



Business Message Documentation

Application Type	EDI Business Message (EBM)
M3 version	BE15
M3 Business Message	DA - Dispatch Advice
Message Direction	Outbound
Message Application	X12 856 4010 pick and pack

Map name	M3BE15_DA_Out_X12_856_4010_pick_and_pack
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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				
	BSN M 1			BSN - Beginning Segment for Ship Notice
			0337 M	Time
			0353 M	Transaction Set Purpose Code
			0373 M	Date
			0396 M	Shipment Identification
			1005 C	Hierarchical Structure Code
	CTT C 1			CTT - Transaction Totals
			0354 M	Number of Line Items
	ST M 1			ST - Transaction Set Header
			0143 M	Transaction Set Identifier Code
			0329 M	Transaction Set Control Number
1 C 200000				Loop Id HL
	DTM C 10			DTM - Date/Time Reference
			0337 C	Time
			0373 C	Date
			0374 M	Date/Time Qualifier
			0623 C	Time Code
	HL M 1			HL - Hierarchical Level
			0628 M	Hierarchical ID Number
			0734 C	Hierarchical Parent ID Number

Group	Segment	Composite /Element	Element	Description
1 C 200000				Loop Id HL
	HL M 1		0735 M	HL - Hierarchical Level Hierarchical Level Code
	LIN C 1		0234 M	LIN - Item Identification Product/Service ID
			0235 M	Product/Service ID Qualifier
	MAN C 9999999		0087 M	MAN - Marks and Numbers Marks and Numbers
			0088 M	Marks and Numbers Qualifier
	PAL C 1		0065 C	PAL - Pallet Information Height
			0082 C	Length
			0189 C	Width
			0355 C	Unit or Basis for Measurement Code
			0356 C	Pack
			0883 C	Pallet Type Code
	PO4 C 1		0065 C	PO4 - Item Physical Details Height
			0082 C	Length
			0103 C	Packaging Code
			0189 C	Width
			0355 C	Unit or Basis for Measurement Code
			0356 C	Pack

Group	Segment	Composite /Element	Element	Description
1 C 200000				Loop Id HL
	PO4 C 1			PO4 - Item Physical Details
			0356 C	Pack
			0384 C	Gross Weight per Pack
	PRF C 1			PRF - Purchase Order Reference
			0324 M	Purchase Order Number
	REF C 9999999			REF - Reference Identification
			0127 C	Reference Identification
			0128 M	Reference Identification Qualifier
	SN1 C 1			SN1 - Item Detail (Shipment)
			0355 M	Unit or Basis for Measurement Code
			0382 M	Number of Units Shipped
	TD1 C 20			TD1 - Carrier Details (Quantity and Weight)
			0080 C	Lading Quantity
			0081 C	Weight
			0103 C	Packaging Code
			0183 C	Volume
			0187 C	Weight Qualifier
			0355 C	Unit or Basis for Measurement Code

Group	Segment	Composite /Element	Element	Description
1 C 200000				Loop Id HL
	TD3 C 12			TD3 - Carrier Details (Equipment)
			0040 C	Equipment Description Code
			0206 C	Equipment Initial
			0207 C	Equipment Number
	TD5 C 12			TD5 - Carrier Details (Routing Sequence/Transit Time)
			0066 C	Identification Code Qualifier
			0067 C	Identification Code
			0091 C	Transportation Method/Type Code
			0133 C	Routing Sequence Code
4 C 200				Loop Id N1
	N1 C 1			N1 - Name
			0066 C	Identification Code Qualifier
			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
4 C 200				Loop Id N1
	N4 C 1			N4 - Geographic Location
			0026 C	Country Code
			0116 C	Postal Code
			0156 C	State or Province Code



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: BSN	M 1	BSN - Beginning Segment for Ship Notice
0337	M AN 8 M3 Application Description Message time as Time M3 Application Specification MBMInitiator/MessageDate/DateAndTime/Time XPath <i>X12856/BSN/e04_0337</i>	Time
0353	M AN 2 M3 Application Description '00' = Original M3 Application Specification Fixed data: "00" XPath <i>X12856/BSN/e01_0353</i>	Transaction Set Purpose Code
0373	M AN 8 M3 Application Description Message date as Date M3 Application Specification MBMInitiator/MessageDate/DateAndTime/Date XPath <i>X12856/BSN/e03_0373</i>	Date
0396	M AN 30 M3 Application Description Delivery number as Shipment identification M3 Application Specification MBMInitiator/MessageKeys/MessageKey3/Value XPath <i>X12856/BSN/e02_0396</i>	Shipment Identification



