

# A. Y. McDonald Mfg., Inc.

## EDI 850 Purchase Order Standards

Updated: 04/10/13

This 4010 version of the X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgement information.

### Heading Loop

Segment: **ST** – Transaction Set Header

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a purchase order and identify the control number

Segment Number	Data Element	Name	Attributes		
ST01	143	Transaction Set Identifier Code Value 850	M	ID	3/3
ST02	329	Transaction Set Control Number P.O. Originator Control Number	M	AN	4/9

Segment: **BEG** – Beginning Segment for Purchase Order

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Segment Number	Data Element	Name	Attributes		
BEG01	353	Transaction Set Purpose Code Value 00 – Original Order	M	ID	2/2
BEG02	929	Purchase Order Type Code (See X12 Standards)	M	ID	2/2
BEG03	324	Purchase Order Number Originators Purchase Order Number	M	AN	1/15
BEG05	373	Purchase order date (CCYYMMDD)	M	DT	8/8

Segment: **REF** – Reference Identification

Usage: Optional

Max Use: 1-3

Purpose: To indicate the A. Y. McDonald Quote Number(s)

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>REF01</b>	<b>128</b>	<b>Reference identification Qualifier</b> Value Q1 – Quote Number	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> (A. Y. Quote Number)	<b>M</b>	<b>AN</b>	<b>7</b>

Segment: **PER** – Administrative Communications Contact

Usage: Optional

Max Use: 1

Purpose: To identify a person or office to whom administrative communications should Be directed.

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b> IC – Information Contact BD- Buyer Name or Department	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>PER02</b>	<b>93</b>	<b>Name</b> (Originators Contact Name)	<b>O</b>	<b>AN</b>	<b>1/20</b>
<b>PER03</b>	<b>365</b>	<b>Communication Contact Number</b> TE – Telephone Number	<b>O</b>	<b>ID</b>	<b>2/2</b>
<b>PER04</b>	<b>364</b>	<b>Communication Number</b> Telephone Number	<b>O</b>	<b>ID</b>	<b>1/15</b>

Segment: **DTM** – Date/Time Reference

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates (delivery date)

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b> 002 – Delivery Requested 011 - Shipped 074 – Delivery Requested (Prior to and including)	<b>M</b>	<b>ID</b>	<b>3/3</b>
<b>DTM02</b>	<b>373</b>	<b>Date (CCYYMMDD)</b>	<b>M</b>	<b>DT</b>	<b>8/8</b>

Segment: **TD5** – Carrier Details

Usage: Optional

Max Use: 1

Purpose: To specify the carrier (if originator wants to use a specific carrier)

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>TD505</b>	<b>387</b>	<b>Routing</b> Ship via carrier name	<b>M</b>	<b>ID</b>	<b>1/20</b>

## **N1 Loop – Party Identification**

Segment: **N1** – Name

Usage: Mandatory

Max Use: 3

Purpose: To identify the vendor, bill to and ship to parties and their address

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> VN – Vendor BT – Bill to Party ST – Ship to Party	<b>M</b>	<b>ID</b>	<b>2/3</b>
<b>N102</b>	<b>93</b>	<b>Name</b> If N101 = VN, Vendors Name If N101 = BT, Bill to Party If N101 = ST, Ship to Party	<b>M</b>	<b>AN</b>	<b>1/30</b>
<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 92 – Assigned by Originator	<b>O</b>	<b>ID</b>	<b>1/2</b>
<b>N104</b>	<b>67</b>	<b>Identification Code</b> If N103 is present, then branch number If N101 = BT and sender has more than one branch this is mandatory	<b>X</b>	<b>AN</b>	<b>1/4</b>

Segment: **N3** – Address Information

Usage: Mandatory

Max Use: 3

Purpose: To specify the location of the named party

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>N301</b>	<b>166</b>	<b>Address Information</b> If N101 = VN, Vendors Address If N101 = BT, Bill to Address If N101 = ST, Ship to Address	<b>M</b>	<b>AN</b>	<b>1/30</b>
<b>N302</b>	<b>166</b>	<b>Address Information</b> If N101 = VN, Vendors Address If N101 = BT, Bill to Address If N101 = ST, Ship to Address	<b>M</b>	<b>AN</b>	<b>1/30</b>

