

Islamabad Excise & Taxation– Soap Service Integration Documentation

VERSION: 1.0

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2 Document Purpose:

This purpose of this document is to define the Soap Service methods completely for serviceconsumers.

3 Overview:

A soap service with four methods has been created which will act as a facilitator to retrieve and push the data of vehicle tax against the given parameters.

- GetAssesmentDetail
- GenerateChallan
- GetChallanStatus
- CancelChallan

4 Operational Flow:

Following is the operational flow for Live and Test Environments accordingly:

4.1 Live Environment

Due to its secure nature, the live soap service is available via VPN only. A VPN Secure channel will be created between JS Bank Server and the Biller Server. This VPN will be used by JS Bank for retrieving the data against required parameters and for pushing the information to the Biller Server once the tax challan is paid at the JS Bank end.

4.2 Test Environment

The test environment is available on World Wide Web on the following URL:

<http://uatexciseservice.itpportal.com/taxinquiry.aspx>

This environment is replica of actual environment and will be used for user acceptance testing.

5 Soap Service Details:

The live soap service is accessible over the VPN on the production server. The URL and access credentials for live environment will be shared separately.

However, for development and testing purposes, please use the following URL with credentials in the soap service methods as provided by the Biller

<http://uatexciseservice.itpportal.com/taxinquiry.aspx>

Following are the methods of Soap Service:

5.1 GetAssesmentDetail:

This method of soap service can be used to retrieve the data against valid parameters. Following is the sample request and response for this method:

5.1.1 Sample Request for GetAssesmentDetail

POST /Taxinquiry.asmx HTTP/1.1

Host: uatexciseservice.itpportal.com

Content-Type: text/xml; charset=utf-8

Content-Length: length

SOAPAction: "http://taxmanagementsystem/GetAssesmentDetail"

```
<?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>
    <GetAssesmentDetail xmlns="http://taxmanagementsystem/">
      <RegistrationNumber>string</RegistrationNumber>
      <ChesisNumber>string</ChesisNumber>
      <BankMnemonic>string</BankMnemonic>
    </GetAssesmentDetail>
  </soap:Body>
</soap:Envelope>
```

5.1.2 Sample Response against GetAssesmentDetail

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelopexmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetAssesmentDetailResponsexmlns="http://TaxManagementSystem/">
      <GetAssesmentDetailResult>
        <VctAssesmentNO>326</VctAssesmentNO>
        <AssesmentDate>2019-10-23T00:00:00</AssesmentDate>
        <RegistrationNo>FV-505</RegistrationNo>
        <RegistrationDate>2016-01-15T00:00:00</RegistrationDate>
        <ChassisNo>HA25S834868</ChassisNo>
        <MarkerMake>HA25S834868</MarkerMake>
        <Category>PRIVATE</Category>
        <BodyType>MOTOR CAR</BodyType>
        <EngCapacity>650</EngCapacity>
        <Seats>4</Seats>
        <Cylinders>3</Cylinders>
        <OwnerCnic>3520161489112</OwnerCnic>
        <OwnerName>SAIMA SAFDAR RAJA</OwnerName>
        <FilerStatus>NO</FilerStatus>
        <TaxPaidFrom>2019-07-01T00:00:00</TaxPaidFrom>
        <TaxPaidUpTo>2020-06-30T00:00:00</TaxPaidUpTo>
        <VehTaxPaidLifeTime>Y</VehTaxPaidLifeTime>
```

```

    <VehicalStatus>REGISTERED</VehicalStatus>
    <FitnessDate>0001-01-01T00:00:00</FitnessDate>
    <TotalAmount>31000</TotalAmount>
    <StatusCode>ORA-00000: Successfully</StatusCode>
  </GetAssesmentDetailResult>
</GetAssesmentDetailResponse>
</soap:Body>
</soap:Envelope>

```

| S # | Parameter(s) | Data Type | Format | Example |
|-----|--|---------------|-------------------------|-------------------------|
| 1 | RegistrationNumber (Mandatory) | Alpha Numeric | ABC-123 | FV-505 |
| 2 | ChesisNumber (For testing it is optional in Future it will be also Mandatory) | Alpha Numeric | ABC123456789 | 5524511 or NZE140-55241 |
| 3 | BankMnemonic (Mandatory) | String | 3 Character Fixed Value | ETC |

5.2 GenerateChallan:

This method of soap service will be used to create new challan for the vehicle tax payment. Few values, from the information received from the "GetAssesmentDetail" method, will be used as parameter for this method to generate accurate challan. Following is the sample request and response for this method:

5.2.1 Sample Request for GenerateChallan:

POST /TaxInquiry.asmx HTTP/1.1

Host: localhost

Content-Type: text/xml; charset=utf-8

Content-Length: length

SOAPAction: "http://TaxManagementSystem/GenerateChallan"

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelopexmlns: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>
    <GenerateChallanxmlns="http://TaxManagementSystem/">
      <AssesementNumber>string</AssesementNumber>
      <VehicleRegistrationNumber>string</VehicleRegistrationNumber>
    </GenerateChallan>
  </soap:Body>
</soap:Envelope>

