e-Filing Secure Web Service User Manual

Secure Web Services User Manual

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Abbreviations

Abbreviation	Expanded Form
A.O	Assessing Officer
A.Y	Assessment Year
DIT	Department of Income Tax
ERI	e-Return Intermediary
HTTP	Hypertext Transfer Protocol
ITR	Income Tax Return
PAN	Permanent Account Number
TAN	Tax Deduction Account Number
XML	Extensible Markup Language
EVC	Electronic Verification Code
ATM	Automated Teller Machine

Secure Web Services User Manual

Introduction

The World Wide Web is increasingly being used for communication between applications. The programmatic interfaces made available over the Web for application-to-application communication are often referred to as Web services. There are many types of applications that can be considered Web services but interoperability between applications is enhanced mostly by the use of familiar technologies such as XML and HTTP. These technologies allow applications using differing languages and platforms to interface in a familiar way.

These web services are implemented based on OASIS standards. These web services stack supports WS-Security and WS-SecurityPolicy to configure the security handling.

Requirements

1. The webservice user has to register IP address from which they will access e-Filing webservice. For this a mail has to be sent to e-Filing helpdesk (efilinghelpdesk@incometax.gov.in) mentioning the User ID and list of IP address. After successful registration, user can invoke the webservice using the wsdl.

2. The header of the SOAP Request should contain Username Token and Timestamp which has to be send by the user. Username Token provides a standard way of representing a username (User ID registered in e-Filing) and password pair with WS-Security. The credential is used to authorize the requester i.e. user and the request.

3. The UniqueRequestID in the SOAP request should be unique for each request. The first 10 letters of UniqueRequestID should be the user ID of the requester and followed by a hyphen (-) and unique random number. For example, if requester user ID is ERIA000000 and random number is 123456 then the UniqueRequestID should be "ERIA000000-123456".

4. The request has to be digitally signed using the private key of the user. Signature include key info element that contains X.509 certificate details. This is needed for e-Filing server to validate the signer. The below elements in the SOAP request has to be signed
    ➢ Timestamp
    ➢ UsernameToken
    ➢ Body

5. After signing, the request has to be encrypted using the e-Filing's public key. Use the URI
    https://incometaxindiaefiling.gov.in/eFiling/Portal/WebService/ITD_public_key.zip

    to download the E-Filing public key.

    The below contents are encrypted using the e-Filing's public key

    ➢ UsernameToken
    ➢ Body

6. Once these steps are followed, the request is valid.

NOTE:

- Verification of request by e-Filing server. e-Filing server validates the request in the following sequence:

  1. Checks if the username and password is valid. If not, it throws "*Invalid user id / password*" error.

  2. Checks whether user is authorized to access the webservice URI. If not, it throws "*You are not authorized to access this web service*" error.

  3. The signature element is validated with e-Filing server. If it is invalid, it throws "*Invalid DSC. Please use the DSC registered with e-Filing*" error.

  4. If the uniqueRequestId has been used previously then "*Duplicate Request. Please submit the request with valid request id.*" error is thrown.

- Use the URI https://incometaxindiaefiling.gov.in/eFiling/Portal/WebService/SEC_WS_JAVA_CLIENT_SAMPLES.zip to download the web service client samples.

1 Bulk ITR

This web service can be used to submit ITR in bulk. This is applicable for ERI users.

Below mentioned **Naming Convention** (for the xml files within the zip folder) and **Generation of Signature File** for DSC Mandatory XML's should be followed to submit Bulk ITR.

