



# MISC Interface Guide

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Version 4.2

## Document Revision History

### Project Contacts

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## Objectives

### Business

Provide increased efficiency and service to Motion’s customers through system to system interaction with our key suppliers for purposes, such as:

- Item Availability
- Order Submit
- Order Status
- Product Search

### System

- Provide a flexible architecture for system to system interaction with multiple suppliers.
- Provide transaction response times within specified requirements.
- Implement point-to-point connection with the supplier’s system.

## Scope

MI Supplier Connect connects the Motion System directly to a vendor’s order fulfillment system using transaction-based processing via a program-to-program architecture. Functionality includes Ping, Item Availability, Order Submit, Order Status and Product Search.

### Supplier Locations

Motion provides the supplier a table of Location Numbers from the Motion system for use when returning Item Availability information to the Motion System. By design, the Motion system references the Motion Location Number (located in the Order Submit Send transaction in the Header Section) when sending orders to the Supplier System via the MI Supplier Connect Interface. The Supplier Location Numbers are then loaded, left-justified, into the existing SUPPLIER\_LOCATION fields in the Item Availability Reply transaction that Motion receives from the supplier’s system.

## Users

The MI Supplier Connect function is limited to users who require information on item availability and price on a Key Supplier's order fulfillment system, typically a Motion Industries' branch or distribution center personnel.

## Performance

| Transaction       | Acceptable maximum response time (seconds) | Comments    |
|-------------------|--------------------------------------------|-------------|
| Ping              | <2                                         | Requirement |
| Item Availability | <2                                         | Requirement |
| Order Submit      | <5                                         | Requirement |
| Order Status      | <5                                         | Requirement |
| Product Search    | <5                                         | Requirement |

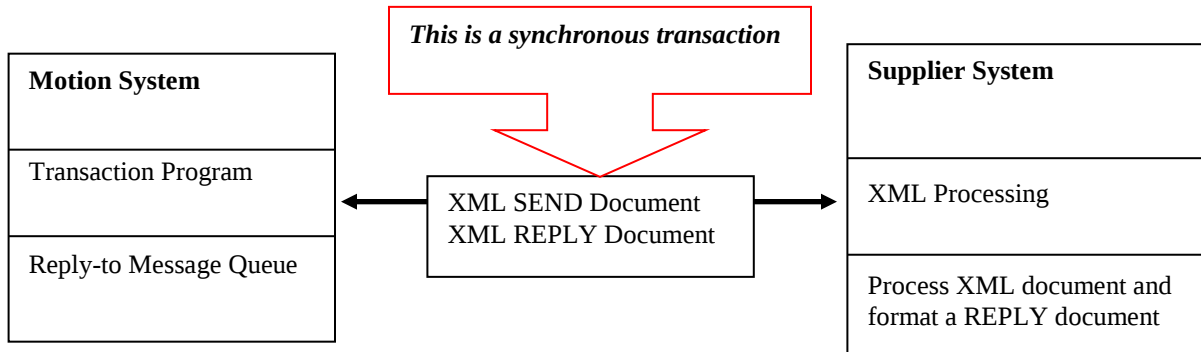
## Security

- **Top Secret** is the security application set up on the Motion System.
- Each supplier is responsible for setting up its own transaction level security application.

## Terminology

1. **Motion System:** Motion Industries' order processing, purchasing and inventory management software that exists on the S/390 mainframe system in Birmingham, which runs both Production and Development environments.
2. **User:** An individual, typically MI Branch or DC personnel, who uses the Motion System.
3. **DC:** Motion Distribution Centers located across the country.
4. **OCN:** Refers to the **Order Control Number** the Motion system uses to track customer orders.
5. **Supplier:** Any Supplier participating in the MI Supplier Connect program with Motion Industries.
6. **Supplier System:** The Supplier's system(s), including the order fulfillment system, the interfacing system, inventory system, etc.
7. **MI Supplier Connect:** Motion Industries' initiative to connect its Order Processing system to its key Suppliers' Order Fulfillment systems.
8. **System Test:** The testing phase between Motion and the supplier, in which a tester on the Motion Development system attempts to send transactions to the development environment on the supplier's system. Successful completion of the System Test typically leads to the initiation of the Pilot Test. The following details will be checked during the system test:
  - Program executes correctly
  - Data accuracy
  - Response time
9. **Pilot Test:** The initial production rollout of the MI Supplier Connect interface for a supplier. The availability of the interface is limited to a small number of Motion branches (for example, ten) and typically lasts for one week depending on the type of transaction being tested.
10. **XML:** Stands for Extensible Markup Language created to structure, store and transport information that is wrapped in Motion defined tags. A Motion programmer writes a piece of software to send, receive, or display it.

## XML FLOW



## Overview

### **Motion System**

The Motion System **sends** an XML document containing a Supplier Connect Transaction (PING, ITEM AVAILABILITY, ORDER SUBMIT, ORDER STATUS or PRODUCT SEARCH) in the form of an XML SEND document. The Motion System always initiates the exchange of XML documents. Then, for a specified period of time, the Motion system waits for a REPLY XML document from the supplier. If a REPLY XML document is not received in the specified amount of time, the transaction ends and the Motion System generates an error.

### **Supplier System**

The Supplier provides an available URL address at which to **receive** the XML SEND document. Once received, the supplier's system retrieves the data from the XML document and begins an interactive, synchronous process to create a REPLY XML document containing the required data. The Supplier's system never initiates an XML conversation; it only REPLIES to a corresponding SEND document.

## **XML TRANSACTION LAYOUTS**

### **XML Transactions**

#### **General Assumptions**

- All transactions must be TLS 1.2 compliant at the server level.
- The Supplier URL address is UPPERCASE and less than 78 Characters
- Encoding is set to "ISO-8859-1"
- Data is posted to the supplied URL as String Data
- A single URL is used for all 5 transaction types
- It is a synchronous connection
- Motion always initiates the transaction

- The URL is a secure URL starting with https:// (If possible, please use port 443)
- The entire order is either accepted or rejected – if the order is rejected, please send a “1” in the <REPLY\_CODE> field
- The Supplier, regardless of method transmitted (Supplier Connect, EDI, fax or phone), verifies each purchase order sent is not a duplicate

## Numeric Formatting

1. No negative values
  2. No commas
  3. All fields are defined as character (string) fields – transactions do not support packed data
  4. The maximum quantity allowed is 999999999
  5. The maximum amount allowed is \$9,999,999.9999 (Please note the Motion system only recognizes a maximum of 3 decimals)
- **XML transactions:**
    - a) **No leading and/or trailing zeros** added to quantity or amount fields in any Supplier Connect transactions both SEND and REPLY
    - b) All currency **amount** fields require a decimal point. Format as follows:
      - \$3.59: <UNIT\_PRICE>**3.59**</UNIT\_PRICE>
      - \$5,239.4442: <UNIT\_PRICE>**5239.4442**</UNIT\_PRICE>
      - \$.3923: <UNIT\_PRICE>**.3923**</UNIT\_PRICE>
    - c) All **quantity** fields are whole numbers. Decimal points are **NOT** allowed for quantity. Format as follows:
      - Quantity – 235: <QTY\_AVL>**235**</QTY\_AVL>
      - Quantity – zero: <QTY\_AVL>**0**</QTY\_AVL>
      - Quantity – 5: <QTY\_AVL>**5**</QTY\_AVL>
      - Quantity – 2,944: <QTY\_AVL>**2944**</QTY\_AVL>
      - Quantity – 999,999,999: <QTY\_AVL>**999999999**</QTY\_AVL>

## Canada & Mexico

1. Typically, U.S. Branches view U.S. Locations, Canada Branches view Canadian Locations and Mexican Branches view Mexico Locations.
2. All Canadian transactions are in Canadian Dollars, unless otherwise stated by the Supplier.

## Ship Method Codes

Every Supplier Connect supplier is required to support each of the following Motion Ship Method Codes.

|    |                      |
|----|----------------------|
| AF | AIR FREIGHT          |
| CD | CUST. PICK-UP AT DC  |
| CF | CUST.PICKUP SUPPLIER |
| CO | COURIER              |
| CP | CUST.PICK-UP BRANCH  |
| DS | DIRECT SHIP          |
| FA | FREIGHT ALLOWED      |
| MF | MOTOR FREIGHT        |
| MS | MI PICKUP- SUPPLIER  |
| MT | MI RED TRUCK         |
| OT | OUR TRUCK            |
| SD | SALESPERSON DELIVERY |
| WC | WILL CALL            |

**Note:**

The Carrier Code will be blank and you can ignore the FOB Code for the following Ship Method codes.

- CD (Customer pick-up at DC)
- CF (Customer pick-up at Supplier)
- CO (Courier)
- CP (Customer pick-up at branch or distribution center)
- MS (MI pick-up at Supplier)
- MT (MI Red Truck)
- OT (Our Truck)
- WC (Will Call)

## FOB Codes

All Supplier Connect suppliers are requested to support the following Motion FOB Codes:

**CB - FOB Origin, Freight UPS Consignee Billing** Buyer owns the material when it leaves seller dock, pays freight charges, and files claim. CB is valid only when the carrier is UPS.

**DA – FOB Destination, Freight C & A (Collect and Allow)** which means the seller owns the material while it is in-transit, the seller bears the freight charges and files the claims. The buyer pays the freight charges.

**DB—FOB Destination, Freight Prepaid & Add** The shipper owns the goods until they are delivered to point of destination or delivery. Shipper pays the freight carrier for the freight charges and charges back to buyer (receiver) on the invoice with material charges. Shipper would file the claim.

**DC – FOB Destination, Freight Collect** which means the seller owns the material while it is in-transit and files any claims. The buyer bears and pays the freight charges.

**DD – FOB Destination, Delivered** which means the seller owns the material while it is in-transit, bears the freight charges, files any claims, and pays the freight charges.  
(**Note:** This FOB Code is no longer used on the Motion system).

**DP – FOB Destination, Prepaid** which means the sellers owns the material while it is in-transit, bears the freight charges, files any claims, and pays the freight charges.

**DT—FOB Destination, Freight Third-Party Bill** The shipper owns the goods until they are delivered to the point of destination or delivery. The freight charges are billed to a Third-Party (someone other than the shipper or receiver of the freight). Third-Party files the claim.

**OB – FOB Origin, Freight Charge Back** which means the buyer owns the material when it leaves the vendor's dock, bears the freight, and files any claims. The seller pays the freight charges and adds the freight amount to their invoice to collect from the buyer.

**OC – FOB Origin, Freight Collect**, which means the buyer owns the material when it leaves the vendor's dock, bears the freight charges, pays the freight charges, and files any claims.

**OP – FOB Origin, Freight Prepaid** which means the buyer owns the material when it leaves the vendor's dock and files any claims. The seller bears and pays the freight.

**OT – FOB Origin, Freight 3Rd Party** which means the buyers owns the material when it leaves the vendor's dock, files any claims, bears and pays the freight

FO- FOB FREE ON BOARD

## Ping Transactions

Motion Industries uses the **Ping** transaction (or Pings) to determine the availability of the supplier's system to the MI Supplier Connect interface. Motion pings at scheduled intervals (for example, once every morning, every two hours, etc.) and also pings on-demand as needed. **Note to Supplier:** In the case of a Ping transaction, do not validate the MI\_LOCATION field against your Customer Cross-Reference table as this field may contain values such as DP03, DP04, DP07, SC01 or other non-valid Motion branches. Please, ignore this value.

| System Availability (PING_SEND) |       |     |                                                                  |              |              |     |            |                                                   |
|---------------------------------|-------|-----|------------------------------------------------------------------|--------------|--------------|-----|------------|---------------------------------------------------|
| Motion Internal Use Only        |       |     | Supplier Information                                             |              |              |     |            |                                                   |
| Field Name                      | Start | End | Description                                                      | XML TAG NAME | Field Length | REQ | Max Occurs | Comments                                          |
| TRTYPE                          | 1     | 1   | transaction type                                                 | <PING_SEND>  | 1            | Y   | 1          | Transaction identifying tag                       |
| Transaction ID                  |       |     | System generated number                                          | <TRAN_ID>    | 26           | Y   | 1          | Must be sent in the reply and must match the send |
| MI_LOCATION                     | 2     | 5   | Location (MI Branch or distribution center ID) (example: 'AL00') | <MILOC>      | 4            | Y   | 1          | DO NOT validate this information.                 |
| PING_DATE                       | 6     | 13  | Date Ping was sent MMDDYYYY                                      | <TRANDATE>   | 8            | Y   | 1          | Format: MMDDYYYY                                  |
| PING_TIME                       | 14    | 19  | Time Ping was sent HHMMSS                                        | <TRANTIME>   | 6            | Y   | 1          | Format: HHMMSS                                    |
| COUNTRY_CODE                    | 20    | 20  | 1=US<br>2=CANADA,<br>3=Mexico                                    | <COUNTRY>    | 1            | Y   | 1          | 1=US, 2=Canada,3=Mexico                           |

| System Availability (PING_REPLY) |       |     |                                                                  |              |              |     |            |                                                   |
|----------------------------------|-------|-----|------------------------------------------------------------------|--------------|--------------|-----|------------|---------------------------------------------------|
| Motion Internal Use Only         |       |     | Supplier Information                                             |              |              |     |            |                                                   |
| Field Name                       | Start | End | Description                                                      | XML TAG NAME | Field Length | REQ | Max Occurs | Comments                                          |
| TRTYPE                           | 1     | 1   | transaction type                                                 | <PING_REPLY> | 1            | Y   | 1          | Transaction identifying tag                       |
| Transaction ID                   |       |     | Auto generated number                                            | <TRAN_ID>    | 26           | Y   | 1          | Must be sent in the reply and must match the send |
| MI_LOCATION                      | 2     | 5   | Location (MI Branch or distribution center ID) (example: 'AL00') | <MILOC>      | 4            | Y   | 1          | DO NOT Validate this branch                       |
| PING_DATE                        | 6     | 13  | Date Ping was originally sent MMDDYYYY                           | <TRANDATE>   | 8            | Y   | 1          | MMDDYYYY                                          |
| PING_TIME                        | 14    | 19  | Time Ping was originally sent HHMMSS                             | <TRANTIME>   | 6            | Y   | 1          | HHMMSS                                            |

|            |    |    |                              |              |   |   |   |                       |
|------------|----|----|------------------------------|--------------|---|---|---|-----------------------|
| STATUSCODE | 20 | 20 | Status code for Transaction: | <REPLY_CODE> | 1 | Y | 1 | 0=No Errors, 1=Errors |
|------------|----|----|------------------------------|--------------|---|---|---|-----------------------|

**Sample XML PING\_SEND Document**

```

<PING_SEND xml:lang="en-US">
  <TRAN_ID>1368540077871</TRAN_ID>
  <MILOC>DP03</MILOC>
  <TRANDATE>05142013</TRANDATE>
  <TRANTIME>090007</TRANTIME>
  <COUNTRY>1</COUNTRY>
</PING_SEND>

```

**Sample XML PING\_REPLY Document**

```

<PING_REPLY>
  <TRAN_ID>1368540077871</TRAN_ID>
  <MILOC>DP03</MILOC>
  <TRANDATE>05142013</TRANDATE>
  <TRANTIME>090007</TRANTIME>
  <REPLY_CODE>0</REPLY_CODE>
</PING_REPLY>

```

**Item Availability**

This Item Availability transaction requests the Price and Availability of a single, specific product. Item information is sent to the supplier's system. The supplier validates the data, queries their system and returns the appropriate BRANCH price and quantities available by stocking location. The "Unit Price" sent in the REPLY transaction is considered a quoted price.

