Order API Specification

Introduction

The Order API allows you to send orders to SPOKE automatically without having to key in information manually into the B2B portal.

You will be provided with credentials to access the API. These credentials can be used to access a staging and production environment. Staging should be used for development and testing. Once everything is approved by SPOKE, your credentials will be moved to production and one final test run will be done on production.

All API calls are sent to a single URL. Both environment URLs are listed below.

Staging:
http://api-staging.spokecustom.com/order/submit

Production:
http://api.spokecustom.com/order/submit

XML Elements

Each call to the API will be a POST request with XML in the body. Each request is made up of the following elements. NOTE: All XML Elements are case sensitive.

```xml
<?xml version="1.0" encoding="utf8" ?>
<Request>
  <Customer>CustomerName</Customer>
  <RequestType>New/Update/Cancel</RequestType>
  <Key>1234554321123450</Key>
  <Logo>
    <ImageType>jpg</ImageType>
    <Url>http://MyLogoImage.com/logo.jpg</Url>
  </Logo>
  <Order>
    ...
  </Order>
</Request>
```

Element	Required	Description
Request	Yes	Container for the POST request.
Customer	Yes	Unique Customer Name provided by SPOKE.
RequestType	Yes	**New** - Create a new order. **Update -** Modify an existing order. **Cancel -** Cancel an order that hasn't started processing.
Key	Yes	Unique key provided by SPOKE.
Logo	No	Container for your Logo image.
Logo/ImageType	Conditional	Required if Logo is present. The file extension for the file referenced in the URL.
Logo/Url	Conditional	Required if Logo is present. The URL of the logo file you would like us to use on any documents created on your behalf. We recommend an image size no bigger than 400 pixels by 400 pixels.
Order	Yes	Container for the Order information. This element allows different fields based on the request type.

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New Order Elements

To create a new order you would send a POST with a RequestType of 'New' and an Order element with the required child elements.

Element	Required	Description
OrderId	Yes	Your internal order number. Must be a number.
ShippingMethod	Yes	We offer five shipping methods. You can define them with your account manager and each is represented by one of the placeholders below. The descriptions of each placeholder is for reference only. ● **FC** - First Class ● **PM** - Priority Mail ● **TD** - Tracked Delivery ● **SD** - Second Day ● **ON** - Overnight For example, you can have FC be USPS First Class Mail, PM and TD be USPS Priority, SD be FedEx 2nd Day, and ON be FedEx Overnight. These can be defined as any shipping method we offer. In addition, international shipments can have a different set of methods.
PackSlip	No	Container for a custom packaging slip provided by you. This feature has to be turned on by your project manager. If you send the element without activating then the production room will still produce and ship our packing slip. The prefered format is PDF.
PackSlip/ImageType	Conditional	Required if PackSlip is present. The file extension for the file referenced in the URL.

PackSlip/Url	Conditional	Required if PackSlip is present. The URL of the file to be downloaded.
Comments	No	Container for production comments. Any comments at the Order level are applied to all cases in the order.
Comments/Comment	Conditional	Required if Comments is present. Container for an individual comment. You can have many comments.
Comments/Comment/Type	Conditional	Required if Comment is present. There are two types of comments: ● **Printer** - Will be displayed before production. ● **Packaging** - Will be displayed during packout.
Comments/Comment/CommentText	Conditional	Required if Comment is present. This is the actual comment.
OrderInfo	Yes	Container for order shipping information.
OrderInfo/FirstName	Yes	Customer's first name.
OrderInfo/LastName	Yes	Customer's last name.
OrderInfo/Address1	Yes	Shipping address.
OrderInfo/Address2	No	Additional shipping address.
OrderInfo/City	Yes	Shipping city.
OrderInfo/State	Yes	Shipping state. If this is an international order with no state/province then send the city.
OrderInfo/PostalCode	Yes	Shipping postal code.
OrderInfo/CountryCode	Yes	Two character country code (US - United States).
OrderInfo/PhoneNumber	Yes	Shipping phone number. Will be used when creating the shipping label. If there is no phone for the order then put the number you want the shipper

