**

Government Interface Service Specification

Transfer

**Atomic Service**

**(EXT-RP-BEA-002-016)**

**Banking Enforcement Automation**

Prepared by : SBM

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**Distribution List**

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| **SAMA UAT/Testing** |  |
| **Solution Delivery** |  |
| **Project Sponsor** |  |
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*Approvals can be obtained by e-mails, or document sign-off*

# Introduction

SAMA is automating banking enforcement services and the “Transfer” ("**خدمة التحويل**") is one of the services will be used by the requesting party (MOJ and other government agencies) to request “Transfer” action from the financial institutes for previously executed action against the involved party, and this service is one of the services will be automated.

## Purpose

The purpose of this document is to describe the interface specifications between SAMA and Requesting parties (MOJ and other government agencies)

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

## Scope

This document defines the **Transfer** and **Transfer Call Back** services between SAMA and MOJ and other government agencies

## Out of Scope

None

# Service Information

**RP Transfer** and **RP Transfer** **Call Back** services cover the transfer action one a previously execute action by financial institutes on the involved party

## Service Overview

|  |  |
| --- | --- |
| Service Information | |
| Business Categorization | SAMA Banking Enforcement |
| Service IDs | EXT-RP-BEA-002-016 |
| Service Name | RP Transfer |
| Service Call Back Name | RP Transfer Call Back |
| Service Category | Execution Services |
| Service Sub-Category | Relationship Management Services |
| URL/WSDL | [https://ip:443/bea/ws/ex/rp/transfer/v\*](https://ip:443/bea/ws/ex/rp/lift/v*)  [https://ip:443/bea/ws/ex/rp/transfercallback/v\*](https://ip:443/bea/ws/ex/rp/transfercallback/v*) |
| Service Type | Request Response with Synchronous Acknowledgement |
| Service Protocol | SOAP/HTTPS (External) |
| Business Requirements Doc ID(s) | وثيقة متطلبات الاعمال لخدمات التحويل |

## Service Description

**RP Transfer** is a web service implemented by SAMA and it is used by MOJ and other government agencies (**Requesting Party**) in order to request info about accounts.

**RP Transfer** **Call Back** is a web service implemented by MOJ (**Requesting Party**) and it is used by SAMA in order to send info about accounts

It contains following operations:

* RP Transfer
* RP Transfer Call Back

## Service Context

The service context describes the service providers and service consumers

|  |  |  |  |
| --- | --- | --- | --- |
| Service Name | Protocol | Service Provider | Service Consumer |
| RP Transfer | SOAP/HTTPS | SAMA | Requesting Party |
| RP Transfer Call Back | SOAP/HTTPS | Requesting Party | 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

#### RP Transfer

This operation is used to execute transfer action against the involved party in the Financial Institutions. Upon receiving this request from requesting party SAMA will perform logical validations on input message.

If validation fails, SAMA will return response to government agency (**Requesting Party**) with list of validation errors.

If validation passes, SAMA will return acknowledgment response to government agency (**Requesting Party**) with reference number which means the request received successfully and the government agency has to wait for the SAMA to get the response from financial institutes and send it back to requesting party through call back service

#### RP Transfer Call Back

SAMA will continue with the process of contacting Financial Institutes and gather the data or information of the request.

When SAMA gathers data from the financial institutes. It will call service **RP Transfer Call Back** which government agencies (**Requesting Party**) have to expose.

## Service Messages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Message Formats | | |
| XML Schema | **Name** | | **Directory** | **Version** |
| BaseLib.xsd | | /common | 1.54 |
| Header.xsd | | /common | 1.53 |
| ExecustionLib.xsd | | /execution/services | 1.6 |
| RPTransfer.xsd | | /execution/services | 1.0 |
| WSDL file | RPTransfer.wsdl | | /execution/interfaces | 1.0 |
| RPTransferCallback.wsdl | | /execution/interfaces | 1.0 |

|  |  |  |
| --- | --- | --- |
| ID | Message Name | Description |
|  | RPTransferRq | This message represents ban dealing request message coming to SAMA from Requesting party |
|  | RPTransferRs | This message represents ban dealing response message going from requesting party to SAMA |

|  |  |  |
| --- | --- | --- |
| ID | Message Name | Description |
|  | RPTransferCallBackRq | This message represents request message going from SAMA to Requesting party |
|  | RPTransferCallBackRs | This message represents response message coming to SAMA from Requesting party |

## Service Contract

The service contract reference provides the service interfaces for **RP Transfer** & **RP Transfer Call Back** services 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 Requirement Document

**2.8.1 Signed Fields**

There are no signed fields for this service.

