**

Government Interface Service Specification

Blocking

**Atomic Service**

**(EXT-RP-BEA-002-010)**

**Banking Enforcement Automation**

Prepared by : SBM

Version No :  Version 1.30

Issue Date :  30 January 2019

Table of Contents

[1. Introduction 4](#_Toc526624718)

[1.1 Purpose 4](#_Toc526624719)

[1.2 Scope 4](#_Toc526624720)

[1.3 Out of Scope 4](#_Toc526624721)

[2. Service Information 5](#_Toc526624722)

[2.1 Service Overview 5](#_Toc526624723)

[2.2 Service Description 5](#_Toc526624724)

[2.3 Service Choreography 6](#_Toc526624725)

[2.4 Service Context 6](#_Toc526624726)

[2.5 Service Operations Organization 7](#_Toc526624727)

[2.6 Service Operations 7](#_Toc526624728)

[2.7 Service Messages 8](#_Toc526624729)

[2.8 Service Contract 8](#_Toc526624730)

[2.9 Service Security 8](#_Toc526624731)

[3. Service Details 9](#_Toc526624732)

[3.1 RP Blocking 9](#_Toc526624733)

[3.2 RP Blocking Call Back 11](#_Toc526624734)

[3.3 Response Status Code 14](#_Toc526624735)

[3.4 Error Code & Messages 14](#_Toc526624736)

[4. Appendices 16](#_Toc526624737)

[4.1 Appendix B: Codes 16](#_Toc526624738)

[4.2 Appendix D: Glossary 16](#_Toc526624739)

**Record of changes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Author** | **Change details** |
| 8 March 2018 | 1.00 | SBM team | Initial version |
| 1 April 2018 | 1.10 | SBM team | Update the internal review comments |
| 2 June 2018 | 1.20 | Mahmoud Gawad | * Add some error codes * Remove soap Action value from WSDL document |
| 15 July 2018 | 1.21 | Mahmoud Gawad | * Apply Business requirements |
| 13 September 2018 | 1.22 | Mahmoud Gawad | * Make CustInfo optional in FIRsBlockInfo * Make FI Block Summary info optional in FIRsBlockInfo * Delete Block Details from FIRsBlockInfo object * Add Blocks List to FIRsBlockInfo * Make Shares List and Joint Accounts List optional at FIRsBlockInfo object * Add some error codes and status codes |
| 08 October 2018 | 1.23 | Mahmoud Gawad | * Add error code E1010010 * Add Block Details object to FIRsBlockInfo object * Remove Blocks List from FIRsBlockInfo object * Remove Product Users List from FIRsBlockInfo object   - Add Target Financial Institution to [RPBlockRq] object |
| 30 January 2019 | 1.30 | Mahmoud Gawad | * For specs changes refer to release notes doc * filter the error codes |

**Distribution List**

|  |  |
| --- | --- |
| **MOJ** |  |
| **SAMA UAT/Testing** |  |
| **Solution Delivery** |  |
| **Project Sponsor** |  |
| **Project Manager** |  |
| **Architecture Solution Unit** |  |

**Approvals List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role** | **Signature** | **Date** |
|  | SAMA Architecture Representative |  | Date of Approval |
|  | SAMA Solution Delivery |  |  |
|  | SAMA SOC team |  |  |
|  |  |  |  |
|  |  |  |  |

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

# Introduction

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

***This document has been issued to meet the requirements mentioned in the following document(s):***

* Tanfeeth Execution Services Procedures and Definition wave2 v1.5.pdf

## 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 **Blocking** and **Blocking** **Call Back** services between SAMA and MOJ and other government agencies