Group: 0	M 1	Segment Group: 0
Segment: BSN 1005	M 1 C AN 4 M3 Application Description '0001' = Shipment, Order, Packaging, Item M3 Application Specification Fixed data: "0001" XPath <i>X12856/BSN/e05_1005</i>	BSN - Beginning Segment for Ship Notice Hierarchical Structure Code
Segment: CTT 0354	C 1 M NO 6 M3 Application Description Number of line items (HL segments) M3 Application Specification Calculated data: Count number of HL segments. XPath <i>X12856/CTT/e01_0354</i>	CTT - Transaction Totals Number of Line Items
Segment: ST 0143	M 1 M AN 3 M3 Application Description '856' = Ship notice/manifest M3 Application Specification Fixed data: "856" XPath <i>X12856/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>X12856/ST/e02_0329</i>	Transaction Set Control Number

Group: 1	C 200000	Segment Group: 1
Segment: DTM	C 10	DTM - Date/Time Reference
0337	C AN 8	Time
	M3 Application Description '011' = Shipped	
	M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: SHTM	
	XPath <i>X12856/LOOP_HL_g001/DTM/e03_0337</i>	
0373	C AN 8	Date
	M3 Application Description '011' = Requested departure date as Shipped	
	M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: SHD4	
	XPath <i>X12856/LOOP_HL_g001/DTM/e02_0373</i>	
0374	M AN 3	Date/Time Qualifier
	M3 Application Description '011' = Shipped	
	M3 Application Specification HLS loop: Fixed data: "011"	
	XPath <i>X12856/LOOP_HL_g001/DTM/e01_0374</i>	
0623	C AN 2	Time Code
	M3 Application Description Time zone as Time code	
	M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: TIZO	
	M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/DTM" Data element: "e04_0623" Movex table: "OOHEAD" Movex field: "OATIZO"	
	XPath <i>X12856/LOOP_HL_g001/DTM/e04_0623</i>	



Group: 1	C 20000	Segment Group: 1
Segment: DTM 0623	C 10 C AN 2 M3 Application Description Time zone as Time code M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: TIZO M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/DTM" Data element: "e04_0623" Movex table: "OOHEAD" Movex field: "OATIZO"	DTM - Date/Time Reference Time Code
Segment: HL 0628	M 1 M AN 12 M3 Application Description Counter value as Hierarchical ID number M3 Application Specification HL-segment loop sequence is: HLS, HLO, HLT, HLP, HLI. Calculated data: Counter, start value 1 Some additional information about the loop levels and loop control: HLS is controlled by DLIX. HLO is controlled by CUOR. HLT is controlled by PAII. HLP is controlled by PANR. HLI is controlled by ITNO. XPath <i>X12856/LOOP_HL_g001/HL/e01_0628</i>	HL - Hierarchical Level Hierarchical ID Number



Group: 1	C 20000	Segment Group: 1
Segment: HL 0734	M 1 C AN 12 M3 Application Description Hierarchical parent ID number M3 Application Specification HLS loop: Not applicable HLO loop: Fixed data: "1" HLT loop: Calculated data: e01_628-value of corresponding HLO-segment. HLP loop: Condition: HLT loop present Calculated data: e01_628-value of corresponding HLT-segment. Condition: no HLT loop present Calculated data: e01_628-value of corresponding HLO-segment. HLI loop: Condition: HLP loop present Calculated data: e01_628-value of corresponding HLP-segment. Condition: no HLP loop present Calculated data: e01_628-value of corresponding HLO-segment. XPath X12856/LOOP_HL_g001/HL/e02_0734	HL - Hierarchical Level Hierarchical Parent ID Number



