



Business Message Documentation

Application Type	EDI Business Message (EBM)
M3 version	BE15
M3 Business Message	DA - Dispatch Advice
Message Direction	Outbound
Message Application	X12 943 4010

Map name	M3BE15_DA_Out_X12_943_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				
	G62 C 5		0373 C	G62 - Date/Time Date
			0432 C	Date Qualifier
	N9 C 10		0127 C	N9 - Reference Identification Reference Identification
			0128 M	Reference Identification Qualifier
	ST M 1		0143 M	ST - Transaction Set Header Transaction Set Identifier Code
			0329 M	Transaction Set Control Number
	W03 M 1		0382 M	W03 - Total Shipment Information Number of Units Shipped
	W06 M 1		0145 C	W06 - Warehouse Shipment Identification Shipment Identification Number
			0285 C	Depositor Order Number
			0306 C	Action Code
			0324 C	Purchase Order Number
			0373 C	Date
			0514 M	Reporting Code



Group	Segment	Composite /Element	Element	Description
0 M 1				
	W27 M 1		0040 C	W27 - Carrier Detail Equipment Description Code
			0091 M	Transportation Method/Type Code
			0207 C	Equipment Number
1 C 10				Loop Id N1
	N1 M 1		0067 C	N1 - Name Identification Code
			0098 M	Entity Identifier Code
2 C 9999				Loop Id W04
	G69 C 5		0369 M	G69 - Line Item Detail - Description Free-form Description
	N9 C 200		0127 C	N9 - Reference Identification Reference Identification
			0128 M	Reference Identification Qualifier
	W04 M 1		0234 C	W04 - Item Detail Total Product/Service ID
			0235 C	Product/Service ID Qualifier
			0355 M	Unit or Basis for Measurement Code
			0382 M	Number of Units Shipped



Group	Segment	Composite /Element	Element	Description
2 C 9999				Loop Id W04
	W20 C 2			W20 - Line-Item Detail - Miscellaneous
			0081 C	Weight
			0183 C	Volume
			0187 C	Weight Qualifier



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: G62 0373	C 5 C AN 8 M3 Application Description '07' = Date generated as Effective M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: GEDT XPath X12943/G62/e02_0373	G62 - Date/Time Date
0432	C AN 2 M3 Application Description '07' = Effective M3 Application Specification Condition e02_0373 not equals blank Fixed data: "07" XPath X12943/G62/e01_0432	Date Qualifier
Segment: N9 0127	C 10 C AN 30 M3 Application Description 'PO' = Order number as Purchase order number 'PK' = Picking list suffix as Packing list number 'DO' = Delivery number as Delivery order number M3 Application Specification Loop 1: API data MI program: MWS410MI Transaction: GetHead Field: RIDN Loop 2: API data MI program: MWS410MI Transaction: GetHead Field: PLSX Loop 3: API data MI program: MWS410MI Transaction: GetHead Field: DLIX XPath X12943/N9/e02_0127	N9 - Reference Identification Reference Identification

Group: 0	M 1	Segment Group: 0
Segment: N9 0128	C 10 M AN 3 M3 Application Description 'PO' = Purchase order number 'PK' = Packing list number 'DO' = Delivery order number M3 Application Specification Loop 1: Condition e02_0127 not equals blank Fixed data: "PO" Loop 2: Condition e02_0127 not equals blank Fixed data: "PK" Loop 3: Condition e02_0127 not equals blank Fixed data: "DO" XPath X12943/N9/e01_0128	N9 - Reference Identification Reference Identification Qualifier
Segment: ST 0143	M 1 M AN 3 M3 Application Description '943' = Warehouse stock transfer shipment advice M3 Application Specification Fixed data: "943" Create user function MBMInit Output field MessageCopy: MovexBusinessMessageInitiator/ MessageCopy Output field MessageDate: MovexBusinessMessageInitiator/ MessageDate Output field MessageTime: MovexBusinessMessageInitiator/ MessageTime Output field CONO: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value1 Output field DIVI: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value2 Output field DLIX: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value3 XPath X12943/ST/e01_0143	ST - Transaction Set Header Transaction Set Identifier Code



