



Business Message Documentation

Application Type	EDI Business Message (EBM)
M3 version	BE15
M3 Business Message	SP - Supplier Payment
Message Direction	Outbound
Message Application	X12 820 4010

Map name	M3BE15_SP_Out_X12_820_4010
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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	305 - Transaction Handling Code
			0478 M	478 - Credit/Debit Flag Code
			0506 C	506 - (DFI) ID Number Qualifier
			0507 C	507 - (DFI) Identification Number
			0508 C	508 - Account Number
			0569 C	569 - Account Number Qualifier
			0591 M	591 - Payment Method Code
			0782 M	782 - Monetary Amount
			0812 C	812 - Payment Format Code
	CUR C 1			CUR - Currency
			0098 M	98 - Entity Identifier Code
			0100 M	100 - Currency Code
	SE M 1			SE - Transaction Set Trailer
			0096 M	96 - Number of Included Segments
	ST M 1			ST - Transaction Set Header
			0143 M	143 - Transaction Set Identifier Code

Group	Segment	Composite /Element	Element	Description
0 M 1				
	ST M 1		0329 M	ST - Transaction Set Header 329 - Transaction Set Control Number
	TRN C 1		0127 M	TRN - Trace 127 - Reference Identification
			0481 M	481 - Trace Type Code
1 C 9999999				Loop Id N1
	N1 C 1		0066 C	N1 - Name 66 - Identification Code Qualifier
			0067 C	67 - Identification Code
			0093 C	93 - Name
			0098 M	98 - Entity Identifier Code
2 C 9999999				Loop Id ENT
	ENT C 1		0066 C	ENT - Entity 66 - Identification Code Qualifier
			0067 C	67 - Identification Code
			0098 C	98 - Entity Identifier Code
			0554 C	554 - Assigned Number
12 C 9999999				Loop Id RMR
	DTM C 9999999		0373 C	DTM - Date/Time Reference 373 - Date
			0374 M	374 - Date/Time Qualifier



Group	Segment	Composite /Element	Element	Description
12 C 9999999				Loop Id RMR
	RMR C 1			RMR - Remittance Advice Accounts Receivable Open Item Reference
			0127 C	127 - Reference Identification
			0128 C	128 - Reference Identification Qualifier
			0482 C	482 - Payment Action Code
			0782 C	782 - 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	305 - Transaction Handling Code
	M3 Application Description 'C' - Payment accompanies remittance advice as Transaction Handling Code M3 Application Specification Fixed data: "C" XPath <i>X12820/BPR/e01_0305</i>	
0478	M AN 1	478 - Credit/Debit Flag Code
	M3 Application Description 'C' - Credit or 'D' - Debit as Credit/Debit Flag code M3 Application Specification Condition: APS130MI/GetHead Output field CUAM greater than 0 Fixed data: "C" APS130MI/GetHead Output field CUAM lower than zero Fixed data: "D" XPath <i>X12820/BPR/e03_0478</i>	
0506	C AN 2	506 - (DFI) ID Number Qualifier
	M3 Application Description '01' - ABA Transit Routing Number including Check Digits as ID number qualifier M3 Application Specification API call: APS130MI/LstPayeeTotals Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field PRPN: MBMInit Output field: PRPN Input field PYON: MBMInit Output field: PYON Condition: Paymentproposal include payments to 1 (one) supplier Fixed data: "01" XPath <i>X12820/BPR/e12_0506</i>	

Group: 0	M 1	Segment Group: 0
Segment: BPR	M 1	BPR - Beginning Segment for Payment Order/Remittance Advice
0506	C AN 2	506 - (DFI) ID Number Qualifier
	M3 Application Description '01' - ABA Transit Routing Number including Check Digits as ID number qualifier M3 Application Specification Fixed data: "01"	
	XPath <i>X12820/BPR/e06_0506</i>	
0507	C AN 12	507 - (DFI) Identification Number
	M3 Application Description Bank account identity as DFI Identification number M3 Application Specification Condition: Paymentproposal include payments to 1 (one) supplier API dataMI program: APS130MI Transaction: LstPayeeTotals Field: BKID	
	XPath <i>X12820/BPR/e13_0507</i>	
	M3 Application Description Customer number at financial institution as DFI Identification number M3 Application Specification API dataMI program: APS130MI Transaction: GetHead Field: FICU	
	XPath <i>X12820/BPR/e07_0507</i>	
0508	C AN 35	508 - Account Number
	M3 Application Description Bank account field 1 as Account Number M3 Application Specification API dataMI program: APS130MI Transaction: GetHead Field: BAF1	
	XPath <i>X12820/BPR/e09_0508</i>	



