



## eCompli submitProduct Web Service

### Version 1.0

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The **submitProduct** web service is a function accessed through a Simple Object Access Protocol (SOAP) interface that sends product information to the eCompli compliance engine and returns result parameters. This allows third-party Point of Sale (PoS) and order management systems to add products to eCompli automatically. When products are added in this way, they appear in the eCompli Products screen and can be registered in required states. Once a product is stored using **submitProduct**, the web services function **submitInvoiceLine** can retrieve this product information using only the SKU.

The eCompli **submitProduct** web service provides the following functionality:

- Allows remote importation of wine, beer and spirits products in eCompli
- Allows products to be retired or unretired
- Enables product "lookup" by the **submitInvoiceLine** web service

The function and data structures used to submit product data are defined by a Web Services Description Language (WSDL) file located at:

[https://www.compli-beverage.com/services/product\\_server.php?wsdl](https://www.compli-beverage.com/services/product_server.php?wsdl).

The function looks like this:

```
result = submitProduct(product)
```

The **product** structure contains two access elements and two control elements. The access elements are **accountNumber** and **accountKey**. These must be obtained from a Compli representative and included in each instance of the **product** structure. These access elements identify an eCompli enterprise and client account.

The control elements are called **command** and **mode**. The **command** parameters specify whether the product data is to be added to the eCompli compliance engine, or if an existing product should be retired or unretired. The **mode** parameters specify whether the command is to be executed or operated as a test.

The **submitProduct()** function returns a data structure called **result**. The elements in **result** contain information about the transaction, including any errors that may have occurred.

All of the elements of the **product** and **result** data structures are define in detail, below.

Table 1: product Elements			
Element	Type	Size	Notes
accountNumber	String	20	Alphanumeric
accountKey	String	20	Alphanumeric
command	String	20	ADD, RETIRE, UNRETIRE
mode	String	20	TEST, EXECUTE
productSKU	String	30	Alphanumeric
productTTB	String	16	Format: 00000-000-000000
productBrand	String	30	Alphanumeric
productName	String	40	Alphanumeric
productAppellation	String	40	Alphanumeric
productFanciful	String	40	Alphanumeric
productClass	String	7	WINE, BEER, SPIRITS, SPARK, CIDER
productVintage	String	4	YYYY or NV for none
productAlcohol	Float		Ex: 14.1 (no percent sign)
productIsForeign	Boolean		True = 1, False = 0
productIsSample	Boolean		True = 1, False = 0
containerType	String	6	BOTTLE, CASE
containerPack	Integer		Total bottles in container (Must be 1 when containerType = BOTTLE)
bottleSize	Float		Numeric volume of bottle, ex: 1500 or 1.5 (Important: no commas)
bottleSizeUnit	String	2	OZ=Ounce, G= Gallon, ML=Milliliters, L=Liters

Table 2: result Elements		
Element	Type	Notes
accountNumber	String	Alphanumeric
accountKey	String	Alphanumeric
productSKU	String	Alphanumeric
resultCode	Integer	See Table 3
resultMessage	String	See Table 3

complexType: **product**

Type: Struct

The **product** data structure contains the elements and parameters passed in the **submitProduct()** function.

---

Element Name: **accountNumber**

Type: String

Required

This element contains an alpha-numeric identifier that corresponds to a an eCompli client account. This number is issued by Compli upon request.

---

Element Name: **accountKey**

Type: String

Required

This element contains an alpha-numeric password that corresponds to a an eCompli client **accountNumber**. The **accountKey** is issued by Compli with the **accountNumber**.

---

Element Name: **command**

Type: String

Required

Defined Parameters: ADD, RETIRE, UNRETIRE

ADD: This command inserts a product into the eCompli compliance engine. All elements defined for the **product** data structure must be included. See Example 1, below.

RETIRE: This command changes the status of an existing product to “Retired”. See Example 2, below.

UNRETIRE: This command changes the status of an existing product to “Unretired”. See Example 3, below.

---

Element Name: **mode**

Type: String

Optional

Defined Parameters: TEST (default), EXECUTE

TEST: Use this parameter during setup and testing of the SOAP client. All return parameters reflect the results of the **command** performed without modifying the content of the eCompli compliance engine.

