infor

Business Message Documentation

Application Type	**EDI Business Message (EBM)**
M3 version	**BE15**
M3 Business Message	**DDI - Delivery Demand Instrauction**
Message Direction	**Inbound**
Message Application	**X12 862 4010**

Map name	**M3BE15_DDI_In_X12_862_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				
	BSS M 1			BSS - Beginning Segment for Shipping Schedule/ Production Sequence
			0127 M	Reference Identification
			0353 M	Transaction Set Purpose Code
			0373 M	Date
			0675 M	Schedule Type Qualifier
	GS C 1			Functional Group Header
			0480 M	Version/Release Indicator ID Code
	ST M 1			ST - Transaction Set Header
			0143 M	Transaction Set Identifier Code
1 C 200				Loop Id N1
	N1 C 1			N1 - Name
			0067 C	Identification Code
			0098 M	Entity Identifier Code
	N2 C 2			N2 - Additional Name Information
			0093 M	Name
	N3 C 2			N3 - Address Information
			0166 M	Address Information
	N4 C 1			N4 - Geographic Location
			0019 C	City Name
			0026 C	Country Code

Group	Segment	Composite /Element	Element	Description
1 C 200				Loop Id N1
	N4 C 1			N4 - Geographic Location
			0116 C	Postal Code
2 C 10000				Loop Id LIN
	LIN M 1			LIN - Item Identification
			0234 M	Product/Service ID
			0235 M	Product/Service ID Qualifier
	REF C 12			REF - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
	UIT M 1			UIT - Unit Detail
		C001 M		C001 - Composite Unit of Measure
		* 0355 M		C001 - Composite Unit of Measure
3 C 100				Loop Id FST
	FST C 1			FST - Forecast Schedule
			0373 M	Date
			0680 M	Forecast Qualifier
4 C 96				Loop Id JIT
	JIT C 1			JIT - Just-In-Time Schedule
			0337 M	Time
			0380 M	Quantity

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: **BSS**	**M 1**	BSS - Beginning Segment for Shipping Schedule/Production Sequence

0127 M AN 30 Reference Identification

M3 Application Description
Reference identification as Delivery schedule

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddHeader Field: DPNR

XPath
X12862/BSS/e02_0127

0353 M AN 2 Transaction Set Purpose Code

M3 Application Description
'00' = Original

'05' = Replacement of the original 862

M3 Application Specification
Condition e01_0353 equals "00"

API dataMI program: RSS110MI Transaction: AddHeader Field: RSAC = 2

API dataMI program: RSS110MI Transaction: AddItem Field: RSAC = 2

Condition e01_0353 equals "05"

API dataMI program: RSS110MI Transaction: AddHeader Field: RSAC = 1

API dataMI program: RSS110MI Transaction: AddItem Field: RSAC = 1

XPath
X12862/BSS/e01_0353

0373 M AN 8 Date

M3 Application Description
Date as Date generated

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddHeader Field: GEDT

XPath
X12862/BSS/e03_0373

Group: 0	M 1	Segment Group: 0
Segment: **BSS**	**M 1**	BSS - Beginning Segment for Shipping Schedule/Production Sequence

0373   M   AN   8   Date

M3 Application Description
Date as Finish date

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddHeader Field: ENDT

XPath
X12862/BSS/e06_0373

M3 Application Description
Date as Start date

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddHeader Field: EXDT

XPath
X12862/BSS/e05_0373

0675   M   AN   2   Schedule Type Qualifier

M3 Application Description
Schedule Type Qualifier as Date type

M3 Application Specification
Condition: e04_0675 equals "DL"

API dataMI program: RSS110MI Transaction: AddHeader Field: DTTP = "1"

Condition: e04_0675 equals "SH"

API dataMI program: RSS110MI Transaction: AddHeader Field: DTTP = "3"

XPath
X12862/BSS/e04_0675

Group: 0	M 1	Segment Group: 0
Segment: **GS**	C 1	Functional Group Header
0480	M AN 12	Version/Release Indicator ID Code

M3 Application Description
Version/release as Version and Release

M3 Application Specification
API dataMI program: RSS110MITransaction: AddHeader Field: E0xx

Note: Substring the first three characters.