**Transaction Information**

- In an Item Availability SEND transaction, Motion provides the Supplier System:
  - 6-digit Location Numbers
  - Four-part identifiers
    - a) UPC Number
    - b) Motion Internal Part (SKU) Number
    - c) MINO Number
    - d) Vendor Part Number (optional)
- When locating a part, the primary identifier is the UPC code – if the supplier does not support UPC Codes, the primary identifier is the Motion Item Number (SKU)
- Consider all part identifiers provided in the SEND transaction before returning an error message (for example, 'PART NOT FOUND')
- In an Item Availability REPLY transaction, the Supplier returns the Motion branch servicing location first, then returns the remaining locations in descending order of priority
- The Supplier provides the unit price (also the Motion purchasing price) for an item in the REPLY transaction – if a purchase order is created from the Item Availability look-up, then that unit price is used on the purchase order

- The Supplier may also provide Quantity Level Price Breaks for an item – if the item has price-breaks, that value displays in the Quantity-Desired field on the Item Availability SEND transaction, so the Supplier can determine the correct Unit Price to send back

For example:

| Quantity Break Level | Unit Price |
|----------------------|------------|
| 1 to 25 items        | 5.00       |
| 26 to 50 Items       | 4.75       |
| 51 or more           | 4.25       |

- If an OEM Code or Quote Number is specified on the Item Availability SEND transaction, then the Supplier REPLIES with the unit price based on the specified code
- In an Item Availability SEND transaction, a zero quantity in the Quantity Desired field is valid —the Supplier system assumes a quantity of 1 if that field displays 0
- The Supplier tracks errors occurring on Item Availability transactions and periodically sends corrections to the Motion Systems Costing and Coding Department

### Price & Item Availability (ITEM\_SEND)

| Motion Internal Use Only |       |     | Supplier Information               |               |              |     |            |                                                                                                                                                                                                                                      |
|--------------------------|-------|-----|------------------------------------|---------------|--------------|-----|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field Name               | Start | End | Description                        | XML TAG NAME  | Field Length | REQ | Max Occurs | Comments                                                                                                                                                                                                                             |
| TRTYPE                   | 1     | 1   | transaction type                   | <ITEM_SEND>   | 1            | Y   | 1          | Transaction identifying tag                                                                                                                                                                                                          |
| Transaction ID           |       |     | System generated number            | <TRAN_ID>     | 26           | Y   | 1          | Must be sent in the reply and must match the send                                                                                                                                                                                    |
| MI_LOCATION              | 2     | 5   | Location (MI Branch)<br>Ex: 'AL01' | <MILOC>       | 4            | Y   | 1          |                                                                                                                                                                                                                                      |
| UPC_CODE                 | 6     | 45  | UPC Code                           | <UPC_NO>      | 40           | N   | 1          | Will be sent if available                                                                                                                                                                                                            |
| ITEM_NUMBER              | 46    | 85  | Motion Internal Item (SKU) Number  | <ITEM_NO>     | 40           | Y   | 1          | This is Motion's 8-digit item number.                                                                                                                                                                                                |
| VP_NUMBER                | 86    | 125 | Vendor (Manufacturer) Part Number  | <VENDOR_PART> | 40           | N   | 1          | <VENDOR_PART> may not contain the true Vendor Part Number-it may contain the UPC Number for the item or it may be blank. This field is controlled by the Motion Costing/Coding Department which determines what this field contains. |
| MINO                     | 126   | 165 | MINO Number                        | <MINO>        | 40           | Y   | 1          |                                                                                                                                                                                                                                      |
| QTY_DESIRED              | 166   | 174 | Quantity Desired                   | <QTY_DESIRED> | 9            | N   | 1          | Value must be greater than or equal to Zero.                                                                                                                                                                                         |
| Unit of Measure          | 175   | 176 | Stocking Unit of Measure           | <STOCK_UOM>   | 2            | N   | 1          |                                                                                                                                                                                                                                      |
| Filler                   | 177   | 196 | Future Use                         | N/A           | 20           | N   |            | SUPPLIERS DISREGARD                                                                                                                                                                                                                  |
| Reference                | 197   | 216 | Miscellaneous Information          | <REFERENCE>   | 20           | N   | 1          |                                                                                                                                                                                                                                      |

|                              |     |     |                                                 |                     |    |   |   |                                                     |
|------------------------------|-----|-----|-------------------------------------------------|---------------------|----|---|---|-----------------------------------------------------|
| OEM_Code                     | 217 | 236 | OEM Pricing Code                                | <OEM_CODE>          | 20 | N | 1 |                                                     |
| Quote_No                     | 237 | 256 | Quote Number                                    | <QUOTE_NO>          | 20 | N | 1 |                                                     |
| Price_Code<br>(Filler)       | 257 | 276 | Future Use                                      | <PRICE_CODE>        | 20 | N | 1 | SUPPLIER DISREGARD                                  |
| Coded_Item                   | 277 | 277 | Blank=This is a<br>Motion Coded item            | <CODE_ITEM>         | 1  | Y | 1 | Blank=Motion Coded Item                             |
| Price_Quote_Re<br>q (Filler) | 278 | 278 | Future Use                                      | <OFFLINE_POR>       | 1  | N | 1 | SUPPLIERS DISREGARD                                 |
| Price_Country                | 279 | 279 | 1=US Dollars 2=CAD<br>Dollars 3=Mexican<br>Peso | <PRICE_COUNTRY<br>> | 1  | Y | 1 | 1=US Dollars, 2=Canadian<br>Dollars, 3=Mexican Peso |

### Item Availability – (ITEM\_REPLY)

| Motion Internal Use Only |       |     | Supplier Information             |                 |              |     |            |                                                                   |
|--------------------------|-------|-----|----------------------------------|-----------------|--------------|-----|------------|-------------------------------------------------------------------|
| Field Name               | Start | End | Description                      | XML TAG NAME    | Field Length | REQ | Max Occurs | Comments                                                          |
| TRTYPE                   | 1     | 1   | transaction type                 | <ITEM_REPLY>    | 1            | Y   | 1          | Transaction identifying tag                                       |
| Transaction ID           |       |     | System generated number          | <TRAN_ID>       | 26           | Y   | 1          | Must be sent in the reply and must match the send                 |
| STATUSCODE               | 2     | 2   | Status code for Transaction:     | <REPLY_CODE>    | 1            | Y   | 1          | 0=No Errors, 1=Errors                                             |
| UNIT_PRICE               | 3     | 13  | Price must be > 0                | <UNIT_PRICE>    | 11           | Y   | 1          | Branch Unit Price                                                 |
|                          |       |     |                                  | <SUP_LOCS>      |              |     | 1          | Supplier Locations - Header Parameter                             |
|                          |       |     |                                  | <SUP_LOC>       |              |     | 10         | Supplier Locations - Detail                                       |
| SUPPLIER_LOCATION1       | 14    | 38  | 6-digit Motion Supplier Location | <SUP_LOC_ID>    | 25           | Y   | 10         | 6-digit Supplier Location Number. Codes will be defined by Motion |
| COUNTRY_CODE1            | 39    | 41  | Country of Supplier Location:    | <COUNTRY_ID>    | 3            | Y   | 10         | USA, CAN, MEX                                                     |
| QTY_AVAILABLE            | 42    | 50  | Available Qty                    | <QTY_AVL>       | 9            | Y   | 10         | Qty Available Must be >= Zero Please check formatting rules       |
| UOM                      | 463   | 465 | Unit of Measure                  | <ITEM_UOM>      | 3            | N   | 10         | Unit of Measure                                                   |
| MESSAGE                  | 384   | 462 | Message/Error from Supplier      | <MESSAGE>       | 79           | N   | 1          | Error/Warning Message                                             |
| QUOTE_NO                 | 493   | 512 | Quote Reference, if Any          | <QUOTE_NO>      | 20           | N   | 1          | Must be loaded prior to transaction in Motion's system            |
| REFERENCE                | 513   | 532 | Miscellaneous Reference Info     | <REFERENCE>     | 20           | N   | 1          | Miscellaneous Reference Information                               |
| Price_Country            | 533   | 533 | Price Country                    | <PRICE_COUNTRY> | 1            | Y   | 1          | 1=US \$,2=Can \$, 3=Peso                                          |
| QTY Break Header         |       |     |                                  | <QTY_BREAKS>    |              | N   | 1          | Only necessary if price breaks available                          |

|                  |     |     |                            |                    |    |   |    |                                          |
|------------------|-----|-----|----------------------------|--------------------|----|---|----|------------------------------------------|
| QTY Break Detail |     |     |                            | <QTY_BREAK>        |    | N | 10 | Only necessary if price breaks available |
| Min_Qty_Break    | 543 | 551 | Min Quantity Break Level 2 | <MIN_QTY>          | 9  | N | 10 | Only necessary if price breaks available |
| Price_Break      | 624 | 634 | Unit Price for Break       | <UNIT_PRICE_BREAK> | 11 | N | 10 | Only necessary if price breaks available |
| Max_Qty_Break    | 734 | 742 | Max Quantity Break Level 1 | <MAX_QTY>          | 9  | N | 10 | Only necessary if price breaks available |

**Sample XML ITEM\_SEND transaction**

```

<ITEM_SEND xml:lang="en-US">
  <TRAN_ID>1368552587439</TRAN_ID>
  <MILOC>AL02</MILOC>
  <UPC_NO>697950055022</UPC_NO>
  <ITEM_NO>12345678</ITEM_NO>
  <VENDOR_PART>697950055022</VENDOR_PART>
  <MINO>00111G86985</MINO>
  <QTY_DESIRED>000000000</QTY_DESIRED>
  <STOCK_UOM>EA</STOCK_UOM>
  <REFERENCE/>
  <OEM_CODE/>
  <QUOTE_NO/>
  <PRICE_CODE/>
  <CODE_ITEM/>
  <OFFLINE_POR/>
  <PRICE_COUNTRY>1</PRICE_COUNTRY>
</ITEM_SEND>

```

**Sample XML ITEM\_REPLY transaction**

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<ITEM_REPLY>
  <TRAN_ID>1368552587439</TRAN_ID>
  <REPLY_CODE>0</REPLY_CODE>
  <UNIT_PRICE>101.7</UNIT_PRICE>
  <SUP_LOCS number="2">
    <SUP_LOC>
      <SUP_LOC_ID>987654</SUP_LOC_ID>
      <COUNTRY_ID>USA</COUNTRY_ID>
      <QTY_AVL>5</QTY_AVL>
      <ITEM_UOM>EA</ITEM_UOM>
    </SUP_LOC>
  </SUP_LOC>

```

