



## 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 4010</b>

Map name	<b>M3BE15_CP_In_X12_820_4010</b>
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Source file	M3BE15_CP_In_X12_820_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				
	BPR M 1			BPR - Beginning Segment for Payment Order/ Remittance Advice
			0305 M	Transaction Handling Code
			0478 M	Credit/Debit Flag Code
			0508 C	Account Number
			0591 M	Payment Method Code
	CUR C 1			CUR - Currency
			0100 M	Currency Code
	DTM C 9999999			DTM - Date/Time Reference
			0373 C	Date
			0374 M	Date/Time Qualifier
	ST M 1			ST - Transaction Set Header
			0143 M	Transaction Set Identifier Code
1 C 9999999				Loop Id N1
	N1 C 1			N1 - Name Identification Code
			0067 C	
			0098 M	Entity Identifier Code
2 C 9999999				Loop Id ENT
	ENT C 1			ENT - Entity Identification Code
			0067 C	
			0098 C	Entity Identifier Code



Group	Segment	Composite /Element	Element	Description
12 C 9999999				Loop Id RMR
	DTM C 9999999			DTM - Date/Time Reference
			0373 C	Date
			0374 M	Date/Time Qualifier
	RMR C 1			RMR - Remittance Advice Accounts Receivable Open Item Reference
			0127 C	Reference Identification
			0128 C	Reference Identification 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> 'C' = Payment accompanies remittance advice or 'E' = Debit/Credit Advice with remittance Detail or 'Z' = Mutually defined  <b>M3 Application Specification</b> 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>  Message standard: "X12"Version: "4010" Message: "820" Parent elements: "g000/BPR" Data element: "e01_0305" Movex table: "" Movex field: ""  <b>XPath</b> <i>X12820/BPR/e01_0305</i>	
0478	M AN 1	Credit/Debit Flag Code
	<b>M3 Application Description</b> 'C' = Credit flag or 'D' = Debit flag  <b>M3 Application Specification</b> Fixed data: "C" Condition: if e03_0478 not equals "C" terminate the map  Note ! ARS040MI/AddBatchLine can not handle negative amount  <b>XPath</b> <i>X12820/BPR/e03_0478</i>	
0508	C AN 35	Account Number
	<b>M3 Application Description</b> Account number as Bank account number  <b>M3 Application Specification</b>  API dataMI program: ARS040MI Transaction: AddBatchHead Field: BAAN  <b>XPath</b> <i>X12820/BPR/e15_0508</i>	

Group: 0	M 1	Segment Group: 0
Segment: <b>BPR</b>	<b>M 1</b>	BPR - Beginning Segment for Payment Order/Remittance Advice
0508	C AN 35	Account Number
	<b>M3 Application Description</b>	Account number as Bank account number
	<b>M3 Application Specification</b>	
		API dataMI program: ARS040MI Transaction: AddBatchHead Field: BAAN
	<b>XPath</b>	<i>X12820/BPR/e15_0508</i>
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: "4010" Message: "820" Parent elements: "g000/BPR" Data element: "e04_0591" Movex table: "FARBPB" Movex field: "E1BOPE"
	<b>XPath</b>	<i>X12820/BPR/e04_0591</i>
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: "4010" 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>CUR</b> 0100	<b>C 1</b> M AN 3 <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: "4010" 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>	CUR - Currency Currency Code
Segment: <b>DTM</b> 0373	<b>C 9999999</b> C AN 8 <b>M3 Application Description</b> '020' = Check as Payment date and Accounting date <b>M3 Application Specification</b> Condition: e01_0374 equals "020" API dataMI program: ARS040MI Transaction: AddBatchHead Field: ACDT API dataMI program: ARS040MI Transaction: AddBatchLine Field: LPDT <b>XPath</b> <i>X12820/DTM/e02_0373</i>	DTM - Date/Time Reference Date
0374	M AN 3 <b>M3 Application Description</b> '020' = Check <b>M3 Application Specification</b> Fixed data: "020" <b>XPath</b> <i>X12820/DTM/e01_0374</i>	Date/Time Qualifier



Group: 0	M 1	Segment Group: 0
Segment: <b>ST</b> 0143	<b>M 1</b> M AN 3 <b>M3 Application Description</b> '820' = Payment order / Remittance advice <b>M3 Application Specification</b> Fixed data: "820"  API Call: ARS040MI/GetUserInfo Outputfield ZDCONO: CONO Outputfield ZDDIVI: DIVI  <b>XPath</b> X12820/ST/e01_0143	ST - Transaction Set Header Transaction Set Identifier Code



