

FIS

WATCHLIST REPORTER WEB

SERVICE SYSTEM

APPLICATION

PROGRAMMING INTERFACES

**VERSION**

**WLR.**

**202**

**3**

**.**

**2**

**.**

**0**

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# 1 Introduction

The FIS WatchList Reporter (WLR) Web Service interface (API) enables external systems to integrate WatchList scanning into their processes.

The WLR Web Service uses the Simple Object Access Protocol (SOAP) for its implementation. It accepts one transaction x customer record scan per request. This document describes the web services used in the communication.

The WLR Web Service API has two types of service methods:

**» PerformScan**: executes a transaction or customer record scan

**» SubmitScan**: saves the transaction or customer record request and executes scan request in background thread.

**» GetScanStatus**: obtains the status and details of a previous scan

The service is initiated by invoking a WLR web service API call. Both the request and the response are formatted in XML. The web service handles only structured data; it does not support unstructured scan data.

## 1.1 PerformScan And SubmitScan methods

The main difference between **PerformScan** **and SubmitScan** methods are the **PerformScan** runs scan request and send back scan response, rather **SubmitScan** tracks the request and send back validation response and runs scan request asynchronously in background.

The **PerformScan** **and SubmitScan** method supports these structured data formats:

**»** XML (Customer)

**»** XML (Transactions)

**»** FedWire transfer (Transactions)

**»** SWIFT (Transactions)

**»** NACHA (Transactions)

The input system identifies the type of request and performs the appropriate scan. The results of the scan are sent back to the originating system in the response. This response includes the *RequestId* that uniquely identifies the given request in the WLR system. The calling system can also optionally define the request to specify whether: **»** a WLR alert will be created if one or more matches are found, or **»** the results will be written to an output file.

### **Introduction**

The choice of alert creation output to file is based on the “WriteOutputInFile” tag enabled in the request; the FileType, FileLocation, IncludeAllScanResult, and

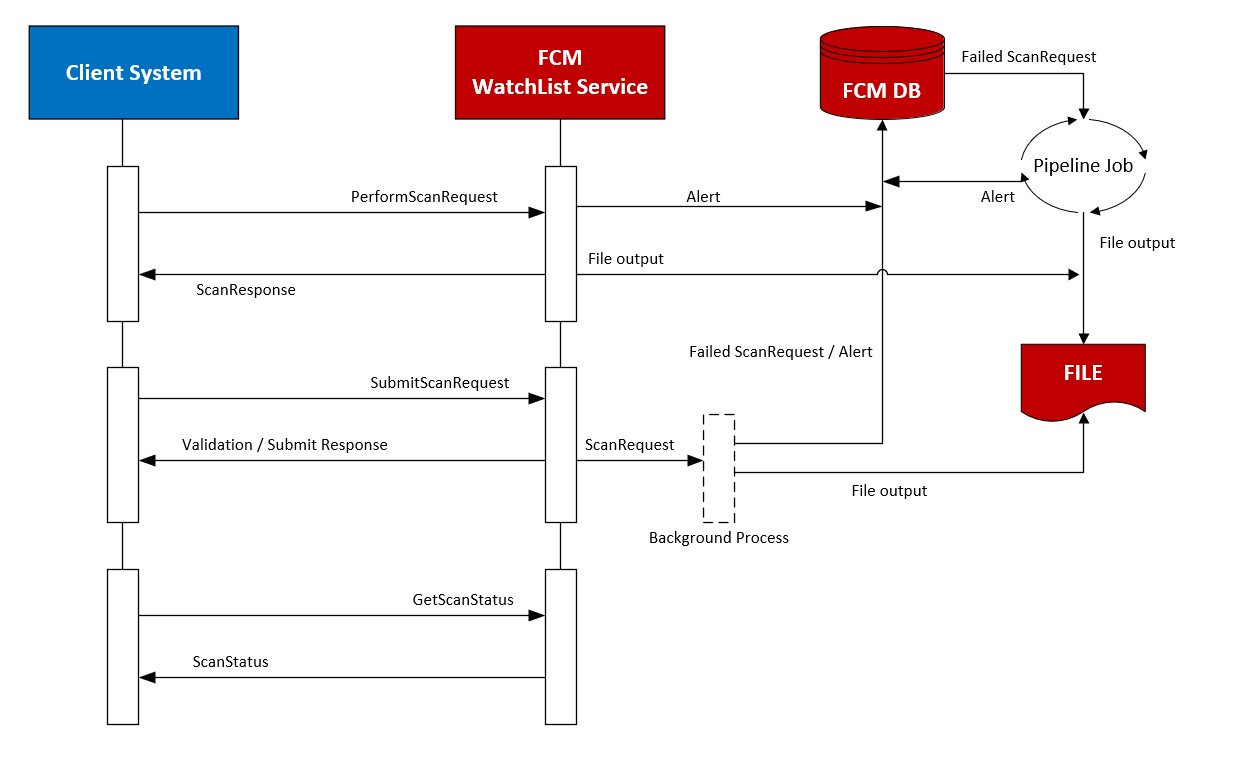
IncludeMatchedPartyDetail value defined in the request provide additional context for the alert output.

## 1.2 GetScanStatus method

The **GetScanStatus** retrieves the status of an executed scan. The *RequestId* returned in the PerformScan response must be passed to the GetScanStatus method to successfully obtain the status of the executed scan.

The *Version* and *SystemId* elements in the request are system identifiers; the values provided in the request must be the same as defined in the WatchListApi service configuration settings, in the path **WatchListApi/Service/**.

*The communication flow between the Client and WatchList Reporter Service*



**Permissions**

# 2 Permissions

By default, the WatchList Reporter System uses Windows authentication.

All service call operations are authenticated and authorized.

The configuration values required for the Authenticate Permission credentials are described in the FIS WatchList Reporter Installation and Administration Guide.

## **Terminology**

3 Terminology

|  |  |
| --- | --- |
| **TERM** | **DESCRIPTION** |
| **Version** | Identifier assigned to the specific version of the WLR Processing  System at installation and configuration |
| **SystemID** | Label used by the WLR API Processing System to identify itself in all communications between systems, assigned at installation and configuration |
| **ApplicationName** | Name identifier assigned to the WLR Processing System at installation and configuration |
| **RequestId** | Unique identifier generated by the Client System to each request |
| **BusinessUnit** | Name identifier of the Business Unit generated for the Client |
| **ScanJobName** | Name of the Scan Job configuration defined in the WatchList  Reporter System |
| **ScanJobRouting** | Define params such as param1, param2 and param3 through which Scan job can be located. |
| **ScanType** | Scope identifier of the type of Scan as defined in the Scan  Parameter: Full, Incremental |
| **ConfidenceThreshold** | Threshold limit of the scan (ranging from 1 to 100) as defined in the Scan Parameter. If empty, the request takes the threshold value from the Scan Parameter. A provided value for this element supersedes the corresponding value defined in the Scan Parameter. |
| **WatchList** | The WatchList(s) that are configured for scanning. If empty, the request scans the WatchLists defined in the Scan Parameter. A provided value for this element supersedes the WatchLists defined in the Scan Parameter. |
| **ScanRequest** | The data to be scanned. See the *sample request*. |
| **OperationStatus** | The status of the operation (function) on the data:  » **InvalidArguments** » **Unauthorized**  » **ProcessingError** » **VersionMismatch**  » **Success** |
| **OperationMessage** | Free-form text providing additional information on the status of the operation (limited to255 characters) |

## **Terminology**

|  |  |
| --- | --- |
| **NOTE** | Any time stamps mentioned in this document are expected to be in the format (with **literal characters**):  » *yyyy***-***MM***-***dd***T***HH***:***mm***:***ss***.***zzzzzz***Z** |

# 4 API Calls

The implementation of the WatchList Reporter System uses SOAP for submitting scan input data to the system and receiving responses for each submission from the system.

The Watch List Reporter System will send an error response if the web service request call does not meet any of the following validations:

1. The structure of the XML code is invalid (format violation).
2. The data being validated contains prohibited characters.
3. Any data other than those defined for the specified format (SWIFT, FedWire, NACHA, XML) will be treated as unstructured data.
4. The scan input tags/codes for SWIFT/FedWire/NACHA/XML formats should be configured in the Structured Data Code Configuration UI.
5. Only enabled codes (defined to be included in data matching for Scan Data) are considered and executed in the scan request.
6. The mandatory fields in “Payload” cannot be empty. Otherwise, an error message is returned.
7. The “Payload” cannot have additional customer or transaction fields or tags.
8. Each web service request cannot contain more than one customer or transaction record.

## 4.1 Error handling

### 4.1.1 Connection Errors

Failed authentication results in an HTTP 401 response.

Failed authorization results in an HTTP 403 response.

If the web service is unreachable, there will be an HTTP 500 response.

### 4.1.2 Processing Errors

All other errors result in an HTTP 200 response, which also includes an operation status that provides further details on the error. Details about the error are also available in the system logs, available in the WatchList Reporter product.

