**

Common Interface Service Specification

**Upload Attachment**

**Atomic Service**

**(EXT-PUB-BEA-001-021)**

**Banking Enforcement Automation**

Prepared by: SBM

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**Distribution List**

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*Approvals can be obtained by e-mails, or document sign-off*

# Introduction

SAMA is automating Banking enforcement services and Upload Attachment Service ("**رفع المرفقات**") is one of the services that used by other parties, and this service is one of the service will be automated.

## Purpose

The purpose of this document is to describe the interface specifications between other parties and SAMA while need to upload attachment.

Service is explained with the input and output requirements along with exception scenarios of the service.

## Scope

This document defines the **Upload Attachment** service and explained with the input and output requirements along with exception scenarios of the service

## Out of Scope

None

# Service Information

**Upload attachment** service covers the upload actions sent from other parties to SAMA environment for uploading the files.

## Service Overview

|  |  |
| --- | --- |
| **Service Information** | |
| **Business Categorization** | SAMA Banking Enforcement |
| **Service IDs** | EXT-PUB-BEA-001-021 |
| **Service Name** | Upload attachment |
| **Service Call Back Name** | Upload attachment callback |
| **Service Category** | Public |
| **Service Sub-Category** | N/A |
| **URL/WSDL** | [https://ip:443/bea/ws/pub/uploadattach/v\*](https://ip:443/bea/ws/pub/uploadattach/v*)  [https://ip:443/bea/ws/pub/uploadattachcallback/v\*](https://ip:443/bea/ws/pub/uploadattachcallback/v*) |
| **Service Type** | Asynchronous |
| **Service Protocol** | SOAP/HTTPS (External) |
| **Business Requirements Doc ID(s)** | وثيقة متطلبات الاعمال لخدمة رفع المرفقات |

## Service Description

**Upload attachment** service is a web service implemented by SAMA to receive the attachment from the other parties in order to upload the file on SAMA environment.

**Upload attachment call back** service is a web service implemented by the other parties. SAMA will use this service to notify the other parties that the uploaded attachment is not valid and they need to re-upload again.

It contains following operations:

* Upload attachment
* Upload attachment call back

## Service Context

The service context describes the service providers and service consumers

|  |  |  |  |
| --- | --- | --- | --- |
| **Service Name** | **Protocol** | **Service Provider** | **Service Consumer** |
| **Upload attachment** | **SOAP/HTTPS** | **SAMA** | **Other Parties** |
| **Upload attachment call back** | **SOAP/HTTPS** | **Other Parties** | **SAMA** |

## Service Operations Organization

Service operation has input and output.

Input and output contains header and body parts. Header part contains technical and common data, while body part contains business data. **Each service operation will be in a separate WSDL.**

## Service Operations

#### Upload attachement

This operation is used to send uploading file action on attached file to SAMA.

Detailed data about the files content that need to be uploaded are given in input

Parameter which contains XML where action details are contained.

SAMA generates the response which is also XML containing all needed data or a confirmation of action execution.

In the case of business validation errors, response XML will contain list of errors (with error code and error message).

#### Upload attachement call back

SAMA will use this service to notify the other parties that the uploaded attachment is not valid and they need to re-upload again

## Service Messages

|  |  |  |  |
| --- | --- | --- | --- |
| **Message Formats** | | | |
| **XML Schema** | ***Name*** | ***Directory*** | ***Version*** |
| BaseLib.xsd | /common | 1.70 |
| Header.xsd | /common | 1.53 |
| UploadAttach.xsd | /public | 1.0 |
| **WSDL file** | UploadAttach.wsdl | /public | 1.0 |
| UploadAttachCallBack.wsdl | /public | 1.0 |

|  |  |  |
| --- | --- | --- |
| ID | Message Name | Description |
|  | UploadAttachRq | This message represents upload attachment request coming to SAMA from other parties |
|  | UploadAttachRs | This message represents upload attachment response message going from SAMA to other parties |

