Spare Part Purchase Order (v1.0)

Introduction

Spare Part purchase order

Spare Parts Purchase Order

Sample Preview

```
 1  <?xml version="1.0" standalone="yes"?>
 2  <DepotPartPurchaseOrder xmlns="">
 3    <MessageHeader>
 4      <MessageIdentifier>d3c8e3b5-fcee-464a-9ecd-fa5a57ddaf3c</MessageIdentifier>
 5      <MessageTypeDescription>PARTPURCHASEORDER</MessageTypeDescription>
 6      <MessageFunctionCode>4</MessageFunctionCode>
 7      <MessageDateTime>2020-06-30T09:22:47+02:00</MessageDateTime>
 8      <SenderIdentifier>PreConfiguredSenderName</SenderIdentifier>
 9      <SenderQualifier>PreConfiguredSenderQualifier</SenderQualifier>
10      <ReceiverIdentifier>PreConfiguredReceiverName</ReceiverIdentifier>
11    </MessageHeader>
12    <PartPurchaseOrder>
13      <ExternalReference>EXTPO02012846</ExternalReference>
14      <SupplierCode>PARTSUP1</SupplierCode>
15      <SupplierReference>SUPREF835653</SupplierReference>
16      <ContactPerson>M.T. Cicero</ContactPerson>
17      <DateOrdered>2020-06-30T09:35:00+02:00</DateOrdered>
18      <DateExpected>2020-07-02T00:00:00</DateExpected>
19      <WarehouseCode>ROT</WarehouseCode>
20      <DepartmentCode>REP1</DepartmentCode>
21      <PartPurchaseOrderLine>
22        <ExternalIdentifier>L001</ExternalIdentifier>
23        <PartCode>MM4</PartCode>
24        <Quantity>12</Quantity>
25        <PartStatus>Ordered</PartStatus>
26      </PartPurchaseOrderLine>
27      <PartPurchaseOrderLine>
28        <ExternalIdentifier>L002</ExternalIdentifier>
29        <PartCode>MM8</PartCode>
30        <Quantity>20</Quantity>
31        <PartStatus>Delivered</PartStatus>
32        <DateReceived>2020-04-01T00:00:00</DateReceived>
```

```
33        </PartPurchaseOrderLine>
34        <PartPurchaseOrderLine>
35            <ExternalIdentifier>L003</ExternalIdentifier>
36            <PartCode>MM6</PartCode>
37            <SupplierPartCode>SPC01</SupplierPartCode>
38            <Caption>Part description in external system</Caption>
39            <Quantity>11</Quantity>
40            <PartPrice>3.00</PartPrice>
41            <InvoiceNumbers>INV000001, INV000002</InvoiceNumbers>
42            <PartStatus>Concept</PartStatus>
43            <WarehouseCode>AMS</WarehouseCode>
44        </PartPurchaseOrderLine>
45        <PartPurchaseOrderRemark>
46            <RemarkGuid>e9194723-daa4-4388-9f8d-ef6b88c28b9a</RemarkGuid>
47            <Timestamp>2020-06-30T10:28:00+02:00</Timestamp>
48            <Author>M.T. Cicero</Author>
49            <Remark>Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor.
50            Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.</
51        </PartPurchaseOrderRemark>
52        <PartPurchaseOrderRemark>
53            <RemarkGuid>76f70675-28af-4916-9a6d-3ac5bf1a51b5</RemarkGuid>
54            <Timestamp>2020-06-30T10:29:00+02:00</Timestamp>
55            <Author>J.L. Picard</Author>
56            <Remark>Ad eundum quo nemo ante iit</Remark>
57        </PartPurchaseOrderRemark>
58    </PartPurchaseOrder>
59 </DepotPartPurchaseOrder>
```

Definition

Complextype elements

Group element	Explanation
<DepotPartPurchaseOrder>	Root element of this message.
\<MessageHeader>	Message header. Exactly ONE \<MessageHeader> element must be present.
\<PartPurchaseOrder>	Complex element representing a single purchase order. At LEAST ONE \<PartPurchaseOrder> element must be present.
\\<PartPurchaseOrderLine>	Complex element representing a purchase order line. At LEAST ONE \<PartPurchaseOrderLine> element must be present per purchase order.
\\<PartPurchaseOrderRemark>	Complex element representing a purchase order remark. \<PartPurchaseOrderRemark> elements are not ot required, but multiple may be present per purchase order.