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		to call if problems arise during delivery.
OrderInfo/PurchaseOrderNumber	No	Your internal PO number. If none passed then the OrderId element will be used. The PO number will be printed on the stock packing slip.
OrderInfo/GiftMessage	No	Gift message. A max of 255 characters.
OrderInfo/PackSlipCustomInfo	No	Container for a custom address to replace your address on the stock packing slip.
OrderInfo/PackSlipCustomInfo/ Text1 … Text6	No	Up to six lines of text to be used as the replacement information.
OrderInfo/Prices	No	Container for order prices. Note: We store pricing as cents to alleviate possible mathematical rounding errors.
OrderInfo/Prices/DisplayOnPackingSlip	No	Show the prices for the order on the packing slip? ● **Yes** - The prices will be shown for each item and totaled at the bottom of the packing slip. ● **No** - Prices will NOT be shown on the packing slip. Default is '**No**'.
OrderInfo/Prices/CurrencySymbol	No	The currency symbol to be used when displaying the pricing. Default is '$' (USD).
OrderInfo/Prices/TaxCents	No	The tax price converted to cents. For example, a tax of $2.45 would be passed as 245.
OrderInfo/Prices/ShippingCents	No	The shipping price converted to cents.
OrderInfo/Prices/DiscountCents	No	If there is a discount/promo applied to

		the order then that discount is passed here. When calculating the total the discount cents are subtracted from the subtotal. For example, if the discount is five dollars off the order then you would pass 500.
OrderInfo/ShippingLabelReference1	No	Currently works only with UPS. If ShippingLabelReference1 and ShippingLabelReference2 are sent then both will be printed on the UPS shipping label. No PO # will be displayed on the shipping label. If one the fields is sent then that field and PO # will be printed on the UPS shipping label.
OrderInfo/ShippingLabelReference2	No	Currently works only with UPS. If ShippingLabelReference1 and ShippingLabelReference2 are sent then both will be printed on the UPS shipping label. No PO # will be displayed on the shipping label. If one the fields is sent then that field and PO # will be printed on the UPS shipping label.
Cases	Yes	Container for one or more CaseInfo elements.
Cases/CaseInfo	Yes	Container for each case in the order.
Cases/CaseInfo/CaseId	Yes	A unique number for each case. This is typically your internal line item ID for the case.
Cases/CaseInfo/CaseType	Yes	The code specifying which product will be produced. ● iph4bt (iPhone4 Barely There) ● iph4tough (iPhone4 Tough) ● iph4vibe (iPhone4 Vibe) ● iph4xtreme (iPhone4 Tough Extreme) ● iph3bt (iPhone3 Barely There) ● iph3tough (iPhone3 Tough)

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		- ipt4gbt (iPod 4G Barely There) - bb9900bt (Blackberry 9900 Barely There) - kindlefirebt (Kindle Fire Barely There) - ssgs3vibe (Samsung Galaxy S III Tough / Vibe) - iph5cbt (iPhone5C Barely There) - iph5bt (iPhone5 Barely There) - iph5vibe (iPhone5 Tough / Vibe) - iph5xtreme (iPhone 5 Tough Xtreme) - ipad4bt (iPad 2/3/4 Barely There) - ipadairbt (iPad Air Barely There) - ipadminitough (iPad Mini Tough) - ipadminibt (iPad Mini w/ Retina Barely There) - ipt5gbt (iPod Touch 5G Barely There) - ssgn2tough (Samsung Galaxy Note 2 Tough) - bbz10tough (Blackberry 10 Tough) - ssgs4bt (Samsung Galaxy S4 Barley There) - ssgs4vibe (Samsung Galaxy S4 Tough / Vibe)
Cases/CaseInfo/Quantity	Yes	Number of cases with this image.
Cases/CaseInfo/PrintImage	Yes	Container for the design to be applied to the case. There are two options when sending the PrintImage. - If you are integrating the IMMC Customizer then you will send just the four character design Id posted to your shopping cart. - If you are sending us the image directly then you will send the

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		URL of the file to download. This image should be to the specifications for the product being printed on. Check with your account manager for templates.
Cases/CaseInfo/PrintImage/ImageType	Yes	If you are providing the design Id then the value should be **'design'**. If you are sending the file then this is the file extension for the file referenced in the URL (tiff, jpg, etc).
Cases/CaseInfo/PrintImage/Url	Yes	The seven character design Id or the URL of the file to be downloaded.
Cases/CaseInfo/QcImage	No	Container for a thumbnail representation of the finished product. If not present then the image will be created from the print image by rotating by 90 degrees and resizing to width of 400 pixels.
Cases/CaseInfo/QcImage/ImageType	Conditional	The file extension for the file referenced in the URL.
Cases/CaseInfo/QcImage/Url	Conditional	The URL of the file to be downloaded.
Cases/CaseInfo/Prices	No	Container for case prices. Note: We store pricing as cents to alleviate possible mathematical rounding errors.
Cases/CaseInfo/CurrencySymbol	No	The currency symbol to be used when displaying the pricing. Default is '$' (USD).
Cases/CaseInfo/RetailCents	No	The retail price of the case converted to cents. This is the per unit price.
Cases/CaseInfo/DiscountCents	No	If there is a discount/promo applied to the case then that discount is passed here. When calculating the total the

| | | discount cents are subtracted from the retail cents. For example, if the discount is five dollars off the case then you would pass 500.