Group: 1	C 20000	Segment Group: 1
Segment: HL 0735	M 1 M AN 2 M3 Application Description 'S' = Shipment 'O' = Order 'T' = Tare 'P' = Package 'I' = Item M3 Application Specification Condition: HLS loop Fixed data: "S" Condition: HLO loop Fixed data: "O" Condition: HLT loop Fixed data: "T" Condition: HLP loop Fixed data: "P" Condition: HLI loop Fixed data: "I" XPath <i>X12856/LOOP_HL_g001/HL/e03_0735</i>	HL - Hierarchical Level Hierarchical Level Code
Segment: LIN 0234	C 1 M AN 48 M3 Application Description HLI loop: 'SA' = Item number as Vendor's item number M3 Application Specification HLI loop: API dataMI program: MWS410MI Transaction: LstItem Field: ITNO, output from sorting structure. XPath <i>X12856/LOOP_HL_g001/LIN/e03_0234</i> XPath <i>X12856/LOOP_HL_g001/LIN/e05_0234</i>	LIN - Item Identification Product/Service ID



Group: 1	C 20000	Segment Group: 1
Segment: LIN 0235	C 1 C AN 2 M3 Application Description 'EN' = EAN 'UP' = UPC 'IN' = Buyer's item number M3 Application Specification HLI loop: Condition: ALWT equals "02" and AWQ equals "EA13" or "EA08" or "DU14" Fixed data: "EN" Condition: ALWT equals "02" and AWQ equals "UPC" Fixed data: "UP" Condition: ALWT equals "06" Fixed data: "IN" XPath X12856/LOOP_HL_g001/LIN/e04_0235 M3 Application Description HLI loop: 'VN' = Vendor's item number as Product/Service ID qualifier M3 Application Specification HLI loop: Fixed data: "VN" XPath X12856/LOOP_HL_g001/LIN/e02_0235	LIN - Item Identification Product/Service ID Qualifier



Group: 1	C 20000	Segment Group: 1
Segment: MAN 0087	C 9999999 M AN 48 M3 Application Description HLT loop: SSCC or package number for outer package as Marks and numbers HLP loop: SSCC or package number for inner package as Marks and numbers M3 Application Specification HLT-loop: Condition: SSCC not equals blank API dataMI program: MWS410MI Transaction: GetPackage Field: SSCC Else PAII, output from sorting structure. HLP-loop: Condition: SSCC not equals blank API dataMI program: MWS410MI Transaction: LstItemPackages Field: SSCC, output from sorting structure. Else PANR, output from sorting structure. XPath <i>X12856/LOOP_HL_g001/MAN/e02_0087</i>	MAN - Marks and Numbers Marks and Numbers



Group: 1	C 20000	Segment Group: 1
Segment: MAN 0088	C 9999999 M AN 2 M3 Application Description HLT loop: 'AA' = SSCC-18 'ZZ' = Mutally defined HLP loop: 'AA' = SSCC-18 'ZZ' = Mutally defined M3 Application Specification HLT-loop: API call: MWS410MI/GetPackage Input field CONO: CONO Input field DLIX: DLIX Input field: PANR: PAll, output from sorting structure. Condition: SSCC equals blank Fixed data: "ZZ" Else Fixed data "AA" HLP-loop: Use output from sorting structure Condition: SSCC equals blank Fixed data: "ZZ" Else Fixed data "AA" XPath X12856/LOOP_HL_g001/MAN/e01_0088	MAN - Marks and Numbers Marks and Numbers Qualifier



Group: 1	C 20000	Segment Group: 1
Segment: PAL 0065	C 1 C N 8 M3 Application Description HLT-loop: Packaging height as Height M3 Application Specification HLT-loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACH XPath <i>X12856/LOOP_HL_g001/PAL/e09_0065</i>	PAL - Pallet Information Height
0082	C N 8 M3 Application Description HLT-loop: Packaging length as Length M3 Application Specification HLT-loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACL XPath <i>X12856/LOOP_HL_g001/PAL/e07_0082</i>	Length
0189	C N 8 M3 Application Description HLT-loop: Packaging width as Width M3 Application Specification HLT-loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACW XPath <i>X12856/LOOP_HL_g001/PAL/e08_0189</i>	Width



