

TECHNICAL SPECIFICATION DOCUMENT

Director Enquiry Report

Created Date	2023/03/08	Version	V 1.3
Author	Jared Daniels	Document Classification	Confidential

Introduction.....	3
Product Description.....	3
Product ID.....	3
Report ID	3
Data Input Requirements.....	3
Process Flow	3
Login.....	4
IsTicketValid.....	5
ConnectDirectorMatch:.....	7
ConnectGetResult:.....	7
Samples Requests	8

Introduction

XDS is a credit information bureau in South Africa. XDS have created several products and exposes the consumption of these products through web services. These web services give our customers the ability to interact with XDS software programs, databases, or resources. Instead of writing the program for a particular feature or functionality already provided in the XDS web Services, you can consume our readily available web services.

This document serves as a written guide stating the functions of the web services, how to integrate it into your program, along with examples.

Product Description

The Director Enquiry provides an XDS client with a consumer's directorship history in order for the XDS client to make an informed decision as it relates to that consumer.

Product ID

When prompted for an input parameter for a Product ID use Product ID 14

Report ID

When prompted for an input parameter for a Report ID use Report ID 4

Data Input Requirements

The minimum data inputs required as an input in order to generate an outcome on the Product are listed below.

- Consumer ID Number OR
- Consumer Passport Number OR
- Consumer Surname, Consumer First Name and Date of Birth

Process Flow

The client will initiate the web service method and pass through the required mandatory search criteria (this is dependent on the type of web method used). The web service will follow the same business rules and process flow as that of the xds portal.

The client will start with a login, go through a matching method and finalize the process with a Get Result method. There are three possible return messages from a Matching Method:

1. No Record Found
2. The XML structure if a single record is found, and
3. Multiple match XML structure containing information of all possible matches

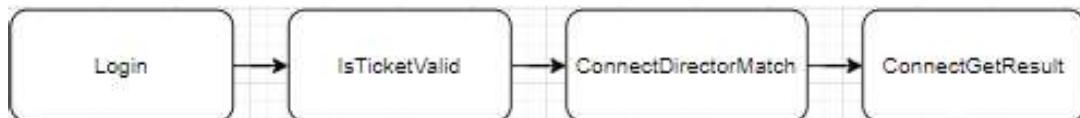
The client will need to Get result web method passing through the following parameters:

- EnquiryID,
- ProductID, and
- EnquiryResultID.

The XML structure for that record will then be returned. This process will be logged and audited in the same manner as the xds portal, thus the search history of the xds connect can be accessed via the xds portal. Each web method will relate to a new Product ID in the Product table; thus, security access can be controlled individually for both the products under the xds portal website and under the web services.

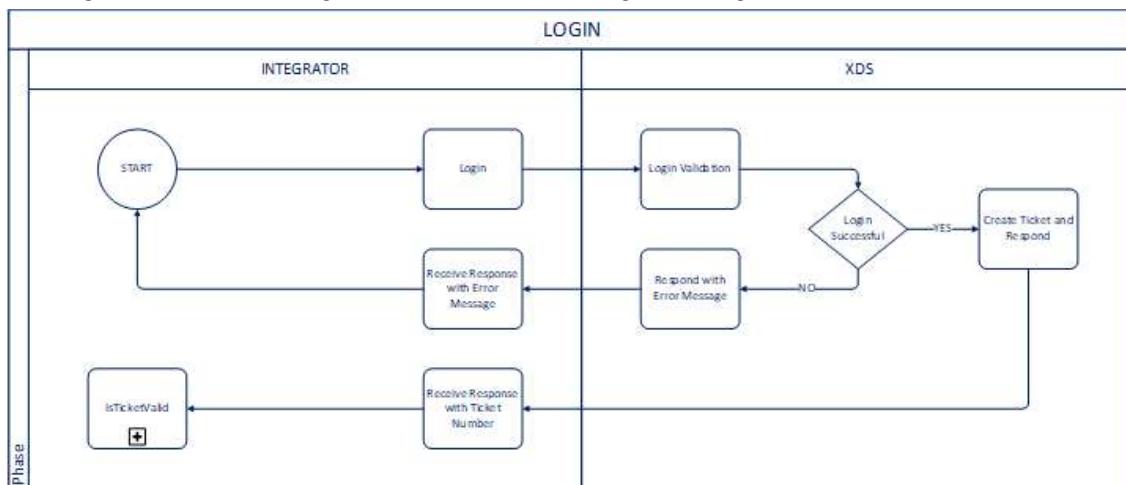
Product listed methods below:

1. Login
2. IsTicketValid
3. ConnectDirectorMatch
4. ConnectGetResult



Login :

Description: This is the first part of Director Enquiry Report. This describes the User into the XDS Connect Web Services. It validates the user/client and returns an authentication ticket for successful user login or an error message for unsuccessful user login in string format.