Segment: **N4** – Geographic Location

Usage: Mandatory

Max Use: 3

Purpose: To specify the geographic location of the named party

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>N401</b>	<b>19</b>	<b>City Name</b> If N101 = VN, Vendors City If N101 = BT, Bill to City If N101 = ST, Ship to City	<b>M</b>	<b>AN</b>	<b>2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> If N101 = VN, Vendors State If N101 = BT, Bill to State If N101 = ST, Ship to State	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> If N101 = VN, Vendors Zip Code If N101 = BT, Bill to Zip Code If N101 = ST, Ship to Code	<b>M</b>	<b>ID</b>	<b>5/9</b>

## Detail Loop

Segment: **PO1** – Baseline item data

Usage: Mandatory

Max Use: 99

Purpose: To specify basic and most frequently used line item data

Segment Number	Data Element	Name	Attributes		
<b>PO101</b>	<b>350</b>	<b>Assigned Identification</b> Purchase Order Line Number	<b>M</b>	<b>AN</b>	<b>1/11</b>
<b>PO102</b>	<b>330</b>	<b>Quantity Ordered</b>	<b>X</b>	<b>R</b>	<b>1/7</b>
<b>PO103</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>PO104</b>	<b>212</b>	<b>Unit Price</b> 3 Decimal Places	<b>X</b>	<b>R</b>	<b>1/9</b>
<b>PO106</b>	<b>235</b>	<b>Product ID Qualifier</b> UI – UPC Consumer Package Code UP – UPC Consumer Package Code BP – Buyers Part Number VC = Vendors Part Number VP = Vendors Part Number	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>PO107</b>	<b>234</b>	<b>Product ID</b> If PO106 = UI or UP - A. Y. McDonald UPC Code If PO106 = BP – Buyers Part Number (PO108 & 109 need to included) If PO106 = VC/VP – A.Y. McDonald 7digit part number or model number	<b>M</b>	<b>AN</b>	<b>12</b>
<b>PO108</b>	<b>235</b>	<b>Product ID Qualifier</b> VC = Vendors Part Number VP = Vendors Part Number	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>PO109</b>	<b>234</b>	<b>Product ID</b> A. Y. McDonald 7 digit part number or model no.	<b>M</b>	<b>AN</b>	<b>12</b>

(UPC Code/ Part Number/Model Number information is available at our website in downloadable file format - [WWW.AYMCDONALD.COM](http://WWW.AYMCDONALD.COM))

Segment: **PID** – Product/Item Data

Usage: Mandatory

Max Use: 99

Purpose: To describe a product or process in coded or free form format

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>PID01</b>	<b>349</b>	<b>Item Description</b> F – Free form	<b>M</b>	<b>ID</b>	<b>1/1</b>
<b>PID05</b>	<b>352</b>	<b>Description</b> A. Y. McDonald Model No., Size and Description (also available at our website <a href="http://WWW.AYMCDONALD.COM">WWW.AYMCDONALD.COM</a> )	<b>X</b>	<b>AN</b>	<b>1/80</b>

### Summary Information

Segment: **CTT** – Transaction Totals

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set. This segment is intended to provide hash totals to validate transaction completeness.

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>CTT01</b>	<b>354</b>	<b>Number of Line Items</b> Number of Line Items in Transaction	<b>M</b>	<b>NO</b>	<b>1/6</b>
<b>CTT02</b>	<b>347</b>	<b>Hash Total</b> Total Number of Products on Purchase Order	<b>O</b>	<b>R</b>	<b>1/10</b>

Segment: **AMT** – Monetary Amount

Usage: Mandatory

Max Use: 1

Purpose: To indicate the total monetary amount

<b>Segment Number</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
<b>AMT01</b>	<b>522</b>	<b>Amount Qualifier Code</b> 5 - Total Invoice Amount	<b>M</b>	<b>ID</b>	<b>1/3</b>
<b>AMT02</b>	<b>782</b>	<b>Monetary Amount</b> Total dollar amount of P/O AMT*5*2105.674	<b>M</b>	<b>R</b>	<b>1/18</b>

The segments listed are the minimum standards A. Y. McDonald needs to process an EDI purchase order. There are other segments available for use within the X12 Purchase Order Standards and these may be used if necessary.