Group: 0	M 1	Segment Group: 0
Segment: ST 0143	M 1 M AN 3 M3 Application Description '943' = Warehouse stock transfer shipment advice M3 Application Specification Fixed data: "943" Create user function MBMInit Output field MessageCopy: MovexBusinessMessageInitiator/ MessageCopy Output field MessageDate: MovexBusinessMessageInitiator/ MessageDate Output field MessageTime: MovexBusinessMessageInitiator/ MessageTime Output field CONO: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value1 Output field DIVI: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value2 Output field DLIX: MovexBusinessMessageInitiator/MessageKeys/ MessageKey/Value3 XPath <i>X12943/ST/e01_0143</i>	ST - Transaction Set Header Transaction Set Identifier Code
0329	M AN 9 M3 Application Description Transaction set control number M3 Application Specification Fixed data: "0001" XPath <i>X12943/ST/e02_0329</i>	Transaction Set Control Number

Group: 0	M 1	Segment Group: 0
Segment: W03 0382	M 1 M N 10 M3 Application Description Number of packages as Number of units shipped M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: NRUL Add user function 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", "DLIX") setManifestInfo("map:keyValue3", DLIX), MBMInit output field DLIX XPath X12943/W03/e01_0382	W03 - Total Shipment Information Number of Units Shipped
Segment: W06 0145	M 1 C AN 30 M3 Application Description Shipment as Shipment identification number M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: CONN XPath X12943/W06/e04_0145	W06 - Warehouse Shipment Identification Shipment Identification Number
0285	C AN 22 M3 Application Description Order number as Depositor order number M3 Application Specification API call: MWS410MI/GetHead Input field CONO: MBMInit Output field: CONO Input field DLIX: MBMInit Output field: DLIX API data MI program: MWS410MI Transaction: GetHead Field: RIDN XPath X12943/W06/e02_0285	Depositor Order Number



Group: 0	M 1	Segment Group: 0
Segment: W06	M 1	W06 - Warehouse Shipment Identification
0306	C AN 2 M3 Application Description '51' = Complete M3 Application Specification Fixed data: "51" XPath <i>X12943/W06/e12_0306</i>	Action Code
0324	C AN 22 M3 Application Description Customer's order number as Purchase order number M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: CUOR XPath <i>X12943/W06/e06_0324</i>	Purchase Order Number
0373	C AN 8 M3 Application Description Electronic mail date as Date M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: ELDT XPath <i>X12943/W06/e03_0373</i>	Date
0514	M AN 1 M3 Application Description 'J' = Original transaction M3 Application Specification Fixed data: "J" XPath <i>X12943/W06/e01_0514</i>	Reporting Code



Group: 0	M 1	Segment Group: 0
Segment: W27 0040	M 1 C AN 2 M3 Application Description Transportation equipment as Equipment description code M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: TRCA M3 Data Translation Message standard: "X12" Version: "4010" Message: "943" Parent elements: "g000/W27" Data element: "e05_0040" Movex table: "CSYTAB" Movex field: "TRCA" XPath <i>X12943/W27/e05_0040</i>	W27 - Carrier Detail Equipment Description Code
0091	M AN 2 M3 Application Description Delivery method as Transportation method M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: MODL M3 Data Translation Message standard: "X12" Version: "4010" Message: "943" Parent elements: "g000/W27" Data element: "e01_0091" Movex table: "ODHEAD" Movex field: "UAMODL" XPath <i>X12943/W27/e01_0091</i>	Transportation Method/Type Code
0207	C AN 10 M3 Application Description Trailer registration number as Equipment number M3 Application Specification API data MI program: MWS410MI Transaction: GetHead Field: E0BH XPath <i>X12943/W27/e07_0207</i>	Equipment Number