- Xml file (without DSC) name should be in **PAN_ITR_AY_DSC_<4 Digit number>.xml** format.
  For Example: **AAAPM1234B_ITR-1_2016_N_4567.xml**
- Xml file (with DSC) name should be in **PAN_ITR_AY_DSC_<4 Digit number>.xml** format.
- Signature file should be generated for the Corresponding XML using DSC Management Utility and the signature file should be renamed as xml file name followed by **.signature** extension.
  > For Example: For XML "**AAAPM1234B_ITR-1_2016_Y_4567.xml"** the DSC signature file should be as
  > "**AAAPM1234B_ITR-1_2016_Y_4567.xml.signature"**
- Please click the URL
  https://incometaxindiaefiling.gov.in/eFiling/Portal/WebService/BULK_ITR_SAMPLES.zip to download the Sample XML and Signature Files.

1.1 WSDL Definition

The following table provides details on Bulk ITR - Interface Properties:

Bulk ITR - Interface Properties

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/BulkItrService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	BulkItrServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

1.2 Operations

The following table provides details on Bulk ITR - Operation Properties:

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Bulk ITR - Operation Properties

Property	Value
Operation	uploadBulkItr
Style	Document
Type	Request-Response
Input	uploadBulkItr
Output	uploadBulkItrResponse
Send Attachments	True
Receive Attachments	False

1.3 Request

The user id and password are required for authenticating the user. Once authenticated, then the user will be authorised (refer Introduction section) to invoke the Web service.

1.3.1 Request Parameters

The following table provides details on Bulk ITR - Request Parameters:

Bulk ITR – Request Parameters

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
dataHandler	dataHandler of type base64 which is a zip file containing ITR xml files	Yes

1.3.2 Sample Request

The following is the sample request:

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

xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"

xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">

  <soapenv:Header/>

  <soapenv:Body>

    <dit:uploadBulkItr>

      <dit:DitRequest uniqueRequestId="xxxxxxxxx">

        <req:dataHandler>xxxxxxxxxxxxxx</req:dataHandler>

      </dit:DitRequest>

    </dit:uploadBulkItr>

  </soapenv:Body>

</soapenv:Envelope>

Note: The datahandler (a zipped file) contains the ITR xml files.

1.4 Response

The Token number for the Submit Bulk ITR will be displayed as a response.

1.4.1 Response Parameters

The following table provides details on Bulk ITR - Response Parameters:

Bulk ITR – Response Parameters

Field Name	Description
tokenNumber	Token Number

1.4.2 Sample Response

The following is the sample response:

```
<soap:Envelope>

  <soap:Body>

    <ns2:uploadBulkItrResponse

       xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"

       xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"

       xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">

      <ns2:result uniqueRequestId="xxxxxxx">

        <ns3:tokenNumber>xxxxxxxxxx</ns3:tokenNumber>

      </ns2:result>

    </ns2:uploadBulkItrResponse>

  </soap:Body>

</soap:Envelope>
```

1.5 Error

1.5.1 Error Messages

The following table lists the error messages:

Bulk ITR – Error Messages

Scenario	Error Message
User ID and Password not provided in request	The received token does not match the token inclusion requirement

1.5.2 Sample Error

The following is the sample error:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring>Error message.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

2 Bulk PAN Verification

This web service is used to upload multiple PAN for verification. This is applicable for External Agency and ERI users.

2.1 WSDL Definition

The following table provides details on Bulk PAN Verification - Interface Properties:

Bulk PAN Verification - Interface Properties

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/BulkPanService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	BulkPanServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

2.2 Operations

The following table provides details on Bulk PAN Verification - Operation Properties:

Bulk PAN Verification - Operation Properties

Property	Value
Operation	uploadBulkPan
Style	Document
Type	Request-Response
Input	uploadBulkPan
Output	uploadBulkPanResponse
Send Attachments	True
Receive Attachments	False

2.3 Request

The user id and password are required for authenticating the user. Once authenticated, then the user will be authorised (refer Introduction section) to invoke the Web service.

