**

Financial Institutes Interface Service Specification

Deny Dealing

**Atomic Service**

**(EXT-FI-BEA-002-007)**

**Banking Enforcement Automation**

Prepared by : SBM

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**Record of changes**

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| 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 |
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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 the “Deny dealing” ("**منع التعامل**") is one of the services will be used by the requesting party (MOJ and other government agencies) to request “Deny dealing” 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 لخدمة منع التعامل 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 **Deny Dealing** and **Deny Dealing** **Call Back** services between SAMA and Financial institutions

## Out of Scope

None

# Service Information

**FI Deny Dealing** and **FI Deny Dealing** **Call Back** services cover the deny dealing request one the involved party

## Service Overview

|  |  |
| --- | --- |
| **Service Information** | |
| **Business Categorization** | SAMA Banking Enforcement |
| **Service IDs** | EXT-FI-BEA-002-007 |
| **Service Name** | FI Deny Dealing |
| **Service Call Back Name** | FI Deny Dealing Call Back |
| **Service Category** | Execution Services |
| **Service Sub-Category** | Services |
| **URL/WSDL** | [https://ip:443/bea/ws/ex/fi/denydlng/v\*](https://ip:443/bea/ws/ex/fi/denydlng/v*)  [https://ip:443/bea/ws/ex/fi/denydlngcallback/v\*](https://ip:443/bea/ws/ex/fi/denydlngcallback/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 Deny Dealing** is a web service implemented by Financial institutions and it is used by SAMA in order to request info about accounts.

**FI Deny Dealing** **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 Deny Dealing
* FI Deny Dealing Call Back

## Service Context

The service context describes the service providers and service consumers

|  |  |  |  |
| --- | --- | --- | --- |
| **Service Name** | **Protocol** | **Service Provider** | **Service Consumer** |
| **FI Deny Dealing** | **SOAP/HTTPS** | **Financial Institutes** | **SAMA** |
| **FI Deny Dealing 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 Deny Dealing

This operation is used to execute deny dealing 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 Deny Dealing Call Back)** which has to be implemented by SAMA once Financial institution executed the deny dealing action.

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

#### FI Deny Dealing 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 Deny Dealing** 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 |
| FIDenyDlng.xsd | | /execution/services | 1.31 |
| FIDenyDlngLib.xsd | | /execution/services | 1.31 |
| **WSDL file** | FIDenyDlng.wsdl | | /execution/interfaces | 1.31 |
| FIDenyDlngCallback.wsdl | | /execution/interfaces | 1.31 |

|  |  |  |
| --- | --- | --- |
| **ID** | **Message Name** | **Description** |
|  | FIDenyDlngRq | This message represents deny dealing request message going from SAMA to Financial institutes |
|  | FIDenyDlngRs | This message represents deny dealing response message coming to SAMA from Financial institutes |

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

## Service Contract

The service contract reference provides the service interfaces for **FI Deny Dealing** & **FI Deny Dealing 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 Deny Dealing

#### FI Deny Dealing Request (FIDenyDlngRq)

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* | |  | |
| *FIDenyDlngRq* | | | *Complex* | | |  | | *1* | | *Y* | |  | | */Body/FIDenyDlngRq* | |  | |
| *Requester* | | | *Complex* | | |  | | *1* | | *Y* | | *Type [T\_Rqstr]* | | */Body/FIDenyDlngRq/Rqstr* | |  | |
| *Involved Party* | | | *Complex* | | |  | | *1* | | *Y* | | *Type [T\_InvPrty]* | | */Body/FIDenyDlngRq/InvPrty* | |  | |
| *Third Party* | | | *Complex* | | |  | | *1* | | *N* | | *Type [T\_ThrdPrty]* | | */Body/FIDenyDlngRq/ThrdPrty* | |  | |
| *Deny Dealing Outline* | | | *Complex* | |  | | *1* | | *Y* | | *Type [T\_DenyDlngOutline]* | | */Body/FIDenyDlngRq/Outline* | | | |
| *Deny Dealing Decision info* | | | *Complex* | |  | | *1* | | *Y* | | *Type [T\_DlngDcsnInfo]* | | */Body/FIDenyDlngRq/Outline/DcsnInfo* | | | |

#### FI Deny Dealing Response (FIDenyDlngRs)

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* |  |

## FI Deny Dealing Call Back

#### FI Deny Dealing Call Back Request (FIDenyDlngCallBackRq)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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* |  |
| *FIDenyDlngCallBackRq* | *Complex* |  | *1* | *Y* |  | */Body/FIDenyDlngCallBackRq* |  |
| *Customer Info* | *Complex* |  | *1* | Y(Involved Party is a Customer) | *Type [T\_CustInfo]* | */Body/FIDenyDlngCallBackRq/CustInfo* |  |
| Execution Date Time | Text | 19 | 1 | Y | format (YYYY-MM-DDThh:mm:ss) | /Body/FIDenyDlngCallBackRq/ExeDtTm | The timestamp when the action is taken |

#### FI Deny Dealing Call Back Response (FIDenyDlngCallBackRs)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| S1000000 | Acknowledgment : The Requesting service is received By B2B Channel |
| S9000003 | Not a customer and added to the Black List |
| **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 |
| 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 |
| E1020050 | Invalid Product User Count |
| E1020051 | Invalid Product User Info |
| E1020063 | Owner does not Exist in Product User List |

# 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 |