Group: 1	C 10	Segment Group: 1
Segment: N1	M 1	N1 - Name
0067	C AN 80	Identification Code
	M3 Application Description 'WH' = Warehouse as Warehouse 'DE' = Division as Depositor	
	M3 Application Specification Loop 1: API data MI program: MWS410MI Transaction: GetHead Field: WHLO	
	Loop 2: MBMInit Output field: DIVI	
	M3 Data Translation Condition: e01_0098 equals "WH" Message standard: "X12" Version: "4010" Message: "943" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "WH" Movex table: "ODHEAD" Movex field: "UAWHLO"	
	Condition: e01_0098 equals "DE" Message standard: "X12" Version: "4010" Message: "943" Parent elements: "g001/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "DE" Movex table: "ODHEAD" Movex field: "UADIVI"	
	XPath <i>X12943/LOOP_N1_g001/N1/e04_0067</i>	
0098	M AN 3	Entity Identifier Code
	M3 Application Description 'WH' = Warehouse 'DE' = Depositor	
	M3 Application Specification Loop 1: Condition: e04_0067 not equals blank Fixed data: "WH"	
	Loop 2: Condition: e04_0067 not equals blank Fixed data: "DE"	
	XPath <i>X12943/LOOP_N1_g001/N1/e01_0098</i>	

Group: 2	C 9999	Segment Group: 2
Segment: G69	C 5	G69 - Line Item Detail - Description
0369	M AN 45	Free-form Description
	M3 Application Description Name as Free form item description	
	M3 Application Specification Condition: MWS410MI LstItem Output field: ITNO equals MWS410MI LstPackageLine Output field: ITNO API data MI program: MWS410MI Transaction: LstItem Field: ITDS	
	XPath <i>X12943/LOOP_W04_g002/G69/e01_0369</i>	
Segment: N9	C 200	N9 - Reference Identification
0127	C AN 30	Reference Identification
	M3 Application Description 'PO' = Order number as Purchase order number 'LI' = Order line as Line item identifier '97' = Package number as Package ID 'LT' = Lot number as Lot number	
	M3 Application Specification Loop 1: API data MI program: MWS410MI Transaction: LstPackageLine Field: RIDN Loop 2: API data MI program: MWS410MI Transaction: LstPackageLine Field: RIDL Loop 3: API data MI program: MWS410MI Transaction: LstPackageLine Field: PANR Loop 4: API data MI program: MWS410MI Transaction: LstPackageLine Field: BANO	
	XPath <i>X12943/LOOP_W04_g002/N9/e02_0127</i>	

Group: 2	C 9999	Segment Group: 2
Segment: N9 0128	C 200 M AN 3 M3 Application Description 'PO' = Purchase order number 'LI' = Line item identifier '97' = Package ID 'LT' = Lot number M3 Application Specification Loop 1: Condition: e02_127 not equals blank Fixed data: "PO" Loop 2: Condition: e02_127 not equals blank Fixed data: "LI" Loop 3: Condition: e02_127 not equals blank Fixed data: "97" Loop 4: Condition: e02_127 not equals blank Fixed data: "LT" XPath X12943/LOOP_W04_g002/N9/e01_0128	N9 - Reference Identification Reference Identification Qualifier
Segment: W04 0234	M 1 C AN 48 M3 Application Description 'IN' = Alias number as Buyer's item number 'EN' = Alias number as EAN number 'UP' = Alias number as UPC consumer package code M3 Application Specification Condition: MWS410MI LstItem Output field: ITNO equals MWS410MI LstPackageLine Output field: ITNO API data MI program: MWS410MI Transaction: LstItem Field: POPN XPath X12943/LOOP_W04_g002/W04/e07_0234	W04 - Item Detail Total Product/Service ID