Group: 0	M 1	Segment Group: 0
Segment: BPR	M 1	BPR - Beginning Segment for Payment Order/Remittance Advice
0508	C AN 35	508 - Account Number
	M3 Application Description Bank account field 1 as Account Number	
	M3 Application Specification Condition: Paymentproposal include payments to 1 (one) supplier	
	API dataMI program: APS130MI Transaction: LstPayeeTotals Field: BAF1	
	XPath X12820/BPR/e15_0508	
0569	C AN 3	569 - Account Number Qualifier
	M3 Application Description 'DA' - Demand deposit as Account number qualifier	
	M3 Application Specification Condition: Paymentproposal include payments to 1 (one) supplier	
	Fixed data: "DA"	
	XPath X12820/BPR/e14_0569	
	M3 Application Specification Fixed data: "DA"	
	XPath X12820/BPR/e08_0569	

Group: 0	M 1	Segment Group: 0
Segment: BPR	M 1	BPR - Beginning Segment for Payment Order/Remittance Advice
0591	M AN 3	591 - Payment Method Code
	M3 Application Description Payment method as Payment method code M3 Application Specification API dataMI program: APS130MI Transaction: GetHead Field: PYME M3 Data Translation Message standard: "X12" Version: "4010" Message: "820" Parent elements: "g000/BPR" Data element: "e04_0591" Movex table: "FPSUGH" Movex field: "P1PYME" XPath <i>X12820/BPR/e04_0591</i>	
0782	M N 18	782 - Monetary Amount
	M3 Application Description Foreign currency amount as Monetary amount M3 Application Specification API dataMI program: APS130MI Transaction: GetHead Field: CUAM XPath <i>X12820/BPR/e02_0782</i>	
0812	C AN 10	812 - Payment Format Code
	M3 Application Description 'CTX' - Corporate trade exchange as Payment format code M3 Application Specification Fixed data: "CTX" XPath <i>X12820/BPR/e05_0812</i>	



Group: 0	M 1	Segment Group: 0
Segment: CUR 0098	C 1 M AN 3 M3 Application Description 'ZZ' = Mutually defined as Entity identifier Code M3 Application Specification Fixed data: "ZZ" XPath <i>X12820/CUR/e01_0098</i>	CUR - Currency 98 - Entity Identifier Code
0100	M AN 3 M3 Application Description Currency as Currency coded M3 Application Specification API data MI program: APS310MI Transaction: GetHead Field: CUCD M3 Data Translation Message standard: "X12" Version: "4010" Message: "820" Parent elements: "g000/CUR" Data element: "e02_0100" Movex table: "FPSUGH" Movex field: "P1CUCD" XPath <i>X12820/CUR/e02_0100</i>	100 - Currency Code



Group: 0	M 1	Segment Group: 0
Segment: SE 0096	M 1 M NO 10 M3 Application Description Number of Included Segments M3 Application Specification Add UserFunction Manifest_Update setManifestInfo("map:keyField1", "CONO"); setManifestInfo("map:keyValue1", CONO); (MBMInit output field: CONO) setManifestInfo("map:keyField2", "DIVI"); setManifestInfo("map:keyValue2", DIVI); (MBMInit output field: DIVI) setManifestInfo("map:keyField3", "PRPN"); setManifestInfo("map:keyValue3", PRPN) (MBMInit output field: PRPN) setManifestInfo("map:keyField3", "PYON"); setManifestInfo("map:keyValue3", PYON); (MBMInit output field: PYON) XPath X12820/SE/e01_0096	SE - Transaction Set Trailer 96 - Number of Included Segments

Group: 0	M 1	Segment Group: 0
Segment: ST 0143	M 1 M AN 3	ST - Transaction Set Header 143 - Transaction Set Identifier Code
M3 Application Description '820' = Payment Order/Remittance advice M3 Application Specification Fixed data: "820" Create userfunction MBMInit Output field MessageCopy: MovexBusinessMessageInitiator/ MessageCopy Output field MessageDate: MovexBusinessMessageInitiator/ MessageDate Output field MessageTime: MovexBusinessMessageInitiator/ MessageTime Output field CONO: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value1 Output field DIVI: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value2 Output field PRPN: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value3 Output field PYON: MovexBusinessMessageInitiator/MessagKeys/ MessageKey/Value4 API call:APS130MI/GetHead Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field PRPN: MBMInit Output field: PRPN Input field PYON: MBMInit Output field: PYON Note ! If APS130MI/GetHead Output field NCHL equals 0 -> terminate the map XPath X12820/ST/e01_0143		
0329	M AN 9	329 - Transaction Set Control Number
M3 Application Description Transaction set control number M3 Application Specification Fixed data: "0001" XPath X12820/ST/e02_0329		