# Service Details

## RP Transfer

#### RP Transfer Request (RPTransferRq)

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* |  |
| *RPTransferRq* | *Complex* |  | *1* | *Y* | *Type [T\_RPTransferRq]* | */Body/RPTransferRq* |  |
| *Requester* | *Complex* |  | *1* | *Y* | *Type [T\_Rqstr]* | */Body/RPTransferRq/Rqstr* |  |
| *Involved Party* | *Complex* |  | *1* | *N(In case of Account Financial Info Exists)* | *Type [T\_RpInvPrty]* | */Body/RPTransferRq/InvPrty* |  |
| *Third Party* | *Complex* |  | *1* | *N* | *Type [T\_ThrdPrty]* | */Body/RPTransferRq/ThrdPrty* |  |
| *Tranfer To Benefeciary* | *Complex* |  | *1* | *Y* | *Type [T\_Benf]* | */Body/RPTransferRq/Benf* |  |
| Service Type | Text | 2 | 1 | Y | LOV(Service Type) | /Body/RPTransferRq/SrvType |  |
| *Transfer Outline* | *Complex* |  | *1* | *Y* | *Type [T\_RPTransferOutline]* | */Body/RPTransferRq/Outline* |  |
| *Transfer Financial Info* | *Complex* |  | *1* | *N(in case of without Ref Service Type) ,S[1,2]* | *Type [T\_XferFinInfo]* | */Body/RPTransferRq/Outline/XferFinInfo* |  |
| *[1] Account Financial Info* | *Complex* |  | *1* |  | *Type [T\_AccFinInfo]* | */Body/RPTransferRq/Outline/XferFinInfo/AccFinInfo* |  |
| *[2] FI List Financial Info* | *Complex* |  | *1* |  | *Type [T\_FIListFinInfo]* | */Body/RPTransferRq/Outline/XferFinInfo/FIListFinInfo* |  |
| *Transfer Decision Info* | *Complex* |  | *1* | *Y,S[1,2]* | *Type [T\_XferDcsnInfo]* | */Body/RPTransferRq/Outline/XferDcsnInfo* |  |
| *[1] Service Reference Info* | *Complex* |  | *1* |  | *Type [T\_SrvcRefInfo]* | */Body/RPTransferRq/Outline/XferDcsnInfo/SrvcRefInfo* |  |
| *[2] Transfer Case info* | *Complex* |  | *1* |  | *Type [T\_CaseInfo]* | */Body/RPTransferRq/Outline/XferDcsnInfo/CaseInfo* |  |
| *Transfer Rule Info* | *Complex* |  | *1* | *Y( in case of expropriation Service Type )* | *Type [T\_RuleInfo]* | */Body/RPTransferRq/Outline/RuleInfo* |  |

#### RP Lift the Restriction Response (RPLiftRs)

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** |
| *Headr* | *Complex* |  | *1* | *Y* |  | */RsHdr* |  |
| *Body* | *Complex* |  | *1* | *N* |  | */Body* |  |

