



## Business Message Documentation

|                     |                                   |
|---------------------|-----------------------------------|
| Application Type    | <b>EDI Business Message (EBM)</b> |
| M3 version          | <b>BE15</b>                       |
| M3 Business Message | <b>DA - Dispatch Advice</b>       |
| Message Direction   | <b>Outbound</b>                   |
| Message Application | <b>Wal-Mart X12 856 5010</b>      |

|          |  |
|----------|--|
| Map name | <b>M3BE15_DA_Out_Wal-Mart_X12_856_5010</b> |
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|             |  |
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| Source file | M3BE15_DA_Out_Wal-Mart_X12_856_5010_MIG_v1.pdf |
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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                     |
|            | FOB C 1  |                    |         | FOB - F.O.B. Related Instructions       |
|            |          |                    | 0146 M  | Shipment Method of Payment              |
|            | HL M 1   |                    |         | HL - Hierarchical Level                 |
|            |          |                    | 0628 M  | Hierarchical ID Number                  |

| Group      | Segment       | Composite /Element | Element | Description                                |
|------------|---------------|--------------------|---------|--|
| 1 C 200000 |               |                    |         | Loop Id HL                                 |
|            | HL M 1        |                    |         | HL - Hierarchical Level                    |
|            |               |                    | 0734 C  | Hierarchical Parent ID Number              |
|            |               |                    | 0735 M  | Hierarchical Level Code                    |
|            | LIN C 1       |                    |         | LIN - Item Identification                  |
|            |               |                    | 0234 M  | Product/Service ID                         |
|            |               |                    | 0235 M  | Product/Service ID Qualifier               |
|            | MAN C 9999999 |                    |         | MAN - Marks and Numbers Information        |
|            |               |                    | 0087 M  | Marks and Numbers                          |
|            |               |                    | 0088 M  | Marks and Numbers Qualifier                |
|            | PAL C 1       |                    |         | PAL - Pallet Type and Load Characteristics |
|            |               |                    | 0883 C  | Pallet Type Code                           |
|            | PO4 C 1       |                    |         | PO4 - Item Physical Details                |
|            |               |                    | 0065 C  | Height                                     |
|            |               |                    | 0082 C  | Length                                     |
|            |               |                    | 0103 C  | Packaging Code                             |
|            |               |                    | 0189 C  | Width                                      |
|            |               |                    | 0355 C  | Unit or Basis for Measurement Code         |
|            |               |                    | 0356 C  | Pack                                       |
|            |               |                    | 0384 C  | Gross Weight per Pack                      |

| Group      | Segment       | Composite /Element | Element | Description   |
|------------|---------------|--------------------|---------|---|
| 1 C 200000 |               |                    |         | Loop Id HL  |
|            | PRF C 1       |                    |         | PRF - Purchase Order Reference                        |
|            |               |                    | 0324 M  | Purchase Order Number                                 |
|            |               |                    | 0373 C  | Date  |
|            | REF C 9999999 |                    |         | REF - Reference Information                           |
|            |               |                    | 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                    |
|            | TD5 C 12      |                    |         | TD5 - Carrier Details (Routing Sequence/Transit Time) |
|            |               |                    | 0066 C  | Identification Code Qualifier                         |
|            |               |                    | 0067 C  | Identification Code                                   |



| Group      | Segment  | Composite /Element | Element | Description   |
|------------|----------|--------------------|---------|---|
| 1 C 200000 |          |                    |         | Loop Id HL  |
|            | TD5 C 12 |                    |         | TD5 - Carrier Details (Routing Sequence/Transit Time) |
|            |          |                    | 0091 C  | Transportation Method/Type Code                       |
|            |          |                    | 0133 C  | Routing Sequence Code                                 |
| 2 C 12     |          |                    |         | Loop Id TD3   |
|            | TD3 C 1  |                    |         | TD3 - Carrier Details (Equipment)                     |
|            |          |                    | 0040 C  | Equipment Description Code                            |
|            |          |                    | 0206 C  | Equipment Initial                                     |
|            |          |                    | 0207 C  | Equipment Number                                      |
| 5 C 200    |          |                    |         | Loop Id N1  |
|            | N1 C 1   |                    |         | N1 - Party Identification                             |
|            |          |                    | 0066 C  | Identification Code Qualifier                         |
|            |          |                    | 0067 C  | Identification Code                                   |
|            |          |                    | 0093 C  | Name  |
|            |          |                    | 0098 M  | Entity Identifier 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: <b>BSN</b> | <b>M 1</b>  | BSN - Beginning Segment for Ship Notice |
| 0337                | M AN 8<br><b>M3 Application Description</b><br>Message time as Time<br><b>M3 Application Specification</b><br>MBMInitiator/MessageDate/DateAndTime/Time<br><b>XPath</b><br><i>X12856/BSN/e04_0337</i>                         | Time                                    |
| 0353                | M AN 2<br><b>M3 Application Description</b><br>'00' = Original<br><b>M3 Application Specification</b><br>Fixed data: "00"<br><b>XPath</b><br><i>X12856/BSN/e01_0353</i>   | Transaction Set Purpose Code            |
| 0373                | M AN 8<br><b>M3 Application Description</b><br>Message date as Date<br><b>M3 Application Specification</b><br>MBMInitiator/MessageDate/DateAndTime/Date<br><b>XPath</b><br><i>X12856/BSN/e03_0373</i>                         | Date                                    |
| 0396                | M AN 30<br><b>M3 Application Description</b><br>Delivery number as Shipment identification<br><b>M3 Application Specification</b><br>MBMInitiator/MessageKeys/MessageKey3/Value<br><b>XPath</b><br><i>X12856/BSN/e02_0396</i> | Shipment Identification                 |