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Message Name | Description | |
|  | UploadAttachCallBackRq | | This message represents request message going from SAMA to other parties |
|  | UploadAttachCallBackRs | | This message represents response message coming to SAMA from other parties |

## Service Contract

The service contract reference provides the service interfaces for **Upload attachment** service in the form of WSDL and XSD

#### Service WSDL & XSD

Refer Appendix A for the WSDL and XSD for the request and response objects

## Service Security

Please refer to Security Standards and Requirements Document

# Service Details

## Upload Attachment

#### Upload Attachement Request (UploadAttachRq)

Elements for XML message in request object presented in the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Length** | **Occurs** | **Mandatory Y**(condition)**, N**(condition)**, S**(options)**, I**(services) | **Allowed Values** | **Xpath** | **Description** |
| *Header* | *Complex* |  | *1* | *Y* |  | */RqHdr* |  |
| *Body* | *Complex* |  | *1* | *Y* |  | */Body* |  |
| *UploadAttachRq* | *Complex* |  | *1* | *Y* | *Type [T\_UploadAttachRq]* | */Body/UploadAttachRq* |  |
| *Attachment* | *Complex* |  | *1* | *Y* | *Type [T\_Attachment]* | */Body/UploadAttachRq/Attachment* |  |

#### Upload Attachement Response (UploadAttachRs)

Elements for XML message in response object presented in the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Length** | **Occurs** | **Mandatory Y**(condition)**, N**(condition)**, S**(options)**, I**(services) | **Allowed Values** | **Xpath** | **Description** |
| *Header* | *Complex* |  | *1* | *Y* |  | */RsHdr* |  |
| *Body* | *Complex* |  | *1* | *N* |  | */Body* |  |

## Upload Attachment Call Back

#### Upload Attachement Call Back Request (UploadAttachCallBackRq)

Elements for XML message in request object presented in the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Length** | **Occurs** | **Mandatory Y**(condition)**, N**(condition)**, S**(options)**, I**(services) | **Allowed Values** | **Xpath** | **Description** |
| *Header* | *Complex* |  | *1* | *Y* |  | */RqHdr* |  |
| *Body* | *Complex* |  | *1* | *Y* |  | */Body* |  |
| *UploadAttachCallBackRq* | *Complex* |  | *1* | *Y* | *Type [T\_UploadAttachCallBackRq]* | */Body/UploadAttachCallBackRq* |  |
| *Reference Name* | *Text* | *50* | *1* | *Y* |  | */Body/UploadAttachCallBackRq/RefName* | Attach File name that's sent by upload attach request |

#### Upload Attachement Call Back Response (UploadAttachCallBackRs)

Elements for XML message in response object presented in the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Length** | **Occurs** | **Mandatory Y**(condition)**, N**(condition)**, S**(options)**, I**(services) | **Allowed Values** | **Xpath** | **Description** |
| *Header* | *Complex* |  | *1* | *Y* |  | */RsHdr* |  |
| *Body* | *Complex* |  | *1* | *N* |  | */Body* |  |

## Response Status Code

|  |  |
| --- | --- |
| **Status Code Specifications** | |
| **Status Code** | **Description** |
| S0000000 | Success: The operation done successfully |
| **Comments** | For Failed Operation, please refer to Error Code in details for each service |

## Error Code & Messages

|  |  |
| --- | --- |
| **Error Code** | **Error Description** |
| E9999999 | **Fatal Error** |

# Appendices

## Appendix A: Glossary

|  |  |
| --- | --- |
| **Abbreviation** | **Expansion** |
| HTTPS | Hyper Text Transfer Protocol Secure |
| SAMA | Saudi Arabian Monetary Agency |
| MOJ | Ministry of justice |
| SOAP | Simple Object Access Protocol |
| WSDL | Web Service Description Language |
| XML | Extensible Mark-up Language |
| XSD | Xml Schema Definition |

## Appendix B: Codes

Please refer to List of values (LOVs) Document