API dataMI program: RSS110MITransaction: AddHeader Field: E0xx

Note: Substring from position 4 to 6.

XPath
X12862/GS/e08_0480

Segment: **ST**	M 1	ST - Transaction Set Header
0143	M AN 3	Transaction Set Identifier Code

M3 Application Description
Transaction set identifier code as Message type

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddHeader Field: E065

XPath
X12862/ST/e01_0143

Group: 1	C 200	Segment Group: 1
Segment: **N1**	C 1	N1 - Name
0067	C AN 80	Identification Code

M3 Application Description
Identification code as Address coded

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddAddress Field: CDEA

Condition: e01_0098 equals "ST"
API dataMI program: RSS110MI Transaction: AddAddress Field: ADRT = "10"

Condition: e01_0098 equals "SI"
API call: RSS110MI/GetPartner
Input field CONO: CONO
Input field PAAL: e04_0067

API call: RSS110MI/AddHeader
Input field CONO: CONO
Input field DIVI: DIVI
Input field E0IO: "I"
Input field E0PA: E0PA, output from GetPartner or e04_0067 if NOK from GetPartner.
Input field DPMA: "1"
Input field EDFR: Envelope/Properties/identity

XPath
X12862/LOOP_N1_g001/N1/e04_0067

0098	M AN 3	Entity Identifier Code

M3 Application Description
'SI' = Shipping schedule issuer
'ST' = Ship to

M3 Application Specification
Fixed data: "SI" or "ST"

XPath
X12862/LOOP_N1_g001/N1/e01_0098

Group: 1	C 200	Segment Group: 1

Segment: **N2**	C 2	N2 - Additional Name Information
0093	M AN 60	Name

M3 Application Description
Name as Company name

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field:
CONM

XPath
X12862/LOOP_N1_g001/N2/e01_0093

Segment: **N3**	C 2	N3 - Address Information
0166	M AN 55	Address Information

M3 Application Description
Address information as Address line 1

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field: ADR1

XPath
X12862/LOOP_N1_g001/N3/e01_0166

M3 Application Description
Address information as Address line 2

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field: ADR2

XPath
X12862/LOOP_N1_g001/N3/e02_0166

Segment: **N4**	C 1	N4 - Geographic Location
0019	C AN 30	City Name

M3 Application Description
City name as Address line 4

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field: ADR4

XPath
X12862/LOOP_N1_g001/N4/e01_0019

Group: 1	C 200	Segment Group: 1

Segment: N4	C 1	N4 - Geographic Location
0026	C AN 3	Country Code

M3 Application Description
Country code as Country

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field: CSCD

API call: RSS110MI/AddAddress

Input field CONO: CONO

Input field DIVI: DIVI

Input field ODPN: ODPN, output from AddHeader.

Input field ODPI: ODPI, output from AddItem.

M3 Data Translation
Message standard: "X12" Version: "4010" Message: "862" Parent elements: "g001/N1" Data element: "e04_0026" Movex table: "OOHEAD" Movex field: "OACSCD"

XPath
X12862/LOOP_N1_g001/N4/e04_0026

0116	C AN 15	Postal Code

M3 Application Description
Postal code as Postal code

M3 Application Specification
Condition: e01_0098 equals "ST"

API dataMI program: RSS110MI Transaction: AddAddress Field: PONO

XPath
X12862/LOOP_N1_g001/N4/e03_0116

Group: 2	C 10000	Segment Group: 2
Segment: **LIN**	M 1	LIN - Item Identification
0234	M AN 48	Product/Service ID

M3 Application Description

'BP' = Buyer part number as Alias number

'DR' = Drawing revision number as Partner´s engineering change order no

'PO' = Code identifying the buyer's PO as Customer´s order number

M3 Application Specification

Condition: e02_0235 equals "BP"