4.1.2.1 PerformScan method

|  |  |
| --- | --- |
| **OPERATIONSTATUS VALUE** | **CAUSE** |
| **Unauthorized** | User calling the service does not match the Processing System specified in the configuration. |
| **VersionMismatch\*** | Version does not match the Version configuration setting. |
| **InvalidArguments\*** | Mandatory parameter values are not passed in the request system |
| **ProcessingError** | Input request data are not in the specified format or are invalid. |
| **OperationNotAvailable** | The specified operation is not yet implemented. |
| **SystemBusy** | The system is busy, but further attempts may succeed. |

4.1.2.2 SubmitScan method

|  |  |
| --- | --- |
| **OPERATIONSTATUS VALUE** | **CAUSE** |
| **Unauthorized** | User calling the service does not match the Processing System specified in the configuration. |
| **VersionMismatch\*** | Version does not match the Version configuration setting. |
| **InvalidArguments\*** | Mandatory parameter values are not passed in the request system |
| **ProcessingError** | Input request data are not in the specified format or are invalid. |
| **OperationNotAvailable** | The specified operation is not yet implemented. |

See *FIS WatchList Reporter User Guide* for information on the **WatchListApi/Service/..**

system value settings.

## 4.2 SOAP

In the following URL citations, the notation **API\_PATH** stands for: **»** https://FCM web server site/Content/Services The SOAP-specific endpoint is:

**»** address of the WatchList service itself: **API\_PATH/WatchListService.svc**

The web service description language (WSDL) addresses are:

**»** description of API call:

**API\_PATH**/WatchListService.svc**?wsdl**

**»** full description of API call:

**API\_PATH**/WatchListService.svc**?singleWsdl**

The SOAP call to the WatchList API functions takes the canonical forms shown in the code segments in the next section, the first for a request, the second for a response.

**Requests and Responses**

# 5 Requests and Responses

All communications between the external calling system and WLR to and from the request structures consist of function-specific input and a set of metadata fields.

## 5.1 Common request metadata

In addition to the fields that are specified for each of the request functions, each request must contain the following fields.

|  |  |
| --- | --- |
| **PARAMETER** | **DESCRIPTION** |
| **Version** | In this version, this field must be set to 1. |
| **SystemID** | Identifier of the external system initiating the request to the  WLR web service |
| **ApplicationName** | Name of the external system initiating the request |
| **RequestId** | Unique identifier for the scan request |

## 5.2 Common response metadata

All responses contain these fields, in addition to any function-specific output.

|  |  |
| --- | --- |
| **PARAMETER DESCRIPTION** | |
| **Version** | In this version, this field must be set to 1. |
| **ResponseTimestamp** | Timestamp of the response set by the WLR System in UTC Format |
| **SystemID** | Identifier of external system initiating the call to WLR |
| **OperationStatus** | Status of the operation (function) on the data |
| **OperationMessage** | Additional text description of the operation status |
| **RequestId** | Unique identifier for the scan request |

# 6 From Client to WLR System

## 6.1 Client system connection

The WLR API System Client system should invoke the WLR System service using the SOAP WSDL (or) Client Proxy.

## 6.2 *PerformScan* method

|  |  |  |  |
| --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE [DATA TYPE]** | | | |
| **Version** | **YES** | WLR Web Service API version | In this version, this field must be set to 1. [AN] |
| **SystemID** | **YES** | System Identity of the API | As defined in WLR configuration settings. [Default = 1234] [AN] |
| **ApplicationName** | **YES** | Name of the application | As defined in WLR configuration setting |
| **RequestId** | **YES** | Unique identifier of the request. Field size is 50 characters. | [AN] |
| **ScanJobName** | **NO** | Name of the Scan Job configuration. Field size is 600 characters. | As defined in the WatchList System  [X] |
| **ScanJobRouting** | **NO** | Has routing Params to locate Scan  Job | As defined in the WatchList System  [X] |
| **ScanType** | **YES** | Type of Scan as defined in the Scan  Parameter | “Full” | “Incremental” [X] |

This function receives the customer/transaction record, and evaluates that the input record meets the validation criteria. The input record is scanned using the configured scan parameters. The scan results will be sent based on the output option defined in the scan input. The calling system receives the response.

|  |  |
| --- | --- |
| **NOTE** | A *PerformScan* request that uses a previously submitted RequestId will result in an error returned with appropriate error detail.  Structured Data Codes/Tags must be defined in the WLR UI:  Configuration > WatchList > Structured Data (detailed in the WLR User Guide). |

### 6.2.1 PerformScanRequest

|  |  |  |  |
| --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE [DATA TYPE]** | | | |
| **ConfidenceThreshold** | **NO** | Threshold limit of the Scan as defined in the Scan Parameter. | integer in range from 0 to 100 [X] |
| **ResultConfiguration** | **YES** | Scan Result configuration and output settings, as listed here: | [N] |
| **WriteOutputInFile**: whether to write the scan results to a file | WriteOutputInFile = “true” | “false”  [B] |
| **FileType**: generate the output file formatted as either XML or text | FileType = “xml” | “text” |
| **FileLocation**: generate the output file to the specified location. The default file location is in the WLR installation location “**<Tenant**  **Path>/WLRRoot/WatchListAPISearch Data/Webservice/<ScanJobName>/ ScanResults**”. | FileLocation = full path to output file folder [A] |
| **IncludeAllScanResult**: whether to save all results or only topmatched results to file; either “true”: write all scan matched results; “false“: write only top matched results. | IncludeAllScanResult = “true” |  “false” [B] |
|  | **IncludeMatchedPartyDetail**: whether to include the details of the party in results | IncludeMatchedPartyDetail = “true”  | “false” [B] |
| **CreateAlert**:swhether to create an alert if applicable | CreateAlert = “true” | “false” [B] |
| **ResultBackToOriginatingSystem**:  whether to send scan result to the originating system | ResultBackToOriginatingSystem =  “true” | “false” [B] |
| **WatchList** | **NO** | WatchList for Scan | If left blank, the scan request uses the set of watch lists specified in the scan parameter. To override the parameter setting, enter a comma-separated list of watch lists. [A] |
| **RequestProcessingType** | **NO** | Process type of the System, as passed to the originating system, with four options: | If not specified, default type is “ScanResults” [A] |
| **PARAMETER REQUIRED DESCRIPTION VALUE [DATA TYPE]** | | | |
|  |  | **ScanResults** | Output types configured for the request created as result without request information |
|  | **IncludeOriginalRequest** | Scan Result included with the original scan request in the scan output |
| **AlertId** | Scan result output has only the Alert details |
| **All** | All output options |
| **ScanRequest** | **YES** | Payload request for the Scan.  Namespace qualifier for the request. It should be **TransactionRequest** or **CustomerRequest**:  <w3:ScanRequest xsi:type="w3:**TransactionRequest**" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  or  <w3:ScanRequest xsi:type="w3:**CustomerRequest**" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PARAMETER** | **REQUIRED DESCRIPTION** | | **FIELD SIZE** | **VALUE** |
| **CustomerId** | **YES** | Customer identifier | 255 | [N] |
| **CustomerName** | **YES** | Customer name | 2000 | [AN] |
| **StreetAddress** | **NO** | Customer’s street address | 1000 | [X] |
| **City** | **NO** | Customer’s city | 255 | [X] |
| **State** | **NO** | Customer’s state | 255 | [X] |
| **Country** | **NO** | Customer’s country | 255 | [X] |
| **Branch** | **NO** | Branch associated with customer |  | [X] |
| **Department** | **NO** | Department associated with customer |  | [X] |
| **PEPIndicator** | **NO** | PEP (“politically exposed person”) Indicator |  | [X] |
| **TIN** | **NO** | Tax Identification or Social  Security Number |  | [X] |

6.2.1.1 Customer Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PARAMETER** | **REQUIRED DESCRIPTION** | | **FIELD SIZE** | **VALUE** |
| **PassportNumber** | **NO** | Passport number |  | [AN] |
| **DateofBirth** | **NO** | Date of birth |  | [D] |
| **DriverLicenseNumber** | **NO** | Driver license number |  | [AN] |
| **DriverLicenseIssuingState** | **NO** | Driver license issuing state |  | [X] |
| **CustomerType** | **NO** | Customer type |  | “Individual” |  “Business” [AN] |