| Group: 0                    | M 1   | Segment Group: 0   |
|-----------------------------|---|--|
| Segment: <b>BSN</b><br>1005 | <b>M 1</b><br>C AN 4<br><b>M3 Application Description</b><br>'0002' = Shipment, Order, Item, Tare, Packaging<br><b>M3 Application Specification</b><br>Fixed data: "0002"<br><b>XPath</b><br><i>X12856/BSN/e05_1005</i>   | BSN - Beginning Segment for Ship Notice<br>Hierarchical Structure Code |
| Segment: <b>CTT</b><br>0354 | <b>C 1</b><br>M NO 6<br><b>M3 Application Description</b><br>Number of line items (HL segments)<br><b>M3 Application Specification</b><br>Calculated data: Count number of HL segments.<br><br>Add user function Manifest_Update<br>setManifestInfo("map:keyField1", "CONO")<br>setManifestInfo("map:keyValue1", CONO), MBMInit output field CONO<br>setManifestInfo("map:keyField2", "DIVI")<br>setManifestInfo("map:keyValue2", DIVI), MBMInit output field DIVI<br>setManifestInfo("map:keyField3", "DLIX")<br>setManifestInfo("map:keyValue3", DLIX), MBMInit output field DLIX<br><br><b>XPath</b><br><i>X12856/CTT/e01_0354</i> | CTT - Transaction Totals<br>Number of Line Items                       |
| Segment: <b>ST</b><br>0143  | <b>M 1</b><br>M AN 3<br><b>M3 Application Description</b><br>'856' = Ship notice/manifest<br><b>M3 Application Specification</b><br>Fixed data: "856"<br><b>XPath</b><br><i>X12856/ST/e01_0143</i>  | ST - Transaction Set Header<br>Transaction Set Identifier Code         |

| Group: 0                    | M 1  | Segment Group: 0  |
|-----------------------------|--|---|
| Segment: <b>ST</b><br>0329  | <b>M 1</b><br>M AN 9<br><b>M3 Application Description</b><br>Transaction set control number<br><b>M3 Application Specification</b><br>Fixed data: "0001"<br>Create userfunction MBMInit<br>Output field MessageCopy: MovexBusinessMessageInitiator/<br>MessageCopy<br>Output field MessageDate: MovexBusinessMessageInitiator/<br>MessageDate<br>Output field MessageTime: MovexBusinessMessageInitiator/<br>MessageTime<br>Output field CONO: MovexBusinessMessageInitiator/MessageKeys/<br>MessageKey/Value1<br>Output field DIVI: MovexBusinessMessageInitiator/MessageKeys/<br>MessageKey/Value2<br>Output field DLIX: MovexBusinessMessageInitiator/MessageKeys/<br>MessageKey/Value3<br><br><b>XPath</b><br>X12856/ST/e02_0329 | ST - Transaction Set Header<br>Transaction Set Control Number |
| Group: 1                    | C 20000  | Segment Group: 1  |
| Segment: <b>DTM</b><br>0337 | <b>C 10</b><br>C AN 8<br><b>M3 Application Description</b><br>'011' = Shipped<br><b>M3 Application Specification</b><br>HLS loop:<br>API dataMI program: MWS410MI Transaction: GetHead Field: SHTM<br><b>XPath</b><br>X12856/LOOP_HL_g001/DTM/e03_0337   | DTM - Date/Time Reference<br>Time                             |