Group: 1	C 20000	Segment Group: 1
Segment: PAL 0355	C 1 C AN 2 M3 Application Description HLT loop: Unit or basis for measurement code M3 Application Specification HLT loop: Fixed data: "MR" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/PAL" Data element: "e10_0355" Movex table: "n/a" Movex field: "n/a" XPath X12856/LOOP_HL_g001/PAL/e10_0355	PAL - Pallet Information Unit or Basis for Measurement Code
0356	C N0 6 M3 Application Description Number of packages as Pack M3 Application Specification Condition: HLT-loop API call: MWS410MI/LstPackages Input field CONO: CONO Input field DLIX: DLIX Input field PACO: "0" API dataMI program: MWS410MI Transaction: LstPackages Field: NUPA XPath X12856/LOOP_HL_g001/PAL/e04_0356	Pack

Group: 1	C 20000	Segment Group: 1
Segment: PAL 0883	C 1 C AN 2 M3 Application Description HLT loop: Packaging as Pallet type code M3 Application Specification HLT-loop: API call: MWS410MI/GetPackage Input field CONO: CONO Input field DLIX: DLIX Input field: PANR: PALL, output from sorting structure. API dataMI program: MWS410MI Transaction: GetPackage Field: PACT M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/PAL" Data element: "e01_0883" Movex table: "MITPAC" Movex field: "M4PACT" XPath X12856/LOOP_HL_g001/PAL/e01_0883	PAL - Pallet Information Pallet Type Code
Segment: PO4 0065	C 1 C N 8 M3 Application Description HLP loop: Package height as Height M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACH XPath X12856/LOOP_HL_g001/PO4/e12_0065	PO4 - Item Physical Details Height

Group: 1	C 20000	Segment Group: 1
Segment: PO4 0082	C 1 C N 8 M3 Application Description HLP loop: Packaging length as Length M3 Application Specification HLP loop: API call: MWS410MI/GetPackage Input field CONO: CONO Input field DLIX: DLIX Input field PANR: PANR, output from sorting structure. API dataMI program: MWS410MI Transaction: GetPackage Field: PACL XPath <i>X12856/LOOP_HL_g001/PO4/e10_0082</i>	PO4 - Item Physical Details Length
0103	C AN 5 M3 Application Description HLP loop: Packaging as Packaging code M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: LstItemPackages Field: PACT, output from sorting structure. M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/PO4" Data element: "e04_0103" Movex table: "MITPAC" Movex field: "M4PACT" XPath <i>X12856/LOOP_HL_g001/PO4/e04_0103</i>	Packaging Code
0189	C N 8 M3 Application Description HLP loop: Package width as Width M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACW XPath <i>X12856/LOOP_HL_g001/PO4/e11_0189</i>	Width



Group: 1	C 20000	Segment Group: 1
Segment: PO4 0189	C 1 C N 8 M3 Application Description HLP loop: Package width as Width M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: GetPackage Field: PACW XPath X12856/LOOP_HL_g001/PO4/e11_0189	PO4 - Item Physical Details Width
0355	C AN 2 M3 Application Description HLP loop: Unit of measurement M3 Application Specification HLP loop: Fixed data: "MR" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/PO4" Data element: "e13_0355" Movex table: "n/a" Movex field: "n/a" XPath X12856/LOOP_HL_g001/PO4/e13_0355 M3 Application Description Unit of measurement M3 Application Specification HLP loop: Fixed data: "KG" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/PO4" Data element: "e07_0355" Movex table: "n/a" Movex field: "n/a" XPath X12856/LOOP_HL_g001/PO4/e07_0355	Unit or Basis for Measurement Code



Group: 1	C 20000	Segment Group: 1
Segment: PO4 0356	C 1 C N0 6 M3 Application Description HLP loop: Delivered quantity as Number of eaches HLI loop: Delivered quantity as Number of eaches M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: LastItemPackages Field: DLQA, outout from sorting structure. HLI loop: API dataMI program: MWS410MI Transaction: LastItemPackages Field: DLQA, outout from sorting structure. XPath X12856/LOOP_HL_g001/PO4/e01_0356	PO4 - Item Physical Details Pack
0384	C N 9 M3 Application Description Gross weight as Gross weight per pack M3 Application Specification HLP loop: API dataMI program: MWS410MI Transaction: LstItemPackages Field: GRWE, output from sorting structure. XPath X12856/LOOP_HL_g001/PO4/e06_0384	Gross Weight per Pack