The is the per unit discount. |
|---|---|---|
| Cases/CaseInfo/Comments | No | Container for production comments. Any comments at the Order level are applied to all cases in the order. |
| Cases/CaseInfo/Comments/Comment | Conditional | Required if Comments is present. Container for an individual comment. You can have many comments. |
| Cases/CaseInfo/Comments/Comment/ Type | Conditional | Required if Comment is present. There are two types of comments:

● **Printer** - Will be displayed before production.
● **Packaging** - Will be displayed during packout. |
| Cases/CaseInfo/Comments/Comment/ CommentText | Conditional | Required if Comment is present. This is the actual comment. |

XML Example:

```xml
<?xml version="1.0" encoding="utf8" ?>
<Request>
  <Customer>CustomerName</Customer>
  <RequestType>New</RequestType>
  <Key>1234554321123450</Key>
  <Logo>
    <ImageType>jpg</ImageType>
    <Url>http://MyLogoImage.com/logo.jpg</Url>
  </Logo>
  <Order>
    <OrderId>CustomerOrderNumber</OrderId>
    <ShippingMethod>FC</ShippingMethod>
    <PackSlip>
      <ImageType>jpg</ImageType>
      <Url>http://PackingSlipImage.com/packslip.jpg</Url>
    </PackSlip>
    <Comments>
```

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```xml
      <Comment>
        <Type>Packaging</Type>
        <CommentText>Custom Sticker</CommentText>
      </Comment>
    </Comments>
    <OrderInfo>
      <FirstName>John</FirstName>
      <LastName>Customer</LastName>
      <Address1>1 Main Street</Address1>
      <Address2></Address2>
      <City>Atlanta</City>
      <State>GA</State>
      <PostalCode>30084</PostalCode>
      <CountryCode>US</CountryCode>
      <OrderDate>11/08/2011</OrderDate>
      <PhoneNumber>4045559000</PhoneNumber>
      <PurchaseOrderNumber>PO</PurchaseOrderNumber>
      <GiftMessage>Thanks for your purchase!</GiftMessage>
      <PackSlipCustomInfo>
        <Text1></Text1>
        <Text2></Text2>
        <Text3></Text3>
        <Text4></Text4>
        <Text5></Text5>
        <Text6></Text6>
      </PackSlipCustomInfo>
      <Prices>
        <DisplayOnPackingSlip>Yes</DisplayOnPackingSlip>
        <CurrencySymbol>$</CurrencySymbol>
        <TaxCents>245</TaxCents>
        <ShippingCents>450</ShippingCents>
        <DiscountCents>500</DiscountCents>
      </Prices>
    </OrderInfo>
    <Cases>
      <CaseInfo>
        <CaseId>10001</CaseId>
        <CaseType>iph4bt</CaseType>
        <Quantity>1</Quantity>
        <QcImage>
          <ImageType>jpg</ImageType>
          <Url>http://qcimage.com</Url>
        </QcImage>
        <Prices>
          <CurrencySymbol>$</CurrencySymbol>
```

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```xml
          <RetailCents>1000</RetailCents>
          <DiscountCents>0</DiscountCents>
        </Prices>
      </CaseInfo>
      <CaseInfo>
        <CaseId>10002</CaseId>
        <CaseType>iph4tough</CaseType>
        <Quantity>1</Quantity>
        <PrintImage>
          <ImageType>tiff</ImageType>
          <Url>http://printimage.com</Url>
        </PrintImage>
        <QcImage>
          <ImageType>jpg</ImageType>
          <Url>http://qcimage.com</Url>
        </QcImage>
        <Prices>
          <CurrencySymbol>$</CurrencySymbol>
          <RetailCents>1500</RetailCents>
          <DiscountCents>500</DiscountCents>
        </Prices>
        <Comments>
          <Comment>
            <Type>Packaging</Type>
            <CommentText>Other Custom Sticker</CommentText>
          </Comment>
        </Comments>
      </CaseInfo>
    </Cases>
  </Order>
</Request>
```

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Update Order Elements

To update an order you would send a POST with a RequestType of 'Update' and an Order element with the required child elements. You can update most of the order information while the case is still in production. Once the shipping label is printed the API will not allow updates. At this time we do not support item level changes. If you need to add quantity or remove cases then the whole order should be cancelled and re-submitted.