## Out of Scope

None

# Service Information

**RP Blocking** and **RP Blocking** **Call Back** services cover the Blocking action on the involved party

## Service Overview

|  |  |
| --- | --- |
| **Service Information** | |
| **Business Categorization** | SAMA Banking Enforcement |
| **Service IDs** | EXT-RP-BEA-002-010 |
| **Service Name** | RP Blocking |
| **Service Call Back Name** | RP Blocking Call Back |
| **Service Category** | Execution Services |
| **Service Sub-Category** | Services |
| **URL/WSDL** | [https://ip:443/bea/ws/ex/rp/block/v\*](https://ip:443/bea/ws/ex/rp/block/v*)  [https://ip:443/bea/ws/ex/rp/blockcallback/v\*](https://ip:443/bea/ws/ex/rp/blockcallback/v*) |
| **Service Type** | Request Response with Synchronous Acknowledgement |
| **Service Protocol** | SOAP/HTTPS (External) |
| **Business Requirements Doc ID(s)** | وثيقة متطلبات الاعمال لخدمات التنفيذ عن العلاقات المصرفية |

## Service Description

**RP Blocking** 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 Blocking** **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 Blocking
* RP Blocking Call Back

## Service Context

The service context describes the service providers and service consumers

|  |  |  |  |
| --- | --- | --- | --- |
| **Service Name** | **Protocol** | **Service Provider** | **Service Consumer** |
| **RP Blocking** | **SOAP/HTTPS** | **SAMA** | **Requesting Party** |
| **RP Blocking 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 Blocking

This operation is used to execute blocking 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 Blocking 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 Blocking Call Back** which government agencies (**Requesting Party**) have to expose.

## Service Messages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | **Message Formats** | | |
| **XML Schema** | ***Name*** | | ***Directory*** | ***Version*** |
| BaseLib.xsd | | /common | 1.30 |
| Header.xsd | | /common | 1.30 |
| ExecustionLib.xsd | | /execution/services | 1.30 |
| RPBlock.xsd | | /execution/services | 1.30 |
| RPBlockLib.xsd | | /execution/services | 1.30 |
| **WSDL file** | RPBlock.wsdl | | /execution/interfaces | 1.30 |
| RPBlockCallback.wsdl | | /execution/interfaces | 1.30 |

|  |  |  |
| --- | --- | --- |
| **ID** | **Message Name** | **Description** |
|  | RPBlockRq | This message represents blocking request message coming to SAMA from Requesting party |
|  | RPBlockRs | This message represents blocking response message going from requesting party to SAMA |

|  |  |  |
| --- | --- | --- |
| **ID** | **Message Name** | **Description** |
|  | RPBlockCallBackRq | This message represents request message going from SAMA to Requesting party |
|  | RPBlockCallBackRs | This message represents response message coming to SAMA from Requesting party |

## Service Contract

The service contract reference provides the service interfaces for **RP Blocking** & **RP Blocking 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 Blocking

#### RP Blocking Request (RPBlockRq)

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* |  |
| *RPBlockRq* | | *Complex* |  | *1* | *Y* |  | */Body/RPBlockRq* |  |
| *Requester* | | *Complex* |  | *1* | *Y* | *Type [T\_Rqstr]* | */Body/RPBlockRq/Rqstr* |  |
| *Involved Party* | | *Complex* |  | *1* | *Y* | *Type [T\_RpInvPrty]* | */Body/RPBlockRq/InvPrty* |  |
| *T*hird Party | | *Complex* |  | *1* | ~~N~~ Y | *Type [T\_ThrdPrty]* | */Body/RPBlockRq/ThrdPrty* |  |
| *Block Outline* | | *Complex* |  | *1* | *Y* | *Type [T\_RPBlockOutline]* | */Body/RPBlockRq/Outline* |  |
| *Block Decision info* | | *Complex* |  | *1* | *Y* | *Type [T\_BlockDcsnInfo]* | */Body/RPBlockRq/*Outline/DcsnInfo |  |
| *Execution Plan* | | *Complex* |  | *1* | *Y* | *Type [T\_ExePlan]* | */Body/RPBlockRq/Outline/ExePlan* |  |
| *Tranfer To Benefeciary* | | *Complex* |  | *1* | *Y* | *Type [T\_Benf]* | */Body/RPBlockRq/Outline/Benf* |  |
| Cross Currency Auto Transfer | | Boolean |  | 1 | Y |  | /Body/RPBlockRq/Outline/AutoXfer | Auto transfer in case of cross currency |
| *Target Financial Institution* | | *Complex* |  | *1* | *Y* (BAI not found) | *Type [T\_FinInst]* | */Body/RPBlockRq/FinInst* |  |