EXECUTE: This parameter must be set in order for the **command** to change the content of the eCompli compliance engine.

---

Element Name: **productSKU**

Type: String

ADD: Required, RETIRE: Required, UNRETIRE: Required

This element contains the manufacturer's product code, inventory code or Stock-Keeping Unit (SKU) and must be included in all instances of the **product** structure.

---

Element Name: **productTTB**

Type: String

ADD: Optional, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the Federal TTB identification code. The format must be 00000-000-000000.

---

Element Name: **productBrand**

Type: String

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the brand name of the product.

---

Element Name: **productName**

Type: String

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the product name, appellation or other appropriate unique identification.

---

Element Name: **productAppellation**

Type: String

ADD: Optional, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the geographic location where the product is made.

---

Element Name: **productFanciful**

Type: String

ADD: Optional, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the “fanciful” name indicated on the product label, if any.

---

Element Name: **productClass**

Type: String

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

Defined Parameters: WINE, SPARK, CIDER, BEER, SPIRITS

This element contains the product type or class. Only the defined parameters are currently recognized by the eCompli compliance engine.

**WINE:** All vinous beverages except sparkling wines

**SPARK:** Sparkling wines

**CIDER:** Alcoholic beverages fermented from fruit other than grapes

**BEER:** All beer and malt beverages

**SPIRITS:** Distilled alcoholic beverages

---

Element Name: **productVintage**

Type: String

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

This element contains the 4 digit vintage year of the product. If no vintage applies, the element can remain empty or the parameter “NV” can be used.

---

Element Name: **productAlcohol**

Type: Float

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

This element contains a decimal number indicating the product’s percent of alcohol (Example: 14.5). Note: Do not include a percent sign.

Element Name: **productIsForeign**

Type: Boolean

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

If the product is manufactured outside the United States, this element must contain “true” or “1” for “Yes”, otherwise “false” or “0” for “No”. If this element is empty, “false” is assumed.

---

Element Name: **productIsSample**

Type: Boolean

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

If the product is distributed as a sample (not for resale), this element must contain “true” or “1” for “Yes”, otherwise “false” or “0” for “No”. If this element is empty, “false” is assumed.

---

Element Name: **containerType**

Type: String

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

Defined Parameters: BOTTLE, CASE

If the product is shipped by the bottle, this parameter is set to “BOTTLE”. The **containerPack** is assumed to be 1. The “BOTTLE” parameter is typically used for products that ship direct to consumers.

If the product is shipped in containers of multiple bottles, this parameter is set to “CASE”. When this parameter is “CASE”, a parameter for the **containerPack** element must be indicated. The “CASE” parameter is typically used for invoices that ship to wholesalers and retailers.

---

Element Name: **containerPack**

Type: Integer

ADD: Required, RETIRE: Not Used, UNRETIRE: Not Used

This element indicates the number of bottles in a container when the **containerType** parameter is “CASE”. This element is assumed to be 1 when the **containerType** parameter is “BOTTLE”.

---

Element Name: **bottleSize**

Type: Float

ADD: Required, MODIFY: Optional, DELETE: Not Used

This element indicates the volume of an individual bottle in the units indicated by **bottleSizeUnit** (Example: 750).

This parameter must be specified even when the **containerType** is "CASE".

---

Element Name: **bottleSizeUnit**

Type: String

ADD: Required, MODIFY: Optional, DELETE: Not Used

Defined Parameters: OZ, G, ML, L

This element indicates the unit of measure for the bottle volume amount indicated by **bottleSize** (Example: ML).

OZ: Ounces

G: Gallons

ML: Milliliters

L: Liters

---

complexType: **result**

Type: Struct

The **result** data structure contains the elements and parameters returned to the client after calling the **submitProduct()** function.

---

Element Name: **accountNumber**

Type: String

This element contains the account number used in the transaction.

---

Element Name: **resultCode**

Type: Integer

This element contains a numeric code indicating the result of the transaction. All transactions ending in success are indicated with 1. All other **resultCode** numbers indicate an error.