| Group: 1                    | C 20000   | Segment Group: 1  |
|-----------------------------|---|---|
| Segment: <b>DTM</b><br>0373 | <b>C 10</b><br>C AN 8<br><b>M3 Application Description</b><br>'011' = Requested departure date as Shipped<br><b>M3 Application Specification</b><br>HLS loop:<br>API dataMI program: MWS410MI Transaction: GetHead Field: SHD4<br><b>XPath</b><br>X12856/LOOP_HL_g001/DTM/e02_0373  | DTM - Date/Time Reference<br>Date                               |
| 0374                        | M AN 3<br><b>M3 Application Description</b><br>'011' = Shipped<br><b>M3 Application Specification</b><br>HLS loop:<br>Fixed data: "011"<br><b>XPath</b><br>X12856/LOOP_HL_g001/DTM/e01_0374   | Date/Time Qualifier   |
| Segment: <b>FOB</b><br>0146 | <b>C 1</b><br>M AN 2<br><b>M3 Application Description</b><br>Delivery terms as Shipment method of payment<br><b>M3 Application Specification</b><br>HLS loop:<br>API dataMI program: MWS410MI Transaction: GetHead Field: TEDL<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/FOB" Data element: "e01_0146" Movex table: "OOHEAD" Movex field: "OATEDL"<br><b>XPath</b><br>X12856/LOOP_HL_g001/FOB/e01_0146 | FOB - F.O.B. Related Instructions<br>Shipment Method of Payment |



| Group: 1            | C 20000   | Segment Group: 1                                  |
|---------------------|---|---|
| Segment: HL<br>0628 | <b>M 1</b><br>M AN 12<br><b>M3 Application Description</b><br>Counter value as Hierarchical ID number<br><b>M3 Application Specification</b><br>HL-segment loop sequence is: HLS, HLO, HLI, HLT, HLP.<br><br>Calculated data: Counter, start value 1<br><br>Some additional information about the loop level and loop control:<br>HLS is controlled by DLIX.<br>HLO is controlled by CUOR.<br>HLI is controlled by ITNO.<br>HLT is controlled by PAII.<br>HLP is controlled by PANR.<br><br>API call: Mws410MI/LstItem<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field ITDE: "2"<br><br>For each record received from LstItem<br>API call: Mws410MI/LstItemPackages<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field ITNO: ITNO, output from LstItem.<br>Input field ITDE: "2"<br>Input field PASO: "1"<br><br>Add result to sorting structure (SS_HL / SS_HL3).<br><br>Read sorting structure (SS_HL3) sorted on CUOR ITNO PAII PANR.<br><br><b>XPath</b><br><i>X12856/LOOP_HL_g001/HL/e01_0628</i> | HL - Hierarchical Level<br>Hierarchical ID Number |



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

| Group: 1                    | C 20000   | Segment Group: 1                                   |
|-----------------------------|---|--|
| Segment: <b>HL</b><br>0735  | <b>M 1</b><br>M AN 2<br><b>M3 Application Description</b><br>'S' = Shipment<br>'O' = Order<br>'I' = Item<br>'T' = Tare<br>'P' = Package<br><b>M3 Application Specification</b><br>Condition: HLS loop<br>Fixed data: "S"<br><br>Condition: HLO loop<br>Fixed data: "O"<br><br>Condition: HLI loop<br>Fixed data: "I"<br><br>Condition: HLT loop<br>Fixed data: "T"<br><br>Condition: HLP loop<br>Fixed data: "P"<br><b>XPath</b><br>X12856/LOOP_HL_g001/HL/e03_0735 | HL - Hierarchical Level<br>Hierarchical Level Code |
| Segment: <b>LIN</b><br>0234 | <b>C 1</b><br>M AN 4848<br><b>M3 Application Description</b><br>HLI loop:<br>Alias number as Product/Service ID qualifier<br><b>M3 Application Specification</b><br>HLI loop:<br>API dataMI program: MWS410MI Transaction: LstItem Field: POPN,<br>output from sorting structure (SS_HL3).<br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e03_0234<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e05_0234  | LIN - Item Identification<br>Product/Service ID    |



| Group: 1             | C 20000   | Segment Group: 1                                |
|----------------------|---|---|
| Segment: LIN<br>0234 | <b>C 1</b><br>M AN 4848<br><b>M3 Application Description</b><br>HLI loop:<br>Alias number as Product/Service ID qualifier<br><b>M3 Application Specification</b><br>HLI loop:<br>API dataMI program: MWS410MI Transaction: LstItem Field: POPN,<br>output from sorting structure (SS_HL3).<br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e07_0234  | LIN - Item Identification<br>Product/Service ID |
| 0235                 | M AN 2<br><b>M3 Application Description</b><br>HLI loop:<br>'EN' = EAN<br>'UP' = UCC - 12<br><b>M3 Application Specification</b><br>HLI loop:<br>Condition: ALWT equals "02" and AWQ equals "EA13" or "EA08" or<br>"DU14"<br>Fixed data: "EN"<br><br>Condition: ALWT equals "02" and AWQ equals "UPC"<br>Fixed data: "UP"<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e02_0235<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e04_0235<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/LIN/e06_0235 | Product/Service ID Qualifier                    |





