Business Message Documentation

Application Type	**Application Business Message (ABM)**
M3 version	**BE15**
M3 Business Message	**ER - Expected Receipt**
Message Direction	**Inbound**
Message Application	**ABM ExpectedReceipt Process 1**

Map name	**M3BE15_ER_In_ABM_ExpectedReceipt_Process_1**

Source file	ABM_ExpectedReceipt_Process_1_MIG_v1.pdf
Created	2013-09-03 16:01

Introduction

This document is a Message Implementation Guideline (MIG) for a business message used in Infor's enterprise application, M3. It defines in detail the collaboration logic between the business message and the M3 system.

The MIG supplied by Infor is based on the business functionality in M3.

The business message format is Extensible Markup Language (XML). XML is a standard developed by the World Wide Web Consortium (W3C). "Element" in this document refers to an XML element. The business message is divided into "message parts"; a message part is a logical unit within the business message, for example, a header, an address or details/lines. Within each message part each element can have up to four parents. The message part, the parents and the element define the XPath for the element. Structural levels for the message's object and process (for example "PurchaseOrder" and "Show") are only shown in the XPaths in this document.

This document consists of two major sections: Elements Used and Element Documentation. The section Elements Used provides an overall view of all elements used in this MIG. The section Element Documentation provides detailedspecifications of each and every element implemented in the business message. The element information is presented in the order in which the elements are defined in the business message.

Elements Used

This section contains a summary of all elements used in this message application, that is, the elements that have documentation attached. The XPaths for these elements are provided relative to the message parts. The elements are listed in message structure order

Elements Used

MessagePart	**GeneralMessageHeader**
	MessageIdentification/MessageObject
	MessageIdentification/MessageMethod
	MessageIdentification/MessageVersion
	MessageIdentification/MessageIdentityNumber
	MessageLanguage/Language/Code
	MessageLanguage/Language/Description
	MessageDate/DateAndTime/Date
	MessageDate/DateAndTime/Time
	MessageDate/DateAndTime/GMTOffset
	MessageDate/DateAndTime/DateFormat
	MessageDate/DateAndTime/TimeFormat
	MessageFunction/MessageFunctionIndicator
	MessageStatus/MessageStatusIndicator
	ApplicationMessage/Identity
	ApplicationMessage/SeverityCode
	ApplicationMessage/Text
	ApplicationMessage/LanguageCode

Elements Used

MessagePart	**Process/Header**
	E0PA
	WHLO
	TTYP
	RIDN
	REPN
	DOWN

Element Documentation

This section is based on the same structure as the section Elements Used, but here you see all the available descriptions, statuses (conditional or mandatory), repeats (0, 1, 2 etc. or unbounded), data types (alphanumeric, numeric, date etc.) and data lengths. There is a page break for every message part.Parents' attributes are only shown when the parents change. This section also includes M3 application documentation and the XPath for the element, which specifies the position of the element in the message structure.

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 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”) and currency codes (“PND” to “GBP”). 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 business message. 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 business message.

MessagePart		Repeat		Description
GeneralMessageHeader		**M**	**1**	**General message header**
Parent1	**MessageIdentification**	M	1	Message identification
Element	**MessageObject**	M		Message object
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageIdentification/MessageObject*			
Parent1	**MessageIdentification**	M	1	Message identification
Element	**MessageMethod**	M		Message Advice
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageIdentification/MessageMethod*			
Parent1	**MessageIdentification**	M	1	Message identification
Element	**MessageVersion**	M		Message version
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageIdentification/MessageVersion*			
Parent1	**MessageIdentification**	M	1	Message identification
Element	**MessageIdentityNumber**	M		MessageIdentityNumber
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageIdentification/MessageIdentityNumber*			
Parent2	**MessageLanguage**	M	1	MessageLanguage
Parent1	**Language**	M	1	Language
Element	**Code**	M		Code
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageLanguage/Language/Code*			
Parent2	**MessageLanguage**	M	1	MessageLanguage
Parent1	**Language**	M	1	Language
Element	**Description**	C		Description
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageLanguage/Language/Description*			
Parent2	**MessageDate**	M	1	Message Date
Parent1	**DateAndTime**	C	1	DateAndTime
Element	**Date**	M		Date
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageDate/DateAndTime/Date*			
Parent2	**MessageDate**	M	1	Message Date
Parent1	**DateAndTime**	C	1	DateAndTime
Element	**Time**	C		Time
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageDate/DateAndTime/Time*			

MessagePart		Repeat		Description
GeneralMessageHeader		**M**	**1**	**General message header**
Parent2	**MessageDate**	M	1	Message Date
Parent1	**DateAndTime**	C	1	DateAndTime
Element	**GMTOffset**	C		GMTOffset
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageDate/DateAndTime/GMTOffset*			
Parent2	**MessageDate**	M	1	Message Date
Parent1	**DateAndTime**	C	1	DateAndTime
Element	**DateFormat**	C		Date format
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageDate/DateAndTime/DateFormat*			
Parent2	**MessageDate**	M	1	Message Date
Parent1	**DateAndTime**	C	1	DateAndTime
Element	**TimeFormat**	C		Time format
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageDate/DateAndTime/TimeFormat*			
Parent1	**MessageFunction**	C	1	Message function
Element	**MessageFunctionIndicator**	C		Message function indicator
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageFunction/MessageFunctionIndicator*			
Parent1	**MessageStatus**	C	1	Message status
Element	**MessageStatusIndicator**	C		Message status indicator
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/MessageStatus/MessageStatusIndicator*			
Parent1	**ApplicationMessage**	C	unbounded	Application message
Element	**Identity**	M		Identity
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/ApplicationMessage/Identity*			
Parent1	**ApplicationMessage**	C	unbounded	Application message
Element	**SeverityCode**	C		Severity code
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/ApplicationMessage/SeverityCode*			
Parent1	**ApplicationMessage**	C	unbounded	Application message
Element	**Text**	M		Text
	XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/ApplicationMessage/Text*			

MessagePart		Repeat		Description
GeneralMessageHeader		**M**	**1**	**General message header**
Parent1	**ApplicationMessage**	C	unbounded	Application message
Element	**LanguageCode**	M		Language code

XPath: *ExpectedReceipt_Process_1/GeneralMessageHeader/ApplicationMessage/LanguageCode*

MessagePart		Repeat			Description
Process/Header		**M**		**1**	**Expected receipt header**
Element	**E0PA**	M	a	17	Partner

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: E0PA
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/E0PA*

Element	**WHLO**	M	a	3	Warehouse

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: WHLO
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/WHLO*

Element	**TTYP**	M	n	2	Stock transaction type

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: TTYP
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/TTYP*

Element	**RIDN**	M	a	10	Order number

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: RIDN
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/RIDN*

Element	**REPN**	M	n	10	Receiving number

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: REPN
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/REPN*

Element	**DOWN**	C	n	1	0/blank=Unprocessed, 1=Processed

M3 Application Description:
M3 Application Specification:
API data MI program: MHS800MI Transaction: PrcExpRec Field: DOWN
XPath: *ExpectedReceipt_Process_1/ExpectedReceipt/Process/Header/DOWN*

END