API dataMI program: RSS110MI Transaction: AddItem Field: POPN

API dataMI program: RSS110MI Transaction: AddItem Field: ALWT = "06"

Condition: e02_0235 equals "DR"

API dataMI program: RSS110MI Transaction: AddItem Field: RSEC

Condition: e02_0235 equals "PO"

API dataMI program: RSS110MI Transaction: AddItem Field: CUOR

XPath
X12862/LOOP_LIN_g002/LIN/e03_0234

XPath
X12862/LOOP_LIN_g002/LIN/e05_0234

XPath
X12862/LOOP_LIN_g002/LIN/e07_0234

XPath
X12862/LOOP_LIN_g002/LIN/e09_0234

XPath
X12862/LOOP_LIN_g002/LIN/e11_0234

XPath
X12862/LOOP_LIN_g002/LIN/e13_0234

XPath
X12862/LOOP_LIN_g002/LIN/e15_0234

XPath
X12862/LOOP_LIN_g002/LIN/e17_0234

Group: 2	C 10000	Segment Group: 2
Segment: **LIN**	**M 1**	LIN - Item Identification
0234	M AN 48	Product/Service ID

M3 Application Description

'BP' = Buyer part number as Alias number

'DR' = Drawing revision number as Partner´s engineering change order no

'PO' = Code identifying the buyer's PO as Customer´s order number

M3 Application Specification

Condition: e02_0235 equals "BP"

API dataMI program: RSS110MI Transaction: AddItem Field: POPN

API dataMI program: RSS110MI Transaction: AddItem Field: ALWT = "06"

Condition: e02_0235 equals "DR"

API dataMI program: RSS110MI Transaction: AddItem Field: RSEC

Condition: e02_0235 equals "PO"

API dataMI program: RSS110MI Transaction: AddItem Field: CUOR

XPath
X12862/LOOP_LIN_g002/LIN/e19_0234

XPath
X12862/LOOP_LIN_g002/LIN/e21_0234

XPath
X12862/LOOP_LIN_g002/LIN/e23_0234

XPath
X12862/LOOP_LIN_g002/LIN/e25_0234

XPath
X12862/LOOP_LIN_g002/LIN/e27_0234

XPath
X12862/LOOP_LIN_g002/LIN/e29_0234

XPath
X12862/LOOP_LIN_g002/LIN/e31_0234

Group: 2	C 10000	Segment Group: 2
Segment: **LIN**	**M 1**	LIN - Item Identification
0235	M AN 2	Product/Service ID Qualifier

M3 Application Description
'BP' = Buyer part number
'DR' = Drawing revision number
'PO' = Code identifying the buyer's PO

M3 Application Specification
Fixed data: "BP" or "DR" or "PO"

XPath
X12862/LOOP_LIN_g002/LIN/e02_0235

XPath
X12862/LOOP_LIN_g002/LIN/e04_0235

XPath
X12862/LOOP_LIN_g002/LIN/e06_0235

XPath
X12862/LOOP_LIN_g002/LIN/e08_0235

XPath
X12862/LOOP_LIN_g002/LIN/e10_0235

XPath
X12862/LOOP_LIN_g002/LIN/e12_0235

XPath
X12862/LOOP_LIN_g002/LIN/e14_0235

XPath
X12862/LOOP_LIN_g002/LIN/e16_0235

XPath
X12862/LOOP_LIN_g002/LIN/e18_0235

Group: 2	C 10000	Segment Group: 2
Segment: **LIN**	**M** 1	LIN - Item Identification
0235	M AN 2	Product/Service ID Qualifier

M3 Application Description

'BP' = Buyer part number

'DR' = Drawing revision number

'PO' = Code identifying the buyer's PO

M3 Application Specification

Fixed data: "BP" or "DR" or "PO"