6.2.1.2 Transaction XML Request

|  |  |  |  |
| --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE** | | | |
| **Cust** | **YES** | Must match an identifier value in the  Customer table | 1-35X |
| **Account** | **NO** | Must match an identifier value owned by the above customer in the Account table | 1-35X |
| **Type** | **YES** | Must map to a valid activity type (field “Type”) in the ActivityType table. The mapping is done using the activity map functionality within BSA Reporter. A record with this value must be present in the “OrigActivity” field in the ActivityMap table before this information may be imported. Read the document “Loading Activity Data.doc” for a more detailed explanation. | 1-9999999N |
| **CashTran** | **NO** | Indicates if the transaction was done in cash/currency | B  “1”: true (cash)  “0”: false (not cash) |
| **BaseAmt** | **NO** | Amount of the transaction; must be greater than 0 | M |
| **RecvPay** | **NO** | Indicates if the transaction was “Cash  In = Receive) or “Cash Out = Pay) | 1N;  “1” = receive;  “2” = pay; |
| **Curr** | **NO** | Currency | 1-3A |

|  |  |  |  |
| --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE** | | | |
| **FxAmt** | **NO** | Foreign Exchange Amount | M |
| **Ref** | **NO** | Reference value for the transaction | 1-35X |
| **ValueDate** | **NO** | Date on which counterparts to a financial transaction agree to settle their respective obligations | D |
| **BookDate** | **NO** | Date on which the transaction is booked. All dates are calculated with respect to the Book Date. | D |
| **BeneCustId** | **NO** | Beneficiary party’s ID. If present, must match an identifier value in the Customer table. | 1-35X |
| **Bene** | **NO** | Beneficiary party’s name | 1-40X |
| **BeneAcct** | **NO** | Beneficiary party’s account | 1-35X |
| **BeneAddress** | **NO** | Beneficiary party’s address (see *Note*) | 1-120X |
| **BeneCity** | **NO** | Beneficiary party’s city | 1-40X |
| **BeneState** | **NO** | Beneficiary party’s state | 1-40X |
| **BeneZip** | **NO** | Beneficiary party’s postal code | 1-15X |
| **BeneCountry** | **NO** | If present, must match a Code value in the Country table. | 1-11AN |
| **BeneBankCustId** | **NO** | Beneficiary bank’s ID. If present, must match an ID value in the Customer table. | 1-35X |
| **BeneBank** | **NO** | Beneficiary bank’s name | 1-40X |
| **BeneBankId** | **NO** | Beneficiary bank’s industry banking identifier such as a Swift BIC, Chips UID etc., | 1-12X |
| **BeneBankAcct** | **NO** | Beneficiary bank’s account number | 1-35X |
| **BeneBankAddress** | **NO** | Beneficiary bank’s address (see *Note*) | 1-120X |
| **BeneBankCity** | **NO** | Beneficiary bank’s city | 1-40X |
| **BeneBankState** | **NO** | Beneficiary bank’s state | 1-40X |
| **BeneBankZip** | **NO** | Beneficiary bank’s postal code | 1-15X |
| **BeneBankCountry** | **NO** | If present, must match a Code value in the Country table. | 1-11AN |

|  |  |  |  |
| --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE** | | | |
| **IntermediaryCustId** | **NO** | Intermediary party’s identifier. If present, must match an ID value in the Customer table. | 1-35X |
| **Intermediary** | **NO** | Intermediary party’s name | 1-40X |
| **IntermediaryId** | **NO** | Intermediary party’s industry banking identifier such as a Swift BIC, Chips UID etc., | 1-12X |
| **IntermediaryAcct** | **NO** | Intermediary party’s account number | 1-35AN |
| **IntermediaryAddress** | **NO** | Intermediary party’s address (see  *Note*) | 1-120X |
| **IntermediaryCity** | **NO** | Intermediary party’s city | 1-40X |
| **IntermediaryState** | **NO** | Intermediary party’s state | 1-40X |
| **IntermediaryZip** | **NO** | Intermediary party’s postal code | 1-15X |
| **IntermediaryCountry** | **NO** | If present, must match a Code value in the Country table | 1-11AN |
| **ByOrderCustId** | **NO** | Originating party’s identifier. If present, must match an ID value in the Customer table. | 1-35X |
| **ByOrder** | **NO** | Originating party’s name | 1-40X |
| **ByOrderAcct** | **NO** | Originating party’s account | 1-35X |
| **ByOrderAddress** | **NO** | Originating party’s address (see  *Note*) | 1-120X |
| **ByOrderCity** | **NO** | Originating party’s city | 1-40X |
| **ByOrderState** | **NO** | Originating party’s state | 1-40X |
| **ByOrderZip** | **NO** | Originating party’s postal code | 1-15X |
| **ByOrderCountry** | **NO** | If present, must match a Code value in the Country table | 1-11AN |
| **ByOrderBankCustId** | **NO** | If present, must match an identifier value in the Customer table | 1-35X |
| **ByOrderBank** | **NO** | Originating bank’s name | 1-40X |
| **ByOrderBankAcct** | **NO** | Originating bank’s account number | 1-35X |

#### From Client to WLR System

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PARAMETER REQUIRED DESCRIPTION VALUE** | | | | |
| **ByOrderBankId** | **NO** | Originating bank’s industry banking identifier such as a Swift BIC, Chips UID etc., | 1-12X | |
| **ByOrderBankAddress** | **NO** | Originating bank’s address (see *Note*) | 1-120X | |
| **ByOrderBankCity** | **NO** | Originating bank’s city | 1-40X | |
| **ByOrderBankState** | **NO** | Originating bank’s state | 1-40X | |
| **ByOrderBankZip** | **NO** | Originating bank’s postal code | 1-15X | |
| **ByOrderBankCountry** | **NO** | If present, must match a Code value in the Country table. | 1-11AN | |
| **Instructions** | **NO** |  | 1-500X | |
| **OwnerBranch** | **NO** | The branch of the institution that owns this customer record. Fields 56 and 57 are used to assign a scope for the record. The scope of a record determines access to the record. This must map to a valid branch in the BranchMap table. The same mapping procedure described for activity mapping also applies to this field. | 1-40X | |
| **OwnerDept** | **NO** | Must map to a valid department in the DeptMap table. | 1-40X | |
| **CostCenter** | **NO** | Not currently used. Define as empty string. | 1-11AN | |
| **NOTE** At this point, there are three additional sets of the nine Intermediary fields, labeled in the format:  » Intermediary*Xn*  where *X* is the attribute, and *n* = 2, 3 or 4 (for instance, IntermediaryCustId2).  The descriptions and possible range of values for each attribute are identical to the *unnumbered set*. | | | | |
| **IntermediaryCustId2 — IntermediaryCountry2** | | | | |
| **IntermediaryCustId3 — IntermediaryCountry3** | | | | |
| **IntermediaryCustId4 — IntermediaryCountry4** | | | | |
| **PARAMETER REQUIRED DESCRIPTION VALUE** | | | | |
| **ExemptionStatus** | | **NO** | If present, must match a Code value in the Exemption Type table. | 1-11AN |
| **PaymentMethod** | | **NO** | This identifies the method of payment. For example, Travelers Cheque, Wire Transfer etc., If present, must match a record in the Payment Method Table. | 1-11AN |
| **InstrumentType** | | **NO** | If present, must match a record in the Instrument Type Table. Examples of instrument type include stocks,  bonds etc., | 1-11AN |
| **InstrumentName** | | **NO** | Name of the instrument | 1-35AN |
| **InstrumentQuantity** | | **NO** | Quantity of the instrument | M |
| **InstrumentPrice** | | **NO** | Price of the instrument | M |
| **RelatedReference** | | **NO** | Related reference for the transaction | 1-35X |
| **ReferenceType** | | **NO** | Reference Type | 1-11AN |
| **Notes** | | **NO** | Notes | 1-255X |
| **User1** | | **NO** | Custom user field 1 | 1-40X |
| **User2** | | **NO** | Custom user field 2 | 1-40X |
| **User3** | | **NO** | Custom user field 3 | 1-40X |
| **User4** | | **NO** | Custom user field 4 | 1-40X |
| **User5** | | **NO** | Custom user field 5 | 1-40X |

6.2.1.3 FedLine/SWIFT/NACHA Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PARAMETER** | | **REQUIRED DESCRIPTION** | | **VALUE** |
| **Data** | | **YES** | Payload data content | Defined Data code values. |
| **NOTE** | Value type specifications are defined as follows:  **A** Letters only | | | | | |
|  | **AN** | Letters and digits only | | | | |
|  | **B** | 0 (False) or 1 (True) | | | | |
|  | **D** | Date in the format YYYYMMDD | | | | |
|  | **N** | Digits only | | | | |
|  | **X** | Any character | | | | |
|  | **M** | Monetary amount with decimal point and without commas | | | | |
|  | For all address fields listed above, an optional “$” character (provided it is not the delimiter) can be used for formatting purposes to indicate the position of a carriage-return/line-feed combination.  Data for all fields must not include the delimiter character. | | | | | |

### 6.2.2 PerformScanResponse

|  |  |  |
| --- | --- | --- |
| **ELEMENT DESCRIPTION** | | |
| **Version** | Version of the WLR Web Service APIs; in this version, this field must be set to 1. | |
| **SystemId** | Unique identifier for the processing system | |
| **OperationStatus** | Status of the operation (function) on the data:  **InvalidArguments Unauthorized**  **ProcessingError VersionMismatch**  **Success** | |
| **OperationMessage** | Additional text description of the operation status | |
| **ResponseTimestamp** | Timestamp of the response set by the WLR System in UTC Format | |
| **RequestId** | Unique identifier for the scan request | |
| **Alert** | **Id** | Unique identifier for the alert |
|  | **Message** | Description of the status |
|  | **Status Score** | Alert status  Score for the created alert |
| **ELEMENT DESCRIPTION** | | |
| **File** | **FileLocation** | Location where output file is generated |
|  | **FileType** | Format of file (xml, text) |
|  | **Message** | Description of the output |
|  | **Name** | Name of the output file |
| **MatchSummaryResponse** | **ListCode** | Entity matched list code |
|  | **Name** | Entity matched name |
|  | **Program** | Entity matched program |
|  | Scan Forensics De  **EntityID** | tails  Unique identifier for the entity |
|  | **Score** | Score produced for the scan |
|  | **SummaryId** | Unique identifier for the summary record |

### 6.2.3 PerformScan: Sample SOAP Request

In this example, the class method is automatically generated using the WSDL for the web service.