```

<SUP_LOC_ID>456789</SUP_LOC_ID>
<COUNTRY_ID>USA</COUNTRY_ID>
<QTY_AVL>54</QTY_AVL>
<ITEM_UOM>EA</ITEM_UOM>
</SUP_LOC>
</SUP_LOCS>
<MESSAGE>Line 2 is invalid</MESSAGE>
<QUOTE_NO/>
<REFERENCE/>
<PRICE_COUNTRY>1</PRICE_COUNTRY>
<QTY_BREAKS>
  <QTY_BREAK>
    <MIN_QTY>1</MIN_QTY>
    <UNIT_PRICE_BREAK>101.7</UNIT_PRICE_BREAK>
    <MAX_QTY>100</MAX_QTY>
  </QTY_BREAK>
  <QTY_BREAK>
    <MIN_QTY>101</MIN_QTY>
    <UNIT_PRICE_BREAK>93.7</UNIT_PRICE_BREAK>
    <MAX_QTY>9999</MAX_QTY>
  </QTY_BREAK>
</QTY_BREAKS>
</ITEM_REPLY>

```

## Order Submit Transaction

The Order Submit transaction submits a Purchase Order to the Supplier system, which the Supplier validates OR if **any** errors occur, rejects the entire order. **The Supplier must verify each purchase order sent is not a duplicate regardless of method transmitted (Supplier Connect, EDI, fax or phone).** The Motion branch may resend a rejected order. Once an order is accepted by the supplier, any changes to the purchase order made by the supplier must be communicated to the branch as soon as possible.

**Note to Supplier:** Please, pay close attention to the carrier code, handle any NEXT DAY or AIR carriers accordingly, and notify the branch if the carrier is not as originally specified.

| ORDER SUBMIT (PO_ORDER_SEND) |       |     |                         |                 |     |              |            |                                                   |
|------------------------------|-------|-----|-------------------------|-----------------|-----|--------------|------------|---------------------------------------------------|
| Motion Internal Use Only     |       |     | Supplier Information    |                 |     |              |            |                                                   |
| Field Name                   | Start | End | Description             | XML TAG NAME    | REQ | Field Length | Max Occurs | Comments                                          |
| TRTYPE                       | 1     | 1   | transaction type        | <PO_ORDER_SEND> | Y   | 1            | 1          | Transaction identifying tag                       |
| Transaction ID               |       |     | System generated number | <TRAN_ID>       | Y   | 26           | 1          | Must be sent in the reply and must match the send |

## MI Supplier Connect – Supplier Interface Guide Version 4.1

|                   |     |     |                                                                                         |                    |   |     |   |                                            |
|-------------------|-----|-----|-----------------------------------------------------------------------------------------|--------------------|---|-----|---|--------------------------------------------|
| MI_LOCATION       | 2   | 5   | Location (MI Branch or Distribution Center ID)                                          | <MILOC>            | Y | 4   | 1 | Ex: 'AL02'                                 |
| CUST_PO_NUMBER    | 6   | 35  | Motion Location-PO Control Number                                                       | <MI_PO_NO>         | Y | 30  | 1 | EX: AL02-00012345                          |
| REFERENCE_NO      | 36  | 60  | Motion Location-Order Control Number (OCN)                                              | <MI_REF_NO>        | N | 25  | 1 | Ex: AL02-123456                            |
| REQUIRED_DATE     | 61  | 68  | Format: MMDDYYYY (Ex: 05302000 is May 30, 2000)                                         | <REQUEST_DATE>     | N | 8   | 1 | Most orders are for immediate delivery     |
| CARRIER           | 69  | 72  | Carrier Codes                                                                           | <CARR_CD>          | N | 4   | 1 | See Carrier Code Table                     |
| FILLER            | 73  | 75  | Filler                                                                                  | N/A                | N | 3   |   | SUPPLIER DISREGARD                         |
| SHIP_METHOD       | 76  | 77  | Ship Method Code                                                                        | <SHIP_METHOD>      | Y | 2   | 1 | See Ship Method Table                      |
| BO_FLAG           | 78  | 78  | Accept Backorders for items                                                             | <ACCEPT_BO>        | N | 1   | 1 | Y=Accepts Backorders                       |
| SHIP_COMPLETE_FLG | 79  | 79  | Y=Entire order quantity must be filled (no partials)                                    | <SHIP_COMPLETE>    | N | 1   | 1 | Y=Ship Complete                            |
| SHIP_FROM_LOC     | 80  | 104 | Supplier Location Number (Code) specified for Purchase Order on MI System. Ex: '001234' | <SUP_LOC_ID>       | Y | 25  | 1 | 6 digit supplier number supplied by Motion |
| SHIP_TO_NAME      | 105 | 134 | Ship-To Name                                                                            | <SHIP_TO_NAME>     | Y | 30  | 1 |                                            |
| SHIP_TO_ADDR1     | 135 | 174 | Ship-To Address Line 1                                                                  | <SHIP_TO_ADDR1>    | Y | 40  | 1 |                                            |
| SHIP_TO_ADDR2     | 175 | 214 | Ship-To Address Line 2                                                                  | <SHIP_TO_ADDR2>    | Y | 40  | 1 |                                            |
| SHIP_TO_ADDR3     | 215 | 254 | Ship-To Address Line 3                                                                  | <SHIP_TO_ADDR3>    | Y | 40  | 1 |                                            |
| SHIP_TO_CITY      | 255 | 279 | Ship-To City                                                                            | <SHIP_TO_CITY>     | Y | 25  | 1 |                                            |
| SHIP_TO_STATE     | 280 | 319 | Ship-To State (The 2-position state code (ie. 'AL') will be used)                       | <SHIP_TO_STATE>    | Y | 40  | 1 |                                            |
| SHIP_TO_ZIP       | 320 | 329 | Ship-To Zip Code                                                                        | <SHIP_TO_ZIP>      | Y | 10  | 1 |                                            |
| SHIP_TO_COUNTRY   | 330 | 332 | Ship-To Country                                                                         | <SHIP_TO_COUNTRY>  | Y | 3   | 1 | US=US<br>CA=CAN<br>MEX=MX                  |
| FAX_CONFIRM       | 333 | 333 | Y = Fax confirmation                                                                    | <FAX_CONFIRM>      | N | 1   | 1 |                                            |
| FAX_NUMBER        | 334 | 343 | Format: '9999999999'                                                                    | <FAX_NUMBER>       | N | 10  | 1 |                                            |
| FAX_NAME          | 344 | 363 | Name of person to fax confirmation to.                                                  | <FAX_ATTN>         | N | 20  | 1 |                                            |
| ORD_COMMENTS      | 364 | 463 | Order Header-level Comments (only the first 77 bytes will be sent)                      | <ORD_HDR_COMMENTS> | N | 100 | 1 |                                            |
| BUYER             | 464 | 498 | Name of person placing order                                                            | <BUYER>            | N | 35  | 1 |                                            |
| EMAIL_CONFIRM     | 499 | 499 | Y=Confirm Order By Email Requested                                                      | <EMAIL_CONFIRM>    | N | 1   | 1 |                                            |

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|                    |      |      |                                                                                       |                     |   |    |    |                                                                    |
|--------------------|------|------|---------------------------------------------------------------------------------------|---------------------|---|----|----|--------------------------------------------------------------------|
| EMAIL_ADDRESS      | 500  | 539  | Email Address                                                                         | <EMAIL_ADDRESS>     | N | 40 | 1  |                                                                    |
| Mfr_Account_Number | 540  | 559  | The Account Number used by the Supplier for this Motion branch or distribution center | <MFR_ACCT_NO>       | N | 20 | 1  | Manufacturer Account Number                                        |
| FOB_CODE           | 560  | 561  | FOB Code                                                                              | <FOB_CODE>          | Y | 2  | 1  | See FOB Codes Table                                                |
| CARRIER_ACT_NO     | 562  | 586  | Carrier Account Number                                                                | <CARR_ACCT_NO>      | N | 25 | 1  | Carrier Account Number                                             |
| REFERENCE          | 587  | 606  | Miscellaneous Information                                                             | <REFERENCE>         | N | 20 | 1  |                                                                    |
| Price_Country      | 8512 | 8512 | 1=US Dollars, 2=Canadian Dollars                                                      | <PRICE_COUNTRY>     | Y | 1  | 1  | 1=US \$ 2=Can \$ 3=Peso                                            |
| Party3_Name        | 8513 | 8537 | Third party freight billing name                                                      | <PARTY3_NAME>       | N | 25 | 1  |                                                                    |
| Party3_Address1    | 8538 | 8562 | Third party freight billing address 1                                                 | <PARTY3_ADDR1>      | N | 25 | 1  |                                                                    |
| Party3_Address2    | 8563 | 8587 | Third party freight billing address 2                                                 | <PARTY3_ADDR2>      | N | 25 | 1  |                                                                    |
| Party3_Address3    | 8588 | 8612 | Third party freight billing address 3                                                 | <PARTY3_ADDR3>      | N | 25 | 1  |                                                                    |
| Party3_Address4    | 8613 | 8637 | Third party freight billing address 4                                                 | <PARTY3_ADDR4>      | N | 25 | 1  |                                                                    |
| Party3_City        | 8638 | 8662 | Third party freight billing city                                                      | <PARTY3_CITY>       | N | 25 | 1  |                                                                    |
| Party3_State       | 8663 | 8664 | Third party freight billing state                                                     | <PARTY3_ST>         | N | 2  | 1  |                                                                    |
| Party3_Zip         | 8665 | 8669 | Third party freight billing zip code                                                  | <PARTY3_ZIP>        | N | 5  | 1  |                                                                    |
| Party3_Zip4        | 8670 | 8673 | Third party freight billing zip plus 4                                                | <PARTY3_ZIP4>       | N | 4  | 1  |                                                                    |
| Party3_Zip10       | 8674 | 8683 | Third party freight billing zip 10                                                    | <PARTY3_ZIP10>      | N | 10 | 1  |                                                                    |
| Party3_Phone       | 8684 | 8703 | Third party freight billing phone                                                     | <PARTY3_PH>         | N | 20 | 1  |                                                                    |
| Party3_Attn_Name   | 8704 | 8728 | Third party attention name.                                                           | <PARTY3_ATTEN>      | N | 25 | 1  |                                                                    |
| OCN_Cust_Po        | 7227 | 7251 | Motion Customer's Purchase Order Number                                               | <MI_CUST_PO>        | N | 25 | 1  | For direct ships this information must be included on packing slip |
| OCN_Cust_Rel       | 7252 | 7291 | Motion Customer's Release Number                                                      | <MI_CUST_REL>       | N | 40 | 1  | For direct ships this information must be included on packing slip |
|                    |      |      |                                                                                       | <ITEMS Number="xx"> |   |    | 1  | Item Header Parameter is the Number of Items Sent                  |
|                    |      |      |                                                                                       | <ITEM>              |   |    | 20 | Item Detail                                                        |
| UPC_CODE           | 607  | 646  | UPC Code                                                                              | <UPC_NO>            | N | 40 | 20 |                                                                    |

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|                   |      |      |                                                                  |                    |   |     |    |                                                                    |
|-------------------|------|------|------------------------------------------------------------------|--------------------|---|-----|----|--------------------------------------------------------------------|
| ITEM_NUMBER       | 647  | 686  | Motion Internal Item (SKU) Number                                | <ITEM_NO>          | Y | 40  | 20 |                                                                    |
| VP_NUMBER         | 687  | 726  | Vendor (Manufacturer) Part Number                                | <VENDOR_PART>      | N | 40  | 20 |                                                                    |
| MINO              | 727  | 766  | MINO Number using new MINO format.                               | <MINO>             | Y | 40  | 20 |                                                                    |
| ORDER_QTY         | 767  | 775  | Format: '999999999' (Value must be > 0)                          | <ORDER_QTY>        | Y | 9   | 20 |                                                                    |
| Unit_Cost         | 776  | 786  | Format: '99999999999' (Value must be >=0)                        | <UNIT_COST>        | Y | 11  | 20 |                                                                    |
| Unit_Measure      | 787  | 788  | Unit of Measure                                                  | <ORDER_UOM>        | N | 2   | 20 |                                                                    |
| Unit_Wt           | 789  | 799  | Unit Weight - Reserved for Future Use                            | <ORDER_WT>         | N | 11  | 20 |                                                                    |
| SHIP_FROM_LOC     | 800  | 824  | Ship-From Location Override (Format: CITY,ST; example:           | <SUP_LOC_OVRD>     | N | 25  | 20 |                                                                    |
| SHIP_FROM_CTRY    | 825  | 827  | Ship-From Country:                                               | <SHIP_FROM_CTRY>   | N | 3   | 20 | US=USA, CAN=CAN MEX                                                |
| BO_FLAG           | 836  | 836  | Y = Accept Backorders for items                                  | <ACCEPT_BO>        | N | 1   | 20 |                                                                    |
| SHIP_COMPLETE_FLG | 837  | 837  | Y=Entire order quantity must be filled (no partials)             | <SHIP_COMPLETE>    | N | 1   | 20 |                                                                    |
| REQUIRED_DATE     | 828  | 835  | Format: MMDDYYYY (Ex: 05302000 is May 30, 2000)                  | <REQUIRED_DATE>    | N | 8   | 20 |                                                                    |
| ORD_LINE_COMMENTS | 838  | 937  | Order Line-level Comments (only the first 77 bytes will be sent) | <ORDER_LN_COMMENT> | N | 100 | 20 |                                                                    |
| OEM_Code          | 7292 | 7311 | OEM Price Code for Line 1                                        | <OEM_CODE>         | N | 20  | 20 |                                                                    |
| Quote_No          | 7692 | 7711 | Quote Price Code for Line 1                                      | <QUOTE_NO>         | N | 20  | 20 |                                                                    |
| Price_Code        | 8092 | 8111 | Price Code for Line 1                                            | <PRICE_CODE>       | N | 20  | 20 |                                                                    |
| Code_Item         | 8492 | 8492 | Item is a Motion Coded Part - Line 1                             | <CODE_ITEM>        | Y | 1   | 20 |                                                                    |
| CSN               | 8729 | 8758 | Customer Stock Number - Line 1 (Required for Direct-Ship Orders) | <CUST_STK_NO>      | Y | 30  | 20 | For direct ships this information must be included on packing slip |
| ORDSTAT_PO_NO     | 9329 | 9341 | Order Status - Motion internal PO Number                         | <MI_PO_NO>         | N | 13  | 20 | Supplier Disregard                                                 |
| ORDSTAT_PO_LN     | 9342 | 9347 | Order Status - Motion internal PO Line Number - 1                | <MI_PO_LN>         | Y | 6   | 20 |                                                                    |
| ORDSTAT_OCN       | 9462 | 9474 | Order Status - Motion internal OCN Number 1                      | <MI_OCN_NO>        | N | 13  | 20 |                                                                    |
| ORDSTAT_OCN_LN    | 9722 | 9727 | Order Status - Motion internal OCN LN 1                          | <MI_OCN_LN>        | N | 6   | 20 |                                                                    |

| ORDER SUBMIT – (PO_ORDER_REPLY) |       |     |                                                      |                      |     |              |            |                                                            |
|---------------------------------|-------|-----|------------------------------------------------------|----------------------|-----|--------------|------------|------------------------------------------------------------|
| Motion Internal Use only        |       |     | Supplier Information                                 |                      |     |              |            |                                                            |
| Field Name                      | Start | End | Description                                          | XML TAG NAME         | REQ | Field Length | Max Occurs | XML Note                                                   |
| TRTYPE                          | 1     | 1   | transaction type                                     | <PO_ORDER_REPLY>     | Y   | 1            |            | Transaction identifying tag                                |
| Transaction ID                  |       |     | System generated number                              | <TRAN_ID>            | Y   | 26           | 1          | Must be sent in the reply and must match the send          |
| STATUSCODE                      | 2     | 2   | Status Code for Order Header section:                | <REPLY_CODE>         | Y   | 1            | 1          | 0=No Errors, 1=Errors                                      |
| SUPPLIER_ORDER_No               | 3     | 12  | Supplier's Order Number                              | <SUP_ORDER_NO>       | Y   | 10           | 1          | Supplier's Order Number                                    |
| ERRORMSG                        | 13    | 91  | Header-level Error Message                           | <MESSAGE>            | N   | 79           | 1          | Error/Warning Message                                      |
| Proj_Ship_Date                  | 92    | 99  | Projected Ship Date                                  | <PROJ_SHIP_DATE>     | Y   | 8            | 1          | Projected Ship Date (MMDDYYYY)                             |
| Filler                          | 100   | 100 |                                                      | N/A                  | N   | 1            |            | SUPPLIER DISREGARD                                         |
|                                 |       |     |                                                      | <ITEMS Number="xx">  |     |              | 1          | Items Returned. Parameter is the Number of Items on Reply] |
|                                 |       |     |                                                      | <ITEM>               |     |              | 20         | Item Detail                                                |
| STATUSCODE                      | 101   | 101 | Status Code for Order Line:                          | <SUP_REPLY_CODE>     | Y   | 1            | 20         | 0=No Errors, 1=Errors                                      |
| SUPPLIER_ORDER_LN               | 102   | 105 | Line Sequence Number for Order on Supplier's system. | <SUP_ORDER_LN>       | Y   | 4            | 20         | Supplier's Order Line Number                               |
| SUPPLIER_PARTNO                 | 106   | 145 | Supplier Part Number                                 | <SUP_PART_NO>        | Y   | 40           | 20         | Supplier's Part Number                                     |
| SUPPLIER_UPC                    | 146   | 185 | Supplier UPC Code                                    | <SUP_UPC_NO>         | N   | 40           | 20         | Supplier's UPC Number                                      |
| ALLOCATED_QTY                   | 186   | 194 | Format: '999999999' (Value must be >= 0)             | <SUP_ALLOC_QTY>      | Y   | 9            | 20         | Allocated Quantity (Must be >= Zero)                       |
| PROMISE_DATE                    | 195   | 202 | Format: MMDDYYYY (Ex: 05302000 is May 30, 2000)      | <SUP_PROMISE_DATE>   | Y   | 8            | 20         | Supplier Promise Date                                      |
| ERRORMSG                        | 203   | 281 | Detail-level Error Message                           | <SUP_LN_ERROR_MSG>   | N   | 79           | 20         | Supplier Line Error Message                                |
| Proj_Ship_Date                  | 282   | 289 | Projected Shipment Date                              | <SUP_PROJ_SHIP_DATE> | N   | 8            | 20         | Supplier Projected Ship Date                               |

## Sample XML PO\_ORDER\_SEND document