| Group: 1            | C 20000   | Segment Group: 1                    |
|---------------------|---|-------------------------------------|
| Segment: <b>MAN</b> | <b>C 9999999</b>  | MAN - Marks and Numbers Information |
| 0087                | M AN 48   | Marks and Numbers                   |
|                     | <b>M3 Application Description</b>   |                                     |
|                     | HLT loop:   |                                     |
|                     | SSCC-number or Package number as Marks and Numbers  |                                     |
|                     | HLP loop:   |                                     |
|                     | SSCC or package number for inner package as Marks and numbers   |                                     |
|                     | <b>M3 Application Specification</b>   |                                     |
|                     | HLT-loop:   |                                     |
|                     | Condition: SSCC not equals blank  |                                     |
|                     | API dataMI program: MWS410MI Transaction: GetPackage Field: SSCC                                      |                                     |
|                     | else  |                                     |
|                     | PAll, output from sorting structure (SS_HL3).   |                                     |
|                     | 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.  |                                     |
|                     | <b>XPath</b>  |                                     |
|                     | <i>X12856/LOOP_HL_g001/MAN/e02_0087</i>   |                                     |

| Group: 1            | C 20000   | Segment Group: 1                           |
|---------------------|---|--|
| Segment: <b>MAN</b> | <b>C 9999999</b>  | MAN - Marks and Numbers Information        |
| 0088                | M AN 2  | Marks and Numbers Qualifier                |
|                     | <b>M3 Application Description</b><br>HLT loop:<br>'UC' = SSCC-14<br><br>HLP loop:<br>'UC' = SSCC-14<br><br><b>M3 Application Specification</b><br>HLT-loop:<br>API call: MWS410MI/GetPackage<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field: PANR: SS_HL3 output field PAll<br><br>HLP-loop:<br>Fixed data: "UC"<br><br><b>XPath</b><br><i>X12856/LOOP_HL_g001/MAN/e01_0088</i>   |  |
| Segment: <b>PAL</b> | <b>C 1</b>  | PAL - Pallet Type and Load Characteristics |
| 0883                | C AN 2  | Pallet Type Code                           |
|                     | <b>M3 Application Description</b><br>HLT loop:<br>Packaging as Pallet type code<br><b>M3 Application Specification</b><br>HLT-loop:<br>API dataMI program: MWS410MI Transaction: GetPackage Field: PACT<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/PAL" Data element: "e01_0883" Movex table: "MITPAC" Movex field: "M4PACT"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PAL/e01_0883</i> |  |



| Group: 1             | C 20000  | Segment Group: 1                      |
|----------------------|--|---------------------------------------|
| Segment: PO4<br>0065 | <b>C 1</b><br>C N 8<br><b>M3 Application Description</b><br>HLP loop:<br>Package height as Height<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: GetPackage Field:<br>PACH<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e12_0065</i>  | PO4 - Item Physical Details<br>Height |
| 0082                 | C N 8<br><b>M3 Application Description</b><br>HLP loop:<br>Packaging length as Length<br><b>M3 Application Specification</b><br>HLP loop:<br>API call: MWS410MI/GetPackage<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field PANR: PANR, output from sorting structure.<br><br>API dataMI program: MWS410MI Transaction: GetPackage Field:<br>PACL<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e10_0082</i>   | Length                                |
| 0103                 | C AN 5<br><b>M3 Application Description</b><br>HLP loop:<br>Packaging as Packaging code<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: LstItemPackages Field:<br>PACT, output from sorting structure (SS_HL3).<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent<br>elements: "g001/PO4" Data element: "e04_0103" Movex table:<br>"MITPAC" Movex field: "M4PACT"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e04_0103</i> | Packaging Code                        |

| Group: 1             | C 20000  | Segment Group: 1                              |
|----------------------|--|---|
| Segment: PO4<br>0103 | <b>C 1</b><br>C AN 5<br><b>M3 Application Description</b><br>HLP loop:<br>Packaging as Packaging code<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: LstItemPackages Field: PACT, output from sorting structure (SS_HL3).<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/PO4" Data element: "e04_0103" Movex table: "MITPAC" Movex field: "M4PACT"<br><b>XPath</b><br>X12856/LOOP_HL_g001/PO4/e04_0103 | PO4 - Item Physical Details<br>Packaging Code |
| 0189                 | <b>C N 8</b><br><b>M3 Application Description</b><br>HLP loop:<br>Package width as Width<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: GetPackage Field: PACW<br><b>XPath</b><br>X12856/LOOP_HL_g001/PO4/e11_0189   | Width   |
| 0355                 | <b>C AN 2</b><br><b>M3 Application Description</b><br>HLP loop:<br>Unit of measurement<br><b>M3 Application Specification</b><br>HLP loop:<br>Fixed data: "CM"<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/PO4" Data element: "e13_0355" Movex table: "n/a" Movex field: "n/a"<br><b>XPath</b><br>X12856/LOOP_HL_g001/PO4/e13_0355  | Unit or Basis for Measurement<br>Code         |