Group: 1	C 20000	Segment Group: 1
Segment: PRF 0324	C 1 M AN 22 M3 Application Description HLO loop: Customer's order number as Purchase order number M3 Application Specification HLO loop: API call: Mws410MI/LstItem Input field CONO: CONO Input field DLIX: DLIX Input field ITDE: "2" For each record received from LstItem API call: Mws410MI/LstItemPackages Input field CONO: CONO Input field DLIX: DLIX Input field ITNO: ITNO, output from LstItem. Input field ITDE: "2" Input field CUOR: CUOR Input field PASO: "1" Add result to sorting strucure. Read sorting structure sorted on CUOR PAII PANR ITNO. CUOR controls HLO loop PAII and PANR controls subloop HLT/HLP ITNO controls subloop HLO/HLT/HLP/HLI API dataMI program: MWS410MI Transaction: LstItem Field: CUOR XPath <i>X12856/LOOP_HL_g001/PRF/e01_0324</i>	PRF - Purchase Order Reference Purchase Order Number

Group: 1	C 20000	Segment Group: 1
Segment: REF 0127	C 9999999 C AN 30 M3 Application Description HLO loop: 'VN' = Vendor order number 'IV' = Seller's invoice number M3 Application Specification HLO loop: Condition e01_0128 equals "VN" API call: MWS410MI/LstPackageLine Input field CONO: CONO Input field DLIX: DLIX Input field PDSO: "3" Input field PANR: PANR, output from sorting structure. API dataMI program: MWS410MI Transaction: LstPackageLine Field: RIDN Condition e01_0128 equals "IV" API dataMI program: MWS410MI Transaction: GetHead Field: IVNO XPath <i>X12856/LOOP_HL_g001/REF/e02_0127</i>	REF - Reference Identification Reference Identification
0128	M AN 3 M3 Application Description HLO loop: 'VN' = Vendor order number 'IV' = Seller's invoice number M3 Application Specification HLO loop: Fixed data: "VN" or "IV" XPath <i>X12856/LOOP_HL_g001/REF/e01_0128</i>	Reference Identification Qualifier



Group: 1	C 20000	Segment Group: 1
Segment: SN1 0355	C 1 M AN 2 M3 Application Description Alternate u/m as Unit of measurement M3 Application Specification HLI loop: API dataMI program: MWS410MI Transaction: LstItem Field: ALUN, output from sorting structure. M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/SN1" Data element: "e03_0355" Movex table: "OOLINE" Movex field: "OBALUN" XPath X12856/LOOP_HL_g001/SN1/e03_0355	SN1 - Item Detail (Shipment) Unit or Basis for Measurement Code
0382	M N 10 M3 Application Description HLI loop: Delivered quantity as Number of units shipped M3 Application Specification HLI loop: API dataMI program: MWS410MI Transaction: LstItemPackages Field: DLQA, output from sorting structure. XPath X12856/LOOP_HL_g001/SN1/e02_0382	Number of Units Shipped



Group: 1	C 20000	Segment Group: 1
Segment: TD1	C 20	TD1 - Carrier Details (Quantity and Weight)
0080	C N0 7 M3 Application Description Number of packages as Lading quantity M3 Application Specification HLS loop: Number of packages per package type and package level 0. XPath <i>X12856/LOOP_HL_g001/TD1/e02_0080</i>	Lading Quantity
0081	C N 10 M3 Application Description HLS loop: Aggregated gross weight as Gross weight M3 Application Specification HLS loop: Aggregated GRWE from sorting structure (summarized GRWE per packaging) XPath <i>X12856/LOOP_HL_g001/TD1/e07_0081</i>	Weight



Group: 1	C 20000	Segment Group: 1
Segment: TD1	C 20	TD1 - Carrier Details (Quantity and Weight)
0103	C AN 5	Packaging Code
	M3 Application Description	
	HLS-loop:	
	Packaging as Packaging code	
	M3 Application Specification	
	HLS-loop:	
	API call: MWS410MI/LstPackages	
	Input field CONO: CONO	
	Input field DLIX: DLIX	
	Input field PACO: "0"	
	Input field PASO: "4"	
	 Add result to sorting structure	
	 For each record received from LstPackages	
	API call: MWS410MI/GetPackage	
	Input field CONO: CONO	
	Input field DLIX: DLIX	
	Input field PANR: PANR, output from LstPackages.	
	 Write one TD1 record per unique PACT, summarize gross weight for each package type.	
	 Output: PACT	
	M3 Data Translation	
	Condition: e03_0735 equals "S"	
	Message standard: "X12" Version: "4010" Message: "856" Parent elements: "g001/TD1" Data element: "e01_0103" Condition element: "e03_0375" Condition data: "S" Movex table: "MITPAC" Movex field: "M4PACT"	
	XPath	
	<i>X12856/LOOP_HL_g001/TD1/e01_0103</i>	