```
<PO_ORDER_SEND xml:lang="en-US">
  <TRAN_ID>1368621300391</TRAN_ID>
  <MILOC>IN08</MILOC>
  <MI_PO_NO>IN08-00078803      </MI_PO_NO>
  <MI_REF_NO>IN08-255809      </MI_REF_NO>
  <REQUEST_DATE>05152013</REQUEST_DATE>
  <CARR_CD>UPSG</CARR_CD>
  <SHIP_METHOD>DS</SHIP_METHOD>
  <ACCEPT_BO>Y</ACCEPT_BO>
  <SHIP_COMPLETE/>
  <SUP_LOC_ID>100706      </SUP_LOC_ID>
  <SHIP_TO_NAME>HONEYVILLE METAL, INC      </SHIP_TO_NAME>
  <SHIP_TO_ADDR1>4200 S 900 W      </SHIP_TO_ADDR1>
  <SHIP_TO_ADDR2/>
  <SHIP_TO_ADDR3/>
  <SHIP_TO_CITY>TOPEKA      </SHIP_TO_CITY>
  <SHIP_TO_STATE>IN      </SHIP_TO_STATE>
  <SHIP_TO_ZIP>46571      </SHIP_TO_ZIP>
  <SHIP_TO_COUNTRY>US </SHIP_TO_COUNTRY>
  <FAX_CONFIRM/>
  <FAX_NUMBER>2603475799</FAX_NUMBER>
  <FAX_ATTN/>
  <ORD_HDR_COMMENTS/>
  <BUYER>ALAN KEPLER      </BUYER>
  <EMAIL_CONFIRM/>
  <EMAIL_ADDRESS/>
  <MFR_ACCT_NO/>
  <FOB_CODE>OB</FOB_CODE>
  <CARR_ACCT_NO/>
  <REFERENCE/>
  <PRICE_COUNTRY>1</PRICE_COUNTRY>
  <PARTY3_NAME/>
  <PARTY3_ADDR1/>
  <PARTY3_ADDR2/>
  <PARTY3_ADDR3/>
  <PARTY3_ADDR4/>
  <PARTY3_CITY/>
  <PARTY3_ST/>
  <PARTY3_ZIP/>
  <PARTY3_ZIP4/>
  <PARTY3_PH/>
  <PARTY3_ATTN/>
  <MI_CUST_PO>54082      </MI_CUST_PO>
  <MI_CUST_REL>DENNIS      </MI_CUST_REL>
</ITEMS Number="1">
```

```

<ITEM>
  <UPC_NO>697950136981      </UPC_NO>
  <ITEM_NO>02167989         </ITEM_NO>
  <VENDOR_PART>697950136981 </VENDOR_PART>
  <MINO>00540D07072         </MINO>
  <ORDER_QTY>000000004</ORDER_QTY>
  <UNIT_COST>00002468400</UNIT_COST>
  <ORDER_UOM>EA</ORDER_UOM>
  <ORDER_WT>000000000000</ORDER_WT>
  <SUP_LOC_OVRD/>
  <SHIP_FROM_CTRY/>
  <ACCEPT_BO>Y</ACCEPT_BO>
  <SHIP_COMPLETE/>
  <REQUIRED_DATE>05162013</REQUIRED_DATE>
  <ORDER_LN_COMMENT/>
  <OEM_CODE/>
  <QUOTE_NO/>
  <PRICE_CODE/>
  <CODE_ITEM>Y</CODE_ITEM>
  <CUST_STK_NO>PTSBU079      </CUST_STK_NO>
  <MI_PO_LN>000001</MI_PO_LN>
  <MI_OCN_NO>255809         </MI_OCN_NO>
  <MI_OCN_LN>000008</MI_OCN_LN>
</ITEM>
</ITEMS>
</PO_ORDER_SEND>

```

### Sample XML PO\_ORDER\_REPLY document

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<PO_ORDER_REPLY>
  <TRAN_ID>1368621300391</TRAN_ID>
  <REPLY_CODE>0</REPLY_CODE>
  <SUP_ORDER_NO>218134166</SUP_ORDER_NO>
  <MESSAGE></MESSAGE>
  <PROJ_SHIP_DATE>05162013</PROJ_SHIP_DATE>
  <ITEMS Number="1">
    <ITEM>
      <SUP_REPLY_CODE>0</SUP_REPLY_CODE>
      <SUP_ORDER_LN>1</SUP_ORDER_LN>
      <SUP_PART_NO>697950136981</SUP_PART_NO>
      <SUP_UPC_NO>697950136981</SUP_UPC_NO>
      <SUP_ALLOC_QTY>4</SUP_ALLOC_QTY>
      <SUP_PROMISE_DATE>05162013</SUP_PROMISE_DATE>
      <SUP_LN_ERROR_MSG></SUP_LN_ERROR_MSG>
      <SUP_PROJ_SHIP_DATE>05162013</SUP_PROJ_SHIP_DATE>
    </ITEM>
  </ITEMS>
</PO_ORDER_REPLY>

```

&lt;/ITEMS&gt;

&lt;/PO\_ORDER\_REPLY&gt;

**Order Status Transaction**

This Order Status transaction submits a request for the status of a Purchase Order Line. The Supplier System matches this information based on the Motion Purchase Order Number and Purchase Order Line Number and returns it based on a “summary” type transaction.

| Order Status – PO_STATUS_SEND |       |     |                                                                                                                                                                 |                  |     |              |            |                                                   |
|-------------------------------|-------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|--------------|------------|---------------------------------------------------|
| Motion Internal Use Only      |       |     | Supplier Information                                                                                                                                            |                  |     |              |            |                                                   |
| Field Name                    | Start | End | Description                                                                                                                                                     | XML TAG NAME     | REQ | Field Length | Max Occurs | XML Note                                          |
| TRTYPE                        | 1     | 1   | transaction type                                                                                                                                                | <PO_STATUS_SEND> | Y   | 1            | 1          | Transaction identifying tag                       |
| Transaction ID                |       |     | System generated number                                                                                                                                         | <TRAN_ID>        | Y   | 26           | 1          | Must be sent in the reply and must match the send |
| MI_LOCATION                   | 2     | 5   | Location (MI Branch or distribution center ID) (example: 'AL00')                                                                                                | <MILOC>          | Y   | 4            | 1          | ie: AL01                                          |
| PO_CTL_NO                     | 6     | 20  | Motion Loc-PO Number ie: 00012345                                                                                                                               | <MI_PO_NO>       | Y   | 15           | 1          | ie: 00012345                                      |
| PO_CTL_LINE_NO                | 21    | 24  | Motion PO Line Number                                                                                                                                           | <MI_PO_LN>       | Y   | 4            | 1          | ie: 0001                                          |
| UPC_CODE                      | 25    | 44  | UPC Code                                                                                                                                                        | <UPC_NO>         | N   | 20           | 1          |                                                   |
| ITEM_NUMBER                   | 45    | 52  | Motion Internal Item Number (SKU)                                                                                                                               | <ITEM_NO>        | N   | 8            | 1          |                                                   |
| VP_NUMBER                     | 53    | 92  | Vendor (Manufacturer) Part Number                                                                                                                               | <VENDOR_PART>    | N   | 40           | 1          | May contain UPC or be blank                       |
| MINO                          | 93    | 103 | MINO Number using new MINO format.                                                                                                                              | <MINO>           | N   | 11           | 1          |                                                   |
| OCN_NO                        | 104   | 111 | Motion Order Control Number                                                                                                                                     | <MI_OCN>         | N   | 8            | 1          | Motion OCN                                        |
| OCN_Line_No                   | 112   | 114 | Order Control Line Number                                                                                                                                       | <MI_OCN_LN>      | N   | 3            | 1          | SUPPLIER DISREGARD                                |
| Start_PO_Line_No              | 115   | 118 | Begin Po Line If the Cust_PO_Line_No is zero, this field should contain the starting PO line number. That line along with the next 11 lines should be returned. | <START_PO_LN>    | N   | 4            | 1          | SUPPLIER DISREGARD                                |
| Misc_Info                     | 119   | 158 | Miscellaneous Information (Reserved for future use)                                                                                                             | <REFERENCE>      | N   | 40           | 1          | SUPPLIER DISREGARD                                |

| Order Status – PO_STATUS_REPLY |       |     |                                                                                                                                              |                      |     |              |            |                                                       |
|--------------------------------|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----|--------------|------------|-------------------------------------------------------|
| Motion Internal Use Only       |       |     | Supplier Information                                                                                                                         |                      |     |              |            |                                                       |
| Field Name                     | Start | End | Description                                                                                                                                  | XML Tag Name         | REQ | Field Length | Max Occurs | XML Note                                              |
| TRTYPE                         | 1     | 1   | transaction type                                                                                                                             | <PO_STATUS_REPLY>    |     | 1            | 1          | Transaction identifying tag                           |
| Transaction ID                 |       |     | System Generated Number                                                                                                                      | <TRAN_ID>            | Y   | 26           | 1          | Must be sent in the reply and must match the send     |
| STATUSCODE                     | 2     | 2   | Status code for Transaction:                                                                                                                 | <REPLY_CODE>         |     | 1            | 1          | 0=No Errors, 1=Errors                                 |
| Start_Po_Line_No               | 3     | 6   | Begin with PO Line (Reserved for future use)                                                                                                 | <START_PO_LN>        | N   | 4            | 1          | SUPPLIER DISREGARD                                    |
| Sales_Order_No                 | 7     | 36  | Supplier's Sales Order Number - the Sales Order Number for the latest shipment or earliest backorder if entire order quantity is backordered | <SUP_ORDER_NO>       | Y   | 30           | 1          | Supplier Sales Order No<br>(Motion does not validate) |
| Sales_Order_Line               | 37    | 40  | Supplier's Sales Order Line Number                                                                                                           | <SUP_ORDER_LN>       | Y   | 4            | 1          | Supplier Sales Order Ln                               |
| Invoice_No                     | 41    | 60  | Supplier's Invoice Number - Invoice number for the latest shipment                                                                           | <SUP_INV_NO>         | N   | 20           | 1          | Supplier Invoice No                                   |
| Invoice_Date                   | 61    | 68  | Invoice Date. Format = MMDDYYYY                                                                                                              | <SUP_INV_DATE>       | N   | 8            | 1          | ie: 05122007                                          |
| Ship_Date                      | 69    | 76  | Ship Date. Format = MMDDYYYY                                                                                                                 | <SUP_SHIP_DATE>      | N   | 8            | 1          | ie: 05122007                                          |
| Ship_Qty                       | 77    | 85  | Qty Shipped                                                                                                                                  | <SHIP_QTY>           | N   | 9            | 1          |                                                       |
| Ship_Loc_CD                    | 86    | 91  | Supplier's Location ID number                                                                                                                | <SUP_LOC_NO>         | N   | 6            | 1          | Supplier Location ID Number provided by Motion        |
| Carrier_Cd                     | 92    | 95  | Carrier Code                                                                                                                                 | <CARR_CD>            | N   | 4            | 1          |                                                       |
| Promise_Date                   | 96    | 103 | Date Product promised by Supplier.                                                                                                           | <SUP_PROMISE_DATE>   | N   | 8            | 1          | ie: 05122007                                          |
| Proj_Ship_Date                 | 104   | 111 | Projected Ship Date by Supplier.                                                                                                             | <SUP_PROJ_SHIP_DATE> | N   | 8            | 1          | ie: 05122007                                          |
| Proj_Ship_Qty                  | 112   | 120 | Projected Ship Quantity. Format = '999999999'                                                                                                | <SUP_PROJ_SHIP_QTY>  | N   | 9            | 1          |                                                       |
| Status_Code                    | 121   | 122 | Order Line Status Code                                                                                                                       | <SUP_STATUS_CODE>    | Y   | 2            | 1          | OP-Open, IP- IN PROCESS BO-Backorder, CL-             |

|              |      |      |                                                                                                                                               |                   |   |    |   |                    |
|--------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|----|---|--------------------|
|              |      |      |                                                                                                                                               |                   |   |    |   | Closed             |
| Supp_Part_No | 123  | 162  | Suppliers Part Number                                                                                                                         | <VENDOR_PART>     | N | 40 | 1 |                    |
| Buyer_Id     | 163  | 182  | Motion Buyer Name                                                                                                                             | <BUYER>           | N | 20 | 1 |                    |
| UOM          | 183  | 185  | Unit of Measure Code                                                                                                                          | <ITEM_UOM>        | N | 3  | 1 |                    |
| Tracking     | 186  | 215  | Shipment Tracking Number                                                                                                                      | <SHIP_TRACK_NO>   | N | 30 | 1 |                    |
| Ship_Wt      | 216  | 224  | Unit Shipping Weight in Pounds (whole number-no decimals); Format '999999999'; Minimum value = 1 (if an item is less than a pound, set to 1). | <SHIP_WEIGHT>     | N | 9  | 1 |                    |
| Ship_Doc     | 225  | 254  | Supplier's Shipping Control Document Number                                                                                                   | <SUP_SHIP_CTL_NO> | N | 30 | 1 |                    |
| Reference    | 255  | 284  | Carrier description from Supplier's system.                                                                                                   | <SUP_CARRIER>     | N | 30 | 1 |                    |
| Filler       | 285  | 3342 | Filler                                                                                                                                        | N/A               | N |    |   | SUPPLIER DISREGARD |
| MESSAGE      | 3343 | 3421 | Message formatted by Supplier                                                                                                                 | <MESSAGE>         | N | 79 | 1 |                    |

**Sample XML PO\_STATUS\_SEND document**

```

<PO_STATUS_SEND xml:lang="en-US">
  <TRAN_ID>1323372299273</TRAN_ID>
  <MILOC>AL01</MILOC>
  <MI_PO_NO>00368000    </MI_PO_NO>
  <MI_PO_LN>0001</MI_PO_LN>
  <UPC_NO>717744003456    </UPC_NO>
  <ITEM_NO>01302514</ITEM_NO>
  <VENDOR_PART>21086-3080    </VENDOR_PART>
  <MINO>00123X91528</MINO>
  <MI_OCN>592717 </MI_OCN>
  <MI_OCN_LN>004</MI_OCN_LN>
</PO_STATUS_SEND>

