**

Financial Institutes Interface Service Specification

Lift The Restriction

**Atomic Service**

**(EXT-FI-BEA-002-009)**

**Banking Enforcement Automation**

Prepared by : SBM

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**Record of changes**

|  |  |  |  |
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| **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 |
| 15 July 2018 | 1.21 | Mahmoud Gawad | Apply business requirements |
| 13 September 2018 | 1.22 | Mahmoud Gawad | * Add [Execution Date Time] to [FILiftCallBackRq] object * Make Customer Info object optional * Add [Block Lift Info] to [FILiftCallBackRq] object * Replace [Fund Transfer Condition] with [Block Lift Condition] object at [FILiftRq] object   Add some error codes and status codes |
| 08 October 2018 | 1.23 | Mahmoud Gawad | * Remove error code E1020028 * Add Lift Decision info object to FILiftRq |
| 30 January 2019 | 1.30 | Mahmoud Gawad | * For specs changes refer to release notes doc * filter the error codes |
| 04 March 2019 | 1.31 | Mahmoud Gawad | * update mandatory condition for [Block Full Lift Info] in [FILiftCallBackRq] object * update mandatory condition for [Customer Info] in [FILiftCallBackRq] object * update mandatory condition for [Block Lift Condition] in [Outline] object * update response status code section * update error code section * Adding Appendix C: Mandatory Fields Description * Adding Appendix D: Service Details Color Mapping * Rename objects to be [T\_FILiftOutline , T\_FILiftExePlan , T\_FILiftFull , T\_InvPrty]   Instead of [T\_LiftOutline , T\_LiftExePlan , T\_LiftFull , T\_RPInvPrty] |
| 19 June 2019 | 1.33 | SBM Team | * Change Type[T\_BaseAmt\_PosAmt, T\_BaseAmt] in baselib |

**Distribution List**

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

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|  |  |  |  |
|  |  |  |  |

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

# Introduction

SAMA is automating banking enforcement services and the “Lift the Restriction” ("**خدمة الرفع**") is one of the services will be used by the requesting party (MOJ and other government agencies) to request “Lift the Restriction” from the financial institutes 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):***

* وثيقة الاجراءات المصرفية لخدمات الرفع V1.7.pdf

## Purpose

The purpose of this document is to describe the interface specifications between SAMA and Financial institutions

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

## Scope

This document defines the **Lift the Restriction** and **Lift the Restriction** **Call Back** services between SAMA and Financial institutions

## Out of Scope

None

# Service Information

**FI Lift the Restriction** and **FI Lift the Restriction Call Back** services cover the Lift request one the involved party

## Service Overview

|  |  |
| --- | --- |
| **Service Information** | |
| **Business Categorization** | SAMA Banking Enforcement |
| **Service IDs** | EXT-FI-BEA-002-009 |
| **Service Name** | FI Lift the Restriction |
| **Service Call Back Name** | FI Lift the Restriction Call Back |
| **Service Category** | Execution Services |
| **Service Sub-Category** | Services |
| **URL/WSDL** | [https://ip:443/bea/ws/ex/fi/lift/v\*](https://ip:443/bea/ws/ex/fi/lift/v*)  [https://ip:443/bea/ws/ex/fi/liftcallback/v\*](https://ip:443/bea/ws/ex/fi/liftcallback/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

**FI Lift the Restriction** is a web service implemented by Financial institutions and it is used by SAMA in order to send info about Involved Party.

**FI Lift the Restriction Call Back** is a web service implemented by SAMA and it is used by Financial institutions in order to send info about accounts

It contains following operations:

* FI Lift the Restriction
* FI Lift the Restriction Call Back

## Service Context

The service context describes the service providers and service consumers

|  |  |  |  |
| --- | --- | --- | --- |
| **Service Name** | **Protocol** | **Service Provider** | **Service Consumer** |
| **FI Lift the Restriction** | **SOAP/HTTPS** | **Financial Institutes** | **SAMA** |
| **FI Lift the Restriction Call Back** | **SOAP/HTTPS** | **SAMA** | **Financial Institutes** |

## 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

#### FI Lift the Restriction

This operation is used to execute Lift action in the Financial institutions.

Detailed data about the involved party is given in input parameter which contains XML where involved details are contained.

Financial institution’s system generates the response which is also XML containing all needed data.

