



Risk Sharing Pool

File Transfer via Web Services Technical Guide

August 15, 2023 Version 1.5

1. REVISION HISTORY

Date	Document Version	Section Modified	Modification
April 8, 2008	Version 1.0		
May 28, 2008	Version 1.1	Added revision history and table of contents	Modified document format, and updated production environment availability date
Sept. 15, 2008	Version 1.2	Section 4, 6 and 8.	<p>Sections 4:</p> <ul style="list-style-type: none"> 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. <p>Sections 4:</p> <ul style="list-style-type: none"> Changed section title from “Connectivity Testing” to “Testing Web Services.” Updated section content. (Note that web services test URL address was not changed.) <p>Section 8:</p> <ul style="list-style-type: none"> Added reference and URL address for the FA website IT modernization section where supporting documents are available.
Aug. 30, 2017	Version 1.3	Section 6, and 8.	<p>Sections 6:</p> <ul style="list-style-type: none"> Updated section content. Test URL changed with FA Currency Project. <p>Sections 8:</p> <ul style="list-style-type: none"> Updated section content. Support email address changed.
Feb. 28, 2018	Version 1.4	Section 6, and 8.	<p>Sections 8:</p> <ul style="list-style-type: none"> Support email address changed from RSP@facilityassociation.com to MS@facilityassociation.com
Aug. 2, 2023	Version 1.5	Section 4, 6, and 7.	<p>Section 4</p> <ul style="list-style-type: none"> Updated Password to represent Client Secret <p>Section 6</p> <ul style="list-style-type: none"> Updated Password to represent Client Secret <p>Section 7</p> <ul style="list-style-type: none"> Updated Welcome1 to a client secret

This material is intended to provide orientation and guidance to authorized users of the Risk Sharing Pool (RSP) system. Due to ongoing enhancements, the depictions of the online applications in this document may not be exact representations.

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3. INTRODUCTION

The purpose of this document is to provide the technical guideline for the transfer of RSP files to Facility Association via a web service. 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.4.8* 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.

ATTENTION: Existing Web-Service Consumers

In October 2023 FA will migrate to Microsoft Azure Cloud. This update will reset the web-service transmission “password” to “client secret.” Note, “client secret” is maximum 40 characters in length. The “user name,” “file name,” and “file content” method parameters will remain unchanged. FA Bulletins will be published, in August 2023 and September 2023, outlining the next steps to onboarding and receiving the new “client secret” details.

4. PARAMETERS

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

Web service URL: <https://FileTransfer.facilityassociation.com/WSRSPFileTransfer/RSPSubmit.aspx>

IMPORTANT: The above URL is for FA RSP Production web services environment which will be available October, 2023. For further details on the transition to the new system please refer to FA Bulletin **PJM 2023-09 (RSP-ALL) FA Member Authentication Upgrade.**

```
wrsp.RSPSubmit dev = new wrsp.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 client secret** for the user name)
 **client secret length is up to 40 characters long
string **file name** (name of the file to be submitted)
byte [] **file content** (byte array for file content)

Output Parameter:

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 wrsp.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 starting September 2023.

Test web service user name and password are different from production user name and password. These credentials are required for testing purposes and can be requested by completing and submitting RSP user id request form available on the Facility Association website.

NEW TEST Web service URL:

<https://currencyatfiletransfer.facilityassociation.com/WSRSPFileTransfer/RSPSubmit.asmx>

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

```
wrsp.RSPSubmit dev = new wrsp.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 client secret** for the user name)
**client secret length is up to 40 characters long
string **file name** (name of the file to be submitted)
byte [] **file content** (byte array for file content)

Output Parameter:

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 4.8

```

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.aspx
/// </summary>
/// <param name="sender"></param>
/// <param name="e"></param>
private void Submit_Click(object sender, EventArgs e)
{
    //load Certificate 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", " abc7Q~defghijklmnopqrstuvwxyz-_.~0123",
"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 MS@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.

For further documentation on the RSP application, procedures manuals or bulletins please refer to Facility Association website Members>Manuals/Guides section:
http://www.facilityassociation.com/Manual_menu.asp