XPath
X12862/LOOP_LIN_g002/LIN/e20_0235

XPath
X12862/LOOP_LIN_g002/LIN/e22_0235

XPath
X12862/LOOP_LIN_g002/LIN/e24_0235

XPath
X12862/LOOP_LIN_g002/LIN/e26_0235

XPath
X12862/LOOP_LIN_g002/LIN/e28_0235

XPath
X12862/LOOP_LIN_g002/LIN/e30_0235

Group: 2	C 10000	Segment Group: 2
Segment: **REF**	**C 12**	REF - Reference Identification
0127	C AN 30	Reference Identification

M3 Application Description
'DK' = Dock number as Address coded

'LF' = The assembly line feed location or the deliver to internal stock location as Address coded

M3 Application Specification
Condition: e01_0128 equals "DK"

API dataMI program: RSS110MI Transaction: AddAddress Field: CDEA

API call: RSS110MI/AddAddress
Input field CONO: CONO
Input field DIVI: DIVI
Input field ODPN: ODPN, Note: Output from AddHeader
Input field ODPI: ODPI, Note: Output from AddItem
Input field ADRT: "11"

Condition: e01_0128 equals "LF"

API dataMI program: RSS110MI Transaction: AddAddress Field: CDEA

API call: RSS110MI/AddAddress
Input field CONO: CONO
Input field DIVI: DIVI
Input field ODPN: ODPN, Note: Output from AddHeader
Input field ODPI: ODPI, Note: Output from AddItem
Input field ADRT: "12"

XPath
X12862/LOOP_LIN_g002/REF/e02_0127

0128	M AN 3	Reference Identification Qualifier

M3 Application Description
'DK' = Dock number

'LF' = The assembly line feed location or the deliver to internal stock location

M3 Application Specification
Fixed data: "DK" or "LF"

XPath
X12862/LOOP_LIN_g002/REF/e01_0128

Group: 2	C 10000	Segment Group: 2
Segment: **UIT**	M 1	UIT - Unit Detail
C001	M	C001 - Composite Unit of Measure
** 0355	M AN 2	C001 - Composite Unit of Measure

M3 Application Description
Unit of measure as Unit of measure

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddItem Field: UNIT

M3 Data Translation
Message standard: "X12" Version: "4010" Message: "862" Parent
elements: "g002/UIT" Data element: "e01_0355" Movex table:
"OOLINE" Movex field: "OBALUN"

XPath
X12862/LOOP_LIN_g002/UIT/cmp01/e01_0355

Group: 3	C 100	Segment Group: 3
Segment: **FST**	C 1	FST - Forecast Schedule
0373	M AN 8	Date

M3 Application Description
Date as Requested delivery date

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddInstruction Field:
RLDT

XPath
X12862/LOOP_LIN_g002/LOOP_FST_g003/FST/e04_0373

0680	M AN 1	Forecast Qualifier

M3 Application Description
'C' = Firm

M3 Application Specification
Condition e02_0680 equals "C"

API dataMI program: RSS110MI Transaction: AddInstruction Field:
RSIN = "1"

XPath
X12862/LOOP_LIN_g002/LOOP_FST_g003/FST/e02_0680

Group: 4	C 96	Segment Group: 4
Segment: **JIT**	C 1	JIT - Just-In-Time Schedule
0337	M AN 8	Time

M3 Application Description
Time of requirement as Requested delivery time

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddInstruction Field: RLTM

Note: Time format received = HHMM

API call: RSS110MI/AddInstruction
Input field CONO: CONO
Input field DIVI: DIVI
Input field ODPN: ODPN, Note: Output from AddHeader.
Input field ODPI: ODPI, Note: Output from AddItem.

XPath
X12862/LOOP_LIN_g002/LOOP_FST_g003/LOOP_JIT_g004/JIT/ e02_0337

| 0380 | M N 15 | Quantity |

M3 Application Description
Quantity required as Requested quantity

M3 Application Specification
API dataMI program: RSS110MI Transaction: AddInstruction Field: DEMQ

XPath
X12862/LOOP_LIN_g002/LOOP_FST_g003/LOOP_JIT_g004/JIT/ e01_0380