Simpletype elements

\<MessageHeader>	Datatype	Requirements	Explanation
MessageIdentifier	xs:string (constrained to msdata: System.Guid)	Required	Unique message identifier (GUID)
MessageTypeDescription	xs:string	Required, Enumeration	Constrained to this code: • PARTPURCHASEORDER
MessageDateTime	xs:dateTime	Required	Message date and time in XML dateTim
MessageFunction	xs:int	Required, Enumeration	Code indicating the function of the mess • 1 = Cancellation/Archive • 4 = Change/Update • 9 = Original/New
SenderQualifier	xs:string	Recommended, maxLength=64	Agreed qualifier for sender identification
SenderIdentifier	xs:string	Required, maxLength=64	Agreed sender identification.

ReceiverIdentifier	xs:string	Required, maxLength=64	Agreed receiver identification.

\<PartPurchaseOrder>	Datatype	Requirements	Explanation
ExternalReference	xs:string	**Required**, Unique, maxLength=64	The unique purchase order reference in the external application. Used to identify the purchase order.
SupplierCode	xs:string	**Required**, maxLength=64	Code to uniquely identify the part supplier.
SupplierReference	xs:string	maxLength=64	The supplier's purchase order reference
ContactPerson	xs:string	maxLength=256	The full name of the contact person
DateOrdered	xs:datetime		The date/time the order was placed at the supplier
DateExpected	xs:datetime		The date/time parts are expected to be delivered. (Usually only the date is relevant so the time can be sent as 00:00:00)
WarehouseCode	xs:string	**Conditionally required**, maxLength=32	Code to uniquely identify the warehouse where parts are delivered.
DepartmentCode	xs:string	maxLength=32	Code to uniquely identify the department for which the order was placed.

\\<PartPurchaseOrderLine>	Datatype	Requirements	Explanation
ExternalIdentifier	xs:string	**Required**, maxLength = 32	Unique line identifier in the external application.
PartCode	xs:string	**Required**, maxLength = 64	Part code as registered in external software. Used to uniquely identify the part
SupplierPartCode	xs:string	maxLength = 64	Part code as used by the supplier for this part.
Caption	xs:string		Description of the part
Quantity	xs:double	**Required**	Quantity of parts being ordered
PartPrice	xs:double		Description of the part
InvoiceNumbers	xs:string	maxLength = 128	Free text field for (comma-separated) invoice number relevant to this purchase order line
PartStatus	xs:string	**Required**, enumeration restriction	The order status of the purchase order line. Only the following literal values are allowed: • Concept • Cancelled • Ordered • Backorder • Delivered
WarehouseCode	xs:string	**Conditionally required**, maxLength = 32	Code to uniquely identify the warehouse where parts are delivered.
DateReceived	xs:datetime		Date and time parts were delivered. If the part status is not *Delivered*, the value will be ignored. If the value is not provided, the date and time of receiving the message will be used if the part status is *Delivered*.

\\<PartPurchaseOrderRemark>	Datatype	Requirements	Explanation
RemarkGuid	xs:string (guid)	**Required**, restricted to msdata:guid	GUID to uniquely identify the remark. The same guid must be used in subsequent message such that external software can identify it as an already existing remark. Remarks with an unknown GUID will be considered as new remarks.
Timestame	xs:datetime		Timestamp of the remark
Author	xs:string	maxLength = 255	Name of the author of the remark
Remark	xs:string		Free text remark

Considerations

Purchase order status

When all purchase order lines have either status *Delivered* or status *Cancelled*, the purchase order status will be changed to *Received*, and the *date received* of the purchase order will be the latest of the date *received* dates of the purchase order lines

Partial deliveries

Partial deliveries can be accomplished by sending in split lines: The quantity of the original purchase order line must be changed to the quantity actually received, and it be sent in with status *Delivered*. For the remaining parts, a new line can be sent in with status *Ordered* or *Backorder*

Multi-entity

The Entity of the Purchase order will be determined based on selected supplierh. If a supplier delivers to multiple entities, the supplier is registered multiple times - once for each entity.

In order to uniquely select a supplier by its code, either of the following approaches must be followed:

- Suppliers must have a different, unique code even between entities, or…
- Separate EDI settings must be configured for each entity, meaning the sender must specify the messages target entity by using a specific ReceiverIdentifier for each entity.

Warehouse codes must be unique over all offices and entities.