|  |
| --- |
| using (var client = new WLRService.WLRServiceClient())  { var request = new PerformScanRequest(); request.Version = 1; request.SystemID = My\_SystemID; request.ApplicationName = ApplicationName; request.RequestId = RequestId; request.SearchConfiguration = new SearchConfiguration () {  Data = My\_ScanData;  ….  …..  …..  };  var response = client.PerformScanRequest(request);  Console.WriteLine("Operation: " + response.OperationStatus + " message: " + response.OperationMessage);  Console.WriteLine("ResponseTimestamp: " + response.ResponseTimestamp);  Console.WriteLine("SystemID: " + response.SystemID); } |

## 6.3 SubmitScan Method

This function receives the customer/transaction record and evaluates that the input record meets the validation criteria. After validation, the request is saved in database and scan submitted response is sent back to calling system immediately after background thread is initiated to process the request. The status of request is tracked in database.

|  |  |
| --- | --- |
| **NOTE** | Similar to *PerformScan* request, the SubmitScan request that uses a previously submitted RequestId will result in an error returned with appropriate error detail.  Structured Data Codes/Tags must be defined in the WLR UI:  Configuration > WatchList > Structured Data (detailed in the WLR User Guide). |

### 6.3.1 SubmitScanRequest

SubmitScanRequest is similar to PerformScanRequest as explained in section 6.2.1 *PerformScanRequest* above.

### 6.3.2 SubmitScanResponse

|  |  |
| --- | --- |
| **ELEMENT** | **DESCRIPTION** |
| **Version** | Version of the WLR Web Service APIs; in this version, this field must be set to 1. |
| **SystemId** | Unique identifier for the processing system |
| **OperationStatus** | Status of the operation (function) on the data:  **InvalidArguments Unauthorized**  **ProcessingError VersionMismatch**  **Success** |
| **OperationMessage** | Additional text description of the operation status |
| **ResponseTimestamp** | Timestamp of the response set by the WLR System in UTC Format |
| **RequestId** | Unique identifier for the scan request |

### 6.3.3 SubmitScan: Sample SOAP Request

In this example, the class method is automatically generated using the WSDL for the web service.

|  |
| --- |
| using (var client = new WLRService.WLRServiceClient())  { var request = new SubmitScanRequest(); request.Version = 1; request.SystemID = My\_SystemID; request.ApplicationName = ApplicationName; request.RequestId = RequestId; request.SearchConfiguration = new SearchConfiguration () {  Data = My\_ScanData;  ….  …..  …..  };  var response = client.SubmitScanRequest(request);  Console.WriteLine("Operation: " + response.OperationStatus + " message: " + response.OperationMessage);  Console.WriteLine("ResponseTimestamp: " + response.ResponseTimestamp);  Console.WriteLine("SystemID: " + response.SystemID); } |

## 6.4 GetScanStatus Method

### 6.4.1 GetScanStatus Request

|  |  |  |
| --- | --- | --- |
| **PARAMETER** | **REQUIRED** | **DESCRIPTION** |
| **Version** | **YES** | The version of the APIs; in this version, this field must be set to 1. |
| **SystemId** | **YES** | The identifier of the Processing System |
| **ApplicationName** | **YES** | Application Name of the Processing System |
| **RequestId** | **YES** | Unique Id that was used to perform the initial scan. More than one RequestId can be passed with “,” separator. |

### 6.4.2 GetScanStatus Response

|  |  |
| --- | --- |
| **ELEMENT** | **DESCRIPTION** |
| **Version** | Version of the WLR Web Service APIs; in this version, this field must be set to 1. |
| **SystemId** | Unique identifier for the processing system |

|  |  |  |
| --- | --- | --- |
| **ELEMENT DESCRIPTION** | | |
| **OperationStatus** | Status of the operation (function) on the data:  **InvalidArguments Unauthorized**  **ProcessingError VersionMismatch**  **Success** | |
| **OperationMessage** | Additional text description of the operation status | |
| **ResponseTimestamp** | Timestamp of the response set by the WLR System in UTC format | |
| **StatusResults** | Request Id responses collection tag | |
| The Request Id has the below set of responses in Status Result. | | |
| **RequestId** | Unique identifier for the scan request | |
| **Alert** | **Id** | Unique identifier for the alert |
| **Score** | Score for the created alert |
| **Status** | Status of the alert |
| **MatchSummary:**  **ScanResult** | **ListCode** | WatchList code for the party |
| **Name** | List category name of the party |
| **Program** | Program name of the party |
| **ScanForensics** | Matched party details with score, tier details |
| **MatchSummaryResponse** | **ListCode** | Entity matched list code |
| **Name** | Entity matched name |
| **Program** | Entity matched program |
| ScanForensics Details | |
| **EntityID** | Unique identifier for the entity |
| **Score** | Score produced for the scan |
| **SummaryId** | Unique identifier for the summary record |

**Appendix: Sample Requests and Responses**

# 7 Appendix: Sample Requests and Responses

## 7.1 PerformScan Request Sample (Customer-XML)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:PerformScan xmlns:w3="http://www.w3.org/">

<w3:request>

<w3:Version>1</w3:Version>

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>csxml4</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Incremental</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>45</w3:ConfidenceThreshold> <w3:ResultConfiguration>

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<w3:OutputAsFile>

<w3:FileType>text</w3:FileType>

<w3:FileLocation>Webservice</w3:FileLocation>

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<w3:CreateAlert>true</w3:CreateAlert>

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType>

<w3:CachingOptionType>both</w3:CachingOptionType>

<w3:ScanRequest xsi:type="w3:CustomerRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<w3:CustomerId>1</w3:CustomerId>

<w3:CustomerName>John Smith</w3:CustomerName>

<w3:StreetAddress>Gandhi Road</w3:StreetAddress>

<w3:State>Tamil Nadu</w3:State>

<w3:City>Chennai</w3:City>

<w3:Country>India</w3:Country>

<w3:Branch>Thamarai</w3:Branch>

<w3:Department>Vivek</w3:Department>

<w3:PEPIndicator>12</w3:PEPIndicator>

<w3:TIN>123456789</w3:TIN>

|  |
| --- |
| <w3:PassportNumber>MAB3324</w3:PassportNumber>  <w3:DateofBirth></w3:DateofBirth>  <w3:DriverLicenseNumber>12345</w3:DriverLicenseNumber>  <w3:DriverLicenseIssuingState>FL</w3:DriverLicenseIssuingState>  <w3:CustomerType>Business</w3:CustomerType>  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:PerformScan> </soapenv:Body>  </soapenv:Envelope> |

**Appendix: Sample Requests and Responses**

## 7.2 FedLine)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:PerformScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

<!--Optional:-->

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>TS\_FED</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Full</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>30</w3:ConfidenceThreshold>

<w3:ResultConfiguration>

<!--Optional:-->

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<!--Optional:-->

<w3:OutputAsFile>

<!--Optional:-->

<w3:FileType>xml</w3:FileType>

<!--Optional:-->

<w3:FileLocation>Webservice</w3:FileLocation>

<!--Optional:-->

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<!--Optional:-->

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<!--Optional:-->

<w3:CreateAlert>true</w3:CreateAlert>

<!--Optional:-->

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:DataFormatType>fedline</w3:DataFormatType>

|  |
| --- |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Data>12/2/2014 8:00:05 PM,12/2/2014 9:00:05  PM,WireSystem\_001,20141202210005\_ORG0000025511\_CTR.fedwire,DDA,0000025511,0,,FEDWIRE302,  XFT811 {1500}3000000001T  {1510}John{1520}20141202B1QD351C000002{2000}000000041264{3100}555500002BANK \*Mogappair \* Paneer Nagar \*India OF USA\*{3400}666600005CITY BANK\*{4100}gandhi  road{4200}D0000485243\*BENEFICIARY \*India Chennai tamil nadu N485243\*65 NETWORK  DRIVE\*BURLINGTON MA 01803\*{5000}01/01/1980</w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:PerformScan> </soapenv:Body>  </soapenv:Envelope> |

## 7.3 Nacha)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:PerformScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

<!--Optional:-->

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>TS\_NAC</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Full</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>