## RP Transfer Call Back

#### RP Transfer Call Back Request (RPTransferCallBackRq)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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* |  |
| *RPTransferCallBackRq* | *Complex* |  | *1* | *Y* | *Type [T\_RPTransferCallBackRq]* | | */Body/RPTransferCallBackRq* |  |
| *FIRsTransferDtls* | *Complex* |  | *1* | *Y* | *Type [T\_FIRsTransferDtls]* | | */Body/RPTransferCallBackRq/FIRsTransferDtls* |  |
| *FIRsTransferInfo* | *Complex* |  | *1..\** | *Y* | *Type [T\_FIRsTransferInfo]* | | */Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo* |  |
| FICode | Text | 5 | 1 | Y | LOV (FI's, Appindex: B) | | /Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/FICode | Financial Institution Code |
| FIRsStatus | Text | 8 | 1 | Y | Section 3.3 Response Status Code | | /Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/FIRsStatus | Financial Institution response status |
| *Customer Info* | *Complex* |  | *1* | Y(Involved Party is a Customer) | *Type [T\_CustInfo]* | | */Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/CustInfo* |  |
| *Transfers List* | *Complex* |  | *1* | *Y(In case transfer is happened)* | *Type [T\_ExeXferList]* | | */Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/XfersList* |  |
| Total FI Transferred Amount | Numeric | [1-15] | 1 | Y(In case transfer is happened) | Numeric; Type[T\_BaseAmt] | | /Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/TotalFIAmt |  |
| Total Transferred Amount | Numeric | [1-15] | 1 | Y | Numeric; Type[T\_BaseAmt] | | /Body/RPTransferCallBackRq/FIRsTransferDtls/FIRsTransferInfo/TotalAmt |  |

#### RP Lift the Restriction Call Back Response (RPLiftCallBackRs)

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

## Header

To describe the header object

For details please refer to “WATHEEQ Message Header v1.53.docx” in common folder

## Base Lib

To describe the common objects between all services

For details please refer to “LIB-BEA-COM-000-Base Library v1.54.docx” in common folder

## Execution Lib

To describe the common objects between the execution services

For details please refer to “LIB-BEA-EX-002-Execution Library v1.6.docx” in execution folder

## Response Status Code

|  |  |
| --- | --- |
| *Status Code Specifications* | |
| S0000000 | Success : The operation done successfully ***(with all service types)*** |
| *Transfer with reference number* | |
| *Status Code* | ***Description*** |
| S9160001 | Warning: The account does not belong to the client / It's done successfully |
| S9160002 | There is insufficient balance to transfer |
| S9160003 | Warning: The account does not belong to the client / There is insufficient balance to transfer |
| S9160004 | The ID number does not belong to the client / account ID and there is insufficient balance to transfer |
| S9160005 | Beneficiary account is incorrect |
| S9160006 | There is a previous executive procedure outside TANFEETH from other entity |
| S9160007 | The ID number does not belong to a client / Transfer is done successfully |
| S9160008 | The block / garnish has already been lifted |
| S9160009 | The reference number does not belong to the ID holder in the transfer request |
| S9160010 | The required amount is greater than the base amount |
| S9160011 | The reference number does not belong to the sent account |
| S9160012 | Warning: The account does not belong to the client / There is not enough credit to transfer |
| S9160013 | Warning: The account does not belong to the client / The transfer is done successfully |
| S9160014 | The ID number does not belong to the client / account ID is defined and the transfer has been done successfully |
| S9160015 | There is insufficient balance to transfer because of the exchange rate difference |
| S9160016 | The ID number does not belong to the client / account ID has insufficient balance |
| S9160017 | The identity does not belong to a client |
| S9160018 | ID number is defined / the relation is accounts |
| S9160019 | ID number is defined / all accounts are joint |
| S9160020 | ID number is defined / account is not defined |
| *Expropriation* | |
| *Status Code* | ***Description*** |
| S9170001 | The account does not belong to the client / It's done successfully |
| S9170002 | There is insufficient balance |
| S9170003 | Warning: The account ID does not belong to the client / There is insufficient balance to transfer |
| S9170004 | The ID number does not belong to the client / The account ID is defined and does not have sufficient balance to transfer |
| S9170005 | The account ID is not defined |
| S9170006 | The ID number does not belong to the client |
| S9170007 | ID number is missing / account ID is missing |
| S9170008 | The ID number does not belong to the client / account ID is defined and the transfer has been done successfully |
| S9170009 | ID number is defined / No account data to send to |
| S9170010 | ID number is defined / The relation is not accounts |
| S9170011 | ID number is defined / all accounts are joint |
| S9170012 | Beneficiary account is incorrect |
| S9170013 | The transfer could not be done because there is a previous executing procedure from other entity |
| S9170014 | The block / garnish has already been lifted |
| S9170015 | The reference number does not belong to the ID holder in the transfer request |
| S9170016 | The required amount is greater than the base amount |
| S9170017 | The reference number does not belong to the account ID |
| S9170018 | Warning: The account ID does not belong to the client / There is insufficient balance to transfer |
| S9170019 | Warning: The account ID does not belong to the client / Transfer has been done successfully |
| S9170020 | ID number does not belong to the client |
| S9170021 | ID number is defined / The relation is not accounts |
| S9170022 | ID number is defined / all accounts are joint |
| S9170023 | ID number is defined / account is not defined |
| S9170024 | There is insufficient balance to transfer because of the exchange rate difference |
| *Transfer without reference number* | |
| *Status Code* | ***Description*** |
| S9180001 | The account ID does not belong to the client / the transfer has been done successfully |
| S9180002 | There is insufficient balance to transfer |
| S9180003 | Warning: account ID does not belong to the client / There is insufficient balance to transfer |
| S9180004 | ID number does not belong to the client / account ID is defined and does have sufficient balance to transfer |
| S9180005 | Account ID is not defined |
| S9180006 | ID number does not belong to the client |
| S9180007 | ID number is not defined / account ID is not defined |
| S9180008 | ID number does not belong to the client / account ID is defined and the transfer has been done successfully |
| S9180009 | ID number is defined / account is not defined |
| S9180010 | ID number is defined / The relation is not accounts |
| S9180011 | ID number is defined / all accounts are joint |
| S9180012 | Beneficiary account is incorrect |
| S9180013 | The transfer could not be done because there is a previous executing procedure from other entity |
| S9180014 | Full amount transfer could not be done because there is a previous executing procedure on account or accounts |
| *Comments* | **For Failed Operation, please refer to Error Code in details for each service** |