Group: 1	C 20000	Segment Group: 1
Segment: TD1	C 20	TD1 - Carrier Details (Quantity and Weight)
0183	C N 8 M3 Application Description HLS loop: Aggregated volume as Volume M3 Application Specification HLS loop: Aggregated VOL3 from sorting structure (summarized VOL3 per packaging) XPath X12856/LOOP_HL_g001/TD1/e09_0183	Volume
0187	C AN 2 M3 Application Description 'G' = Gross weight M3 Application Specification HLS loop: Fixed data: "G" XPath X12856/LOOP_HL_g001/TD1/e06_0187	Weight Qualifier
0355	C AN 2 M3 Application Description 'CR' = Cubic meter M3 Application Specification Fixed data: "CR" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD1" Data element: "e10_0355" Movex table: "OOLINE" Movex field: "OBALUN" XPath X12856/LOOP_HL_g001/TD1/e10_0355	Unit or Basis for Measurement Code

Group: 1	C 20000	Segment Group: 1
Segment: TD1	C 20	TD1 - Carrier Details (Quantity and Weight)
0355	C AN 2	Unit or Basis for Measurement Code
	M3 Application Description 'KG' = Kilograms M3 Application Specification Fixed data: "KG" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD1" Data element: "e08_0355" Movex table: "OOLINE" Movex field: "OBALUN" XPath <i>X12856/LOOP_HL_g001/TD1/e08_0355</i>	
Segment: TD3	C 12	TD3 - Carrier Details (Equipment)
0040	C AN 2	Equipment Description Code
	M3 Application Description HLS loop: Transportation equipment as Equipment description code M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: TRCA M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD3" Data element: "e01_0040" Movex table: "n/a" Movex field: "n/a" XPath <i>X12856/LOOP_HL_g001/TD3/e01_0040</i>	
0206	C AN 4	Equipment Initial
	M3 Application Description HLS loop: Transport identity as Equipment initial M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: E0B4 M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD3" Data element: "e02_0206" Movex table: "n/a" Movex field: "n/a" XPath <i>X12856/LOOP_HL_g001/TD3/e02_0206</i>	

Group: 1	C 20000	Segment Group: 1
Segment: TD3 0206	C 12 C AN 4 M3 Application Description HLS loop: Transport identity as Equipment initial M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: E0B4 M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD3" Data element: "e02_0206" Movex table: "n/a" Movex field: "n/a" XPath X12856/LOOP_HL_g001/TD3/e02_0206	TD3 - Carrier Details (Equipment) Equipment Initial
0207	C AN 10 M3 Application Description HLS loop: Trailer registration number as Equipment number M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: GetHead Field: E0BH XPath X12856/LOOP_HL_g001/TD3/e03_0207	Equipment Number
Segment: TD5 0066	C 12 C AN 2 M3 Application Description HLS loop: '2' = Standard carrier alpha code M3 Application Specification HLS loop: Fixed data: "2" M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD5" Data element: "e02_0066" Movex table: "n/a" Movex field: "n/a" XPath X12856/LOOP_HL_g001/TD5/e02_0066	TD5 - Carrier Details (Routing Sequence/Transit Time) Identification Code Qualifier

Group: 1	C 20000	Segment Group: 1
Segment: TD5	C 12	TD5 - Carrier Details (Routing Sequence/Transit Time)
0066	C AN 2	Identification Code Qualifier
	M3 Application Description	
	HLS loop:	
	'2' = Standard carrier alpha code	
	M3 Application Specification	
	HLS loop:	
	Fixed data: "2"	
	M3 Data Translation	
	Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD5" Data element: "e02_0066" Movex table: "n/a" Movex field: "n/a"	
	XPath	
	X12856/LOOP_HL_g001/TD5/e02_0066	
0067	C AN 80	Identification Code
	M3 Application Description	
	HLS loop:	
	Forwarding agent as Identification code	
	M3 Application Specification	
	HLS loop:	
	API call: Mws410MI/GetHead	
	Input field CONO: CONO	
	Input field DLIX: DLIX	
	API dataMI program: MWS410MI Transaction: GetHead Field: FWNO	
	M3 Data Translation	
	Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD5" Data element: "e03_0067" Movex table: "CIDMAS" Movex field: "IDSUNO"	
	XPath	
	X12856/LOOP_HL_g001/TD5/e03_0067	