A successful call of **Login** will always result in a String formatted as an XML Response, whether the actual operation was successful or not.

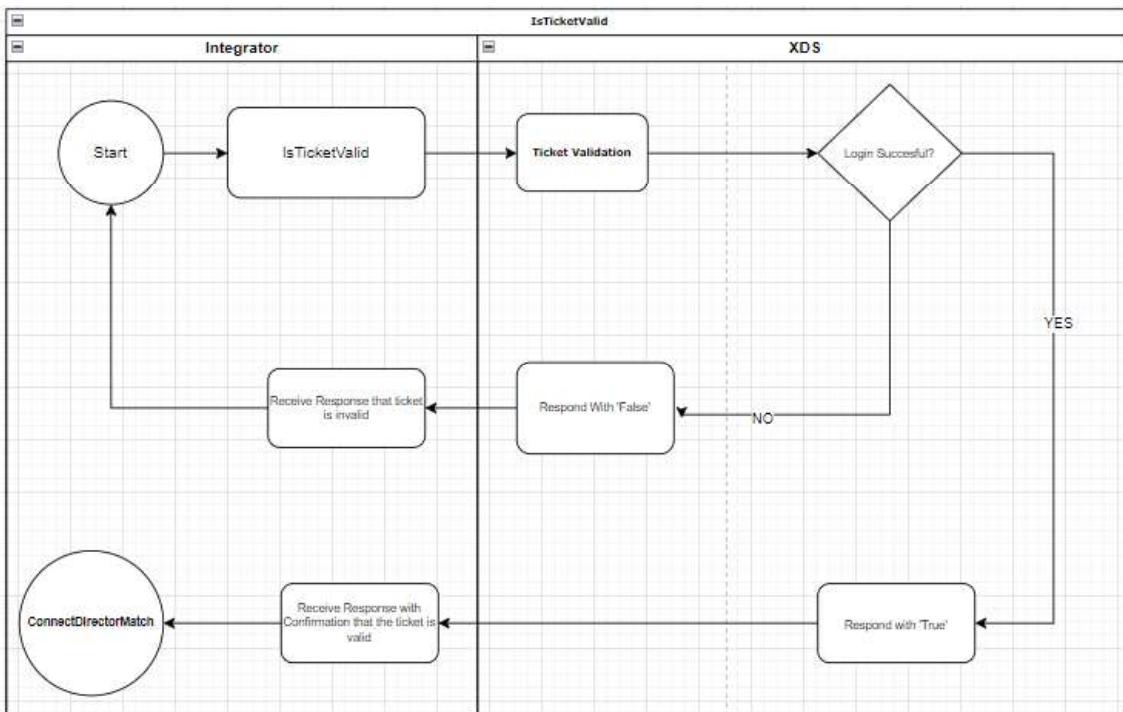
One of two response will be returned:

1. Successful Login – XDS authentication ticket will be returned which will be valid for 5 hours
2. Unsuccessful Login – Error message will be returned

Time lapse before next call: **None**

IsTicketValid:

Description: Is used to check if the ticket received from the login method is still valid



A successful call of **IsTicketValid** will always result in a String formatted as an XML Response, whether the actual operation was successful or not.