#### RP Blocking Response (RPBlockRs)

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* |  |

## RP Blocking Call Back

#### RP Blocking Call Back Request (RPBlockCallBackRq)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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* |  |
| *RPBlockCallBackRq* | | *Complex* |  | *1* | *Y* |  | */Body/RPBlockCallBackRq* |  |
| *Summary Info* | | *Complex* |  | *1* | *Y* | *Type [T\_*RPBlockSmryInfo] | */Body/RPBlockCallBackRq/SmryInfo* |  |
| *FIRsBlockDtls* | | *Complex* |  | *1* | *Y* | *Type [T\_FIRsBlockDtls]* | */Body/RPBlockCallBackRq/FIRsBlockDtls* |  |
| *FIRsBlockInfo* | | *Complex* |  | *1..\** | *Y* | *Type [T\_FIRsBlockInfo]* | */Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo* |  |
| FICode | | Text | 5 | 1 | Y | LOV (FI's, Appindex: B) | /Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/FICode | Financial Institution Code |
| FIRsStatus | | Text | 8 | 1 | Y | S9999999: No Bank Response  S9000003: Not a customer and added to the Black List ~~S9000005: Warning: No action taken because the specified account is not exist~~ S9000006: No action taken, Not a customer and the specified account is not exist S9000007: Warning: Known Customer and the action taken on the specified account and this account does not belong to the specified Involoved Party (Customer) S9000008: Warning: Known Customer and no action taken because the specified account is not exist S9000009: Warning: Unknown Customer and the action is taken the specified account S9000012: Transfer is holded because of invalid beneficiary S0000000: Success | /Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/FIRsStatus | Financial Institution response status |
| *Customer Info* | | *Complex* |  | *1* | *N (Involved Party is Not Customer)* | *Type [T\_CustInfo]* | */Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/CustInfo* |  |
| *FI Block Summary info* | | *Complex* |  | *1* | *N* | *Type [T\_BlockSmryInfo]* | */Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/SmryInfo* |  |
| *Blocks Details Info* | | *Complex* |  | *1* | *N* | *Type [T\_BlockDtlsInfo]* | */Body/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/BlockDtlsInfo* |  |
| *B*~~locks List~~ | | *Complex* |  | *1* | *Y (*~~Insufficient Amount collected i.e. {In override mode & Block Summary Info [Pending Amount] > [0 or not null] } )~~ | *Type [T\_ExeBlockDtls]* | */B*~~ody/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/BlockDtls~~ |  |
| *S*~~hares List~~ | | *Complex* |  | *1* | *Y (*~~Insufficient Amount collected i.e. {In override mode & Block Summary Info [Pending Amount] > [0 or not null] } )~~ | *Type [T\_ShrsList]* | */B*~~ody/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/ShrsList~~ | *If p*~~erson is a stakeholder in some companies, the company name has to be returned in the response~~ |
| *J*~~oint Accounts List~~ | | *Complex* |  | *1* | *Y (*~~Insufficient Amount collected i.e. {In override mode & Block Summary Info [Pending Amount] > [0 or not null] } )~~ | *Type [T\_JntAcctsList]* | */B*~~ody/RPBlockCallBackRq/FIRsBlockDtls/FIRsBlockInfo/JntAcctsList~~ | *The* ~~list of joint accounts~~ |