Element	Required	Description
OrderId	Yes	Your internal order number. Must be a number.
OrderInfo	Yes	Container for order shipping information.
OrderInfo/FirstName	Yes	Customer's first name.
OrderInfo/LastName	Yes	Customer's last name.
OrderInfo/Address1	Yes	Shipping address.
OrderInfo/Address2	No	Additional shipping address.
OrderInfo/City	Yes	Shipping city.
OrderInfo/State	Yes	Shipping state. If this is an international order with no state/province then send the city.
OrderInfo/PostalCode	Yes	Shipping postal code.
OrderInfo/CountryCode	Yes	Two character country code (US - United States).
OrderInfo/OrderDate	Yes	Date and time of the order.
OrderInfo/PhoneNumber	Yes	Shipping phone number. Will be used when creating the shipping label. If there is no phone for the order then put the number you want the shipper to call if problems arise during delivery.
OrderInfo/PurchaseOrderNumber	No	Your internal PO number. If none passed then the OrderId element will be used. The PO number will be printed on the stock packing slip.

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OrderInfo/GiftMessage	No	Gift message. A max of 255 characters.

XML Example:

```xml
<?xml version="1.0" encoding="utf8" ?>
<Request>
  <Customer>CustomerName</Customer>
  <RequestType>Update</RequestType>
  <Key>1234554321123450</Key>
  <Order>
    <OrderId>CustomerOrderNumber</OrderId>
    <OrderInfo>
      <FirstName>John</FirstName>
      <LastName>Customer</LastName>
      <Address1>1 Main Street</Address1>
      <Address2></Address2>
      <City>Atlanta</City>
      <State>GA</State>
      <PostalCode>30084</PostalCode>
      <CountryCode>US</CountryCode>
      <OrderDate>11/08/2011</OrderDate>
      <PhoneNumber>4045559000</PhoneNumber>
      <PurchaseOrderNumber>PO</PurchaseOrderNumber>
      <GiftMessage></GiftMessage>
    </OrderInfo>
  </Order>
</Request>
```

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Cancel Order Elements

To cancel an order you would send a POST with a RequestType of 'Cancel' and an Order element with the required child elements. You can only cancel an order that has not started production. If you send a cancel request once the case has started production the API will return an error.

Element	Required	Description
OrderId	Yes	Your internal order number. Must be a number.

XML Example:

```xml
<?xml version="1.0" encoding="utf8" ?>
<Request>
  <Customer>CustomerName</Customer>
  <RequestType>Cancel</RequestType>
  <Key>1234554321123450</Key>
  <Order>
    <OrderId>CustomerOrderNumber</OrderId>
  </Order>
</Request>
```

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XML Responses

All requests to the Custom Case API will receive an XML response in one of two formats.

If the request was successful, the response will look like this:

```xml
<?xml version="1.0" encoding="utf8" ?>
<ResponseSuccess>
  <result>Success</result>
  <time>11/10/2011 03:50:28 05:00</time>
  <immc_id>12345</immc_id>
</ResponseSuccess>
```

Note: The immc_id is SPOKE's internal Order ID of the order that was submitted or cancelled. This is for your reference only.

If the request failed, the response will look like this:

```xml
<?xml version="1.0" encoding="utf8" ?>
<ResponseError>
  <result>Error</result>
  <time>11/10/2011 03:50:28 05:00</time>
  <message>Descriptive message explaining the error</message>
</ResponseError>
```

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Shipment Notifications

When SPOKE ships orders, a notification will be sent in XML format. These notifications can either be posted to a URL or sent through an email. The format of the notification XML is as follows:

```xml
<OrderShipments>
  <OrderShipment>
    <ReceiptId>SPOKE Order Id</ReceiptId>
    <OrderId>Customer Order Id</OrderId>
    <Provider>Shipping Provider (UPS, Fedex, etc)</Provider>
    <ShippingMethod>First Class, 2nd day air, etc.</ShippingMethod>
    <TrackingNumber></TrackingNumber>
  </OrderShipment>
  <OrderShipment>
    …
  </OrderShipment>
</OrderShipments>
```

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