101	Missing or unrecognized <b>accountNumber</b>
102	Missing or unrecognized <b>accountKey</b>
103	Invalid <b>command</b>
104	Missing parameter (Indicated in <b>resultMessage</b> )
105	Product not found (RETIRE and UNRETIRE commands only)
106	Multiple products found
108	Unrecognized <b>productClass</b> (Use WINE, SPARK, CIDER, BEER, SPIRITS)
109	Incorrect <b>productVintage</b> format (Use YYYY or NV)
110	Incorrect <b>productAlcohol</b> format (Use NN.N without percent sign)
111	Unrecognized <b>containerType</b> (Use BOTTLE or CASE)
112	Unrecognized <b>bottleSizeUnit</b> (Use OZ, G, ML, L)
114	Web Services Offline (Temporary Service Failure)
115	Product already added

---

Element Name: **resultMessage**

Type: String

This element contains a human-readable text message indicating the result of the transaction.

### Example 1: product (command = ADD)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="urn:ecompli_webservice">
<SOAP-ENV:Body>
<tns:submitProduct xmlns:tns="urn:ecompli_webservice">
<product xsi:type="tns:product">
<accountNumber xsi:type="xsd:string">ACCT55555555</accountNumber>
<accountKey xsi:type="xsd:string">KEY123456789</accountKey>
<command xsi:type="xsd:string">ADD</command>
<mode xsi:type="xsd:string">EXECUTE</mode>
<productSKU xsi:type="xsd:string">ZIN-100VN</productSKU>
<productTTB xsi:type="xsd:string">12345-123-123456</productTTB>
<productBrand xsi:type="xsd:string">Compli</productBrand>
<productName xsi:type="xsd:string">Old Vines Zin</productName>
<productAppellation xsi:type="xsd:string">Zin Valley</productAppellation>
<productFanciful xsi:type="xsd:string">World Class Zin</productFanciful>
<productClass xsi:type="xsd:string">WINE</productClass>
<productVintage xsi:type="xsd:string">2006</productVintage>
<productAlcohol xsi:type="xsd:float">14.5</productAlcohol>
<productIsForeign xsi:type="xsd:boolean">>false</productIsForeign>
<productIsSample xsi:type="xsd:boolean">>false</productIsSample>
<containerType xsi:type="xsd:string">CASE</containerType>
<containerPack xsi:type="xsd:integer">12</containerPack>
<bottleSize xsi:type="xsd:float">750</bottleSize>
<bottleSizeUnit xsi:type="xsd:string">ML</bottleSizeUnit>
</product>
</tns:submitProduct>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Example 2: product (command = RETIRE)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="urn:ecompli_webservice">
<SOAP-ENV:Body>
<tns:submitProduct xmlns:tns="urn:ecompli_webservice">
<product xsi:type="tns:product">
<accountNumber xsi:type="xsd:string">ACCT55555555</accountNumber>
<accountKey xsi:type="xsd:string">KEY123456789</accountKey>
<command xsi:type="xsd:string">RETIRE</command>
<mode xsi:type="xsd:string">EXECUTE</mode>
<productSKU xsi:type="xsd:string">ZIN-100VN</productSKU>
</product>
</tns:submitProduct>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

---

## Example 3: product (command = UNRETIRE)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="urn:ecompli_webservice">
<SOAP-ENV:Body>
<tns:submitProduct xmlns:tns="urn:ecompli_webservice">
<product xsi:type="tns:product">
<accountNumber xsi:type="xsd:string">ACCT55555555</accountNumber>
<accountKey xsi:type="xsd:string">KEY123456789</accountKey>
<command xsi:type="xsd:string">UNRETIRE</command>
<mode xsi:type="xsd:string">EXECUTE</mode>
<productSKU xsi:type="xsd:string">ZIN-100VN</productSKU>
</product>
</tns:submitProduct>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### Example 4: result:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="urn:ecompli_webservice">
<SOAP-ENV:Body>
<ns1:submitProducteResponse xmlns:ns1="urn:ecompli_webservice">
<result xsi:type="tns:result">
<accountNumber xsi:type="xsd:string">ACCT55555555</accountNumber>
<productSKU xsi:type="xsd:string">00001</productSKU>
<resultCode xsi:type="xsd:integer">1</resultCode>
<resultMessage xsi:type="xsd:string">Success: Product Added</resultMessage>
</result>
</ns1:submitProductResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```