```

**Sample XML PO\_STATUS\_REPLY document**

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<PO_STATUS_REPLY>
  <TRAN_ID>1323372299273</TRAN_ID>
  <REPLY_CODE>0</REPLY_CODE>
  <SUP_ORDER_NO>1473148</SUP_ORDER_NO>
  <SUP_ORDER_LN>1</SUP_ORDER_LN>

```

```

<SUP_INV_NO />
<SUP_INV_DATE>12012011</SUP_INV_DATE>
<SUP_SHIP_DATE>12012011</SUP_SHIP_DATE>
<SHIP_QTY>6</SHIP_QTY>
<SUP_LOC_NO>GNA Palmyra</SUP_LOC_NO>
<CARR_CD>UPSG</CARR_CD>
<SUP_PROMISE_DATE>12012011</SUP_PROMISE_DATE>
<SUP_PROJ_SHIP_DATE>12012011</SUP_PROJ_SHIP_DATE>
<SUP_PROJ_SHIP_QTY>6</SUP_PROJ_SHIP_QTY>
<SUP_STATUS_CODE>CL</SUP_STATUS_CODE>
<VENDOR_PART>21086-3080</VENDOR_PART>
<BUYER>2275</BUYER>
<ITEM_UOM />
<SHIP_TRACK_NO>1Z1X45680375833245</SHIP_TRACK_NO>
<SHIP_WEIGHT />
<SUP_SHIP_CTL_NO>1Z1X45680375833245</SUP_SHIP_CTL_NO>
<SUP_CARRIER>UPSG</SUP_CARRIER>
<MESSAGE>WILL BE DELIVERED</MESSAGE>
</PO_STATUS_REPLY>
    
```

## Product Lookup Transaction

The Product Lookup transaction submits a Product Search Request to the supplier system, which evaluates the search criteria and returns results based on that criteria. There is a 50 row maximum for returned rows.

## Part Number Search

The Part Number Search allows a Motion branch or distribution center to enter part information and send the transaction to the supplier. The supplier then returns possible matches to the user’s request. The search is in one of the following formats:

- Description Search                      Example: “203 KDD Bearing”
- Manufacturer Part Number              Example: “203 KDD BRG”
- Several Search Parameters are transmitted, such as:
  - Search Filter (Begins with, Contains, Exact)
  - Sort By (Return results in this order)
    - Sort by Quantity
    - Sort by Price
    - Sort by Description
    - Sort by Manufacturer Part Number
  - Sequence (Ascending or Descending Order)

The supplier’s system returns possible matches based upon the search criteria. The submit transaction sends a “Number of Rows” to return. The transaction layout supports a maximum of 50 rows.

**General**

1. Z-coded (non-coded) items may be processed
2. Supplier provides two interfaces to its system: one for Production and one for Development/Test with both interfaces available on an on-going basis
3. All Supplier Connect transactions are accessible by all Motion branches and distribution centers
4. The VP\_NUMBER field on all transactions contains the value from the EDP\_NO field in the Motion Item Profile table (this may not contain the true Vendor Part Number—it may contain the UPC Number for the item or it may be blank depending on Motion’s Costing/Coding Department and the value it determines)

| Product Search – PROD_SEARCH_SEND |       |     |                          |                    |     |              |            |                                                   |
|-----------------------------------|-------|-----|--------------------------|--------------------|-----|--------------|------------|---------------------------------------------------|
| Motion Internal Use Only          |       |     | Supplier Information     |                    |     |              |            |                                                   |
| Field Name                        | Start | End | Description              | XML TAG NAME       | REQ | Field Length | Max Occurs | XML Note                                          |
| TRTYPE                            | 1     | 1   | transaction type         | <PROD_SEARCH_SEND> | Y   | 1            | 1          |                                                   |
| TRANSACTION ID                    |       |     | System generated number  | <TRAN_ID>          | Y   | 26           | 1          | Must be sent in the reply and must match the send |
| MI_LOCATION                       | 2     | 5   | Mi Location              | <MILOC>            | Y   | 4            | 1          | ie: AL02                                          |
| SEARCH_INFO                       | 6     | 45  | Product Search Parameter | <SEARCH_INFO>      | Y   | 40           | 1          | ie: AA68 BELT                                     |
| SEARCH_TYPE                       | 46    | 46  | Search Type:             | <SEARCH_TYPE>      | Y   | 1            | 1          | (D=Desc, M=MFR Part Number)                       |
| SEARCH_FILTER                     | 47    | 47  | Search Filter            | <SEARCH_FILTER>    | Y   | 1            | 1          | (B=Begins, C=Contains, E=Exact, K=Keyword)        |
| SORT_BY                           | 48    | 48  | Sort By                  | <SORT_BY>          | Y   | 1            | 1          | (Q=Qty, P=Price, D=Desc, M=Mfr Part Number)       |
| SEQUENCE                          | 49    | 49  | Sequence                 | <SORT_SEQ>         | Y   | 1            | 1          | (A=Ascending, D=Descending)                       |
| WILDCARD_CHAR                     | 50    | 50  | Wildcard                 | <WILDCARD_CHAR>    | N   | 1            | 1          | SUPPLIER DISREGARD                                |
| CALL_BRANCH                       | 51    | 51  | Call Branch              | <CALL_BRANCH>      | N   | 1            | 1          | SUPPLIER DISREGARD                                |
| NO_ROWS                           | 52    | 53  | Number of Rows to Return | <NO_ROWS_RETURN>   | Y   | 2            | 1          | Maximum of 50 Rows                                |
| FILLER                            | 54    | 55  | Filler                   | N/A                | N   | 2            |            | SUPPLIER DISREGARD                                |
| MFR_ID                            | 56    | 60  | Mfr Number               | <MFR_CTL_NO>       | N   | 5            | 1          | Manufacturer ID                                   |

| Product Search – PROD_SEARCH_REPLY |       |      |                                                     |                     |     |              |            |                                                   |
|------------------------------------|-------|------|-----------------------------------------------------|---------------------|-----|--------------|------------|---------------------------------------------------|
| Motion Internal Use Only           |       |      | Supplier Information                                |                     |     |              |            |                                                   |
| Field Name                         | Start | End  | Description                                         | XML TAG NAME        | REQ | Field Length | Max Occurs | XML Note                                          |
| TRTYPE                             | 1     | 1    | transaction type                                    | <PROD_SEARCH_REPLY> | Y   | 1            |            |                                                   |
| Transaction ID                     |       |      | Transaction Timestamp                               | <TRAN_ID>           | Y   | 26           | 1          | Must be sent in the reply and must match the send |
| STATUSCODE                         | 2     | 2    | Status Code for Transaction                         | <REPLY_CODE>        | Y   | 1            | 1          | 0=No Errors, 1=Errors                             |
|                                    |       |      |                                                     | <ITEMS Number=xx>   |     |              | 1          | xx=Number of Items returned                       |
|                                    |       |      |                                                     | <ITEM>              |     |              | 50         |                                                   |
| MFR_PART_NO                        | 3     | 32   | Manufacturer Part No                                | <VENDOR_PART>       | Y   | 30           | 50         |                                                   |
| MFR_ITEM_NO                        | 33    | 62   | Manufacturer Item                                   | <VENDOR_ITEM>       | N   | 30           | 50         |                                                   |
| MFR_UPC_NO                         | 63    | 77   | Manufacturer UPC                                    | <VENDOR_UPC_NO>     | N   | 15           | 50         |                                                   |
| MOTION_MINO                        | 78    | 88   | Motion Mino                                         | <MINO>              | N   | 11           | 50         |                                                   |
| MOTION_ITEM                        | 89    | 96   | Motion Item                                         | <ITEM_NO>           | N   | 8            | 50         |                                                   |
| UNIT_PRICE                         | 97    | 107  | Unit Price                                          | <UNIT_PRICE>        | N   | 11           | 50         |                                                   |
| QTY_AVL                            | 108   | 116  | Quantity Available                                  | <QTY_AVL>           | N   | 9            | 50         |                                                   |
| MFR_DESC                           | 117   | 156  | MFR Description                                     | <VENDOR_DESC>       | Y   | 40           | 50         |                                                   |
| POR                                | 157   | 157  | Price on Request Flag                               | <POR>               | N   | 1            | 50         | Y=Call for Pricing                                |
| PHONE                              | 158   | 158  | Phone for additional details                        | <PHONE_FLAG>        | N   | 1            | 50         | Y=Phone Supplier for Details                      |
| PRODUCT_MESSAGE                    | 159   | 198  | Product Message                                     | <MESSAGE>           | N   | 40           | 50         |                                                   |
| TOTAL_MATCHES                      | 9803  | 9809 | Number of Matches                                   | <NO_MATCHES>        | N   | 7            | 1          | Number of Supplier Matches                        |
| ROWS_RETURNED                      | 9810  | 9812 | Number of rows returned in the Product Search Reply | <ROWS_RETURN>       | N   | 3            | 1          | Number of Rows Returned                           |

**Sample XML PROD\_SEARCH\_SEND document**

```
<PROD_SEARCH_SEND xml:lang="en-US">
  <TRAN_ID>1323974161670</TRAN_ID>
```

```
<MILOC>FL44</MILOC>
<SEARCH_INFO>40BTB22          </SEARCH_INFO>
<SEARCH_TYPE>M</SEARCH_TYPE>
<SEARCH_FILTER>B</SEARCH_FILTER>
<SORT_BY>Q</SORT_BY>
<SORT_SEQ>D</SORT_SEQ>
<NO_ROWS_RETURN>50 </NO_ROWS_RETURN>
<MFR_CTL_NO>00123</MFR_CTL_NO>
</PROD_SEARCH_SEND>
```

### Sample XML PROD\_SEARCH\_REPLY document