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2.3.1 Request Parameters

The following table provides details on Bulk PAN Verification - Request Parameters:

Bulk PAN Verification - Request Parameters

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
dataHandler	XML file as base64 attachment	Yes

2.3.2 Sample Request

The following is the sample request:

<soapenv:Envelope

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

xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"

xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">

<soapenv:Header/>

<soapenv:Body>

<dit:uploadBulkPan>

<dit:DitRequest uniqueRequestId="xxxxxxxxx">

<req:dataHandler>xxxxxxxxxxxxxxx</req:dataHandler>

</dit:DitRequest>

</dit:uploadBulkPan>

</soapenv:Body>

</soapenv:Envelope>

Note: The user has to submit the attachment of Bulk PAN xml to get the details of PANs and should be in the below format.

<?xml version="1.0" encoding="UTF-8"?>

<ns1:getPANInfo xmlns:ns1="http://bulkpanws.tcs.com/">

<pan>AAAPA0000A</pan>

<pan>AAAPA0000B</pan>

<pan>AAAPA0000C</pan>

<pan>AAAPA0000D</pan>

</ns1:getPANInfo>

2.4 Response

Token Number is the response from the Web service. To check the status of the Bulk PAN upload, use the Token number.

Note: To view the status or details of Uploaded XML's Login to e-Filing Application then Go to Bulk PAN Query → Token Status/Token Details.

2.4.1 Response Parameters

The following table provides details on Bulk PAN Verification - Response Parameters:

Bulk PAN Verification - Response Parameters

Field Name	Description
tokenNumber	Token Number

2.4.2 Sample Response

The following is the sample response:

<soap:Envelope>

  <soap:Body>

    <ns2:uploadBulkPanResponse

      xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"

      xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"

      xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">

      <ns2:result uniqueRequestId="xxxxxxx">

        <ns3:tokenNumber>xxxxxxxxxx</ns3:tokenNumber>

      </ns2:result>

    </ns2:uploadBulkPanResponse>

  </soap:Body>

</soap:Envelope>

2.5 Error

2.5.1 Error Messages

The following table lists the error messages

Bulk PAN Verification - Error Messages

Scenario	Error Message
User ID and Password not provided in request	The received token does not match the token inclusion requirement

2.5.2 Sample Error

The following is the sample error**:**

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

  <soap:Body>

    <soap:Fault>

      <faultcode>soap:Client</faultcode>

      <faultstring>Error message.</faultstring>

    </soap:Fault>

  </soap:Body>

</soap:Envelope>

3. Get ITR-V by Token Number

This web service can be used to receive ITR-V by mail for the PAN and Token Number mentioned. This is applicable for ERI users.

3.1 WSDL Definition

The following table provides details on Get ITR-V - Interface Properties:

Get ITR-V - Interface Properties

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/GetItrVByTokenNoService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	GetItrVByTokenNoServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

3.2 Operations

The following table provides details on Get ITR-V - Operation Properties:

Get ITR-V - Operation Properties

Property	Value
Operation	getItrV
Style	Document
Type	Request-Response
Input	getItrV
Output	getItrVResponse
Send Attachments	False
Receive Attachments	False

3.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

3.3.1 Request Parameters
The following table provides details on Get ITR-V - Request Parameters:

Get ITR-V - Request Parameters

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
panNo	Valid PAN of the client	Yes
tokenNo	Valid Token No	Yes

3.3.2 Sample Request

The following is the sample request:

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

xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"

xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">

<soapenv:Header/>

<soapenv:Body>

<dit:getItrV>

<dit:ditRequest uniqueRequestId="xxxxxxxx">

<req:panNo>XXXXXXXXX</req:panNo>

<req:tokenNo>XXXXXXX</req:tokenNo>

</dit:ditRequest>

</dit:getItrV>

</soapenv:Body>

</soapenv:Envelope>

3.4 Response

The status for the given PAN and Token No. will be displayed as a response in the below format.

3.4.1 Response Parameters

The following table provides details on Get ITR-V - Response Parameters:

Get ITR-V - Response Parameters

Field Name	Description
Result	It displays the result based on the data fetched from the specified pan and token number.