| Group: 1                    | C 20000  | Segment Group: 1  |
|-----------------------------|--|---|
| Segment: <b>PO4</b><br>0355 | <b>C 1</b><br>C AN 2<br><br><b>M3 Application Description</b><br>Unit of measurement<br><b>M3 Application Specification</b><br>HLP loop:<br>Fixed data: "KG"<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/PO4" Data element: "e07_0355" Movex table: "n/a" Movex field: "n/a"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e07_0355</i> | PO4 - Item Physical Details<br>Unit or Basis for Measurement Code |
| 0356                        | C N0 6<br><br><b>M3 Application Description</b><br>HLP loop:<br>Delivered quantity as Number of eaches<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: LstItemPackages<br>Field: DLQA, output from sorting structure (SS_HL3).<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e01_0356</i>   | Pack  |
| 0384                        | C N 9<br><br><b>M3 Application Description</b><br>Gross weight as Gross weight per pack<br><b>M3 Application Specification</b><br>HLP loop:<br>API dataMI program: MWS410MI Transaction: LstItemPackages Field: GRWE, output from sorting structure.<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PO4/e06_0384</i>  | Gross Weight per Pack   |



| Group: 1             | C 20000   | Segment Group: 1  |
|----------------------|---|---|
| Segment: PRF<br>0324 | C 1<br>M AN 22<br><b>M3 Application Description</b><br>HLO loop:<br>Customer's order number as Purchase order number<br><b>M3 Application Specification</b><br>HLO loop:<br><br><br>API dataMI program: MWS410MI Transaction: LstItem Field: CUOR<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PRF/e01_0324</i>  | PRF - Purchase Order Reference<br>Purchase Order Number |
| 0373                 | C AN 8<br><b>M3 Application Description</b><br>HLO loop:<br>Customers purchase order date as Purchase order date<br><b>M3 Application Specification</b><br>HLO loop:<br><br><br>API call: MWS410MI/LstPackageLine<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field PDSO: "3"<br>Input field PANR: PANR, output from SS_HL3<br>Input field ITNO: ITNO, output from SS_HL3<br>If more than one occurrence, use RIDN from the last occurrence<br><br>API call: OIS100MI/GetHead<br>Input field CONO: CONO<br>Input field ORNO: MWS410MI/LstPackageLine Output field:RIDN<br><br>API dataMI program: OIS100MI Transaction: GetHead Field: CUDT<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/PRF/e04_0373</i> | Date  |

| Group: 1             | C 200000   | Segment Group: 1  |
|----------------------|--|---|
| Segment: REF<br>0127 | <b>C 9999999</b><br>C AN 50<br><b>M3 Application Description</b><br>HLS loop:<br>Shipment as 'BM' = Bill of lading number<br>Delivery document number as 'CN' = Carriers reference number<br><br>HLO loop:<br>'IA' = Internal vendor number<br><b>M3 Application Specification</b><br>HLS loop:<br>Condition e01_0128 equals "BM"<br>API dataMI program: MWS410MI Transaction: GetHead Field: CONN<br><br>Condition e01_0128 equals "CN"<br>API dataMI program: MWS410MI Transaction: GetHead Field: FDNO<br><br>HLO loop:<br>Condition e01_0128 equals "IA"<br>Condition: if CUSU not equal blank<br>API data: MI Program: MWS410MI Transaction: GetHead Field:CUSU<br><br>Condition: if CUSU equal blank<br>API call: MWS410MI/GetAdr<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field ADRT: '01'<br><br>API call: CRS886MI/CnvPtrQual<br>Input field CONO: MovexBusinessMessageInitiator/MessageKeys/<br>MessageKey1/Value CONO<br>Input field PCTG: "01"<br>Input field PAID: MovexBusinessMessageInitiator/MessageKeys/<br>MessageKey2/Value DIVI<br>Input field QCTG: "11"<br>Input field QPAI: MWS410MI Transaction: GetAdr Output Field: CONA<br>Input field PAAC: "31"<br>API data: MI Program: CRS886MI Transaction: CnvPtr Field: PAAL<br>Note: If NOK then use DIVI.<br><b>M3 Data Translation</b><br>Condition e01_0128 equals "IA"<br>Message standard: "X12" Version: "5010" Message: "856" Parent<br>elements: "g001/REF" Data element: "e02_0127" Condition element:<br>"e01_0128" Condition data: "IA" Movex table: "" Movex field: ""<br><b>XPath</b> | REF - Reference Information<br>Reference Identification |