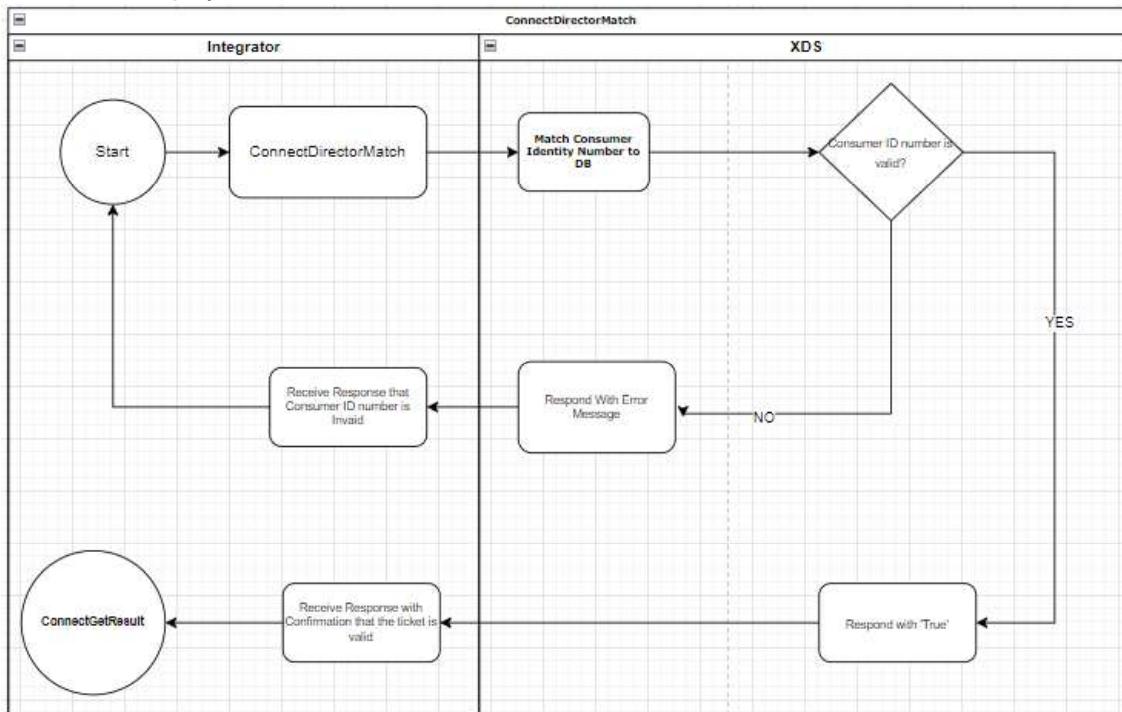
One of two response will be returned:

- 3. Successful Validation – True will be returned
- 4. Unsuccessful Validation – False will be returned / Error message will be returned

Time lapse before next call: **None**

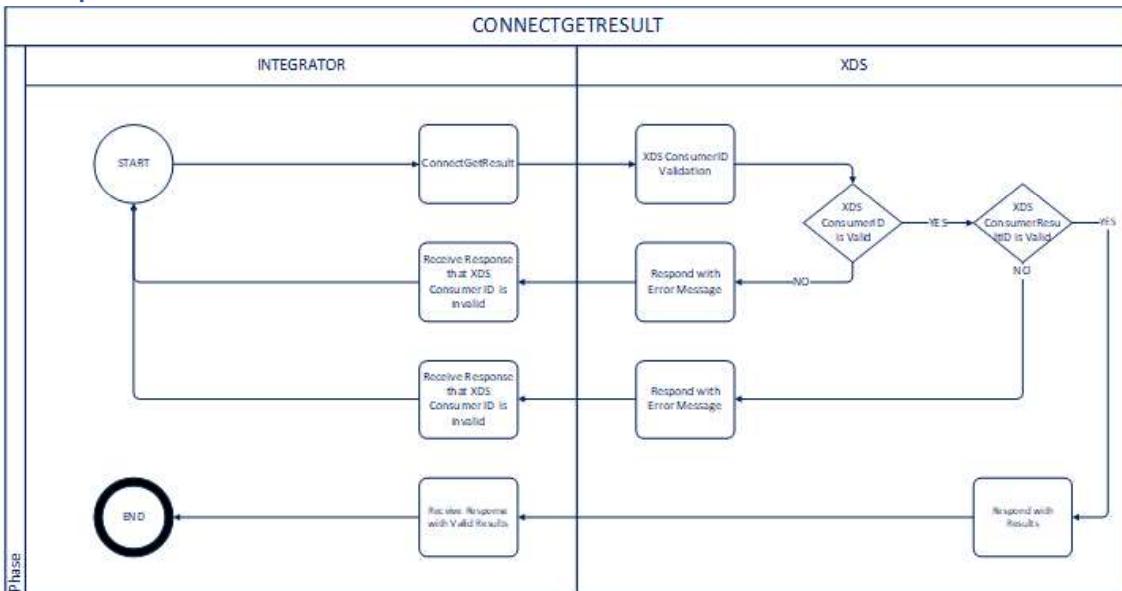
ConnectDirectorMatch:

Description: This method Processes a Director Match and returns the matched Directors and is used for Director Enquiry.