Group: 0	M 1	Segment Group: 0
Segment: ST 0329	M 1 M AN 9 M3 Application Description Transaction set control number M3 Application Specification Fixed data: "0001" XPath <i>X12820/ST/e02_0329</i>	ST - Transaction Set Header 329 - Transaction Set Control Number
Segment: TRN 0127	C 1 M AN 30 M3 Application Description Payment proposal number and payment order number as Reference identification M3 Application Specification MBMInit Outpuf Field: PRPN concatenated with MBMInit Output field: PYON XPath <i>X12820/TRN/e02_0127</i>	TRN - Trace 127 - Reference Identification
0481	M AN 2 M3 Application Description '1' - Current transaction trace numbers as Trace type code M3 Application Specification Fixed data: "1" XPath <i>X12820/TRN/e01_0481</i>	481 - Trace Type Code
Group: 1	C 9999999	Segment Group: 1
Segment: N1 0066	C 1 C AN 2 M3 Application Description ZZ' -Mutually defined as Identification code qualifier M3 Application Specification Fixed data: "ZZ" XPath <i>X12820/LOOP_N1_g001/N1/e03_0066</i>	N1 - Name 66 - Identification Code Qualifier

Group: 1	C 999999	Segment Group: 1
Segment: N1	C 1	N1 - Name
0066	C AN 2	66 - Identification Code Qualifier
	M3 Application Description ZZ' -Mutually defined as Identification code qualifier M3 Application Specification Fixed data: "ZZ"	
	XPath X12820/LOOP_N1_g001/N1/e03_0066	
0067	C AN 80	67 - Identification Code
	M3 Application Description 'PR' - Division or company 'PE' - Payee as Identification Code M3 Application Specification Condition: e01_0098 equals 'PR' MBMInit Output Field: DIVI Note: if DIVI equals blank use CONO Condition: e01_0098 equals 'PE' Condition: Paymentproposal include payments to 1 (one) supplier API data MI program: APS310MI Transaction: LstPayeeTotals Field: SPYN M3 Data Translation Condition: e01_0098 equals 'PR' Message standard: "X12" Version: "4010" Message: "820" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "PR" Movex table: "FARREM" Movex field: "DIVI" Condition: e01_0098 equals 'PE' Condition: Paymentproposal include payments to 1 (one) supplier Message standard: "X12" Version: "4010" Message: "820" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "PE" Movex table: "FARREM" Movex field: "SPYN" XPath X12820/LOOP_N1_g001/N1/e04_0067	



Group: 1	C 999999	Segment Group: 1
Segment: N1	C 1	N1 - Name
0093	C AN 60	93 - Name
	M3 Application Description 'PR' - Company name or 'PE' - Supplier name as Name	
	M3 Application Specification Condition: e01_0098 equals 'PR' API call:APS130MI/GetHeadAddress Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field PRPN: MBMInit Output field: PRPN Input field PYON: MBMInit Output field: PYON API data MI program: APS310MI Transaction: GetHeadAddress Field: CONM	
	Condition: e01_0098 equals 'PE' Condition: Paymentproposal include payments to 1 (one) supplier API data MI program: APS310MI Transaction: LstPayeeTotals Field: SUNM	
	XPath X12820/LOOP_N1_g001/N1/e02_0093	
0098	M AN 3	98 - Entity Identifier Code
	M3 Application Description 'PR' - Payer or 'PE' - Payee as Entity identifier Code	
	M3 Application Specification Loop 1: Fixed data: "PR" Loop 2: Condition: Paymentproposal include payments to 1 (one) supplier Fixed data: "PE"	
	XPath X12820/LOOP_N1_g001/N1/e01_0098	

Group: 2	C 999999	Segment Group: 2
Segment: ENT	C 1	ENT - Entity
0066	C AN 2	66 - Identification Code Qualifier
	M3 Application Description 'ZZ' - Mutually defined as Identification code qualifier	
	M3 Application Specification Condition: Paymentproposal include payments to more than 1 (one) supplier Fixed data: "ZZ"	
	XPath X12820/LOOP_ENT_g002/ENT/e03_0066	
0067	C AN 80	67 - Identification Code
	M3 Application Description 'PE' - Payee as Identification Code	
	M3 Application Specification Condition: e01_0098 equals 'PE' Condition: Paymentproposal include payments to more than 1 (one) supplier API data MI program: APS310MI Transaction: LstPayeeTotals Field: SPYN	
	M3 Data Translation Condition: e01_0098 equals 'PE' Condition: Paymentproposal include payments to more than 1 (one) supplier Message standard: "X12" Version: "4010" Message: "820" Parent elements: "g002/ENT" Data element: "e04_0067" Condition element:"e02_0098" Condition data: "PE Movex table: "FARREM" Movex field: "SPYN"	
	XPath X12820/LOOP_ENT_g002/ENT/e04_0067	
0098	C AN 3	98 - Entity Identifier Code
	M3 Application Description 'PE' - Payee as Entity identifier Code	
	M3 Application Specification Condition: Paymentproposal include payments to more than 1 (one) supplier Fixed data: "PE"	
	XPath X12820/LOOP_ENT_g002/ENT/e02_0098	