Group: 1	C 20000	Segment Group: 1
Segment: TD5	C 12	TD5 - Carrier Details (Routing Sequence/Transit Time)
0091	C AN 2	Transportation Method/Type Code
	M3 Application Description	
	HLS loop:	
	Delivery method as Transportation method/type code	
	M3 Application Specification	
	HLS loop:	
	API dataMI program: MWS410MI Transaction: GetHead Field: MODL	
	M3 Data Translation	
	Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G001/TD5" Data element: "e04_0091" Movex table: "OOHEAD" Movex field: "OAMODL"	
	XPath	
	X12856/LOOP_HL_g001/TD5/e04_0091	
0133	C AN 2	Routing Sequence Code
	M3 Application Description	
	HLS loop:	
	'B' = Origin/delivery carrier	
	M3 Application Specification	
	HLS loop:	
	Fixed data: "B"	
	XPath	
	X12856/LOOP_HL_g001/TD5/e01_0133	
Group: 4	C 200	Segment Group: 4
Segment: N1	C 1	N1 - Name
0066	C AN 2	Identification Code Qualifier
	M3 Application Description	
	'91' = Assigned by buyer or buyer's agent	
	M3 Application Specification	
	HLS loop:	
	Fixed data: "91"	
	XPath	
	X12856/LOOP_HL_g001/LOOP_N1_g004/N1/e03_0066	

Group: 4	C 200	Segment Group: 4
Segment: N1	C 1	N1 - Name
0067	C AN 80	Identification Code
	M3 Application Description 'ST' = Consignor as Ship to 'SH' = Forwarder as Shipper 'BY' = Customer as Buying party 'SU' = Division as Supplier/manufacturer	
	M3 Application Specification HLS loop: API call: MWS410MI/LstAdr Input field CONO: CONO Input field DLIX: DLIX	
	Conditon: If ADRT eq '01' AND e01_0098 equals "SU" ZDCONO to CRS886MI/CvtPtr/CONO "01" to CRS886MI/CvtPtr/PCTG ZDDIVI to CRS886MI/CvtPtr/PAID "21" to CRS886MI/CvtPtr/PAAC APICall:CRS886MI Transaction: CvtPtr Condition if CRS886MI/CvtPtr/PAAL ne *blank PAAL to 0067 else if ZDDIVI ne *blank ZDDIVI to 0067 else ZDCONO to 0067	
	Conditon: If ADRT eq '10' AND e01_0098 equals "BY" ZDCONO to CRS886MI/CvtPtr/CONO "10" to CRS886MI/CvtPtr/PCTG CONA to CRS886MI/CvtPtr/PAID "21" to CRS886MI/CvtPtr/PAAC API call:CRS886MI Transaction: CvtPtr Condition if CRS886MI/CvtPtr/PAAL ne *blank PAAL to 0067 else CONA to 0067	
	Conditon: If ADRT eq '11' AND e01_0098 equals "ST" ZDCONO to CRS886MI/CvtPtr/CONO "11" to CRS886MI/CvtPtr/PCTG CONA to CRS886MI/CvtPtr/PAID COAA to CRS886MI/CvtPtr/PAI1 "21" to CRS886MI/CvtPtr/PAAC "EA13" to CRS886MI/CvtPtr/PAAQ APICall:CRS886MI Transaction: CvtPtr Condition if CRS886MI/CvtPtr/PAAL ne *blank PAAL to 0067 else COAA to 0067	