<w3:ResultConfiguration>

<!--Optional:-->

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<!--Optional:-->

<w3:OutputAsFile>

<!--Optional:-->

<w3:FileType>xml</w3:FileType>

<!--Optional:-->

<w3:FileLocation>Webservice</w3:FileLocation>

<!--Optional:-->

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<!--Optional:-->

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<!--Optional:-->

<w3:CreateAlert>true</w3:CreateAlert>

<!--Optional:-->

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:DataFormatType>nacha</w3:DataFormatType>

|  |
| --- |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Data>101 650556600 5123456781805040752A094101FCM TEST SYSTEMS #2  HORIZON Test Bank - 086000000015220xxxx 100108  512345678WEBTRADE PAY 1804021804030031123306160000002622000123456 7  0000017991 (800)-68005001John  1123306160020001710DEP00000000000012331100000IATTest LASTIAT  0020002711 PHONESHOP Sardar patel road Ambit IT Park 0020003712 CHENNAI \* TAMIL NADU\ INDIA \* 600032\  0020004713 BANK OF AMERICA01 121108250US  0020005714 BANK OF INDIA01 121102220IND  0020006715 234113453 gandhi road BURLINGTON 0020007716 madurai tamil nadu india STATES \* 30055 0020008820000000100001234500000000000000000000179910512345678  1233061600000029000003000021000000130000148140000000000205000060264846  9999999999999999999999999999999999999999999999999999999999999999999999999999999999999999  999999999999999999999999999999999999999999999</w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:PerformScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.4 Swift)

|  |
| --- |
| <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:  w3="http://www.w3.org/">  <soapenv:Header/>  <soapenv:Body>  <w3:PerformScan xmlns:w3="http://www.w3.org/">  <!--Optional:-->  <w3:request>  <!--Optional:-->  <w3:Version>1</w3:Version>  <!--Optional:-->  <w3:SystemId>1234</w3:SystemId>  <w3:ApplicationName>Webservice</w3:ApplicationName>  <w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>  <w3:SearchConfiguration>  <w3:ScanJobName>UBM\_ScanJob\_01-928\_Old</w3:ScanJobName>  <!--Optional:-->  <w3:ScanType>Full</w3:ScanType>  <!--Optional:-->  <w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>  <w3:ResultConfiguration>  <!--Optional:-->  <w3:WriteOutputInFile>true</w3:WriteOutputInFile>  <!--Optional:-->  <w3:OutputAsFile>  <!--Optional:-->  <w3:FileType>xml</w3:FileType>  <!--Optional:-->  <w3:FileLocation>Webservice</w3:FileLocation>  <!--Optional:-->  <w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>  <!--Optional:-->  <w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>  </w3:OutputAsFile>  <!--Optional:-->  <w3:CreateAlert>true</w3:CreateAlert>  <!--Optional:-->  <w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>  </w3:ResultConfiguration>  <w3:WatchList>  <!--Zero or more repetitions:-->    </w3:WatchList>  <w3:DataFormatType>swift</w3:DataFormatType> |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/ XMLSchema-instance">  <w3:Data>  1/27/2015 8:00:00 PM,1/27/2015 9:00:00  PM,WireSystem\_001,20150127210000\_3240001.swift,DDA,0000234690,0,,SWIFT,  {1:F01MIDLUS22AXXX0548034693Individual}  {2:O1030841150115BKTRUS33GXYZ00010001011501150841S} {3:{108:MT103}}{4:  :23B:Iran :32A:  :50A:  :32B:  :57A:Iran :59A: :100A:  :71A:India is :my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India :is my country and :all Indians are my brothers and sisters:. India is my country and all Indians are my brothers and sisters. India is :my country and all Indians are my brothers and sisters. In:dia is my country and all Indians are my brothers and :sisters. India is my country and all Indians are my brothers and sisters. India :is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my countryyy 1001-}  {5:{MAC:D158AA7B} HK:E87BDB224E26}}$  </w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:PerformScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.5 PerformScan Transaction XML Request

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body >

<w3:PerformScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

|  |
| --- |
| <!--Optional:-->  <w3:SystemId>1234</w3:SystemId>  <w3:ApplicationName>Webservice</w3:ApplicationName>  <w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>  <w3:SearchConfiguration>  <w3:ScanJobName>TS\_XML</w3:ScanJobName>  <!--Optional:-->  <w3:ScanType>Full</w3:ScanType>  <!--Optional:-->  <w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>  <w3:ResultConfiguration>  <!--Optional:-->  <w3:WriteOutputInFile>false</w3:WriteOutputInFile>  <w3:OutputAsFile>  <w3:FileType>xml</w3:FileType>  <w3:FileLocation>Webservice</w3:FileLocation>  <w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>    <w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>  </w3:OutputAsFile>  <!--Optional:-->  <w3:CreateAlert>true</w3:CreateAlert>  <!--Optional:-->  <w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>  </w3:ResultConfiguration>  <w3:WatchList/>  <!--Optional:-->  <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionXmlRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Cust>1</w3:Cust>  <w3:Name>Thamarai</w3:Name>  <w3:Type>Individual</w3:Type>  <w3:Bene>John</w3:Bene>  <w3:BeneAcct>?</w3:BeneAcct>  <!--Optional:-->  <w3:BeneAddress>gandhi road</w3:BeneAddress>  <!--Optional:-->  <w3:BeneCity>chennai</w3:BeneCity>  <!--Optional:-->  <w3:BeneState>Tamil Nadu</w3:BeneState>  <!--Optional:-->  <w3:BeneZip></w3:BeneZip>  <!--Optional:-->  <w3:BeneCountry>India</w3:BeneCountry>  <w3:BeneBank></w3:BeneBank>  <w3:Intermediary2>l23</w3:Intermediary2> |

### **Appendix: Sample Requests and Responses**

<!--Optional:-->

<w3:BeneBankAcct>?</w3:BeneBankAcct>

<!--Optional:-->

<w3:BeneBankAddress>Vivek</w3:BeneBankAddress>

<!--Optional:-->

<w3:BeneBankCity>?</w3:BeneBankCity>

<!--Optional:-->

<w3:BeneBankState>John</w3:BeneBankState>

<!--Optional:-->

<w3:BeneBankZip>?</w3:BeneBankZip>

<!--Optional:-->

<w3:BeneBankCountry>Australia</w3:BeneBankCountry>

<w3:RelatedReference></w3:RelatedReference>

<w3:ReferenceType></w3:ReferenceType>

<w3:Notes></w3:Notes>

<w3:User1>Thamarai</w3:User1>

<w3:User2>Balachandar</w3:User2>

<w3:User3></w3:User3>

<w3:User4></w3:User4>

<w3:User5></w3:User5>

</w3:ScanRequest>

</w3:SearchConfiguration>

</w3:request>

</w3:PerformScan>

</soapenv:Body>

</soapenv:Envelope>

## 7.6 PerformScan Request Sample (ScanJob Routing)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:PerformScan xmlns:w3="http://www.w3.org/">

<w3:request>

<w3:Version>1</w3:Version>

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName></w3:ScanJobName>

<!--Optional:-->

<w3:ScanJobRouting>

<w3:Param1>Onboarding</w3:Param1>

<w3:Param2></w3:Param2>

<w3:Param3></w3:Param3>

</w3:ScanJobRouting>

<!--Optional:-->

<w3:ScanType>Incremental</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>45</w3:ConfidenceThreshold> <w3:ResultConfiguration>

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<w3:OutputAsFile>

<w3:FileType>text</w3:FileType>

<w3:FileLocation>Webservice</w3:FileLocation>

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<w3:CreateAlert>true</w3:CreateAlert>

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType>

<w3:CachingOptionType>both</w3:CachingOptionType>

<w3:ScanRequest xsi:type="w3:CustomerRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<w3:CustomerId>1</w3:CustomerId>

<w3:CustomerName>John Smith</w3:CustomerName>

<w3:StreetAddress>Gandhi Road</w3:StreetAddress>

<w3:State>Tamil Nadu</w3:State>

<w3:City>Chennai</w3:City>

<w3:Country>India</w3:Country>

<w3:Branch>Thamarai</w3:Branch>

<w3:Department>Vivek</w3:Department>

<w3:PEPIndicator>12</w3:PEPIndicator>

<w3:TIN>123456789</w3:TIN>

<w3:PassportNumber>MAB3324</w3:PassportNumber>

<w3:DateofBirth></w3:DateofBirth>

<w3:DriverLicenseNumber>12345</w3:DriverLicenseNumber>

<w3:DriverLicenseIssuingState>FL</w3:DriverLicenseIssuingState>

<w3:CustomerType>Business</w3:CustomerType>

</w3:ScanRequest>

</w3:SearchConfiguration>

</w3:request>

</w3:PerformScan>

</soapenv:Body>

</soapenv:Envelope>

## 7.7 PerformScan Response Sample

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Body>

<PerformScanResponse xmlns="http://www.w3.org/">

<PerformScanResult xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

<OperationMessage>Result is generated successfully with file and alert </OperationMessage>

<OperationStatus>Success</OperationStatus>

<ResponseTimestamp>2022-02-22T12:55:23.3327224+00:00</ResponseTimestamp>

<SystemId>1234</SystemId>

<Version>1</Version>

<Alert>

<Id>400788</Id>

<Message>Alert is created successfully</Message>

<Score>48</Score>

<Status>Open</Status>

</Alert>

<File>

<FileLocation>C:\FCM\FICO\WLRRoot\WatchListAPiSearchData\Webservice\CustXML\ ScanResults</FileLocation>

<FileType>text</FileType>

<Message>Scan results are written in file.</Message>

<Name>125523\_1645534521327\_FIS\_Default\_Parameter</Name>

</File>

<MatchSummary>

<MatchSummaryResponse>

<ListCode>FIS\_Default\_WatchList</ListCode>

<Name>John Smith</Name>

<Notes/>

<Program>Default</Program>

<Remarks/>

<ScanForensics xmlns:a="http://schemas.datacontract.org/2004/07/fis.fcm.BusinessLayer.Model. ServiceEntities.Response">

