Eaton Supplier Invoice File Upload (XML option)
Version 2.0 – Nov 2005

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A supplier can upload an XML file of invoice data to Eaton for payment. An XML schema that must be referenced in the document root of each file defines the XML format used. The schema reference URL is http://xmlsilo.eaton.com/schema/EInvoicing/supplier-invoice.xsl The tags defined by this schema are described below.

Invoices: occur once per document, document root
Invoice: occurs once per invoice, unlimited within invoices

Name	Max Size	Notes
Supplier Sender-id	9, alphanumeric	Must be pre-assigned by Eaton. A Duns listing is provided per Eaton's Electronic Commerce Integration Team
Plant Receiver-id	9, alphanumeric	Eaton plant Duns where product ordered. A Duns listing is provided per Eaton's Electronic Commerce Integration Team
Invoice Number	22, alphanumeric	Supplier choice
Invoice Date	10, YYYY-MM-DD	Date invoice is submitted by supplier (standard XML date format)
PO Number	20, alphanumeric	May contain dash in 5th position. Must use original Eaton purchase order number
PO Creation Date	10, YYYY-MM-DD	Date PO issued by plant (standard XML date format)
Currency	3, alphanumeric	Refer to Eaton's Currency PDF
Packing Slip/Token Number	30, alphanumeric	Located on all shipping paperwork. This can be the packing list number or invoice number
Taxable	1 character	Y=taxable, N=not taxable
Tax-Rate	9, numeric (3 decimal)	Sales tax rate, not required on non-taxable
Tax-Amount	15, numeric (2 decimal)	Not sent on non-taxable invoices
Invoice Total	15, numeric (2 decimal)	Total of Extended Price amounts. Must be rounded to 2 decimal places.
Grand Total	15, numeric (2 decimal)	Item Total + Tax Amount rounded. Must be rounded to 2 decimal places.
Bill-to-Code	60 alphanumeric	Always use "Brook Park OH NAFSC"
Ship-to-Code	60, alphanumeric	Where product is shipped. A listing is provided per Eaton's Electronic Commerce Team

Items: occur once per invoice
Item: occurs at least once per items

Name	Max Size	Notes
Line-Item-Num	5, numeric	Using the PO number indicated above, choose the PO line number of the Eaton part ordered.
Quantity	15, numeric (2 decimal)	Quantity of units of basis-for-measure. Must be greater than or equal to "1" (i.e. Qty cannot be .05, but could be 1.05).
Basis-for-Measure	2	The unit of measure must match the purchase order. Refer to Eaton's Unit of Measure PDF
Price	15, numeric (5 decimal)	Item price on PO. Decimal point not required for whole dollar
Eaton-Part-Num	48	Buyer's item Part Number on PO
Product-Desc	60	Part/Item description (optional)
Supplier-Part-Num	48	Vendor's item Part Number on PO
Supplier-Part-Desc	60	Supplier part/item description
Release-Num	30, alphanumeric	Located on original PO (If no release/shipment number on the purchase order, please use a "1" on the invoice)
Extended-Price	15, numeric (2 decimal)	Qty Billed * Unit price. Must be rounded to 2 decimal places.

Helpful Hints/Requirements for Testing and Production

XML File

- Invoices: occur once per document, document root
- Invoice: occurs once per invoice, unlimited within invoices
- Items: occur once per invoice
- Item: occurs at least once per items

Invoice Number

- Electronic invoice numbers should follow the same format as those sent in by paper.

Eaton Release/Shipment Numbers

- Ensure release numbers do not have a dash (-), as this will cause the number to separate and error out in our Oracle system.
- Blanket orders include a release/shipment number that must be returned on the invoice. For discrete, one-time orders a release/shipment number is not sent, so the supplier should return a "1" on the invoice.
- A supplier should consult Eaton's Electronic Commerce Integration Team if unsure about what number should be used on the invoice

Unit of Measure

- The units of basis-for-measure must match the Eaton purchase order. Refer to Eaton's Unit of Measure PDF or ask Eaton's Electronic Commerce Integration team for a copy of the acceptable codes.

http://www.eaton.com/eaton/3/images/EDI810UOM.pdf

Quantity

- Quantity of units of basis-for-measure. Must be greater than or equal to "1" (i.e. Qty cannot be .05, but could be 1.05)

Price

- Unit Price must be greater than "0."