Group: 4	C 200	Segment Group: 4
Segment: N1	C 1	N1 - Name
0067	C AN 80	Identification Code
M3 Application Description		
'ST' = Consignor as Ship to		
'SH' = Forwarder as Shipper		
'BY' = Customer as Buying party		
'SU' = Division as Supplier/manufacturer		
M3 Application Specification		
Condition: If ADRT eq '04' AND e01_0098 equals "SH"		
ZDCONO to CRS886MI/CvtPtr/CONO		
"21" to CRS886MI/CvtPtr/PCTG		
SUNO to CRS886MI/CvtPtr/PAID		
"21" to CRS886MI/CvtPtr/PAAC		
"EA13" to CRS886MI/CvtPtr/PAAQ		
APICall:CRS886MI Transaction: CvtPtr		
Condition if CRS886MI/CvtPtr/PAAL ne *blank PAAL to 0067 else		
SUNO to 0067		
M3 Data Translation		
Condition e01_0098 equals "ST"		
Message standard: "X12" Version: "4010" Message: "856" Parent		
elements: "G004/N1" Data element: "e04_0067" Condition element:		
"e01_0098" Condition data: "ST" Movex table: "OCUSAD" Movex		
field: "OPADID"		
Condition e01_0098 equals "SH"		
Message standard: "X12" Version: "4010" Message: "856" Parent		
elements: "G004/N1" Data element: "e04_0067" Condition element:		
"e01_0098" Condition data: "SH" Movex table: "CIDVEN" Movex		
field: "IISUNO"		
Condition e01_0098 equals "SU"		
Message standard: "X12" Version: "4010" Message: "856" Parent		
elements: "G004/N1" Data element: "e04_0067" Condition element:		
"e01_0098" Condition data: "SU" Movex table: "OOHEAD" Movex		
field: "OADIVI"		
Condition e01_0098 equals "BY"		
Message standard: "X12" Version: "4010" Message: "856" Parent		
elements: "G004/N1" Data element: "e04_0067" Condition element:		
"e01_0098" Condition data: "BY" Movex table: "OOHEAD" Movex		
field: "OACUNO"		
XPath		
X12856/LOOP_HL_g001/LOOP_N1_g004/N1/e04_0067		

Group: 4	C 200	Segment Group: 4
Segment: N1 0098	C 1 M AN 3 M3 Application Description 'ST' = Ship to 'SH' = Shipper 'BY' = Buying party 'SU' = Supplier/manufacturer M3 Application Specification HLS loop: Fixed data: "ST" or "SH" or "BY" or "SU" XPath <i>X12856/LOOP_HL_g001/LOOP_N1_g004/N1/e01_0098</i>	N1 - Name Entity Identifier Code
Segment: N2 0093	C 2 M AN 60 M3 Application Description Name as Name M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: NAME XPath <i>X12856/LOOP_HL_g001/LOOP_N1_g004/N2/e01_0093</i>	N2 - Additional Name Information Name
Segment: N3 0166	C 2 M AN 55 M3 Application Description Address line 1 as Address information M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: ADR1 XPath <i>X12856/LOOP_HL_g001/LOOP_N1_g004/N3/e01_0166</i>	N3 - Address Information Address Information

Group: 4	C 200	Segment Group: 4
Segment: N3 0166	C 2 M AN 55 M3 Application Description Address line 2 as Address information M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: ADR2 XPath X12856/LOOP_HL_g001/LOOP_N1_g004/N3/e02_0166	N3 - Address Information Address Information
Segment: N4 0019	C 1 C AN 30 M3 Application Description Address line 4 as City name M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: ADR4 XPath X12856/LOOP_HL_g001/LOOP_N1_g004/N4/e01_0019	N4 - Geographic Location City Name
0026	C AN 3 M3 Application Description Country as Country code M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: CSCD M3 Data Translation Message standard: "X12" Version: "4010" Message: "856" Parent elements: "G004/N1" Data element: "e04_0026" Movex table: "OOHEAD" Movex field: "OACSCD" XPath X12856/LOOP_HL_g001/LOOP_N1_g004/N4/e04_0026	Country Code



Group: 4	C 200	Segment Group: 4
Segment: N4 0116	C 1 C AN 15 M3 Application Description Postal code as Postal code M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: PONO XPath <i>X12856/LOOP_HL_g001/LOOP_N1_g004/N4/e03_0116</i>	N4 - Geographic Location Postal Code
0156	C AN 2 M3 Application Description Area/state as State or province code M3 Application Specification HLS loop: API dataMI program: MWS410MI Transaction: LstAdr Field: ECAR XPath <i>X12856/LOOP_HL_g001/LOOP_N1_g004/N4/e02_0156</i>	State or Province Code