<a:EntityID>

<a:ArrayOfScanForensic>

<ScanForensic xmlns="">

<a:ScanForensic>

<a:AltNum>0</a:AltNum>

<a:Column>MIDDLENAME</a:Column>

<a:EP/>

<a:EntNum>1618547</a:EntNum>

<a:Exact\_Name/>

<a:OriginalText>john</a:OriginalText>

<a:SP/>

<a:Score>4</a:Score>

<a:TIER>Not Available-List</a:TIER>

</a:ScanForensic>

|  |
| --- |
| <a:ScanForensic>  <a:AltNum>0</a:AltNum>  <a:Column>FIRSTNAME</a:Column>  <a:EP>4</a:EP>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name>John</a:Exact\_Name>  <a:OriginalText>john</a:OriginalText>  <a:SP>1</a:SP>  <a:Score>24</a:Score>  <a:TIER>Exact</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>617827</a:AltNum> <a:Column>STATE</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText i:nil="true"/>  <a:SP/>  <a:Score>2</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>617827</a:AltNum> <a:Column>COUNTRY</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText i:nil="true"/>  <a:SP/>  <a:Score>3</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>617827</a:AltNum>  <a:Column>CITY</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText i:nil="true"/>  <a:SP/>  <a:Score>2</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>617827</a:AltNum> <a:Column>ADDRESS</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum> |

|  |
| --- |
| <a:Exact\_Name/>  <a:OriginalText i:nil="true"/>  <a:SP/>  <a:Score>3</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>80719</a:AltNum> <a:Column>YEAR</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText/>  <a:SP/>  <a:Score>5</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>80719</a:AltNum> <a:Column>DATE</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText/>  <a:SP/>  <a:Score>3</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>80719</a:AltNum>  <a:Column>MONTH</a:Column>  <a:EP/>  <a:EntNum>1618547</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText/>  <a:SP/>  <a:Score>2</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  </ScanForensic>  </a:ArrayOfScanForensic>  <a:Long>1618547</a:Long>  </a:EntityID>  </ScanForensics>  <Score>48</Score>  <SummaryId>1004851</SummaryId>  </MatchSummaryResponse>  <MatchSummaryResponse>  <ListCode>FIS\_Default\_WatchList</ListCode> |

|  |
| --- |
| <Name>John Smith</Name>  <Notes/>  <Program>Default</Program>  <Remarks/>  <ScanForensics xmlns:a="http://schemas.datacontract.org/2004/07/fis.fcm.BusinessLayer.Model. ServiceEntities.Response">  <a:EntityID>  <a:ArrayOfScanForensic>  <ScanForensic xmlns="">  <a:ScanForensic>  <a:AltNum>0</a:AltNum>  <a:Column>MIDDLENAME</a:Column>  <a:EP/>  <a:EntNum>1537145</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText>john</a:OriginalText>  <a:SP/>  <a:Score>4</a:Score>  <a:TIER>Not Available-List</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>0</a:AltNum>  <a:Column>FIRSTNAME</a:Column>  <a:EP>4</a:EP>  <a:EntNum>1537145</a:EntNum>  <a:Exact\_Name>John</a:Exact\_Name>  <a:OriginalText>john</a:OriginalText>  <a:SP>1</a:SP>  <a:Score>24</a:Score>  <a:TIER>Exact</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>616282</a:AltNum> <a:Column>STATE</a:Column>  <a:EP/>  <a:EntNum>1537145</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText i:nil="true"/>  <a:SP/>  <a:Score>2</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  <a:ScanForensic>  <a:AltNum>616282</a:AltNum> <a:Column>COUNTRY</a:Column>  <a:EP/>  <a:EntNum>1537145</a:EntNum>  <a:Exact\_Name/> |

### **Appendix: Sample Requests and Responses**

<a:OriginalText i:nil="true"/>

<a:SP/>

<a:Score>3</a:Score>

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</a:ScanForensic>

<a:ScanForensic>

<a:AltNum>616282</a:AltNum>

<a:Column>CITY</a:Column>

<a:EP/>

<a:EntNum>1537145</a:EntNum>

<a:Exact\_Name/>

<a:OriginalText i:nil="true"/>

<a:SP/>

<a:Score>2</a:Score>

<a:TIER>Not Available-Tran</a:TIER>

</a:ScanForensic>

<a:ScanForensic>

<a:AltNum>616282</a:AltNum> <a:Column>ADDRESS</a:Column> <a:EP/>

<a:EntNum>1537145</a:EntNum>

<a:Exact\_Name/>

<a:OriginalText i:nil="true"/>

<a:SP/>

<a:Score>3</a:Score>

<a:TIER>Not Available-Tran</a:TIER>

</a:ScanForensic>

<a:ScanForensic>

<a:AltNum>80070</a:AltNum> <a:Column>YEAR</a:Column>

<a:EP/>

<a:EntNum>1537145</a:EntNum>

<a:Exact\_Name/>

<a:OriginalText/>

<a:SP/>

<a:Score>5</a:Score>

<a:TIER>Not Available-Tran</a:TIER>

</a:ScanForensic>

<a:ScanForensic>

<a:AltNum>80070</a:AltNum> <a:Column>DATE</a:Column>

<a:EP/>

<a:EntNum>1537145</a:EntNum>

<a:Exact\_Name/>

<a:OriginalText/>

<a:SP/>

<a:Score>3</a:Score>

<a:TIER>Not Available-Tran</a:TIER>

</a:ScanForensic>

|  |
| --- |
| <a:ScanForensic>  <a:AltNum>80070</a:AltNum>  <a:Column>MONTH</a:Column>  <a:EP/>  <a:EntNum>1537145</a:EntNum>  <a:Exact\_Name/>  <a:OriginalText/>  <a:SP/>  <a:Score>2</a:Score>  <a:TIER>Not Available-Tran</a:TIER>  </a:ScanForensic>  </ScanForensic>  </a:ArrayOfScanForensic>  <a:Long>1537145</a:Long>  </a:EntityID>  </ScanForensics>  <Score>48</Score>  <SummaryId>1004851</SummaryId>  </MatchSummaryResponse>  </MatchSummary>  <OriginalRequest>  <Version>1</Version>  <SystemId>1234</SystemId>  <ApplicationName>Webservice</ApplicationName>  <RequestId>1645534521327</RequestId>  <SearchConfiguration>  <ScanJobName>CustXML</ScanJobName>  <ScanType>Full</ScanType>  <ConfidenceThreshold>1</ConfidenceThreshold>  <ResultConfiguration>  <WriteOutputInFile>true</WriteOutputInFile>  <OutputAsFile>  <FileType>text</FileType>  <FileLocation>Webservice</FileLocation>  <IncludeAllScanResult>true</IncludeAllScanResult>  <IncludeMatchedPartyDetail>true</IncludeMatchedPartyDetail>  </OutputAsFile>  <CreateAlert>true</CreateAlert> <ResultBackToOriginatingSystem>true</ResultBackToOriginatingSystem>  </ResultConfiguration>  <WatchList/>  <RequestProcessingType>includeorginalrequest</RequestProcessingType>  <CachingOptionType>both</CachingOptionType>  <CopyProblemQueue i:nil="true"/>  <ScanRequest i:type="CustomerRequest">  <CustomerId>1</CustomerId>  <CustomerName>john</CustomerName>  <StreetAddress>Gandhi Road</StreetAddress>  <State/> |

<City/>

<Country/>

<Branch>Thamarai</Branch>

<Department>Vivek</Department>

<PEPIndicator>12</PEPIndicator>

<TIN>123456789</TIN>

<PassportNumber>MAB3324</PassportNumber>

<DateofBirth/>

<DriverLicenseNumber>12345</DriverLicenseNumber>

<DriverLicenseIssuingState>FL</DriverLicenseIssuingState>

<CustomerType>Business</CustomerType>

</ScanRequest>

</SearchConfiguration>

</OriginalRequest>

<RequestId>1645534521327</RequestId>

</PerformScanResult>

</PerformScanResponse>

</s:Body>

</s:Envelope>

## 7.8 SubmitScan Request Sample (Customer-XML)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:SubmitScan xmlns:w3="http://www.w3.org/">

<w3:request>

<w3:Version>1</w3:Version>

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>csxml4</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Incremental</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>45</w3:ConfidenceThreshold> <w3:ResultConfiguration>

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<w3:OutputAsFile>

<w3:FileType>text</w3:FileType>

<w3:FileLocation>Webservice</w3:FileLocation>

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<w3:CreateAlert>true</w3:CreateAlert>

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

|  |
| --- |
| <w3:WatchList>  <!--Zero or more repetitions:-->  </w3:WatchList>  <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType>  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:CustomerRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:CustomerId>1</w3:CustomerId>  <w3:CustomerName>John Smith</w3:CustomerName>  <w3:StreetAddress>Gandhi Road</w3:StreetAddress>  <w3:State>Tamil Nadu</w3:State>  <w3:City>Chennai</w3:City>  <w3:Country>India</w3:Country>  <w3:Branch>Thamarai</w3:Branch>  <w3:Department>Vivek</w3:Department> <w3:PEPIndicator>12</w3:PEPIndicator>  <w3:TIN>123456789</w3:TIN>  <w3:PassportNumber>MAB3324</w3:PassportNumber>  <w3:DateofBirth></w3:DateofBirth>  <w3:DriverLicenseNumber>12345</w3:DriverLicenseNumber>  <w3:DriverLicenseIssuingState>FL</w3:DriverLicenseIssuingState>  <w3:CustomerType>Business</w3:CustomerType>  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:SubmitScan> </soapenv:Body>  </soapenv:Envelope> |