3.4.2 Sample Response

The following is the sample response:

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

<SOAP-ENV:Header />

<soap:Body>

```
<ns2:getItrVResponse xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"
        xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"
        xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">
    <ns2:ditResponse uniqueRequestId="xxxxxxx">
      <ns3:result>ITR-V is sent to your registered mail id.</ns3:result>
    </ns2:ditResponse>
  </ns2:getItrVResponse>
  </soap:Body>
</soap:Envelope>
```

3.5   Error

3.5.1 Error Messages

The following table provides details on Get ITR-V - Error Messages:

Get ITR-V - Error Messages

Scenario	Error Message
User ID and Password not provided in request	The received token does not match the token inclusion requirement
If PAN is not a client of logged in userID	Pan not added as client.
Status of the Token No. is in pending state.	Token Number is not processed. Please try again later.
Token No. does not exist.	Invalid Token Number. Please retry.
The entered PAN and Token No. does not match.	PAN not present in the Token.

3.5.2 Sample Error

The following is the sample error:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring>Error message.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

4 Get ITR-V by Acknowledgment Number

This web service can be used to receive ITR-V by mail for the PAN and Acknowledgement Number mentioned. This is applicable for ERI users.

4.1 WSDL Definition

The following table provides details on Get ITR-V - Interface Properties:

Get ITR-V - Interface Properties

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/GetItrVByAckNoService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	GetItrVByAckNoServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

4.2 Operations

The following table provides details on Get ITR-V - Operation Properties:

Get ITR-V - Operation Properties

Property	Value
Operation	getItrV
Style	Document
Type	Request-Response
Input	getItrV
Output	getItrVResponse
Send Attachments	False
Receive Attachments	False

4.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

4.3.1 Request Parameters
The following table provides details on Get ITR-V - Request Parameters:

Get ITR-V - Request Parameters

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
panNo	Valid PAN of the client	Yes
ackNo	Valid Acknowledgement No. of the client.	Yes

4.3.2 Sample Request

The following is the sample request:

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

xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"

xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">

  <soapenv:Header/>

  <soapenv:Body>

    <dit:getItrV>

      <dit:DitRequest uniqueRequestId="xxxxxxxx">

        <req:panNo>XXXXXXXXX</req:panNo>

        <req:ackNo>XXXXXXXXXXXXXX</req:ackNo>

      </dit:DitRequest>

    </dit:getItrV>

  </soapenv:Body>

</soapenv:Envelope>

4.4 Response

The result/status for the Pan and Acknowledgement No. will be displayed as response as shown in the below format.

4.4.1 Response Parameters

The following table provides details on Get ITR-V - Response Parameters:

Get ITR-V - Response Parameters

Field Name	Description
Result	It displays the result based on the data fetched from the specified pan and acknowledgement number.

4.4.2 Sample Response

The following is the sample response:

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

 <SOAP-ENV:Header />

 <soap:Body>

```
    <ns2:getItrVResponse

      xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"

      xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"

      xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">

      <ns2:DitResponse uniqueRequestId="xxxxxxx">

        <ns3:result>ITR-V is sent to your registered mail id.</ns3:result>

      </ns2:DitResponse>

    </ns2:getItrVResponse>

  </soap:Body>

</soap:Envelope>
```

4.5   Error

4.5.1   Error Messages

The following table provides details on Get ITR-V - Error Messages:

Get ITR-V - Error Messages

Scenario	Error Message
User ID and Password not provided in request	The received token does not match the token inclusion requirement
If PAN is not a client of logged in userID	Pan not added as client.
Acknowledgement No. does not exist	Invalid Acknowledgement Number. Please retry.

