use e04_0067	
	API dataMI program: ARS040MI Transaction: AddBatchLine Field: CUNO	
	API dataMI program: ARS040MI Transaction: AddBatchLine Field: PYNO	
	API call: ARS040MI/AddBatchHead	
	Input field CONO: ARS040MI/GetUserInfo Output field: CONO	
	Input field DIVI: ARS040MI/GetUserInfo Output field: DIVI	
	M3 Data Translation	
	Condition:e01_0098 equals "XI"	
	Message standard: "X12" Version: "4010"Message: "812" Parent elements: "g001/N1" Data element: "e04_0067"Conditional element: "e01_0098" Conditional data: "XI" Movex table: "FARBPI" Movex field: "E2CUNO"	
	XPath	
	X12812/LOOP_N1_g001/N1/e04_0067	
0098	M AN 3	98 - Entity Identifier Code
	M3 Application Description	
	'XI' = Original claimant	
	M3 Application Specification	
	Fixed data: "XI"	
	XPath	
	X12812/LOOP_N1_g001/N1/e01_0098	

Group: 4	C 999999	Segment Group: 4
Segment: CDD	C 1	CDD - Credit/Debit Adjustment Detail
0478	M AN 1	478 - Credit/Debit Flag Code
	M3 Application Description 'C' = Credit flag or 'D' = Debit flag M3 Application Specification Condition: if e02_0478 equals "D"	
	XPath <i>X12812/LOOP_CDD_g004/CDD/e02_0478</i>	
0610	C N2 15	610 - Amount
	M3 Application Specification Monetary amount as Payment amount API dataMI program: ARS040MI Transaction: AddBatchLine Field: PYAM Condition: if e02_0478 equals "D" API call: ARS040MI/AddBatchLine Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field PBID: AddBatchHead Output field: PBID. Input field TRNO: Counter. Start value 1. Increment with 1. Note ! ARS040MI/AddBatchLine can not handle negative amount After last occurrence of g004/CDD loop Add user function ManifestUpdate setManifestInfo ("map:keyField1", "CONO"); setManifestInfo ("map:keyValue1", CONO); setManifestInfo ("map:keyField2", "DIVI"); setManifestInfo ("map:keyValue2", DIVI); setManifestInfo ("map:keyField3", "PBID"); setManifestInfo ("map:keyValue3", PBID);	
	XPath <i>X12812/LOOP_CDD_g004/CDD/e04_0610</i>	



Group: 4		C 9999999	Segment Group: 4
Segment: CDD		C 1	CDD - Credit/Debit Adjustment Detail
0610		C N2 15	610 - Amount
		XPath <i>X12812/LOOP_CDD_g004/CDD/e04_0610</i>	