## 7.9 FedLine)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:SubmitScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

<!--Optional:-->

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>TS\_FED</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Full</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>30</w3:ConfidenceThreshold>

<w3:ResultConfiguration>

<!--Optional:-->

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<!--Optional:-->

<w3:OutputAsFile>

<!--Optional:-->

<w3:FileType>xml</w3:FileType>

<!--Optional:-->

<w3:FileLocation>Webservice</w3:FileLocation>

<!--Optional:-->

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<!--Optional:-->

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<!--Optional:-->

<w3:CreateAlert>true</w3:CreateAlert>

<!--Optional:-->

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:DataFormatType>fedline</w3:DataFormatType>

|  |
| --- |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Data>12/2/2014 8:00:05 PM,12/2/2014 9:00:05  PM,WireSystem\_001,20141202210005\_ORG0000025511\_CTR.fedwire,DDA,0000025511,0,,FEDWIRE302, XFT811 {1500}3000000001T  {1510}John{1520}20141202B1QD351C000002{2000}000000041264{3100}555500002BANK \*Mogappair \*  Paneer Nagar \*India OF USA\*{3400}666600005CITY BANK\*{4100}gandhi  road{4200}D0000485243\*BENEFICIARY \*India Chennai tamil nadu N485243\*65 NETWORK  DRIVE\*BURLINGTON MA 01803\*{5000}01/01/1980</w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:SubmitScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.10 Nacha)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:SubmitScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

<!--Optional:-->

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>TS\_NAC</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Full</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>

<w3:ResultConfiguration>

<!--Optional:-->

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<!--Optional:-->

<w3:OutputAsFile>

<!--Optional:-->

<w3:FileType>xml</w3:FileType>

<!--Optional:-->

<w3:FileLocation>Webservice</w3:FileLocation>

<!--Optional:-->

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<!--Optional:-->

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<!--Optional:-->

<w3:CreateAlert>true</w3:CreateAlert>

<!--Optional:-->

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:DataFormatType>nacha</w3:DataFormatType>

### **Appendix: Sample Requests and Responses**

|  |
| --- |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Data>101 650556600 5123456781805040752A094101FCM TEST SYSTEMS #2  HORIZON Test Bank - 086000000015220xxxx 100108  512345678WEBTRADE PAY 1804021804030031123306160000002622000123456 7  0000017991 (800)-68005001John  1123306160020001710DEP00000000000012331100000IATTest LASTIAT  0020002711 PHONESHOP Sardar patel road Ambit IT Park 0020003712 CHENNAI \* TAMIL NADU\ INDIA \* 600032\ 0020004713 BANK OF AMERICA01 121108250US  0020005714 BANK OF INDIA01 121102220IND  0020006715 234113453 gandhi road BURLINGTON 0020007716 madurai tamil nadu india STATES \* 30055 0020008820000000100001234500000000000000000000179910512345678  1233061600000029000003000021000000130000148140000000000205000060264846  9999999999999999999999999999999999999999999999999999999999999999999999999999999999999999  999999999999999999999999999999999999999999999</w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:SubmitScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.11 Swift)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body>

<w3:SubmitScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

<!--Optional:-->

<w3:SystemId>1234</w3:SystemId>

<w3:ApplicationName>Webservice</w3:ApplicationName>

<w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>

<w3:SearchConfiguration>

<w3:ScanJobName>UBM\_ScanJob\_01-928\_Old</w3:ScanJobName>

<!--Optional:-->

<w3:ScanType>Full</w3:ScanType>

<!--Optional:-->

<w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>

<w3:ResultConfiguration>

<!--Optional:-->

<w3:WriteOutputInFile>true</w3:WriteOutputInFile>

<!--Optional:-->

<w3:OutputAsFile>

<!--Optional:-->

<w3:FileType>xml</w3:FileType>

<!--Optional:-->

<w3:FileLocation>Webservice</w3:FileLocation>

<!--Optional:-->

<w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>

<!--Optional:-->

<w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>

</w3:OutputAsFile>

<!--Optional:-->

<w3:CreateAlert>true</w3:CreateAlert>

<!--Optional:-->

<w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>

</w3:ResultConfiguration>

<w3:WatchList>

<!--Zero or more repetitions:-->

</w3:WatchList>

<w3:DataFormatType>swift</w3:DataFormatType>

|  |
| --- |
| <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Data>  1/27/2015 8:00:00 PM,1/27/2015 9:00:00  PM,WireSystem\_001,20150127210000\_3240001.swift,DDA,0000234690,0,,SWIFT,  {1:F01MIDLUS22AXXX0548034693Individual}  {2:O1030841150115BKTRUS33GXYZ00010001011501150841S} {3:{108:MT103}}{4:  :23B:Iran :32A:  :50A:  :32B:  :57A:Iran :59A: :100A:  :71A:India is :my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India :is my country and :all Indians are my brothers and sisters:. India is my country and all Indians are my brothers and sisters. India is :my country and all Indians are my brothers and sisters. In:dia is my country and all Indians are my brothers and :sisters. India is my country and all Indians are my brothers and sisters. India :is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my country and all Indians are my brothers and sisters. India is my countryyy 1001-}  {5:{MAC:D158AA7B} HK:E87BDB224E26}}$  </w3:Data>  <!--Optional:-->  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:SubmitScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.12 SubmitScan Transaction XML Request

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">

<soapenv:Header/>

<soapenv:Body >

<w3:SubmitScan xmlns:w3="http://www.w3.org/">

<!--Optional:-->

<w3:request>

<!--Optional:-->

<w3:Version>1</w3:Version>

|  |
| --- |
| <!--Optional:-->  <w3:SystemId>1234</w3:SystemId>  <w3:ApplicationName>Webservice</w3:ApplicationName>  <w3:RequestId>${=System.currentTimeMillis()}</w3:RequestId>  <w3:SearchConfiguration>  <w3:ScanJobName>TS\_XML</w3:ScanJobName>  <!--Optional:-->  <w3:ScanType>Full</w3:ScanType>  <!--Optional:-->  <w3:ConfidenceThreshold>0</w3:ConfidenceThreshold>  <w3:ResultConfiguration>  <!--Optional:-->  <w3:WriteOutputInFile>false</w3:WriteOutputInFile>  <w3:OutputAsFile>  <w3:FileType>xml</w3:FileType>  <w3:FileLocation>Webservice</w3:FileLocation>  <w3:IncludeAllScanResult>true</w3:IncludeAllScanResult>    <w3:IncludeMatchedPartyDetail>true</w3:IncludeMatchedPartyDetail>  </w3:OutputAsFile>  <!--Optional:-->  <w3:CreateAlert>true</w3:CreateAlert>  <!--Optional:-->  <w3:ResultBackToOriginatingSystem>true</w3:ResultBackToOriginatingSystem>  </w3:ResultConfiguration>  <w3:WatchList/>  <!--Optional:-->  <w3:RequestProcessingType>includeoriginalrequest</w3:RequestProcessingType> <!--Optional:-->  <w3:CachingOptionType>both</w3:CachingOptionType>  <w3:ScanRequest xsi:type="w3:TransactionXmlRequest" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <w3:Cust>1</w3:Cust>  <w3:Name>Thamarai</w3:Name>  <w3:Type>Individual</w3:Type>  <w3:Bene>John</w3:Bene>  <w3:BeneAcct>?</w3:BeneAcct>  <!--Optional:-->  <w3:BeneAddress>gandhi road</w3:BeneAddress>  <!--Optional:-->  <w3:BeneCity>chennai</w3:BeneCity>  <!--Optional:-->  <w3:BeneState>Tamil Nadu</w3:BeneState>  <!--Optional:-->  <w3:BeneZip></w3:BeneZip>  <!--Optional:-->  <w3:BeneCountry>India</w3:BeneCountry>  <w3:BeneBank></w3:BeneBank>  <w3:Intermediary2>l23</w3:Intermediary2> |

|  |
| --- |
| <!--Optional:-->  <w3:BeneBankAcct>?</w3:BeneBankAcct>  <!--Optional:-->  <w3:BeneBankAddress>Vivek</w3:BeneBankAddress>  <!--Optional:-->  <w3:BeneBankCity>?</w3:BeneBankCity>  <!--Optional:-->  <w3:BeneBankState>John</w3:BeneBankState>  <!--Optional:-->  <w3:BeneBankZip>?</w3:BeneBankZip>  <!--Optional:-->  <w3:BeneBankCountry>Australia</w3:BeneBankCountry>  <w3:RelatedReference></w3:RelatedReference>  <w3:ReferenceType></w3:ReferenceType>  <w3:Notes></w3:Notes>  <w3:User1>Thamarai</w3:User1>  <w3:User2>Balachandar</w3:User2>  <w3:User3></w3:User3>  <w3:User4></w3:User4>  <w3:User5></w3:User5>  </w3:ScanRequest>  </w3:SearchConfiguration>  </w3:request>  </w3:SubmitScan>  </soapenv:Body>  </soapenv:Envelope> |