Financial institution will call another web services (**FI Lift the Restriction Call Back)** which has to be implemented by SAMA once Financial institution executed the Lift action.

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

#### FI Lift the Restriction Call Back

SAMA will expose this service so the Financial institutes will send the required data.

and the confirmation on the request sent by SAMA using **FI Lift the Restriction** service

## Service Messages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Message Formats** | | | |
| **XML Schema** | | ***Name*** | ***Directory*** | ***Version*** |
| BaseLib.xsd | /common | 1.31 |
| Header.xsd | /common | 1.31 |
| ExecutionLib.xsd | /execution/services | 1.31 |
| FILift.xsd | /execution/services | 1.31 |
| FILiftLib.xsd | /execution/services | 1.31 |
| **WSDL file** | | FILift.wsdl | /execution/interfaces | 1.31 |
| FILiftCallback.wsdl | /execution/interfaces | 1.31 |

|  |  |  |
| --- | --- | --- |
| **ID** | **Message Name** | **Description** |
|  | FILiftRq | This message represents lift request message going from SAMA to Financial institutes |
|  | FILiftRs | This message represents lift response message coming to SAMA from Financial institutes |

|  |  |  |
| --- | --- | --- |
| **ID** | **Message Name** | **Description** |
|  | FILiftCallBackRq | This message represents request message coming to SAMA from Financial institutes |
|  | FILiftCallBackRs | This message represents response message going from SAMA to Financial institutes |

## Service Contract

The service contract reference provides the service interfaces for **FI Lift** & **FI Lift 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

## FI Lift the Restriction

#### FI Lift the Restriction Request (FILiftRq)

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* |  |
| *FILiftRq* | *Complex* |  | *1* | *Y* |  | */Body/FILiftRq* |  |
| *Requester* | *Complex* |  | *1* | *Y* | *Type [T\_Rqstr]* | */Body/FILiftRq/Rqstr* |  |
| *Lift Outline* | *Complex* |  | *1* | *Y* | *Type [T\_*FILiftOutline] | */Body/FILiftRq/Outline* |  |
| *Lift Decision info* | *Complex* |  | *1* | *Y* | *Type [T\_LiftDcsnInfo]* | */Body/FILiftRq/Outline/DcsnInfo* |  |
| *Service Reference Info* | *Complex* |  | *1* | *Y* | *Type [T\_SrvcRefInfo]* | */Body/FILiftRq/Outline/SrvcRefInfo* |  |
| *Execution Plan* | *Complex* |  | *1* | *Y , S[A,B]* | *Type [T\_*FILiftExePlan] | */Body/FILiftRq/Outline/ExePlan* |  |
| *[A] Full Lift* | *Complex* |  | *1* | *S[1,2]* | *Type [T\_*FILiftFull] | */Body/FILiftRq/Outline/ExePlan/Full* |  |
| *[1] Involved Party* | *Complex* |  | *1* |  | *Type [*T\_InvPrty] | */Body/FILiftRq/Outline/ExePlan/InvPrty* |  |
| *[2] Bank Account Identification (BAI)* | *Complex* |  | *1* |  | *Type [T\_AccId]* | */Body/FILiftRq/Outline/ExePlan/AccId* |  |
| *[B] Partial Lift* | *Complex* |  | *1* | *S[1,2]* | *Type [T\_LiftPart]* | */Body/FILiftRq/Outline/ExePlan/Part* |  |
| *[1] Bank Account Identification (BAI)* | *Complex* |  | *1* |  | *Type [T\_AccId]* | */Body/FILiftRq/Outline/ExePlan/AccId* |  |
| *[2] Bank Deposit Identification (BDI)* | *Complex* |  | *1* |  | *Type [T\_Depot]* | */Body/FILiftRq/Outline/ExePlan/Depot* |  |
| *Block Lift Condition* | *Complex* |  | *1* | Y(Full block lift with Transfer), ~~I(others)~~ | *Type [T\_BlockLiftCndtn]* | */Body/FILiftRq/Outline/BlockLiftCndtn* | ~~For lift Block service only, and it will be a conditional Lift in case of successful Fund Transfer~~ |