```
<?xml version="1.0" encoding="utf-8"?>
<PROD_SEARCH_REPLY>
<TRAN_ID>1323974161670</TRAN_ID>
<REPLY_CODE>0</REPLY_CODE>
<ITEMS Number="2 ">
  <ITEM>
    <VENDOR_PART>40BTB22H          </VENDOR_PART>
    <VENDOR_ITEM></VENDOR_ITEM>
    <VENDOR_UPC_NO>697950043074 </VENDOR_UPC_NO>
    <MINO>00005014598</MINO>
    <ITEM_NO>00172902</ITEM_NO>
    <UNIT_PRICE>22.35</UNIT_PRICE>
    <QTY_AVL>181</QTY_AVL>
    <VENDOR_DESC>(1610) SPK ROLLER TB SABE          </VENDOR_DESC>
    <POR></POR>
    <PHONE_FLAG></PHONE_FLAG>
    <MESSAGE>813-623-1705          </MESSAGE>
  </ITEM>
  <ITEM>
    <VENDOR_PART>40BTB22          </VENDOR_PART>
    <VENDOR_ITEM></VENDOR_ITEM>
    <VENDOR_UPC_NO>697950030678 </VENDOR_UPC_NO>
    <MINO>00005014597</MINO>
    <ITEM_NO>00172895</ITEM_NO>
    <UNIT_PRICE>22.35</UNIT_PRICE>
    <QTY_AVL>383</QTY_AVL>
    <VENDOR_DESC>(1610) SPK ROLLER TB          </VENDOR_DESC>
    <POR></POR>
    <PHONE_FLAG></PHONE_FLAG>
    <MESSAGE>813-623-1705          </MESSAGE>
  </ITEM>
</ITEMS>
<NO_MATCHES>2</NO_MATCHES>
<ROWS_RETURN>2 </ROWS_RETURN>
```

</PROD\_SEARCH\_REPLY>

---

## Motion Industries System Support Contacts

Use the following contact information after the interface is implemented in Production. Please let us know that you are a MI Supplier Connect participant when you contact us.

- **Motion System Support:** (205) 951-1157
- **MI Supplier Connect Hours of Operation:** 6 a.m. to 7 p.m. CST.
- **24-Hour Emergency Contact – MI Help Desk:** (205) 951-1154.
- **Please contact these support contacts via email at** [helpdesk@motion-ind.com](mailto:helpdesk@motion-ind.com); [system.support@motion-ind.com](mailto:system.support@motion-ind.com) [Christie.Piazza@motion-ind.com](mailto:Christie.Piazza@motion-ind.com)
  1. When experiencing technical problems with MI Supplier Connect interface
  2. When reporting downtime – both planned and unplanned (and likewise, MI Help Desk emails Suppliers when reporting planned/unplanned downtime)

## Appendix A - Carrier Codes

| Carrier Codes | Carrier Description       | FOB Codes |
|---------------|---------------------------|-----------|
| 3000          | TRANSPORT 3000            | CO        |
| 24/7          | 24/7 EXPRESS LOGISTICS    | CO        |
| 8FRT          | NUMBER 8 FREIGHT          | CO        |
| A1DL          | A-1 DELIVERY SERVICE      | CO        |
| AAAC          | AAA COURIER               | CO        |
| AAAT          | AAA TRANSFER LLC          | CO        |
| AACT          | AAA COOPER TRANSPORTATION | MF        |
| AAFW          | ALASKA AIR FORWARDING     | AF        |
| AB03          | SHIP IN WOGS TO AB03      | MF        |
| AB07          | AB07 DAILY TRUCK          | MF        |
| ABCC          | ABC COURIER               | CO        |
| ABFL          | A & B FREIGHT LINE        | MF        |
| ABFS          | ABF FREIGHT SYSTEM        | MF        |
| ABLE          | ABLE COURIER              | CO        |
| ABNE          | ABERDEEN EXPRESS          | MF        |
| ABXL          | ABX LOGISTICS             | AF        |
| ACCL          | ACCEL DELIVERY            | CO        |
| ACEC          | ACE COURIER SERVICE       | CO        |
| ACES          | ACE COURIER SERVICE SAT D | CO        |
| ACEX          | ACE                       | CO        |
| ACHS          | ACME HOT SHOT             | CO        |
| ACMG          | AIR CARGO MANAGEMENT      | AF        |
| ACN3          | AIR CANADA EXPRESS 30     | AF        |
| ACN6          | AIR CANADA EXPRESS 60     | AF        |
| ACSC          | ACCESS COURIER, INC       | CO        |
| ACSS          | ACCESS TRANSPORT          | MF        |
| ACTC          | ACTION COURIER            | CO        |
| ACTD          | ACTION DIRECT             | CO        |
| ACUD          | ACCURATE DELIVERY         | CO        |
| ACXP          | ACTION EXPEDITING         | CO        |
| ACXS          | ACTION EXPRESS            | CO        |
| ADMA          | ACTIVE ON DEMAND          | CO        |
| ADST          | ADVANCED SHIPPING TECHNOL | MF        |
| ADSY          | ADS ACCURATE DELIVERY SYS | CO        |
| AERO          | AERO SPEED EXPEDITED DLVY | CO        |
| AFFI          | AMERICAN FAST FREIGHT INC | MF        |
| AGCE          | ACI MOTOR FREIGHT         | MF        |
| AGEX          | AIR GROUP EXPRESS         | AF        |

| Carrier Code | Carrier Description       | FOB Codes |
|--------------|---------------------------|-----------|
| LCRT         | LACRETE TRANSPORT         | MF        |
| LDLS         | LIGHTNING DELIVERY SERVIC | CO        |
| LEAN         | LEAN LOGISTICS            | MF        |
| LIBT         | LIBERTY TRANSPORT LTD.    | CO        |
| LINT         | LINAMAR TRANSPORTATION IN | MF        |
| LKVL         | LAKEVILLE MOTOR EXPRESS   | MF        |
| LMFF         | LOWER MAINLAND FAST FRT   | CO        |
| LNTN         | LANDTRAN EXPRESS          | MF        |
| LOGP         | LOGISTICS PLANNING SERVIC | MF        |
| LOMO         | LOCAL MOTION              | MF        |
| LPRT         | LAPORTE TRANSPORTATION    | MF        |
| LTIA         | LYNDEN TRANSPORT          | MF        |
| LTLT         | LTL TRUCKING              | MF        |
| LVRA         | LIVRAISON R.C.            | MF        |
| LYAF         | LYNDEN AIR FREIGHT        | AF        |
| LYND         | LYNDEN INTERNATIONAL      | CO        |
| LYNE         | LYNDEN AIR - ECONOMY      | AF        |
| LYNP         | LYNDEN AIR - PRIORITY     | AF        |
| MAHE         | MAHE FREIGHT AB           | OF        |
| MANI         | MANITOULIN                | MF        |
| MATX         | MATT'S EXPRESS            | CO        |
| MBWC         | MBW COURIER               | CO        |
| MCMR         | MCMURRY SERV-U EXPED      | CO        |
| MDLY         | MERCHANTS DELIVERY SERVIC | CO        |
| MDTF         | MIDLAND TRANSPORTATION    | MF        |
| MEDX         | MED EXPRESS               | MF        |
| MERX         | MERCURY EXPRESS           | CO        |
| MESP         | MESSENGER PICK UP         | CO        |
| MEYT         | MEYERS TRANSPORT LTD.     | MF        |
| MGIC         | MAGIC TRANSPORT           | MF        |
| MGUL         | MAGNUM LTL, INC.          | MF        |
| MIDA         | MIDLAND AIR               | AF        |
| MIDC         | MIDLAND COURIER           | CO        |
| MIDM         | MIDLAND MESSENGER         | CO        |
| MIDW         | MIDWAY MOTOR FREIGHT      | MF        |
| MIKE         | MIKE'S COURIER            | CO        |
| MILL         | MILLIENIUM EXPRESS        | CO        |
| MIQL         | MIQ LOGISTICS             | MF        |

|      |                           |    |
|------|---------------------------|----|
| AGRP | AIRGROUP                  | MF |
| AIR1 | AIR 1 EXPRESS             | CO |
| AIRF | AIRES FREIGHT SYSTEMS     | AF |
| AIRW | AIRWAYS FREIGHT CORP.     | CO |
| AITA | AIT AIR FREIGHT           | AF |
| AITF | AIT FREIGHT               | CO |
| AJDL | AJ'S DELIVERY             | CO |
| AKAF | ALASKA AIR FREIGHT        | AF |
| AKGS | ALASKA GOLDSTREAK         | AF |
| AL10 | AL10 PICK-UP & DELIVERY   | CO |
| ALCI | ALTERNATIVE CARTAGE (AKA  | CO |
| ALDL | ALBANY DELIVERY SERVICE   | CO |
| ALNT | ALLEN'S TRANSPORT         | MF |
| ALPX | ALL POINTS EXPRESS        | CO |
| ALRT | A/ALERT                   | CO |
| ALSL | ALS LOGISTICS             | CO |
| ALTA | ALTIMAX AIR FREIGHT       | CO |
| ALTF | ALTIMAX FREIGHT           | MF |
| ALTI | ALTIMAX COURIER           | CO |
| AMAT | A.M.A. TRUCKING           | MF |
| AMXC | AMERICAN EXPEDITING CO.   | CO |
| ANTX | ANTLER EXPRESS            | MF |
| AOGI | AOG INTERNATIONAL COURIER | CO |
| APDL | ALPHA PICK-UP & DELIVERY  | CO |
| APEX | APEX EXPRESS CARGO INC.   | CO |
| APLC | APPLE COURIER             | CO |
| APLS | A-PLUS EXPEDITING         | CO |
| APUB | AFTERNOON BRANCH PU       | CO |
| AQDL | A QUICK DELIVERY          | CO |
| ARCN | AIRCANADA - FREIGHT       | AF |
| ARDL | ARDMORE LOGISTICS         | MF |
| ARLO | AERO LOGISTICS            | CO |
| ARRO | ARROWPACK                 | MF |
| ASAF | ASSOCIATED GLOBAL SYSTEMS | AF |
| ASAP | ASAP DELIVERY             | CO |
| ASPL | ASAP EXPEDITING & LOGISTI | CO |
| ATCR | ATLANTA COURIER           | CO |
| ATFS | ATLAS FREIGHT SYSTEMS     | AF |
| ATIW | ATOMIC TRANSPORT          | MF |
| ATMG | AIR TRAFFIC MANAGEMENT    | CO |
| ATOM | ATOM DELIVERT             | CO |
| AVRT | AVERITT EXPRESS           | MF |
| AWFC | AIRWAYS FREIGHT CORP.     | AF |
| AXON | AXION LOGISTICS           | CO |

|      |                           |    |
|------|---------------------------|----|
| MIRT | MI RED TRUCK              | MT |
| MLMT | MEL MARTIN'S TRANSFER     | CO |
| MLRK | MALARK LOGISTICS          | MF |
| MLXP | MILAN EXPRESS COMPANY     | MF |
| MMDL | M & M DELIVERY            | CO |
| MMSG | MERCURY MESSENGER SERVICE | CO |
| MNLO | MENLO LOGISTICS           | CO |
| MOBD | MOTION BRANCH DELIVERY    | CO |
| MONT | MONTANA AIR CARTAGE       | MF |
| MORN | MORAN TRANSPORTATION CORP | MF |
| MPUB | MORNING BR PICK-UP        | CO |
| MREX | M & R EXPRESS             | CO |
| MRNU | TRANSPORT MORNEAU (RIKI)  | MF |
| MRYT | MURRY'S TRANSPORT         | CO |
| MSCA | MESCA FREIGHT SERVICES    | MF |
| MSDL | MOTION SHOP DELIVERY      | OT |
| MTNP | MOTION PICKUP             | MS |
| MTVL | MOUNTAIN VALLEY EXPRESS   | MF |
| MTXI | MR. TAXI                  | CO |
| MURT | MURRY'S TRUCKING          | CO |
| MUST | MUSTANG DELIVERY          | CO |
| MWME | MIDWEST MOTOR EXPRESS     | MF |
| MYRS | MYERS                     | CO |
| NAPA | NAPA                      | MF |
| NASH | NASHUA MOTOR EXPRESS      | MF |
| NATL | NATIONAL LOGISTICS        | CO |
| NATX | NATION'S EXPRESS          | CO |
| NCAB | NORTHWEST CAB             | CO |
| NCMD | NCM DELIVERY              | CO |
| NEBT | NEBRASKA TRANSPORT CO.    | MF |
| NEMF | NEW ENGLAND MOTOR FREIGHT | MF |
| NEWD | N-E-WHERE DELIVERY SERV.  | CO |
| NIPX | NIPPON EXPRESS            | AF |
| NKDL | NICK'S DELIVERY           | CO |
| NKLC | NICKEL'S CARTAGE          | CO |
| NMTF | N & M TRANSFER            | MF |
| NOPT | NORTH PARK TRANSPORTATION | MF |
| NOTS | NORRENBURNS TRUCK SERVICE | MF |
| NPME | NEW PENN MOTOR EXPRESS    | MF |
| NSKD | NISKU DISPATCH            | CO |
| NVXC | NOVEX COURIER             | CO |
| NWAG | NEW AGE TRUCK             | MF |
| NWPK | NORTHWEST PACKAGE DEL.    | CO |
| OAFT | OCEAN AIR FREIGHT         | AF |

|       |                           |    |      |                           |    |
|-------|---------------------------|----|------|---------------------------|----|
| AZDL  | A-2-Z DELIVERY            | CO | OAKH | OAK HARBOR FREIGHT LINES  | MF |
| B198  | RECON CENTER CHICAGO      | CO | ODFL | OLD DOMINION FREIGHT LINE | MF |
| BADG  | BADGER COURIER            | CO | OMSG | OUR MESSENGER COURIER SER | CO |
| BANT  | BANDSTRA TRANSPORTATION   | MF | OTDL | ON TIME DELIVERY          | CO |
| BBMT  | BRANCH TO BRANCH MEET     | MF | OTEX | ON TIME EXPRESS           | AF |
| BCMIX | BCM EXPRESS               | MF | OTGT | ON TARGET COURIER         | CO |
| BDDL  | BREAKDOWN DELIVERY        | CO | OTMS | ON TIME MESSENGER SERVICE | CO |
| BDDY  | BD DELIVERY               | CO | OURX | OUR EXPRESS               | MF |
| BECS  | BUSINESS EXP. COURIER SER | CO | OVCQ | OVERLAND TRANSPORT SYSTEM | MF |
| BENY  | BENNY'S                   | CO | OVEX | OVERNIGHT EXPEDITE        | CO |
| BEST  | BEST DELIVERY             | CO | OVFC | OVERLAND FREIGHT & COURIE | MF |
| BGCS  | B & G COURIER SERVICE     | CO | OVLN | TST OVERLAND EXPRESS      | MF |
| BGDS  | B&G DELIVERY SERVICE      | MF | OWFL | OVERLAND WEST FRT. LINES  | MF |
| BIGT  | BIG T DELIVERY            | CO | PACC | PACIFIC COASTAL AIRLINES  | AF |
| BLBM  | BLUEBIRD MESSENGER COURIE | CO | PACI | PRECISION AIR CARGO, INC. | AF |
| BLKH  | BLACK HORSE CARRIERS, INC | MF | PAFR | PILOT AIR FREIGHT         | AF |
| BLSC  | BLUE SKY COURIER          | CO | PAFW | PACIFIC ALASKA FREIGHTWAY | MF |
| BMDX  | BMD EXPEDITING            | CO | PALS | PROVINCIAL AIRLINES       | AF |
| BNGT  | BNG TRANSPORTATION        | MF | PAN2 | PANTHER II                | CO |
| BNST  | BNS TRANSPORT             | CO | PANA | PANAMA TRANSFER           | MF |