## 7.13 SubmitScan Response Sample

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Body>

<SubmitScanResponse xmlns="http://www.w3.org/">

<SubmitScanResult xmlns:i="http://www.w3.org/2001/XMLSchema-instance"> <OperationMessage>Scan request saved successfully to run in background</OperationMessage>

<OperationStatus>Success</OperationStatus>

<ResponseTimestamp>2023-03-21T21:01:35.5842211-04:00</ResponseTimestamp>

<SystemId>1234</SystemId>

<Version>1</Version>

<RequestId>1417</RequestId>

</SubmitScanResult>

</SubmitScanResponse>

</s:Body> </s:Envelope>

## 7.14 GetScanStatus Request Samples

|  |
| --- |
| <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:w3="http://www.w3.org/">  <soapenv:Header/> <soapenv:Body>  <w3:GetScanStatus> <w3:request>  <w3:Version>**1**</w3:Version>  <w3:SystemId>**1234**</w3:SystemId>  <w3:ApplicationName>**FCM**</w3:ApplicationName>  <w3:RequestId>**R12045**</w3:RequestId>  </w3:request>  </w3:GetScanStatus>  </soapenv:Body>  </soapenv:Envelope> |

## 7.15 GetScanStatus Response Samples

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">

<s:Body>

<GetScanStatusResponse xmlns="http://www.w3.org/">

<GetScanStatusResult xmlns:i="http://www.w3.org/2001/XMLSchema-instance"> <OperationMessage>Result is generated successfully</OperationMessage>

<OperationStatus>Success</OperationStatus>

<ResponseTimestamp>2022-02-25T13:42:06.6948646+00:00</ResponseTimestamp>

<SystemId>1234</SystemId>

<Version>1</Version>

<StatusResults>

<StatusResult>

### **Appendix: Sample Requests and Responses**

|  |
| --- |
| <Alert>  <Id>400807</Id>  <Score>84</Score>  <Status>Open</Status>  </Alert>  <MatchSummary xmlns:a="http://schemas.datacontract.org/2004/07/fis.fcm.BusinessLayer.Model.WatchList">  <a:ScanResult>  <ListCode>OFAC</ListCode>  <Name>SHANG YUAN BAO</Name>  <Notes>Other ID: Secondary sanctions risk:: North Korea Sanctions Regulations, sections 510.201 and 510.210, Other ID: Vessel Registration Identification:  IMO 8126070, Other ID: Transactions Prohibited For Persons Owned or Controlled By U.S.  Financial Institutions:: North Korea Sanctions Regulations section 510.214</Notes>  <Program>DPRK4</Program>  <Remarks>Vessel Registration Identification: IMO 8126070, Secondary sanctions risk:: North Korea Sanctions Regulations, sections 510.201 and 510.210, Transactions Prohibited For Persons Owned or Controlled By U.S. Financial Institutions:: North Korea Sanctions Regulations section 510.214; (Linked To: HUANG, Wang Ken; Linked  To:  CHEN, Mei Hsiang; Linked To: JUI CHENG SHIPPING COMPANY LIMITED; Linked To: JUI PANG  SHIPPING CO LTD; Linked To: JUI ZONG SHIP MANAGEMENT CO LTD)</Remarks>  <ScanForensics xmlns:b="http://schemas.datacontract.org/2004/07/fis.fcm.BusinessLayer.Model. ServiceEntities.Response">  <b:EntityID>  <b:ArrayOfScanForensic>  <ScanForensic xmlns="">  <b:ScanForensic>  <b:AltNum>0</b:AltNum>  <b:Column>BUSINESS</b:Column>  <b:EP>5</b:EP>  <b:EntNum>1002645</b:EntNum>  <b:Exact\_Name>YUAN</b:Exact\_Name>  <b:OriginalText>johny</b:OriginalText>  <b:SP>1</b:SP>  <b:Score>10</b:Score>  <b:TIER>Alt Phonetic Spelling</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>-1</b:AltNum>  <b:Column>CITY</b:Column>  <b:EP/>  <b:EntNum>1002645</b:EntNum>  <b:Exact\_Name/>  <b:OriginalText>Chennai</b:OriginalText>  <b:SP/>  <b:Score>12</b:Score>  <b:TIER>Not Available-List</b:TIER>  </b:ScanForensic>  <b:ScanForensic> |

|  |
| --- |
| <b:AltNum>-1</b:AltNum>  <b:Column>STATE</b:Column>  <b:EP/>  <b:EntNum>1002645</b:EntNum>  <b:Exact\_Name/>  <b:OriginalText>Tamil Nadu</b:OriginalText>  <b:SP/>  <b:Score>12</b:Score>  <b:TIER>Not Available-List</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>-1</b:AltNum>  <b:Column>COUNTRY</b:Column> <b:EP/>  <b:EntNum>1002645</b:EntNum>  <b:Exact\_Name/>  <b:OriginalText>India</b:OriginalText>  <b:SP/>  <b:Score>4</b:Score>  <b:TIER>Not Available-List</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>-1</b:AltNum>  <b:Column>ADDRESS</b:Column> <b:EP/>  <b:EntNum>1002645</b:EntNum>  <b:Exact\_Name/>  <b:OriginalText>Gandhi Road</b:OriginalText>  <b:SP/>  <b:Score>12</b:Score>  <b:TIER>Not Available-List</b:TIER>  </b:ScanForensic>  </ScanForensic>  </b:ArrayOfScanForensic>  <b:Long>1002645</b:Long>  </b:EntityID>  </ScanForensics>  <Score>50</Score>  <a:ScanType>Webservices</a:ScanType>  </a:ScanResult>  <a:ScanResult>  <ListCode>FIS\_Default\_WatchList</ListCode>  <Name>John Quincy Public</Name>  <Notes/>  <Program>Default</Program>  <Remarks>This record is prefilled by the system during implementaion.  </Remarks>  <ScanForensics xmlns:b="http://schemas.datacontract.org/2004/07/fis.fcm.BusinessLayer.Model. |

|  |
| --- |
| ServiceEntities.Response">  <b:EntityID>  <b:ArrayOfScanForensic>  <ScanForensic xmlns="">  <b:ScanForensic>  <b:AltNum>0</b:AltNum>  <b:Column>FIRSTNAME</b:Column>  <b:EP>5</b:EP>  <b:EntNum>1000000</b:EntNum>  <b:Exact\_Name>John</b:Exact\_Name>  <b:OriginalText>johny</b:OriginalText>  <b:SP>1</b:SP>  <b:Score>22.5</b:Score>  <b:TIER>Multiple Vowel Difference</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>617823</b:AltNum>  <b:Column>CITY</b:Column>  <b:EP>7</b:EP>  <b:EntNum>1000000</b:EntNum>  <b:Exact\_Name>Chennai</b:Exact\_Name>  <b:OriginalText>Chennai</b:OriginalText>  <b:SP>1</b:SP>  <b:Score>12</b:Score>  <b:TIER>Exact</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>617823</b:AltNum> <b:Column>STATE</b:Column>  <b:EP>10</b:EP>  <b:EntNum>1000000</b:EntNum>  <b:Exact\_Name>Nadu</b:Exact\_Name>  <b:OriginalText>Tamil Nadu</b:OriginalText>  <b:SP>7</b:SP>  <b:Score>6</b:Score>  <b:TIER>Exact</b:TIER>  </b:ScanForensic>  <b:ScanForensic>  <b:AltNum>617823</b:AltNum> <b:Column>STATE</b:Column>  <b:EP>5</b:EP>  <b:EntNum>1000000</b:EntNum>  <b:Exact\_Name>Tamil</b:Exact\_Name>  <b:OriginalText>Tamil Nadu</b:OriginalText>  <b:SP>1</b:SP>  <b:Score>6</b:Score>  <b:TIER>Exact</b:TIER>  </b:ScanForensic>  <b:ScanForensic> |

<b:AltNum>617823</b:AltNum> <b:Column>COUNTRY</b:Column> <b:EP>5</b:EP>

<b:EntNum>1000000</b:EntNum>

<b:Exact\_Name>India</b:Exact\_Name>

<b:OriginalText>India</b:OriginalText>

<b:SP>1</b:SP>

<b:Score>4</b:Score>

<b:TIER>Exact</b:TIER>

</b:ScanForensic>

</ScanForensic>

</b:ArrayOfScanForensic>

<b:Long>1000000</b:Long>

</b:EntityID>

</ScanForensics>

<Score>50.5</Score>

<a:ScanType>Webservices</a:ScanType>

</a:ScanResult>

</MatchSummary>

<RequestId>1645796421904</RequestId>

</StatusResult>

</StatusResults>

</GetScanStatusResult>

</GetScanStatusResponse>

</s:Body>

</s:Envelope>

## 7.16 Error Response

|  |
| --- |
| <s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"> <s:Body>  <SearchResponse xmlns="http://www.w3.org/" xmlns:i="http://www.w3.org/2001/XMLSchemainstance">  <OperationMessage>**The field of DataType in the SearchConfiguration is not valid**</OperationMessage>  <OperationStatus>**InvalidArguments**</OperationStatus>  <ResponseTimestamp>**2017-10-05T09:05:09.4208916Z**</ResponseTimestamp>  <SystemId>**123**</SystemId>  <Version>**1**</Version>  <RequestId>**A0001**</RequestId>  </SearchResponse>  </s:Body>  </s:Envelope> |

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