#### FI Lift the Restriction Response (FILiftRs)

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* |  |

## FI Lift the Restriction Call Back

#### FI Lift the Restriction Call Back Request (FILiftCallBackRq)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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* |  |
| *FILiftCallBackRq* | *Complex* |  | *1* | *Y* |  | */Body/FILiftCallBackRq* |  |
| *Customer Info* | *Complex* |  | *1* | Y(Involved Party is a Customer) | *Type [T\_CustInfo]* | */Body/FILiftCallBackRq/CustInfo* |  |
| Execution Date Time | Text | 19 | 1 | Y | format (YYYY-MM-DDThh:mm:ss) | /Body/FILiftCallBackRq/ExeDtTm | The timestamp when the action is taken |
| *Block Full Lift Info* | *Complex* |  | *1* | Y (The request has Block Full Lift Condition)~~, I (others)~~ | *Type [T\_BlockLiftInfo]* | */Body/FILiftCallBackRq/BlockLiftInfo* |  |
| *Lift Summary info* | *Complex* |  | *1* | *Y* | *Type [T\_LiftSmryInfo]* | */Body/FILiftCallBackRq/BlockLiftInfo/SmryInfo* |  |
| *Transfers List* | *Complex* |  | *1* | *Y* | *Type [T\_ExeXferList]* | */Body/FILiftCallBackRq/BlockLiftInfo/XfersList* |  |

#### FI Lift the Restriction Call Back Response (FILiftCallBackRs)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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* |  |

## Response Status Code

|  |  |
| --- | --- |
| **Status Code Specifications** | |
| **Status Code** | **Description** |
| S0000000 | Success : The operation done successfully |
| S1000000 | Acknowledgment : The Requesting service is received By B2B Channel |
| S9000007 | Warning: Known Customer and the action taken on the specified Account and this Account does not belong to the specified Involved Party (Customer) |
| S9000009 | Warning: Unknown Customer and the action is taken the specified Account |
| S9000010 | No relation and the lift done successfully |
| S9000011 | There is relation and the lift done successfully |
| S9000012 | Transfer is holed because of invalid beneficiary |
| **Comments** | For Failed Operation, please refer to Error Code in details for each service |

## Error Code & Messages

|  |  |
| --- | --- |
| **Error Code** | **Error Description** |
| E9810000 | Mismatched public/private key pair |
| E9810001 | No keys, ssl keys, or certificates specified |
| E9810002 | DN and partner id mismatch |
| E9810003 | Invalid Partner Id |
| E9810004 | Need to capture proper location) --Schema Validation Error) |
| E9810005 | Authorization failure |
| E9999999 | Fatal Error |
| E1010004 | Invalid Customer Info Data |
| E1010005 | Invalid Execution Date Time |
| E1010008 | Invalid Exchange Rate |
| E1010050 | Invalid Tarnsfer List Size |
| E1010051 | Transfer Account shouldn't be Joint |
| E1010052 | Transfer Amount [blockAmt] not equal Deducted Amount [Source Amount] with same Currency |
| E1010053 | Invalid Transfer status [02] and Beneficiary BIC not equal Partner BIC |
| E1020006 | Invalid Account Number |
| E1020007 | Invalid/Missing IBAN |
| E1020012 | Invalid Partner Id |
| E1020015 | Duplicated Message ID |
| E1020024 | Invalid Status |
| E1020025 | Invalid CRN |
| E1020026 | Invalid SRN |
| E1020037 | Invalid / Missing Currency |
| E1020040 | Invalid Product User Id Type |
| E1020047 | Duplicated Account Number/IBAN |
| E1020050 | Invalid Product User Count |
| E1020051 | Invalid Product User Info |
| E1020063 | Owner does not Exist in Product User List |
| E1020064 | Source Amount, Transfer Amount, Transfer Date, Exchange Rate and Reference Number should Exist with Processed Status |
| E1020065 | Source Amount, Transfer Amount, Transfer Date, Exchange Rate and Reference Number shouldn't Exist with Hold Status |
| E1020066 | Repeated Transaction Reference Number |
| E1020067 | Total Summary Amount [Total Amount] not equal sum of Transferred Amount [blockAmt] |
| E1020068 | Mismatch between Transfer Status |
| E1020069 | Traget Tarnsfer Amount not Equal Sum of Transferred Amount |

# 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

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

## Appendix D: Service Details Color Mapping

|  |  |
| --- | --- |
| **Description** | **Color** |
| Updated Information | Red |
| Deleted Information | Red with strikethrough |