| BODS  | BOB'S DELIVERY SERVICE    | CO | PANP | PANALPINA INC.            | AF |
| BONI  | BONNY'S TAXI              | CO | PAQX | PAQUETE EXPRESS           | MF |
| BOUR  | BOURRET TRANSPORT         | MF | PARK | PARKLAND COURIER          | CO |
| BOYD  | BOYD TOTAL                | CO | PCEX | PRIORITY COURIER EXPERTS  | CO |
| BPDC  | BRANCH PICK - UP AT DC    | BD | PDCS | PLATINUM DIRECT DRIVE     | CO |
| BPUS  | BRANCH PICKUP AT SUPPLIER | WC | PDMT | PIEDMONT DELIVERY SERVICE | CO |
| BRDL  | BRIGHT DELIVERY SERVICE   | CO | PDQS | PDQ DELIVERY SERVICE      | CO |
| BRDX  | BORDER EXPRESS            | CO | PDSE | P.D.S. EXPRESS            | CO |
| BRET  | B & R ECKELS TRANSPORT    | MF | PELB | PELBER TRANSPORT          | MF |
| BRKC  | BREAKAWAY COURIER         | CO | PENT | PENINSULA TRUCK           | MF |
| BRLT  | BARREL TAXI               | CO | PGFR | PILOT GROUND FREIGHT      | MF |
| BRTC  | BROWN TRANSFER            | MF | PGLX | P.G. LITE EXPRESS LTD.    | CO |
| BRWC  | BRANCH WILL CALL          | WC | PHNX | PHOENIX COURIER           | CO |
| BRYN  | BRYAN TRUCK LINE          | MF | PHOA | PAHOA EXPRESS INC.        | CO |
| BSTS  | BEST SHIPPERS             | MF | PITD | PITT OHIO EXPRESS         | MF |
| BTXX  | BTX AIR EXPRESS           | AF | PJAX | PJAX                      | MF |
| BUFX  | BUFFALO AIR EXPRESS       | CO | PLAT | PLATINUM COURIER          | CO |
| BUSX  | BUS                       | CO | PLSI | PITTSBURGH LOGISTICS SYST | MF |
| BWAC  | BEST WAY AIR CARGO        | AF | PLSL | PLS LOGISTICS SERVICES    | MF |
| BWHS  | B & W HOT SHOT            | CO | PNMX | PARCEL & MORE EXPRESS     | CO |
| BYRS  | BYERS TRANSPORT           | MF | PRIC | PRICE TRUCK LINE          | MF |
| CA42  | CA42 HOT RUSH             | CO | PRIO | PRIORITY ONE              | CO |
| CA79  | CA79 "HOT - RUSH"         | CO | PRIX | PRIORITY EXPRESS          | MF |
| CA82  | CA82 PICK-UP AT CA78      | MF | PRON | PRONTO COURIER SERVICE    | CO |

|      |                           |    |
|------|---------------------------|----|
| CAEX | CAROLINA EXPRESS          | CO |
| CALO | CALIFORNIA OVERNIGHT      | CO |
| CANF | CANADIAN FREIGHTWAYS      | MF |
| CANP | CANADA POST               | MF |
| CAP1 | CAP AIR NEXT DAY          | AF |
| CAPD | CAP AIR DEFERRED          | AF |
| CAPF | CAP AIR FREIGHT SAME DAY  | AF |
| CAPL | CAP LOGISTICS             | MF |
| CAPS | CALIFORNIA PARCEL SERVICE | CO |
| CAPX | CAPITAL EXPRESS           | CO |
| CARC | CARROLL'S COURIER         | CO |
| CARD | CARDINAL COURIERS         | CO |
| CARS | CARRIERSTORE              | MF |
| CART | CARLILE TRANSPORTATION    | MF |
| CBKW | CABANO / KINGSWAY         | MF |
| CCCR | CC CARRIERS               | CO |
| CCDI | COMMON CARRIER DIRECT     | CO |
| CCYQ | CROSS COUNTRY COURIER     | MF |
| CEAM | CEVA AM PRIORITH          | AF |
| CENF | CENTRAL FREIGHT LINES     | MF |
| CETR | CENTRAL TRANSPORT         | MF |
| CETX | CENTEX DELIVERY           | MF |
| CEV2 | CEVA 2ND DAY              | AF |
| CEVA | CEVA LOGISTICS            | AF |
| CHEE | CHEESEMAN TRUCKING        | MF |
| CHRB | C.H. ROBINSON COMPANY     | MF |
| CHTA | CHEETAH TRANS. SYSTEM     | CO |
| CITY | CITY EXPRESS              | MF |
| CLIP | CLIPPER COUIER            | CO |
| CMNC | COMMON COURIER            | CO |
| CNAL | CANADIAN AIR              | AF |
| CNBL | CANNONBALL TRUCKING       | CO |
| CNCR | CENTRAL CARRIERS          | CO |
| CNNO | CANADIAN NORTH            | CO |
| CNWX | CON-WAY FREIGHT           | MF |
| CODL | COURIER ONE DELIVERY CO.  | CO |
| COLT | COLT MESSENGER SERVICE    | CO |
| COMX | COMOX PACIFIC EXPRESS     | MF |
| CORE | CORPORATE EXPRESS         | CO |
| COUD | COURIER DISPATCH          | CO |
| COYL | COYOTE LOGISTICS          | MF |
| COYT | COY TRANSPORTATION        | MF |
| CPKD | CAL PAK DELIVERY          | MF |
| CPMB | CUST.P/U AT MOTION BRANCH | CP |

|      |                           |    |
|------|---------------------------|----|
| PRTS | PARTS IN MOTION           | CO |
| PUCA | PU MONTREAL / CARDINAL TO | MF |
| PUR9 | PURO GROUND EXP 9AM       | MF |
| PURA | PUROLATOR AIR             | AF |
| PURC | PUROLATOR-COLLECT         | CO |
| PURE | PUROLATOR AIR 9 AM SERVIC | AF |
| PURF | PUROLATOR FREIGHT         | MF |
| PURO | PUROLATOR GROUND          | CO |
| PWRX | POWER EXPRESS             | CO |
| PYLE | A.DUIE PYLE INC.          | MF |
| PYOT | PYOTT EXPEDITE            | CO |
| QASW | QUICK AS A WINK COUR. LTD | CO |
| QC33 | QC33 DAILY TRUCK          | MF |
| QDEL | QUICK DELIVERY            | CO |
| QUIN | QUIN COURIER              | CO |
| QWEX | Q W EXPRESS               | MF |
| QXTI | QUIK-X TRANSPORTATION     | MF |
| RADC | RADIO CAB-TAXI            | CO |
| RBIT | RABBIT                    | CO |
| RCKS | ROCK TRANSFER             | MF |
| RDFS | ROADRUNNER FRT SYSTEM     | MF |
| RDNS | RDN SERVICES LLC          | CO |
| RDRC | RED RIVER COURIER         | CO |
| RDRN | ROADRUNNER                | CO |
| RDRY | ROADREADY TRANSFER        | MF |
| RDWA | ROADWAY AIR               | AF |
| RDWY | YRC-YELLOW/ROADWAY        | MF |
| REDI | RED EYE DELIVERIES        | CO |
| REDX | RED EXPRESS               | CO |
| REIM | YRC-REIMER                | MF |
| RELC | RELAY COURIER             | CO |
| RELD | RELIABLE DELIVERY         | CO |
| RELR | RELIABLE RUNNERS          | CO |
| RELX | RELAY EXPRESS             | CO |
| RETL | USF REDDAWAY TRUCK LINE   | MF |
| RILY | REILLY TRANSFER LTD       | MF |
| RKYR | ROCKY ROAD                | CO |
| RLTM | ROLL TIME                 | CO |
| RMDS | RAYLOC MERCHANDISE DIST.  | MF |
| RMTL | REIMERS TRUCK LINES       | MF |
| RNJC | R & J COURIER SERVICE     | CO |
| RNJD | R & J DELIVERY            | MF |
| RNLO | R&L CARRIERS              | MF |
| ROBT | ROBERT TRANSPORT          | MF |

|      |                           |    |      |                           |    |
|------|---------------------------|----|------|---------------------------|----|
| CPMI | CUSTOMER P/U @ MISSISSAUG | CO | ROCT | ROYAL CITY TAXI           | CO |
| CPUB | CUST. P/U @ BALTIMORE DC  | CD | ROCX | ROCKET EXPRESS            | CO |
| CPUD | CUSTOMER P/U @ DALLAS DC  | CD | ROYL | ROYAL COURIER INC.        | CO |
| CPUI | CUSTOMER PU @ CHICAGO DC  | CD | RPDE | RAPIDEC                   | CO |
| CPUL | CUSTOMER P/U LACHINE DC   | CD | RPDL | RAPID DELIVERY            | MF |
| CPUS | CUST. P/U AT SUPPLIER     | CF | RPMT | RPM TRANSPORTATION        | MF |
| CRAN | CRANBROOK EXPRESS         | MF | RSNT | ROSENAU TRANSPORT         | MF |
| CRDD | CARDINAL DEDICATED        | MF | RUDE | RUDE TRANSPORTATION COMPA | MF |
| CRGW | CARGO WEST                | CO | RUNX | RUNNERS EXPRESS           | MF |
| CRTF | COURTESY FREIGHT          | MF | RUPD | RUSH PACKAGE DELIVERY     | CO |
| CRTS | CARIBBEAN TRANSPORT SERV  | AF | RUSH | RUSH TRUCKING             | MF |
| CSOL | COURIER SOULTIONS, INC.   | CO | RXIC | ROSS' EXPRESS, INC.       | MF |
| CSTC | CUSTOM COMPANIES          | MF | RYDE | RYDER INTEGRATED LOGISTIC | MF |
| CTDL | CROSSTOWN DELIVERY        | CO | SAGT | SAGUELAC TRANSPORT        | MF |
| CTEX | CENTRAL TEXAS EXPRESS     | CO | SAIA | SAIA MOTOR FREIGHT LINE   | MF |
| CTYD | CITY DASH                 | CO | SAIG | SAIA GSS12 DLVY. 12 NOON  | MF |
| CTYP | CITY TRANSFER             | CO | SAND | SANDY'S PRIDE MESSENGER   | CO |
| CTYS | CITY SPRINT               | CO | SCHK | SCHENKER LOGISTICS        | AF |
| CURC | COURIER CONNECTION        | CO | SCS3 | UPS SPLY CHAIN SOL 3DAYNG | AF |
| CURD | COURIER DIRECT            | CO | SCSA | USP SPLY CHAIN SOL NDA GS | AF |
| CURN | COURIER NET               | CO | SCSE | UPS SPLY CHAIN SOL NDA NG | AF |
| CUSS | CUSTOM SERVICE            | CO | SCSG | UPS SPLY CHAIN SOL 2ND GS | AF |
| CUST | CUSTOM DELIVERIES         | CO | SCSS | UPS SPLY CHAIN SOL 2ND NG | AF |
| CUWC | CUSTOMER WILL CALL        | CO | SDAC | ABC SAME DAY AIR-COURIER  | CO |
| CVAL | COURRIER VALLEYFIELD      | CO | SDAG | ABC SAME DAY AIR-GROUND   | MF |
| CWAY | C-WAY                     | MF | SDAI | SAME DAY AIR INC.         | AF |
| CWCN | CON-WAY CANADA EXPRESS    | MF | SDDD | SAME DAY DELIVERY SERVICE | CO |
| CYCD | CYCLE DELIVERY SERVICE    | CO | SDDL | SAME DAY DELIVERY INC.    | CO |
| CYCL | CYCLONE COURIER           | CO | SDRA | SAMEDAY RIGHTWAY AIR FREI | AF |
| DAFG | DAYTON FREIGHT LINES      | MF | SDRG | SAMEDAY R AIR AMSERVIC    | AF |
| DASE | DASH HOUND EXPRESS LTD    | CO | SDRO | SAMEDAY RIGHT-O-WAY       | CO |
| DAYR | DAY & ROSS TRANSPORT      | MF | SEFG | SOUTHWEST NFG             | AF |
| DAYS | DAILY SHUTTLE             | CO | SEFL | SOUTHEASTERN FREIGHT LINE | MF |
| DBAD | DBA DISTRIBUTION          | AF | SEKO | SEKO AIR FREIGHT          | AF |
| DBAR | DISTRIBUTION BY AIR       | CO | SERJ | SERVICE TRANSPORT (STI)   | MF |
| DBBE | DOUBLE D EXPRESS          | MF | SFSY | SATURN FREIGHT SYSTEM     | MF |
| DCET | DCETRANSPORT              | CO | SHTD | SHOTGUN DELIVERY          | CO |
| DCEX | D C EXPRESS INC           | CO | SLDL | SALESMAN DELIVERY         | CO |
| DCPU | DC PICK-UP NON RUSH       | MF | SLSM | SALESMAN P U / CHICAGO    | CO |
| DEDX | DEDICATED EXPRESS         | CO | SMDR | SAMEDAY RITE AWAY         | CO |
| DEPD | DEPENDABLE DELIVERY       | CO | SMDY | SAMEDAY RIGHT-O-WAY       | MF |
| DFLT | DFLT                      | CO | SMOO | SMOOTH FREIGHT            | MF |
| DHL2 | DHL SECOND DAY            | AF | SMPL | SIMPLIFIED LOGISTICS      | MF |
| DHLA | DHL NEXT DAY AM           | AF | SMSG | SOUTHERN MESSENGER        | MF |

|      |                           |    |      |                           |    |
|------|---------------------------|----|------|---------------------------|----|
| DHLD | DHL GROUND SERVICE        | CO | SMTL | SOUTHWESTERN MOTOR TRANSP | MF |
| DHLG | DHL GLOBAL FORWARDING     | AF | SONA | SONIC AIR                 | AF |
| DHLN | DHL NEXT DAY NOON         | AF | SONT | SONIC TRANSPORT LTD.      | CO |
| DHLP | DHL NEXT DAY PM           | AF | SPAN | SPAN ALASKA TRANSPORTATIO | MF |
| DHLS | DHL SATURDAY              | AF | SPDE | SPEE-DEE DELIVERY         | MF |
| DHLW | DHLWORLDWIDE              | AF | SPDL | SPECIAL DELIVERY          | CO |
| DHRN | DOHRN TRANSFER CO.        | MF | SPKY | SPANKY'S                  | CO |
| DICM | DICOM                     | CO | SPRC | SP RICHARDS CO.           | MF |
| DIRD | DIRECT DELIVERY SERVICE   | CO | SPRD | SPRINT DELIVERY           | CO |
| DIRT | DIRECT TRANSPORT          | CO | SPSQ | SPEEDY DELIVERY           | CO |
| DIRX | DIRECT EXPRESS            | MF | SPTC | SPRINT COURIERS           | CO |
| DLSV | DL SERVICES               | CO | SPWC | SUPPLIER WILL CALL        | CO |
| DLYT | DAYLIGHT TRANSPORT        | MF | SSCL | SHOP SERVICE CALL         | OT |
| DMDL | DIAMOND DELIVERY SERIVCES | CO | SSEX | STRAIGHT SHOT EXPRESS     | CO |
| DMEX | D.M. EXPRESS              | CO | STAX | STAT EXPRESS DELIVERY     | CO |
| DOCS | DOC'S DELIVERY            | CO | STDF | STANDARD FORWARDING       | MF |
| DOGS | DIRECT ORGANIZED GROUND S | CO | STMP | STM PICKUP                | CO |
| DOND | DONE DEAL                 | MF | STRD | STAR DELIVERY             | CO |
| DRKD | DERRICK DISPATCH          | CO | STRT | STREETHAWK                | CO |
| DTRK | DAILY TRUCK               | MF | STRX | STRAIT EXPRESS            | CO |
| DTST | DATS TRUCKING             | MF | STWF | STATE WIDE FREIGHT        | MF |
| DUBL | DUGAN TRUCK LINE          | MF | SUDD | SUDDEN SERVICE            | CO |
| DUKE | DUKE'S HOT SHOT DELIVERY  | CO | SURH | SURE HAUL TRANSPORT       | CO |
| DUNR | DUNRITE                   | MF | SUST | SUPERSHOT                 | CO |
| DYNC | DYNAMEX DELIVERIES ON DEM | CO | SUTT | SUTTON TRANSPORT          | MF |
| DYNM | DYNAMEX DELIVERIES SCHEDU | MF | SVBA | SERVICE BY AIR            | AF |
| DYNX | DYNAMEX CANADA            | MF | SVNC | SEVERANCE TRUCKING CO.    | MF |
| EBDL | EAST BRANCH DELIVERY SERV | MF | SWFG | SOUTHWEST NFG             | AF |
| ECHO | EXECUTIVE CHOICE COURIER  | CO | SWIF | SWIFT COURIER             | CO |
| ECLR | LIVRAISON ECLAIR          | CO | SWOG | HAVE AL09 SHIP "WOG"      | MF |
| ECOL | ECHO GLOBAL LOGISTICS     | MF | TAEX | TEAM AIR EXPRESS          | AF |