4.5.2   Sample Error

The following is the sample error:

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

  <soap:Body>

    <soap:Fault>

      <faultcode>soap:Client</faultcode>

      <faultstring>Error message.</faultstring>

    </soap:Fault>

  </soap:Body>

</soap:Envelope>
```

5 Get Return Status

This web service can be used to retrieve the status of the return filed for the PAN and Assessment year mentioned. This is applicable for ERI users.

5.1 WSDL Definition

The following table provides details on Get Return Status - Interface Properties:

Get Return Status - Interface Properties

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/ReturnStatusService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	ReturnStatusServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

5.2 Operations

The following table provides details on Get Return Status - Operation Properties:

Get Return Status - Operation Properties

Property	Value
Operation	getReturnStatus
Style	Document
Type	Request-Response
Input	getReturnStatus
Output	getReturnStatusResponse
Send Attachments	False
Receive Attachments	False

5.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

5.3.1 Request Parameters
The following table provides details on Get Return Status - Request Parameters:

Get Return Status - Request Parameters

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
Pan	Valid PAN of the client	Yes
assessmentYear	Valid Assessment Year.	Yes

5.3.2 Sample Request

The following is the sample request:

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

xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"

xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">

  <soapenv:Header/>

  <soapenv:Body>

    <dit:getReturnStatus>

      <dit:DitRequest uniqueRequestId="xxxxxxxx">

        <req:pan>XXXXXXXXX</req:pan>

        <req:assessmentYear>XXXX</req:assessmentYear>

      </dit:DitRequest>

    </dit:getReturnStatus>

  </soapenv:Body>

</soapenv:Envelope>

5.4   Response

The status of the return filed for the Pan and Assessment year will be displayed and if the record exists, the corresponding acknowledgement number is also displayed as response as shown in the below format.

5.4.1 Response Parameters

The following table provides details on Get Return Status - Response Parameters:

Get Return Status - Response Parameters

Field Name	Description
Status	Status of the Return
ackNo	Acknowledgement No. of the Return

5.4.2 Sample Response

The following is the sample response:

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

 <SOAP-ENV:Header />

 <soap:Body>

```
<ns2:getReturnStatusResponse

  xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"

  xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"

  xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">

  <ns2:DitResponse uniqueRequestId="xxxxxxxxxx">

    <ns3:status>XXXXX XXXXX</ns3:status>

    <ns3:ackNo>XXXXXXXXXX</ns3:ackNo>

  </ns2:DitResponse>

</ns2:getReturnStatusResponse>

  </soap:Body>

</soap:Envelope>
```

5.5 Error

5.5.1 Error Messages

The following table provides details on Get Return Status - Error Messages:

Get Return Status - Error Messages

Scenario	Error Message
User ID and Password not provided in request	The received token does not match the token inclusion requirement
No records for the Pan and Assessment year provided	No e-Filing has been done for this assessment year.
Return is not filed by ERI	ITR for the given PAN and Assessment year is not filed by ERI.

5.5.2 Sample Error

The following is the sample error:

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

  <soap:Body>

    <soap:Fault>

      <faultcode>soap:Client</faultcode>

      <faultstring>Error message.</faultstring>

    </soap:Fault>

  </soap:Body>

</soap:Envelope>
```

6 Retrieve PAN Information

This web service can be used to retrieve PAN information for the PAN mentioned. This is applicable for External Agency users.

6.1 WSDL Definition

The following table provides details on Retrieve PAN - Interface Properties:

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/PanQueryService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	PanQueryServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

6.2 Operations

The following table provides details on Retrieve PAN - Operation Properties:

Property	Value
Operation	getPanDetails
Style	Document
Type	Request-Response
Input	getPanDetails
Output	getPanDetailsResponse
Send Attachments	False
Receive Attachments	False

6.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

6.3.1 Request Parameters

The following table provides details on Retrieve PAN - Request Parameters:

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
Pan	Valid PAN of the client	Yes

