

# BIC Web Services Implementation FAQ

This FAQ is a summary of questions and experience gained from developers who have implemented the BIC Web Services messages.

## **Some development tools change the WSDL after generating code. What should I check for in the reprocessed WSDL?**

We recommend that you check the following:

1. The targetNamespace which should be <http://www.bic.org.uk/webservices>
2. The xmlns:bicws which should be <http://www.bic.org.uk/webservices> (the above two in both the definitions element and the xs:schema element)
3. The soapAction attribute in the soap:operation element should be <http://www.bic.org.uk/webservices/soapAction>
4. The location attribute in the soap:address element. This should refer to your live server and is the only part of the WSDL that should change from the BIC standard. If the server code has been generated on a test server it could well have that server's URL instead of what it should be. For example, <http://localhost:8080/...>
5. It is recommended that if you have some software that allows you to compare two files for differences (e.g. Eclipse based development environments and NetBeans have a built in compare option, or you could try Windiff) then you compare the original BIC WSDL with yours and look for any differences.

In one comparison of the WSDL generated in one sample implementation with the BIC original the only difference other than the soap:address was that some of the attributes on elements in the WSDL had swapped order:

```
<xs:element name="Product" type="bicws:PriceAvailabilityRequestProduct"
maxOccurs="unbounded" />
```

had become

```
<xs:element name="Product" maxOccurs="unbounded"
type="bicws:PriceAvailabilityRequestProduct" />
```

This is an example of an insubstantial change as it in no way affects the meaning of the WSDL or the effectiveness of clients generated from the BIC standard WSDL.

## **Where can I ask technical support questions for the BIC Web Services?**

Join the discussion group at [bicwebservices-subscribe@yahogroups.co.uk](mailto:bicwebservices-subscribe@yahogroups.co.uk). This group is monitored by BIC and other implementers who will be pleased to try and help.

### **Are there any free tools I can use to test my Web Service implementation?**

Various implementers report that they have had some success using <http://www.soapui.org/> and <http://www.mindreef.net/tide/scopeit/start.do>. In addition to these tools you are advised to consult the implementations directory on the BIC website to see who currently consumes the service and arrange to test with a few companies to ensure a good level of interoperability.

### **How should the password in the XML messages be encrypted?**

The password should not be encrypted: if you need to secure the interchange use HTTPS rather than HTTP. This will ensure that the whole message is encrypted over the network.