ConnectGetResult:

Description: Returns the result of selected matched Consumer based on a ProductID



Samples Requests

Login Request

XML input

```
<soap:Envelope
    xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
    xmlns:xds="http://www.web.xds.co.za/XDSConnectWS">
    <soap:Header/>
    <soap:Body>
        <xds:Login>
            <!--Optional:-->
            <xds:strUser>Username</xds:strUser>
            <!--Optional:-->
            <xds:strPwd>UserPassword</xds:strPwd>
        </xds:Login>
    </soap:Body>
</soap:Envelope>
```

Login Response

XML Output/Results

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
    envelope">
    <soap12:Body>
        <LoginResponse xmlns="http://www.web.xds.co.za/XDSConnectWS">
            <LoginResult>Authentication Ticket</LoginResult>
        </LoginResponse>
    </soap12:Body>
</soap12:Envelope>
```

IsTicketValid Request

XML input

```
POST /xdsconnect/XDSConnectWS.asmx HTTP/1.1
Host: www.web.xds.co.za
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <IsTicketValid xmlns="http://www.web.xds.co.za/XDSConnectWS">
      <XDSConnectTicket>Authentication Ticket</XDSConnectTicket>
    </IsTicketValid>
  </soap12:Body>
</soap12:Envelope>
```

IsTicketValid Response

XML Output/Results

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <LoginResponse xmlns="http://www.web.xds.co.za/XDSConnectWS">
      <LoginResult>Authentication Ticket</LoginResult>
    </LoginResponse>
  </soap12:Body>
</soap12:Envelope>
```

ConnectDirectorMatch Request

XML Input

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  

    xmlns:xds="http://www.web.xds.co.za/XDSConnectWS">  

    <soapenv:Header/>  

    <soapenv:Body>  

        <xds:ConnectDirectorMatch>  

            <!--Optional:-->  

            <xds:ConnectTicket>STRING</xds:ConnectTicket>  

            <!--Optional:-->  

            <xds:IdNumber>INT</xds:IdNumber>  

            <!--Optional:-->  

            <xds:FirstName>STRING</xds:FirstName>  

            <!--Optional:-->  

            <xds:Surname>STRING</xds:Surname>  

            <!--Optional:-->  

            <xds:YourReference>STRING</xds:YourReference>  

            <!--Optional:-->  

            <xds:VoucherCode></xds:VoucherCode>  

        </xds:ConnectDirectorMatch>  

    </soapenv:Body>  

</soapenv:Envelope>
```

ConnectDirectorMatch Response

XML Output/Results

```
[<ListOfDirectors>  

    <DirectorDetails>  

        <DirectorID></DirectorID>  

        <ConsumerID></ConsumerID>  

        <Idno></Idno>  

        <Passportnumber/>  

        <FirstInitial></FirstInitial>  

        <Firstname></Firstname>  

        <Surname></Surname>  

        <BirthDate></BirthDate>  

        <Gender/>  

        <BonusXML/>  

        <TempReference/>  

        <EnquiryID></EnquiryID>  

        <EnquiryResultID></EnquiryResultID>  

        <Reference></Reference>
```

```

</DirectorDetails>
</ListOfDirectors></ConnectDirectorMatchResult>
</ConnectDirectorMatchResponse>
</soap:Body>
</soap:Envelope>
```

ConnectGetResult Input

XML Input

```

<soap:Envelope
    xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
    xmlns:xds="http://www.web.xds.co.za/XDSConnectWS">
    <soap:Header/>
    <soap:Body>
        <xds:ConnectGetResult>
            <!--Optional:-->
            <xds:ConnectTicket>String</xds:ConnectTicket>
            <xds:EnquiryID>int</xds:EnquiryID>
            <xds:EnquiryResultID>int</xds:EnquiryResultID>
            <xds:ProductID>int</xds:ProductID>
            <!--Optional:-->
            <xds:BonusXML>String</xds:BonusXML>
        </xds:ConnectGetResult>
    </soap:Body>
</soap:Envelope>
```

ConnectGetResult Output

XML Output/Results

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
    <soap:Body>
        <ConnectGetResultResponse xmlns="http://www.web.xds.co.za/XDSConnectWS">
            <ConnectGetResultResult>string</ConnectGetResultResult>
        </ConnectGetResultResponse>
    </soap:Body>
</soap:Envelope>
```

A successful call of **ConnectGetResult** will always result in a String formatted as an XML Response, whether the actual operation was successful or not.