6.3.2 Sample Request

The following is the sample request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"
xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">
   <soapenv:Header/>
   <soapenv:Body>
     <dit:getPanDetails>
       <dit:DitRequest uniqueRequestId="xxxxxxxxxxxx">
         <req:pan>xxxxxxxxxx</req:pan>
       </dit:DitRequest>
     </dit:getPanDetails>
   </soapenv:Body>
</soapenv:Envelope>
```

6.4 Response

Details of the given PAN will be displayed as a response in the above format.

6.4.1 Response Parameters

The following table provides details on Retrieve PAN - Response Parameters:

Field Name	Description
Pan	PAN
FullName	Assessee full name
DateOfBirth	Date of Birth of PAN
FatherFullName	Father's full name
Address	Address of the PAN

6.4.2 Sample Response

The following is the sample response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header />
 <soap:Body>
        <ns2:getPanDetailsResponse
      xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"
      xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"
      xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">
            <ns2:DitResponse uniqueRequestId="xxxxxxxxx">
                <ns3:Pan>xxxxxxxx</ns3:Pan>
                <ns3:FullName>xxxxxxxxxx</ns3:FullName>
                <ns3:DateOfBirth>xxxxxxxx</ns3:DateOfBirth>
                <ns3:FatherFullName>xxxxxxxx</ns3:FatherFullName>
                <ns3:Address>xxxxxxxxxx</ns3:Address>
            </ns2:DitResponse>
        </ns2:getPanDetailsResponse>
  </soap:Body>
</soap:Envelope>
```

6.5 Error

6.5.1 Error Messages

The following table provides details on Retrieve PAN - Error Messages:

Scenario	Error Message
PAN field left blank	The value of element 'req:pan' is not valid.
Less number of characters entered in PAN	The value of element 'req:pan' is not valid.
If PAN entered in wrong format	The value of element 'req:pan' is not valid.
If PAN does not exist	PAN does not exist

6.5.2 Sample Error

The following is the sample error:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring>Error message.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

7 Generate EVC through Bank ATM

This web service can be used to generate EVC through Bank ATM. This is applicable only to banks.

7.1 WSDL Definition

The following table provides details on Generate EVC through ATM - Interface Properties:

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/BankAtmGenEvcService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	BankAtmGenEvcServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

7.2 Operations

The following table provides details on Generate EVC using Bank ATM - Operation Properties:

Property	Value
Operation	getBankAtmGenEvcDetails
Style	Document
Type	Request-Response
Input	getBankAtmGenEvcDetails
Output	getBankAtmGenEvcDetailsResponse
Send Attachments	False
Receive Attachments	False

7.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

7.3.1 Request Parameters
The following table provides details on Generate EVC using Bank ATM - Request Parameters:

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
Pan	Valid PAN of the user.	Yes
atmId	Valid ATM ID of ATM machine.	Yes
atmCardNo	Valid ATM card number of user	Yes
bankAccNum	Valid bank account number of user.	Yes
ifsCode	Valid IFSC of bank where user holds his/her account.	Yes
atmAccessTime	ATM access time in valid format as per wsdl.	Yes

7.3.2 Sample Request

The following is the sample request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"
xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">
   <soapenv:Header/>
   <soapenv:Body>
     <dit:getBankAtmGenEvcDetails>
       <dit:DitRequest uniqueRequestId="xxxxxxxxxx">
         <req:pan>xxxxxxxxxx</req:pan>
         <req:atmId>xxxxxxxxxx</req:atmId>
         <req:atmCardNo>XXxxxxxxxxxXXXX</req:atmCardNo>
         <req:bankAccNum>xxxxxxxxxxx</req:bankAccNum>
         <req:ifsCode>xxxx0xxxxxx</req:ifsCode>
         <req:atmAccessTime>YYYY-MM-DD-HH.mm.ss.SSSSSS</req:atmAccessTime>
       </dit:DitRequest>
     </dit:getBankAtmGenEvcDetails>
   </soapenv:Body>
</soapenv:Envelope>
```

7.4 Response

If the EVC is generated successfully, the response will be displayed in the below format.

7.4.1 Response Parameters

The following table provides details on Generate EVC using Bank ATM - Response Parameters:

Field Name	Description
Result	EVC generated has been generated successfully.

7.4.2 Sample Response

The following is the sample response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header />
<soap:Body>
    <ns2:getBankAtmGenEvcDetailsResponse
xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"
xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"
xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">
      <ns2:DitResponse uniqueRequestId="xxxxxxxxx ">
        <ns3:result>EVC has been generated successfully</ns3:result>
      </ns2:DitResponse>
    </ns2:getBankAtmGenEvcDetailsResponse>
  </soap:Body>
</soap:Envelope>
```

