Risk Sharing Pool

File Transfer via Web Services Technical Guide

September 15, 2008

Version 1.2

1. REVISION HISTORY

Date	Document Version	Section Modified	Modification
April 8, 2008	Version 1.0		
May 28, 2008	Version 1.1	Added revision hisotry and table of contents	Modified document format, and updated production environment availability date
Sept. 15, 2008	Version 1.2	Sections 4, 6 and 8.	Sections 4: • Updates made in the Important notes sections with additional information on the production implementation time and password usage. • Updates made in the Output Parameters section where return value type was modified from "integer" to "string" and possible return values with descriptions are included. Sections 4: • Changed section title from "Connectivity Testing " to "Testing Web Services." • Updated section content. (Note that web services test URL address was not changed.) Section 8: • Added reference and URL addrss for the FA website IT modernization section where supporting documents are available.

2. TABLE OF CONTENTS

3. INTRODUCTION

The purpose of this document is to provide the technical guideline for the transfer of RSP files to Facility Association. To use this service in an automated manner, the submitting company is required to develop a script to consume the service. See section *Sample Client Code using ASP.NET.2.0* for sample code provided to assist companies in developing their scripts.

The other two methods for transferring RSP files to Facility Association, Web Browser (manual) and Interactive Online Submission, are described in separate material.

4. PARAMETERS

The following are the parameters required to consume the web service:

Web service URL: https://FileTransfer.facilityassociation.com/WSRSPFileTransfer/RSPSubmit.asmx

IMPORTANT: (*Updated)* The above URL is for FA RSP Production web services environment which will be available November 1, 2008 at 8:00 AM. For further details on the transition to the new system please refer to FA Bulletin FA08-65 Risk Sharing Pools IT Modernization – Transition Plan.

```
wsrsp.RSPSubmit dev = new wsrsp.RSPSubmit();
                     msg = dev.FileSubmit(UserName.Text.Trim(), Password.Text.Trim(),
FileName.Text.Trim(), b);
```

Method Name: FileSubmit

Input Parameter:

> string **user name** (user name provided by FA to access this service),

> string **password** (associated password for the user name),

> string **file name** (name of the file to be submitted),

> byte [ ] **file content** (byte array for file content)

Output Parameter: (Updated)

> Return value: string

>> 0 – submitted file has been received successfully.

>> 1 – submitted file has not been received successfully

Exception: SoapException will be thrown when there is an error

5. WEB SERVICE DEFINITION LANGUAGE (WSDL)

The following are the steps to interface with the web service:

1. Reference the web services by accessing: **wsrsp**

2. Create an instance as follows: **wsrsp.RSPSubmit proxy = new wsrsp.RSPSubmit();**

3. Invoke the method as follows: **proxy. FileSubmit (user name, password, file name, byteArray)**

6. WEB SERVICES TESTING

This URL below is for All Industry Test (AIT) web services environment! Test web services user id and password are required for testing purposes and can be requested by completing and submitting RSP user id request form available on the Facility Association website.

TEST Web service URL: https://uatfiletransfer.facilityassociation.com/WSRSPFileTransfer/RSPSubmit.asmx

To test connectivity, invoke the following method and send a test file.

```
wsrsp.RSPSubmit dev = new wsrsp.RSPSubmit();
                      msg = dev.FileSubmit(UserName.Text.Trim(), Password.Text.Trim(),
FileName.Text.Trim(), b);
```

Method Name: FileSubmit

Input Parameter:

      string **user name** (user name provided by FA to access this service),

      string **password** (associated password for the user name),

      string **file name** (name of the file to be submitted),

      byte [ ] **file content** (byte array for file content)

Output Parameter: (Updated)

      Return value: string

            0 – submitted file has been received successfully.

            1 – submitted file has not been received successfully

Exception: SoapException will be thrown when there is an error

7. SAMPLE CLIENT CODE USING ASP.NET 2.0

```csharp
public class TrustAllCertificatePolicy
{
        public static bool RemoteCertificateValidationCallback(Object sender,
X509Certificate certificate, X509Chain chain, SslPolicyErrors sslPolicyErrors)
        {
        //Return True to force the certificate to be accepted.
        return true;
        }
}


/// <summary>
/// Reference the web service
https://filetransfer.facilityassociation.com/WSRSPFileTransfer/RSPSubmit.asmx
/// </summary>
/// <param name="sender"></param>
/// <param name="e"></param>
private void Submit_Click(object sender, EventArgs e)
{

//load Certifiate to SSL channel
ServicePointManager.ServerCertificateValidationCallback = new
RemoteCertificateValidationCallback(TrustAllCertificatePolicy.RemoteCertificateValidatio
nCallback);

   try
   {
    String msg = "";
    //Convert the file to bytes
    OpenFileDialog ofd = new OpenFileDialog();
    byte[] b = new byte[ofd.FileName.Length];
    string filePath = ofd.FileName;
    string fileName = filePath.Substring(filePath.LastIndexOf("\\") + 1);

    FileStream fs = new FileStream(ofd.FileName, FileMode.Open);
    fs.Read(b, 0, ofd.FileName.Length);
    //Instantiate the webservice
    wsrsp.RSPSubmit s = new wsrsp.RSPSubmit();
    //Submit the file
   msg = s.FileSubmit("wstest", "Welcome1", "123_RSP2008Test", b);
   }
    catch (Exception ex)
   {
   //...;
    }

  }
```

8. TECHNICAL SUPPORT

If you require additional support in establishing connectivity, testing or submissions please forward a request to FATestingSupport@facilityassociation.com. Please provide your name, phone number, company name and reporting company number and a member of the FA Support team will contact you.

(Updated) For further documentation on the RSP application, procedures manuals or bulletins please refer to Facility Association website IT Modernization section:
http://www.facilityassociation.com/IT_Modernization.asp