## Error Code & Messages

|  |  |
| --- | --- |
| *Error Code* | *Error Description* |
| E9810004 | Need to capture proper location--(Schema Validation Error) |
| E1020013 | Invalid Partner Id Requester |
| E9810005 | Authorization failure |
| E1020010 | Invalid Financial Institution |
| E1020080 | Amount is required |
| E1020081 | Amount must not be existed |
| E1020082 | All currencies must be the same |
| E1020083 | Invalid Beneficiary |
| E1020084 | Inactive Beneficiary |
| E1020085 | Invalid Service Type |
| E1010059 | The request is already full lifted before |
| E1010062 | SRN not Found/The request is under processing |
| E1010063 | Involved Party not Related to SRN |
| E1010064 | Account Number not Related to SRN |
| E1010066 | Invalid Lift Amount |
| E1010070 | Authorization failed for service type |
| E1020043 | Dates Should be in Gregorian |
| E1020044 | Invalid Decision Date |
| E1020086 | Third party is not required |
| E1020087 | Third party is required |
| E1010071 | Same Transfer request under processing |
| E1010072 | Authorization failed for transfer |
| E1010073 | There are execution procedures not defined in the business rules |
| E1010074 | Previous request on only Account |
| E1010075 | Transfer Currency different from Block/Garnish Currency |
| E1010076 | Execution Action not defined in business rules |
| E1020088 | Missing SRN |
| E1020089 | SRN must be exist with service type |
| E1020090 | Invalid case for this service type |
| E1020091 | Invalid inputs |

# Appendices

## Appendix A: Codes

Please refer to List of values (LOVs) Document

## Appendix B: Glossary

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

## Appendix C: Mandatory Fields Description

|  |  |
| --- | --- |
| Character | Description |
| Y | This element is required in all cases. |
| Y (Condition) | This element is required only in the case of the condition satisfied, otherwise it shouldn't be sent |
| N | This element is optional in all cases |
| N (Options) | This element is optional only in the case of the condition satisfied, otherwise it should be sent. |
| S (Options) | Only one element of the options should be come |

## Appendix D: Service Details Color Mapping

|  |  |
| --- | --- |
| Color | Description |
| Red | Updated Information |
| Red with Strikethrough | Deleted Information |