7.5 Error

7.5.1 Error Messages

The following table provides details on on Generate EVC using Bank ATM - Error Messages:

Scenario	Error Message
If PAN does not exist	PAN is not registered in e-Filing
If invalid bank account number	Invalid Bank account number

7.5.2 Sample Error

The following is the sample error:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>Error code</faultcode>
      <faultstring>Error message.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

8 UPLOAD FORM C SERVICE

This web service can be used to Upload Form c. This is applicable only to RGESS External Agencies.

8.1 WSDL Definition

The following table provides details on Upload Form C - Interface Properties:

Property	Value
Definition URL	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws/UploadFormCService?wsdl
End point	https://incometaxindiaefiling.gov.in/e-FilingSecWS/ditsecws
Namespace	http://incometaxindiaefiling.gov.in/ditsecws/
Binding	UploadFormCServiceSoapBinding
SOAP Version	SOAP 1.1
Style	Document

8.2 Operations

The following table provides details on Upload Form C - Operation Properties:

Property	Value
Operation	uploadFormC
Style	Document
Type	Request-Response
Input	uploadFormC
Output	UploadFormCResponse
Send Attachments	False
Receive Attachments	False

8.3 Request

Once user ID and password is authenticated (refer Introduction section), the user will be authorised to invoke the Web service.

8.3.1 Request Parameters

The following table provides details on Upload Form C - Request Parameters:

Field Name	Description	Mandatory
uniqueRequestId	Valid unique Request ID.	Yes
dataHandler	File should be inserted in base64 format.	Yes

8.3.2 Sample Request

The following is the sample request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dit="http://incometaxindiaefiling.gov.in/ditsecws"
xmlns:req="http://incometaxindiaefiling.gov.in/ditsecws/request">
   <soapenv:Header/>
   <soapenv:Body>
     <dit:uploadFormC>
       <dit:DitRequest uniqueRequestId="XXXXXXXXX">
         <req:dataHandler>XXXXXXXXX</req:dataHandler>
       </dit:DitRequest>
     </dit:uploadFormC>
   </soapenv:Body>
</soapenv:Envelope>
```

8.4 Response

If the Form C is uploaded successfully, the response will be displayed in the below format.

8.4.1 Response Parameters
The following table provides details on Upload Form C - Response Parameters:

Field Name	Description
Result	Transaction number

8.4.2 Sample Response
The following is the sample response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header />
<soap:Body>
    <ns2:uploadFormCResponse
xmlns="http://incometaxindiaefiling.gov.in/ditsecws/request"
xmlns:ns2="http://incometaxindiaefiling.gov.in/ditsecws"
xmlns:ns3="http://incometaxindiaefiling.gov.in/ditsecws/response">
      <ns2:result uniqueRequestId="XXXXXXXXX">
        <ns3:transactionNumber>00000000000</ns3:transactionNumber>
      </ns2:result>
    </ns2:uploadFormCResponse>
  </soap:Body>
</soap:Envelope>
```

8.5 Error

8.5.1 Error Messages
The following table provides details on on Upload Form C - Error Messages:

Scenario	Error Message
If PAN does not exist	PAN is not registered in e-Filing
If invalid bank account number	Invalid Bank account number

8.5.2 Sample Error

The following is the sample error:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>Error code</faultcode>
      <faultstring>Error message.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```