Group: 1	C 9999999	Segment Group: 1
Segment: N1	C 1	N1 - Name
0067	C AN 80	Identification Code
<b>M3 Application Description</b>		
'BY' = Buyer as Customer		
'PR' = Payer as Payer		
<b>M3 Application Specification</b>		
Condition: e01_0098 equals "BY"		
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		
Condition: e01_0098 equals "PR"		
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:		
PYNO		
API call: ARS040MI/AddBatchHead		
Input field CONO: ARS040MI/GetUserInfo Output field: CONO		
Input field DIVI: ARS040MI/GetUserInfo Output field: DIVI		
<b>M3 Data Translation</b>		
Condition:e01_0098 equals "BY"		
Message standard: "X12" Version: "4010"Message: "820" Parent		
elements: "g001/N1" Data element: "e04_0067"Conditional element:		
"e01_0098" Conditional data: "BY" Movex table: "FARBPI" Movex		
field: "E2CUNO"		
Condition:e01_0098 equals "PR"		



Group: 1	C 9999999	Segment Group: 1
Segment: <b>N1</b> 0067	<b>C 1</b> C AN 80 <b>M3 Application Description</b>  'BY' = Buyer as Customer 'PR' = Payer as Payer <b>M3 Data Translation</b> Message standard: "X12" Version: "4010"Message: "820" Parent elements: "g001/N1" Data element: "e04_0067"Conditional element: "e01_0098" Conditional data: "PR" Movex table: "FARBPI" Movex field: "E2PYNO"  <b>XPath</b> X12820/LOOP_N1_g001/N1/e04_0067	N1 - Name Identification Code
0098	M AN 3 <b>M3 Application Description</b>  'BY' = Buyer 'PR' = Payer <b>M3 Application Specification</b> Fixed data: "BY" or "PR" <b>XPath</b> X12820/LOOP_N1_g001/N1/e01_0098	Entity Identifier Code



Group: 2	C 9999999	Segment Group: 2
Segment: ENT 0067	C 1 C AN 80 <b>M3 Application Description</b>  'PR' = Payer as Payer <b>M3 Application Specification</b> Condition: e02_0098 equals "PR"  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: PYNO  Note ! use g002/ENT/e04_0067 prior values received at g001/N1/ e04_0067 <b>M3 Data Translation</b>  Message standard: "X12" Version: "4010"Message: "820" Parent elements: "g002/ENT" Data element: "e04_0067"Conditional element: "e02_0098" Conditional data: "PR" Movex table: "FARBPI" Movex field: "E2PYNO" <b>XPath</b> X12820/LOOP_ENT_g002/ENT/e04_0067	ENT - Entity Identification Code
0098	C AN 3 <b>M3 Application Description</b>  'PR' = Payer <b>M3 Application Specification</b> Fixed data: "PR" <b>XPath</b> X12820/LOOP_ENT_g002/ENT/e02_0098	Entity Identifier Code

Group: 12	C 9999999	Segment Group: 12
Segment: <b>DTM</b> 0373	<b>C 9999999</b> C AN 8	DTM - Date/Time Reference Date
<b>M3 Application Description</b> '020' = Check as Payment date '003' = Invoice date as Invoice year <b>M3 Application Specification</b> Condition: e01_0374 equals "020" API dataMI program: ARS040MI Transaction: AddBatchLine Field: LPDT Note ! use g012/DTM/e02_0373 prior to values received at g000/DTM/e02_0373  Condition: e01_0374 equals "003" API dataMI program: ARS040MI Transaction: AddBatchLine Field: INYR Note ! INYR = CCYY  Condition: g012/RMR/e01_0128 equals "IV" 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 ! if CUNO eq blank use PYNO as CUNO if PYNO eq blank use CUNO as PYNO  After last occurrence of g002/ENT 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);  <b>XPath</b> X12820/LOOP_ENT_g002/LOOP_RMR_g012/DTM/e02_0373		

Group: 12		C 9999999	Segment Group: 12
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_g012/DTM/e01_0374		
Segment: <b>RMR</b>	<b>C 1</b>		RMR - Remittance Advice Accounts Receivable Open Item Reference
0127	C AN 30		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_g012/RMR/e02_0127		
0128	C AN 3		Reference Identification Qualifier
	<b>M3 Application Description</b>		
	'IV' = Sellers invoice		
	<b>M3 Application Specification</b>		
	Fixed data: "IV"		
	<b>M3 Data Translation</b>		
	Message standard: "X12" Version: "4010"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_g012/RMR/e01_0128		



Group: 12	C 9999999	Segment Group: 12
Segment: RMR	C 1	RMR - Remittance Advice Accounts Receivable Open Item Reference
0782	C N 18	Monetary Amount
<b>M3 Application Specification</b>		
Monetary amount as Payment amount		
API dataMI program: ARS040MI Transaction: AddBatchLine Field: PYAM		
<b>XPath</b> X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e04_0782		
<b>XPath</b> X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e06_0782		