Totals

- Ensure the Invoice Total, Extended Price(s), Tax Amount (if applicable) and the Grand Total are all rounded to 2 decimal places. Round up if numbers 5-9 in the third position (i.e., 5234.78561 would round to 5234.79). No rounding if numbers 1-4 in third position (i.e., 5234.78341 would round to 5234.78).
- A supplier must also ensure that the Invoice Total and Grand Total are equal to the sum of the Extended Price(s) plus the Tax Amount (if applicable).

Currency

- Refer to Eaton's Currency PDF or consult with Eaton's Electronic Commerce Integration Team

(USD = US Dollars)

http://www.eaton.com/eaton/3/images/EDI810curr.pdf

Example Invoice

Sequence of Records:

```
<invoices>
  <invoice>
    <header>
      <sender-id/>
      <receiver-id/>
      <invoice-num/>
      <invoice-date/>
      <po-num/>
      <po-date/>
      <currency/>
      <token-num/>
      <taxable/>
      <tax-rate/>
      <tax-amount/>
      <invoice-total/>
      <grand-total/>
      <bill-to-code/>
      <ship-to-code/>
    </header>
    <items>
      <item>
        <line-item-num/>
        <quantity/>
        <basis-for-measure/>
        <price/>
        <eaton-part-num/>
        <product-desc/>
        <supplier-part-num/>
        <supplier-part-desc/>
        <release-num/>
        <extended-price/>
      </item>
    </items>
  </invoice>
</invoices>
```

Sample:


```xml
<?xml version="1.0" encoding="UTF-8">
<invoices xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://xmlsilo.eaton.com/schema/EInvoicing/supplier-invoice.xsl">
<invoices>
  <invoice>
    <header>
      <sender-id>005556956</sender-id>
      <receiver-id>014671221</receiver-id>
      <invoice-num>123456789</invoice-num>
      <invoice-date>2004-03-06</invoice-date>
      <po-num>4130-241581</po-num>
      <po-date>2004-02-27</po-date>
      <currency>USD</currency>
      <token-num>123456789123</token-num>
      <taxable>Y</taxable>
      <tax-rate>0.100</tax-rate>
      <tax-amount>0.2</tax-amount>
      <invoice-total>0.54</invoice-total>
      <grand-total>0.54</grand-total>
      <bill-to-code>FSC Brookpark Ohio Loc</bill-to-code>
      <ship-to-code>Arden NC Loc</ship-to-code>
    </header>
    <items>
      <item>
        <line-item-num>1</line-item-num>
        <quantity>20</quantity>
        <basis-for-measure>EA</basis-for-measure>
        <price>0.52370</price>
        <eaton-part-num>NL30</eaton-part-num>
        <product-desc>FREE FORM PRODUCT DESCRIPTION</product-desc>
        <supplier-part-num>OEM-NL-30</supplier-part-num>
        <supplier-part-desc>FREE FORM DESCRIPTION</supplier-part-desc>
        <release-num>1</release-num>
        <extended-price>20.52</extended-price>
      </item>
      <item>
        <line-item-num>2</line-item-num>
        <quantity>20</quantity>
        <basis-for-measure>EA</basis-for-measure>
        <price>0.52370</price>
        <eaton-part-num>NL30</eaton-part-num>
        <product-desc>FREE FORM PRODUCT DESCRIPTION</product-desc>
```

```
        <supplier-part-num>OEM-NL-30</supplier-part-num>
        <supplier-part-desc>FREE FORM DESCRIPTION</supplier-part-desc>
        <release-num>2</release-num>
        <extended-price>20.52</extended-price>
      </item>
    </items>
  </invoice>
</invoices>
```