| EDLS | EXPEDITING DELIVERY SERV. | CO | TASM | TASMANIA HOT SHOT         | CO |
| EDTL | EDSON TRUCK LOGISTICS     | MF | TAXB | TAXI+BUS                  | MF |
| EGFS | EAGLE FREIGHT SYSTEMS     | CO | TAXI | TAXI                      | CO |
| EGL1 | EAGLE GLOBAL NEXT DAY AIR | AF | TBSB | TBS BROKERAGE, LLC        | CO |
| ELFA | EXPEDITED LOG FRT SRV AIR | AF | TCDL | TOWN & COUNTRY DELIVERY   | CO |
| ELFS | EXPEDITED LOGISTICS FREIG | MF | TEXP | TEX-PACK                  | MF |
| ELTA | ELITE LOGISTICS           | AF | TEXT | THE EXPRESS TRANSPORTATIO | CO |
| ELTE | ELITE COURIER             | CO | TGLB | TRANSPORT GUILBAULT       | MF |
| EMOA | EMO TRANS GLOBAL LOGISTIC | AF | TGRC | TIGER COURIER             | CO |
| EMOO | EMO TRANS GLOBAL LOG      | OF | THCN | THE CONNECTION            | MF |
| EMOT | EMO TRANS                 | AF | THUN | THUNDERBOLT               | CO |
| EPIC | EPIC TRANSPORT            | MF | TIBO | THIBODEAU                 | MF |

|       |                           |    |
|-------|---------------------------|----|
| ESHIP | ESHIPPING                 | MF |
| ESTF  | ESTAFE                    | MF |
| EVAN  | EVANS TRANSPORTATION SERV | MF |
| EVRT  | EVER-RETTY COURIER        | CO |
| EX-1  | EXPRESS-1                 | CO |
| EXAM  | EXPRESS AMERICA           | CO |
| EXCR  | EXPRESS COURIER           | CO |
| EXDS  | EXPRESS DELIVERY SERVICE  | CO |
| EXEG  | EXEL GLOBAL LOGISTICS GRD | MF |
| EXEL  | EXEL GLOBAL LOGISTICS AIR | AF |
| EXIN  | EXPEDITORS INTERNATIONAL  | AF |
| EXLA  | ESTES EXPRESS LINES       | MF |
| EXLF  | EXPEDITED LOGISTICS FRGT. | CO |
| EXPI  | EXPRESS-IT DELIVERY       | CO |
| FACT  | 14TH AVE. CTG.            | CO |
| FADL  | FAST DELIVERY SERVICE     | CO |
| FAFL  | FAST AS FLITE             | MF |
| FAST  | FASTWAY COURIERS          | CO |
| FCMS  | FIRST CANADIAN MESSENGER  | CO |
| FCSL  | FCS LOGISTICS             | CO |
| FEDL  | FEDERATED LOGISTICS       | MF |
| FEES  | FEDEX EXPRS SAVER         | AF |
| FEFO  | FEDEX 1ST O/N BY 8A       | AF |
| FELT  | FEDEX LETTER              | AF |
| FEPK  | FEDEX PAK                 | AF |
| FESD  | FEDEX SAME DAY            | AF |
| FESF  | FEDEX EXPRS SAVER FREIGHT | AF |
| FESO  | FEDEX STANDARD OVERNIGHT  | AF |
| FEX2  | FEDEX 2DAY                | AF |
| FEXE  | FEDEX ECON 2DAY           | AF |
| FEXP  | FEDEX PRIOR O/N           | AF |
| FEXS  | FEDEX SATURDAY            | AF |
| FICG  | FEDEX INT CANADA GROUND   | MF |
| FIEC  | FEDEX INTL ECONOMY        | AF |
| FIPO  | FEDEX INT'L PRIORITY O/N  | AF |
| FIXF  | FEDEX INT.PRIORITY FREIGH | AF |
| FLSH  | FLASH COURIER             | CO |
| FNCH  | FINCH                     | CO |
| FNGD  | F&G DELIVERY LTD.         | CO |
| FORC  | FORCE TRANSPORTATION      | CO |
| FRLT  | FOLLOW ROUTING LETTER INS | MF |
| FRTF  | FREIGHT FLOW, LTD         | CO |
| FSCS  | FDX SUPPLY CHAIN SERVICES | MF |
| FSTC  | FAST LANE TRANS. & HOT SH | CO |

|      |                           |    |
|------|---------------------------|----|
| TIGT | TIGER TRANSPORTATION      | CO |
| TILL | T P FREIGHT LINES         | MF |
| TLCO | TRNSPT. LE COMMISSIONNAIR | CO |
| TMSD | TOMMY SMITH DELIVERY      | CO |
| TNIR | TRINITY TRANSPORTATION    | MF |
| TODA | TODAY SURE                | CO |
| TONA | DUPONT TRANS GLOBAL (TONA | MF |
| TOPD | TOP DAWG DELIVERY         | CO |
| TOTL | TOTAL DELIVERY            | MF |
| TOWE | TOWNE AIR FREIGHT         | MF |
| TPSV | THIRD PARTY SERVICES      | CO |
| TRAV | TRAVISA                   | MF |
| TRHS | TERRY'S HOT SHOT          | CO |
| TRKD | TROCKSTAD DELIVERY        | CO |
| TRKL | TRUCKLOAD SHIPMENT        | MF |
| TRNG | TRANSGROUP                | AF |
| TSEX | TRI-STATE EXPEDITE        | CO |
| TSLE | TS EXPRESS LOGISTICS      | MF |
| TX01 | SHIP WITH TX97 FREIGHT    | MF |
| TX2W | SHIP WITH TX97 FREIGHT    | MF |
| TX36 | SHIP WITH TX97 FREIGHT    | MF |
| TXAF | TAX-AIR FREIGHT           | MF |
| TXTR | TEXADA TRANSFER           | MF |
| UGFR | UPS FREIGHT               | MF |
| UNEX | UNITED EXPRESS            | CO |
| UNIG | UNISHIPPERS GROUND        | MF |
| UNIS | UNISHIPPERS               | AF |
| UNMS | UNITED MESSENGER          | CO |
| UNPP | U.P. SPECIAL DELIVERY     | MF |
| UNSN | UNYSON LOGISTICS          | MF |
| UP2A | UPS 2ND DAY AIR AM        | AF |
| UPCS | UPS STD. SERV-CANADA      | MF |
| UPEA | UPS SAT NDA EARLY AM DEL  | AF |
| UPEX | UPS WORLDWIDE EXPEDITED   | AF |
| UPGS | UPS SATURDAY NEXT DAY AIR | AF |
| UPNS | UPS N/D AIRSAVER 3PM      | AF |
| UPS2 | UPS 2ND DAY AIR SERVICE   | AF |
| UPS3 | UPS 3-DAY SELECT SERVICE  | AF |
| UPSE | UPS NEXT DAY AIR EARLY AM | AF |
| UPSG | UPS GROUND SERVICE        | MF |
| UPSN | UPS NEXT DAY AIR SERVICE  | AF |
| UPSX | UPS EXPRESS CRITICAL      | AF |
| UPWE | UPS WORLDWIDE EXPRESS     | AF |
| UPWS | UPS WORLDWIDE SAVER       | AF |

|      |                           |    |
|------|---------------------------|----|
| FX1D | FEDEX 1 DAY FREIGHT       | AF |
| FXCC | FEDEX CUSTOM CRITICAL     | CO |
| FXFE | FEDEX FRT. LTL PRIORITY   | MF |
| FXGL | FEDEX GLOBAL LOGISTICS    | MF |
| FXGR | FEDEX GROUND              | MF |
| FXNL | FEDEX FRT. LTL ECONOMY    | MF |
| FXSF | FEDEX SAT. 1ST O/N        | AF |
| GBEX | GAMBLE'S EXPRESS          | CO |
| GBNI | GABANNI                   | CO |
| GBUT | GUILBEAULT                | MF |
| GCEX | GREYHOUND COURIER EXPRESS | CO |
| GCHS | GULF COAST HOT SHOT       | CO |
| GDEL | GUARANTEED DELIVERY       | CO |
| GECO | GENCO                     | MF |
| GEOD | GEODIS WILSON             | OF |
| GEPS | GOLDEN STATE EARLY PRIORI | MF |
| GEWC | G.E. WILL CALL            | MF |
| GLBX | GLOBEX COURIER EXPRESS IN | CO |
| GLOB | GLOBAL COURIERS           | CO |
| GLOC | GLOBAL LOGISTICS          | MF |
| GNBO | GREYHOUND NEXT BUS OUT    | CO |
| GNUT | GREEN'S UNLIMITED TRANSP  | CO |
| GOFE | GOFORTH EXPRESS           | CO |
| GOFR | GO-FUR DELIVERY           | CO |
| GOJT | GOJIT                     | MF |
| GOPE | GOPHER EXPRESS            | CO |
| GOPH | GOPHER INDIANA INC.       | CO |
| GPCT | CONTACT GPC SHENZHEN      | OF |
| GREY | GREYHOUND LINES           | CO |
| GRFD | GRF'S DELIVERY            | MF |
| GRIM | GRIMSHAW TRUCKING         | MF |
| GRNC | GREEN CAB                 | CO |
| GSON | GOLDEN STATE OVERNIGHT    | MF |
| GTSG | GTS GROUP                 | MF |
| HARB | HARBOUR AIR               | AF |
| HATL | HALL'S L.C. TRUCK LINE IN | MF |
| HAYL | HAYLES TOWING             | CO |
| HDBP | HOLD AT WHSE FOR P/U      | MF |
| HDYF | HORIZON FREIGHTWAYS       | MF |
| HELW | HELLMAN WORLDWIDE         | AF |
| HELX | HELIX COURIER             | CO |
| HERC | HERCULES                  | MF |
| HFWS | HOLD FOR WEEKLY SHIPMENT  | MF |
| HHSD | HAZELS HOT SHOT DELIVERY  | CO |

|      |                           |    |
|------|---------------------------|----|
| USNF | U.S. NEXT FLIGHT          | AF |
| USPM | U.S. PRIORITY MAIL        | AF |
| USPS | U.S. POSTAL SERVICE       | MF |
| USRD | U.S. ROAD                 | MF |
| UTIA | UTI WORLDWIDE INC - AIR   | AF |
| UTSV | UNIVERSAL TRAFFIC SERVICE | CO |
| VCPU | VC'S PICK UP & DELIVERY   | CO |
| VERX | VERSATILE EXPRESS         | CO |
| VETS | VETERANS MESSENGER        | CO |
| VETX | VETERANS EXPRESS          | CO |
| VICT | VICTORY TRANSPORT SYSTEMS | CO |
| VIPC | VIP COURIER SERVICE       | CO |
| VIPT | V.I.P. TRANSFER           | CO |
| VITR | VITRAN EXPRESS            | MF |
| VNAF | VENDOR CHOICE AIR FREIGHT | AF |
| VNCH | VENDOR CHOICE             | MF |
| VNDC | VENDOR CHOICE (COURIER)   | CO |
| VNDL | VENDOR DELIVER            | MF |
| VNDO | VENDOR CHOICE OCEAN       | OF |
| VNDR | VENDOR DIRECT             | MF |
| VNKN | VAN KAM FREIGHTWAYS       | MF |
| VOLT | VOLUNTEER EXPRESS         | MF |
| VRNE | VERN'S EXPEDITING SERVICE | CO |
| WARD | WARD TRUCKING             | MF |
| WCDL | WEST CENTRAL DELIVERY     | CO |
| WCLL | WILL CALL                 | WC |
| WCNX | WESTERN CANADA EXPRESS    | MF |
| WCRT | WESTERN CARTAGE           | CO |
| WDSP | WESTERN DISPATCH          | MF |
| WEBE | WEST BEND TRANSIT         | MF |
| WILL | WILLERSON ENTERPRISES     | CO |
| WJET | WESTJET                   | AF |
| WOG7 | WITH OTHER GOODS TO AB07  | MF |
| WOGS | WITH OTHER GOODS          | MF |
| WOLF | WOLF TRANSPORT            | MF |
| WRLD | WORLD COURIER             | CO |
| WTGO | WAY TO GO COURIER SERVICE | CO |
| WTVA | WILSON TRUCKING           | MF |
| WTXP | WTX'PRESS                 | CO |
| WVAS | WERNER ENTERPRISES VAS    | MF |
| WWAT | WATKINS MOTOR LINES       | MF |
| WWEX | WORLDWIDE EXPRESS LOGISTI | MF |
| YDLS | YESTERDAY DELIVERY SERVIC | CO |
| YFEX | YELLOW EXACT EXPRESS      | MF |

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|      |                           |    |      |                    |    |
|------|---------------------------|----|------|--------------------|----|
| HHXP | H & H EXPRESS             | CO | YLCC | YELLOW CAB COMPANY | CO |
| HIAF | HAWAII AIR FREIGHT        | AF | ZEWL | ZEWALD TRUCKING    | CO |
| HLEX | HOTLINE EXPRESS           | CO | ZIPP | ZIPP EXPRESS       | CO |
| HMES | USF HOLLAND MOTOR EXPRESS | MF |      |                    |    |
| HOTS | HOT SHOTS                 | CO |      |                    |    |
| HOWT | HOTWHEELZ                 | CO |      |                    |    |
| HSDL | HOLLAND SPECIAL DELIVERY  | CO |      |                    |    |
| HUBG | HUB GROUP                 | MF |      |                    |    |
| HVRE | HAVRE SAINT PIERRE        | MF |      |                    |    |
| HWDQ | HOLLYWOOD DELIVERY SERVIC | MF |      |                    |    |
| HWY9 | HWY 9                     | MF |      |                    |    |
| HWYT | HI-WAY 13 TRANSPORT       | MF |      |                    |    |
| IBCL | INDL BREAKDOWN CO. LTD    | CO |      |                    |    |
| ICAT | ICAT LOGISTICS INC.       | CO |      |                    |    |
| IDDL | INDUSTRIALEX DELIVERY SER | CO |      |                    |    |
| IDSS | INDEPENDENT DELIVERY SRVC | CO |      |                    |    |
| IED1 | IED                       | CO |      |                    |    |
| IL30 | IL30 SCHEDULED PICKUP     | MF |      |                    |    |
| ILD1 | IL30 NIGHT TRUCK #1       | MF |      |                    |    |
| ILD2 | IL30 NIGHT TRUCK #2       | MF |      |                    |    |
| ILD3 | IL30 NIGHT TRUCK #3       | MF |      |                    |    |
| ILD4 | IL30 NIGHT TRUCK #4       | MF |      |                    |    |
| ILD5 | IL30 NIGHT TRUCK #5       | MF |      |                    |    |
| ILD6 | IL30 NIGHT TRUCK #6       | MF |      |                    |    |
| IOWA | IL30 IOWA RUN             | MF |      |                    |    |
| IPD1 | IPD                       | CO |      |                    |    |
| JACD | JAC RAPID DELIVERY        | CO |      |                    |    |
| JAHL | JAHN TRANSFER, INC.       | MF |      |                    |    |
| JAMI | JAMIESON                  | CO |      |                    |    |
| JETD | JET DELIVERY              | CO |      |                    |    |
| JNSE | JS EXPRESS                | CO |      |                    |    |
| JREX | J & R EXPRESS             | CO |      |                    |    |
| JRSD | J.R. SPECIAL DELIVERY     | CO |      |                    |    |
| JSLG | J.S. LOGISTICS            | CO |      |                    |    |
| JSPR | JASPER EXPRESS            | CO |      |                    |    |
| JUNG | JUNG EXPRESS              | CO |      |                    |    |
| KAVL | KAVANAGH LOGISTICS        | MF |      |                    |    |
| KEDL | KEYSTONE DEDICATED LOGIST | CO |      |                    |    |
| KINT | KINDERSLY TRANSPORT       | MF |      |                    |    |
| KNHD | K&H DISPATCH              | CO |      |                    |    |
| L-60 | LIVRAISON L-60 ENR.       | CO |      |                    |    |
| LACH | QC33-WITH OTHER GOODS     | MF |      |                    |    |
| LAND | LANDSTAR                  | MF |      |                    |    |
| LAXV | LAND-AIR EXPRESS          | MF |      |                    |    |