Group: 2	C 9999	Segment Group: 2
Segment: W04 0234	M 1 C AN 48 M3 Application Description 'VN' = Item number as Vendor's item number M3 Application Specification API data MI program: MWS410MI Transaction: LstPackageLine Field: ITNO XPath <i>X12943/LOOP_W04_g002/W04/e05_0234</i>	W04 - Item Detail Total Product/Service ID
0235	C AN 2 M3 Application Description 'IN' = Buyer's item number 'EN' = EAN number 'UP' = UPC consumer package code M3 Application Specification API call: MWS410MI/LstItem Input field CONO: MBMInit output field: CONO Input field DLIX: MBMInit output field: DLIX Input field ITDE: "1" Input field PANR: PANR, output from LstPackageLine Condition: MWS410MI LstItem Output field: ITNO equals MWS410MI LstPackageLine Output field: ITNO Condition: MWS410MI LstItem ALWT equals "06" AND e07_0234 not equals blank Fixed data: "IN" Condition: MWS410MI LstItem Output field: ITNO equals MWS410MI LstPackageLine Output field: ITNO Condition: MWS410MI LstItem ALWT equals "02" AND MWS410MI LstItem ALWQ equals "EA13" AND e07_0234 not equals blank Fixed data: "EN" Condition: MWS410MI LstItem Output field: ITNO equals MWS410MI LstPackageLine Output field: ITNO Condition: MWS410MI LstItem ALWT equals "02" AND MWS410MI LstItem ALWQ equals "UPC" AND e07_0234 not equals blank Fixed data: "UP" XPath <i>X12943/LOOP_W04_g002/W04/e06_0235</i>	Product/Service ID Qualifier

Group: 2	C 9999	Segment Group: 2
Segment: W04 0235	M 1 C AN 2 M3 Application Description 'VN' = Vendor's item number M3 Application Specification Condition: e05_0234 not equals blank Fixed data: "VN" XPath X12943/LOOP_W04_g002/W04/e04_0235	W04 - Item Detail Total Product/Service ID Qualifier
0355	M AN 2 M3 Application Description Alternate U/M as Unit or basis for measurement code M3 Application Specification API data MI program: MWS410MI Transaction: LstPackageLine Field: ALUN M3 Data Translation Message standard: "X12" Version: "4010" Message: "943" Parent elements: "g002/W04" Data element: "e02_0355" Movex table: "ODLINE" Movex field: "UBALUN" XPath X12943/LOOP_W04_g002/W04/e02_0355	Unit or Basis for Measurement Code
0382	M N 10 M3 Application Description Delivered quantity - alternate U/M as Number of units shipped M3 Application Specification API call: MWS410MI/LstPackageLine Input field CONO: MBMInit Output field: CONO Input field DLIX: MBMInit Output field: DLIX Input field PDSO: "2" API data MI program: MWS410MI Transaction: LstPackageLine Field: DLQA XPath X12943/LOOP_W04_g002/W04/e01_0382	Number of Units Shipped

Group: 2	C 9999	Segment Group: 2
Segment: W20	C 2	W20 - Line-Item Detail - Miscellaneous
0081	C N 10	Weight
	M3 Application Description 'N' = Net weight as Actual net weight M3 Application Specification API data MI program: MWS410MI Transaction: LstPackageLine Field: NEWE XPath <i>X12943/LOOP_W04_g002/W20/e04_0081</i>	
0183	C N 8	Volume
	M3 Application Description Volume as Volume M3 Application Specification API data MI program: MWS410MI Transaction: LstPackageLine Field: VOL3 XPath <i>X12943/LOOP_W04_g002/W20/e08_0183</i>	
0187	C AN 2	Weight Qualifier
	M3 Application Description 'N' = Actual net weight M3 Application Specification Condition: e04_0081 not equals blank or 0 Fixed data: "N" XPath <i>X12943/LOOP_W04_g002/W20/e05_0187</i>	