| Group: 1             | C 20000  | Segment Group: 1  |
|----------------------|--|---|
| Segment: REF<br>0127 | <b>C 9999999</b><br>C AN 50<br><b>M3 Application Description</b><br>HLS loop:<br>Shipment as 'BM' = Bill of lading number<br>Delivery document number as 'CN' = Carriers reference number<br><br>HLO loop:<br>'IA' = Internal vendor number<br><i>X12856/LOOP_HL_g001/REF/e02_0127</i>   | REF - Reference Information<br>Reference Identification |
| 0128                 | M AN 3<br><b>M3 Application Description</b><br>HLS loop:<br>'BM' = Bill of Lading number or UCB = EAN.USS Bill of Lading number<br>'CN' = Carriers reference number (PRO/ Invoice)<br>'CR' = Customer reference number<br>'AO' = Appointment number<br><br>HLO loop:<br>'IA' = Internal vendor number<br><br><br>'IV' = Seller's invoice number<br><b>M3 Application Specification</b><br>HLS loop:<br>Fixed data: "BM" or "UCB" or "CN" or "CR" or "AO"<br><br>HLO loop:<br>Fixed data: "VN" or "IV"<br><br><b>XPath</b><br><i>X12856/LOOP_HL_g001/REF/e01_0128</i> | Reference Identification Qualifier                      |



| Group: 1                    | C 20000   | Segment Group: 1  |
|-----------------------------|---|---|
| Segment: <b>SN1</b><br>0355 | <b>C 1</b><br>M AN 2  | SN1 - Item Detail (Shipment)<br>Unit or Basis for Measurement<br>Code |
|                             | <b>M3 Application Description</b><br>Alternate u/m as Unit of measurement<br><b>M3 Application Specification</b><br>HLI loop:<br>API dataMI program: MWS410MI Transaction: LstItem Field: ALUN,<br>output from sorting structure (SS_HL3).<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent<br>elements: "g001/SN1" Data element: "e03_0355" Movex table:<br>"OOLINE" Movex field: "OBALUN"<br><b>XPath</b><br>X12856/LOOP_HL_g001/SN1/e03_0355 |   |
| 0382                        | M N 10  | Number of Units Shipped   |
|                             | <b>M3 Application Description</b><br>HLI loop:<br>Delivered quantity as Number of units shipped<br><b>M3 Application Specification</b><br>HLI loop:<br>API dataMI program: MWS410MI Transaction: LstItem Field: DLQA,<br>output from sorting structure (SS_HL3).<br><b>XPath</b><br>X12856/LOOP_HL_g001/SN1/e02_0382  |   |
| Segment: <b>TD1</b><br>0080 | <b>C 20</b><br>C NO 7   | TD1 - Carrier Details (Quantity<br>and Weight)<br>Lading Quantity     |
|                             | <b>M3 Application Description</b><br>Number of packages as Lading quantity<br><b>M3 Application Specification</b><br>HLS loop:<br>Calculated data;<br>Number of packages per package type and package level 0<br>.<br><b>XPath</b><br>X12856/LOOP_HL_g001/TD1/e02_0080  |   |



| Group: 1            | C 20000  | Segment Group: 1                            |
|---------------------|--|---|
| Segment: <b>TD1</b> | <b>C 20</b>  | TD1 - Carrier Details (Quantity and Weight) |
| 0081                | C N 10   | Weight                                      |
|                     | <b>M3 Application Description</b>                                      |   |
|                     | HLS loop:  |   |
|                     | Aggregated gross weight as Gross weight                                |   |
|                     | <b>M3 Application Specification</b>                                    |   |
|                     | HLS loop:  |   |
|                     | Aggregated GRWE from sorting structure (summarized GRWE per packaging) |   |
|                     | <b>XPath</b>   |   |
|                     | <i>X12856/LOOP_HL_g001/TD1/e07_0081</i>                                |   |



| Group: 1            | C 20000  | Segment Group: 1                            |
|---------------------|--|---|
| Segment: <b>TD1</b> | <b>C 20</b>  | TD1 - Carrier Details (Quantity and Weight) |
| 0103                | C AN 5<br><b>M3 Application Description</b><br>HLS-loop:<br>Packaging as Packaging code<br><b>M3 Application Specification</b><br>HLS-loop:<br>API call: MWS410MI/LstPackages<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field PACO: "0"<br>Input field PASO: "4"<br><br>For each record received from LstPackages<br>API call: MWS410MI/GetPackage<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field PANR: PANR, output from LstPackages.<br><br>Add result to sorting structure (SS_TD)<br><br>Write one TD1 record per unique PACT, summarize gross weight and number of packages for each package type.<br><br>API dataMI program: MWS410MI Transaction: LstPackages Field: PACT<br><br><b>M3 Data Translation</b><br>Condition: g001/HL/e03_0735 equals "S"<br><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD1" Data element: "e01_0103" Condition element: "e03_0375" Condition data: "S" Movex table: "MITPAC" Movex field: "M4PACT"<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/TD1/e01_0103 | Packaging Code                              |