Group: 2	C 9999999	Segment Group: 2
Segment: ENT 0098	C 1 C AN 3 M3 Application Description 'PE' - Payee as Entity identifier Code	ENT - Entity 98 - Entity Identifier Code
0554	C NO 6 M3 Application Description Counter as Assigned Number M3 Application Specification Calculated data: Counter: Start value = 1, increment = 1. For each occurrence of APS130MI/LstPayeeTotals XPath X12820/LOOP_ENT_g002/ENT/e01_0554	554 - Assigned Number
Group: 12	C 9999999	Segment Group: 12
Segment: DTM 0373	C 9999999 C AN 8 M3 Application Description Invoice date as Date M3 Application Specification Condition: APS130MI/LstInvByPayee Output field BLCD equals 0 API data MI program: APS130MI Transaction: LstInvByPayee Field: IVDT XPath X12820/LOOP_ENT_g002/LOOP_RMR_g012/DTM/e02_0373	DTM - Date/Time Reference 373 - Date
0374	M AN 3 M3 Application Description '003' - Invoice as Date/Time qualifier M3 Application Specification Condition: APS130MI/LstInvByPayee Output field BLCD equals 0 Fixed data: "003" XPath X12820/LOOP_ENT_g002/LOOP_RMR_g012/DTM/e01_0374	374 - Date/Time Qualifier

Group: 12	C 9999999	Segment Group: 12
Segment: RMR	C 1	RMR - Remittance Advice Accounts Receivable Open Item Reference
0127	C AN 30	127 - Reference Identification
	M3 Application Description Supplier invoice number as Reference identification	
	M3 Application Specification Condition: APS130MI/LstInvByPayee Output field BLCD equals 0 API data MI program: APS310MI Transaction: LstInvByPayee Field: SINO	
	XPath X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e02_0127	
0128	C AN 3	128 - Reference Identification Qualifier
	M3 Application Description 'IV' - Sellers Invoice number as Reference identification qualifier ier	
	M3 Application Specification API call:APS130MI/LstInvByPayee Input field CONO: MBMInit Output field: CONO Input field DIVI: MBMInit Output field: DIVI Input field PRPN: MBMInit Output field: PRPN Input field PYON: MBMInit Output field: PYON Input field SPYN: APS130MI/LstPayeeTotals Output field: SPYN	
	Condition: APS130MI/LstInvByPayee Output field BLCD equals 0 Fixed data: "IV"	
	XPath X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e01_0128	
0482	C AN 2	482 - Payment Action Code
	M3 Application Description 'PI' - Pay item as Payment action code	
	M3 Application Specification Condition: APS130MI/LstInvByPayee Output field BLCD equals 0 Fixed data: "PI"	
	XPath X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e03_0482	

Group: 12	C 9999999	Segment Group: 12
Segment: RMR	C 1	RMR - Remittance Advice Accounts Receivable Open Item Reference
0782	C N 18	782 - Monetary Amount
	M3 Application Description	
	Cash discount amount currency as Monetary amount	
	M3 Application Specification	
	Condition: APS130MI/LstInvByPayee Output field BLCD equals 0	
	API data MI program: APS130MI Transaction: LstInvByPayee Field: CDCU	
	XPath	
	X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e06_0782	
	M3 Application Description	
	Invoice amount currency as Monetary amount	
	M3 Application Specification	
	Condition: APS130MI/LstInvByPayee Output field BLCD equals 0	
	API data MI program: APS130MI Transaction: LstInvByPayee Field: IVCU	
	XPath	
	X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e05_0782	
	M3 Application Description	
	Paid amount currency as Monetary amount	
	M3 Application Specification	
	Condition: APS130MI/LstInvByPayee Output field BLCD equals 0	
	API data MI program: APS130MI Transaction: LstInvByPayee Field: PYCU	
	XPath	
	X12820/LOOP_ENT_g002/LOOP_RMR_g012/RMR/e04_0782	