#### RP Blocking Call Back Response (RPBlockCallBackRs)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| S2000000 | No Data Found |
| S9000000 | Warning : The version of the service will be deprecated |
| S9999999 | No Bank Response |
| S9000003 | Not a customer and added to the Black List |
| S9000004 | Warning: There is incensement in the available blocked amount |
| S9000005 | Warning: No action taken because the specified account is not exist |
| S9000006 | Not a customer and the specified account is not exist |
| S9000007 | Warning: Known Customer and the action taken on the specified account and this account does not belong to the specified Involved Party (Customer) |
| S9000008 | Warning: Known Customer and no action taken because the specified account is not exist |
| S9000009 | Warning: Unknown Customer and the action is taken the specified account |
| E9000001 | Message Not delivered to the partner |
| **Comments** | For Failed Operation, please refer to Error Code in details for each service |

## Error Code & Messages

|  |  |
| --- | --- |
| **Error Code** | **Error Description** |
| E1010000 | A request with same information is already submitted |
| E1010001 | Second & last name are required for Saudis Nationalities |
| E1010002 | ID type does not match the nationality |
| E1010003 | IBAN does not match with the selected financial institute |
| E1010004 | ID number does not match the Name |
| E1020001 | Invalid Person Name |
| E1020002 | Invalid Entity ID Type |
| E1020003 | Invalid Entity ID Number |
| E1020004 | Invalid Nationality |
| E1020005 | Invalid Entity Name |
| E1020006 | Invalid Account Number |
| E1020007 | Invalid IBAN |
| E1020008 | Invalid Deposit Number |
| E1020009 | Invalid Safe Number |
| E1020010 | Invalid Financial Institution |
| E1020011 | Requester name is required |
| E1020012 | Invalid Partner Id |
| E1020013 | Invalid Partner Id Requester |
| E1020014 | The account number should be associated with one Financial Code |
| E1020015 | Duplicated Message ID |
| E9999999 | Fatal Error |
| E1020016 | Invalid Partner SRN |
| E1020017 | Invalid  Geo Location Region |
| E1020018 | Invalid  Geo Location City |
| E1020019 | Invalid  Geo Location Division |
| E1020020 | Invalid  Geo Location Department |
| E1020021 | Invalid Requester Position |
| E1020022 | Invalid Account Query or Involved Party |
| E1020023 | Invalid Second Name or Last Name |
| E1020024 | Invalid Status |
| E1020025 | Invalid CRN |
| E1020026 | Invalid SRN |
| E1020038 | Invalid Financial Institution Group |
| E1020039 | Invalid Third Party Id Type |
| E9810000 | Mismatched public/private key pair |
| E9810001 | No keys, sskeys, or certificates specified |
| E9810002 | DN and partner id mismatch |
| E9810005 | Authorization failure |
| E9810003 | Invalid Partner Id |
| E9810004 | Need to capture proper location)--Schema Validation Error) |
| E1010000 | A request with same information is already submitted |
| E1010001 | Second & last name are required for Saudis Nationalities |
| E1010002 | ID type does not match the nationality |
| E1010003 | IBAN does not match with the selected financial institute |
| E1010004 | ID number does not match the Name |
| E1010005 | The Lifting has been done before |
| E1010006 | Transfer Failed due to Insuffecient Funds |
| E1010007 | Transfer Failed due to multiple blocking found |
| E1010008 | Transfer Failed due to Insuffecient Funds (FX rate change) |
| E1010009 | Mismatched accounts list |
| E1010010 | The RRN is not related to the SRN |
| E1070001 | The request can not be performed because of missing data  يتعذر تنفيذ المطلوب لعدم اكتمال البيانات |
| E1070002 | The request can not be performed because involved party partially owned by the government  يتعذر تنفيذ المطلوب كون المنفذ ضدة مملوك نسبياً للحكومة |
| E1070003 | The request can not be performed because involved party is a government agency  يتعذر تنفيذ المطلوب كون المنفذ ضدة جهة حكومية |

# Appendices

## Appendix B: Codes

Please refer to List of values (LOVs) Document

## Appendix D: 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 |