| Group: 1            | C 20000   | Segment Group: 1                            |
|---------------------|---|---|
| Segment: <b>TD1</b> | <b>C 20</b>   | TD1 - Carrier Details (Quantity and Weight) |
| 0183                | C N 8<br><b>M3 Application Description</b><br>HLS loop:<br><br>Aggregated volume as Volume<br><b>M3 Application Specification</b><br>HLS loop:<br><br>Aggregated VOL3 from sorting structure (summarized VOL3 per packaging)<br><b>XPath</b><br>X12856/LOOP_HL_g001/TD1/e09_0183  | Volume                                      |
| 0187                | C AN 2<br><b>M3 Application Description</b><br>'G' = Gross weight<br><b>M3 Application Specification</b><br>HLS loop:<br><br>Fixed data: "G"<br><b>XPath</b><br>X12856/LOOP_HL_g001/TD1/e06_0187  | Weight Qualifier                            |
| 0355                | C AN 2<br><b>M3 Application Description</b><br>'CR' = Cubic meter<br><b>M3 Application Specification</b><br>Fixed data: "CR"<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD1" Data element: "e10_0355" Movex table: "OOLINE" Movex field: "OBALUN"<br><b>XPath</b><br>X12856/LOOP_HL_g001/TD1/e10_0355 | Unit or Basis for Measurement Code          |

| Group: 1            | C 20000  | Segment Group: 1                                      |
|---------------------|--|---|
| Segment: <b>TD1</b> | <b>C 20</b>  | TD1 - Carrier Details (Quantity and Weight)           |
| 0355                | C AN 2   | Unit or Basis for Measurement Code                    |
|                     | <b>M3 Application Description</b><br>'KG' = Kilograms<br><b>M3 Application Specification</b><br>Fixed data: "KG"<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD1" Data element: "e08_0355" Movex table: "OOLINE" Movex field: "OBALUN"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/TD1/e08_0355</i>   |   |
| Segment: <b>TD5</b> | <b>C 12</b>  | TD5 - Carrier Details (Routing Sequence/Transit Time) |
| 0066                | C AN 2   | Identification Code Qualifier                         |
|                     | <b>M3 Application Description</b><br>HLS loop:<br><br>'2' = Standard carrier alpha code<br><b>M3 Application Specification</b><br>HLS loop:<br><br>Fixed data: "2"<br><b>M3 Data Translation</b><br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD5" Data element: "e02_0066" Movex table: "n/a" Movex field: "n/a"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/TD5/e02_0066</i> |   |

| Group: 1            | C 20000   | Segment Group: 1                                      |
|---------------------|---|---|
| Segment: <b>TD5</b> | <b>C 12</b>   | TD5 - Carrier Details (Routing Sequence/Transit Time) |
| 0067                | C AN 80   | Identification Code                                   |
|                     | <b>M3 Application Description</b>   |   |
|                     | HLS loop:   |   |
|                     | Forwarding agent as Identification code   |   |
|                     | <b>M3 Application Specification</b>   |   |
|                     | HLS loop:   |   |
|                     | API call: Mws410MI/GetHead  |   |
|                     | Input field CONO: CONO  |   |
|                     | Input field DLIX: DLIX  |   |
|                     | API dataMI program: MWS410MI Transaction: GetHead Field: FWNO   |   |
|                     | <b>M3 Data Translation</b>  |   |
|                     | Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD5" Data element: "e03_0067" Movex table: "CIDMAS" Movex field: "IDSUNO" |   |
|                     | <b>XPath</b>  |   |
|                     | <i>X12856/LOOP_HL_g001/TD5/e03_0067</i>   |   |
| 0091                | C AN 2  | Transportation Method/Type Code                       |
|                     | <b>M3 Application Description</b>   |   |
|                     | HLS loop:   |   |
|                     | Delivery method as Transportation method/type code  |   |
|                     | <b>M3 Application Specification</b>   |   |
|                     | HLS loop:   |   |
|                     | API dataMI program: MWS410MI Transaction: GetHead Field: MODL   |   |
|                     | <b>M3 Data Translation</b>  |   |
|                     | Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g001/TD5" Data element: "e04_0091" Movex table: "OOHEAD" Movex field: "OAMODL" |   |
|                     | <b>XPath</b>  |   |
|                     | <i>X12856/LOOP_HL_g001/TD5/e04_0091</i>   |   |

| Group: 1            | C 20000   | Segment Group: 1                                      |
|---------------------|---|---|
| Segment: <b>TD5</b> | <b>C 12</b>   | TD5 - Carrier Details (Routing Sequence/Transit Time) |
| 0133                | C AN 2  | Routing Sequence Code                                 |
|                     | <b>M3 Application Description</b>   |   |
|                     | HLS loop:   |   |
|                     | 'B' = Origin/delivery carrier   |   |
|                     | <b>M3 Application Specification</b>   |   |
|                     | HLS loop:   |   |
|                     | Fixed data: "B"   |   |
|                     | <b>XPath</b>  |   |
|                     | X12856/LOOP_HL_g001/TD5/e01_0133  |   |
| Group: 2            | C 12  | Segment Group: 2                                      |
| Segment: <b>TD3</b> | <b>C 1</b>  | TD3 - Carrier Details (Equipment)                     |
| 0040                | C AN 2  | Equipment Description Code                            |
|                     | <b>M3 Application Description</b>   |   |
|                     | HLS loop: Transportation equipment as Equipment description code  |   |
|                     | <b>M3 Application Specification</b>   |   |
|                     | HLS loop: API dataMI program: MWS410MI Transaction: GetHead   |   |
|                     | Field: TRCA   |   |
|                     | <b>M3 Data Translation</b>  |   |
|                     | Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g002/TD3" Data element: "e01_0040" Movex table: "n/a" Movex field: "n/a" |   |
|                     | <b>XPath</b>  |   |
|                     | X12856/LOOP_HL_g001/LOOP_TD3_g002/TD3/e01_0040  |   |
| 0206                | C AN 4  | Equipment Initial                                     |
|                     | <b>M3 Application Description</b>   |   |
|                     | HLS loop: Transport identity as Equipment initial   |   |
|                     | <b>M3 Application Specification</b>   |   |
|                     | HLS loop: API dataMI program: MWS410MI Transaction: GetHead   |   |
|                     | Field: E0B4   |   |
|                     | <b>M3 Data Translation</b>  |   |
|                     | Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g002/TD3" Data element: "e02_0206" Movex table: "n/a" Movex field: "n/a" |   |
|                     | <b>XPath</b>  |   |
|                     | X12856/LOOP_HL_g001/LOOP_TD3_g002/TD3/e02_0206  |   |



| Group: 2                    | C 12  | Segment Group: 2   |
|-----------------------------|---|--|
| Segment: <b>TD3</b><br>0207 | <b>C 1</b><br>C AN 15<br><b>M3 Application Description</b><br>HLS loop: Trailer registration number as Equipment number<br><b>M3 Application Specification</b><br>HLS loop: API dataMI program: MWS410MI Transaction: GetHead<br>Field: E0BH<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/LOOP_TD3_g002/TD3/e03_0207</i> | TD3 - Carrier Details (Equipment)<br>Equipment Number      |
| Group: 5                    | C 200   | Segment Group: 5   |
| Segment: <b>N1</b><br>0066  | <b>C 1</b><br>C AN 2<br><b>M3 Application Description</b><br>'UL' = Global location number<br><b>M3 Application Specification</b><br>HLS loop:<br>Condition: g005/N1 e01_0098 equals "ST"<br>Fixed data: "UL"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/LOOP_N1_g005/N1/e03_0066</i>                                  | N1 - Party Identification<br>Identification Code Qualifier |



| Group: 5                   | C 200   | Segment Group: 5                                 |
|----------------------------|---|--|
| Segment: <b>N1</b><br>0067 | <b>C 1</b><br>C AN 80<br><b>M3 Application Description</b><br>'ST' = Consignor as Ship to 'SU' = Division as Supplier/manufacturer<br><b>M3 Application Specification</b><br>HLS loop:<br>Condition: e01_0098 equals "ST"<br>API call: MWS410MI/GetAdr<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field ADRT: '11'<br><br>API call: CRS886MII/CvtPtr<br>Input field CONO: CONO<br>Input field PCTG: '12'<br>Input field PAID: MWS410MI/GetAdr Output field: CONA<br>Input field PAI1: MWS410MI/GetAdr Output field: COAA<br>Input field PAAC: '22'<br>API dataMI program: CRS886MI Transaction:CvtPtr Field: PAAL<br>Condition if PAAL equals blank use COAA<br><br>Condition: e01_0098 equals "SU"<br>API call: MWS410MI/GetAdr<br>Input field CONO: CONO<br>Input field DLIX: DLIX<br>Input field ADRT: '01'<br><br><b>M3 Data Translation</b><br>Condition e01_0098 equals "ST"<br>Message standard: "X12" Version: "5010" Message: "856" Parent elements: "g005/N1" Data element: "e04_0067" Condition element: "e01_0098" Condition data: "ST" Movex table: "OCUSAD" Movex field: "OPADID"<br><br><b>XPath</b><br>X12856/LOOP_HL_g001/LOOP_N1_g005/N1/e04_0067 | N1 - Party Identification<br>Identification Code |



| Group: 5            | C 200  | Segment Group: 5                  |
|---------------------|--|-----------------------------------|
| Segment: N1<br>0093 | <b>C 1</b><br>C AN 60<br><b>M3 Application Description</b><br>Name as Name<br><b>M3 Application Specification</b><br>HLS loop:<br>Condition: e01_0098 equals "ST" or "SU"<br>API dataMI program: MWS410MI Transaction: GetAdr Field: NAME<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/LOOP_N1_g005/N1/e02_0093</i> | N1 - Party Identification<br>Name |
| 0098                | M AN 3<br><b>M3 Application Description</b><br>'ST' = Ship to 'SF' = Ship from<br><b>M3 Application Specification</b><br>HLS loop: Fixed data: "ST" or "SF"<br><b>XPath</b><br><i>X12856/LOOP_HL_g001/LOOP_N1_g005/N1/e01_0098</i>   | Entity Identifier Code            |