```

```

    <CustomerMobileNumber>string</CustomerMobileNumber>
    <AssesementTotalAmount>string</AssesementTotalAmount>
    <ChallanStatus>string</ChallanStatus>
    <BankMnemonic>string</BankMnemonic>
    <authId>string</authId>
    <TranDate>string</TranDate>
    <TranTime>string</TranTime>
</GenerateChallan>
</soap:Body>
</soap:Envelope>

```

5.2.2 Sample Response against GenerateChallan

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelopexmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GenerateChallanResponsexmlns="http://TaxManagementSystem/">
      <GenerateChallanResult>
        <VCTChallanNO>2664015</VCTChallanNO>
        <ChallanDate>23/10/2019 15:01:48</ChallanDate>
        <ChallanStatus>PAID</ChallanStatus>
        <PaymentReceivedBY>289</PaymentReceivedBY>
        <PaymentDate>23/10/2019 15:02:19</PaymentDate>
        <RegistrationNo>FV-505</RegistrationNo>
        <RegistrationDate>2016-01-15T00:00:00</RegistrationDate>
        <ChassisNo>HA25S834868</ChassisNo>
        <MarkerMake>HA25S834868</MarkerMake>
        <Category>PRIVATE</Category>
        <BodyType>MOTOR CAR</BodyType>
        <EngCapacity>650</EngCapacity>
        <Seats>4</Seats>
        <Cylinders>3</Cylinders>
        <OwnerCnic>3520161489112</OwnerCnic>
        <OwnerName>SAIMA SAFDAR RAJA</OwnerName>
        <FilerStatus>NO</FilerStatus>
        <TaxPaidFrom>2019-07-01T00:00:00</TaxPaidFrom>
        <TaxPaidUpTo>2020-06-30T00:00:00</TaxPaidUpTo>
        <VehTaxPaidLifeTime>Y</VehTaxPaidLifeTime>
        <VehicalStatus>REGISTERED</VehicalStatus>
        <FitnessDate>0001-01-01T00:00:00</FitnessDate>
        <TotalAmount>31000</TotalAmount>
      </GenerateChallanResult>
    </GenerateChallanResponse>
  </soap:Body>
</soap:Envelope>

```

```

        <StatusCode>ORA-00000: Successfully</StatusCode>
    </GenerateChallanResult>
</GenerateChallanResponse>
</soap:Body>
</soap:Envelope>

```

| S # | Parameter(s) | Data Type | Format | Example |
|-----|--|---------------|---------------------------------|---|
| 1 | AssesementNumber (Mandatory) | Numeric | Numeric | 20 (From Get Assesment Detail Function Response) |
| 2 | VehicleRegistrationNumber (Mandatory) | Alpha Numeric | Alpha Numeric Max Length: 10 | FV-505 |
| 3 | CustomerMobileNumber (Mandatory) | Numeric | Numeric Max Length: 12 | 923335353535 |
| 4 | AssesementTotalAmount (Mandatory) | Numeric | Numeric | 20 (From Get Assesment Detail Function Sum of Tax Amount) |
| 5 | ChallanStatus (Mandatory) | String | String | PAID |
| 6 | BankMnemonic (Mandatory) | String | 3 Character Fixed Value | ETC |
| 7 | authId (Mandatory) | Numeric | Numeric | Payment Transaction Id or Auth Id |
| 8 | TranDate (Mandatory) | Date | Date Only | |
| 9 | TranTime (Mandatory) | Time | Time Only | |

5.3 GetChallanStatus:

This method of soap service will be used to get the status of a challan for the vehicle tax payment. Few values, from the information received from the “GenerateChallan” method, will be used as parameter for this method to send accurate status. Following is the sample request and response for this method:

5.3.1 Sample Request for GetChallanStatus:

POST /TaxInquiry.asmx HTTP/1.1

Host: localhost

Content-Type: text/xml; charset=utf-8

Content-Length: length

SOAPAction: "http://TaxManagementSystem/GetChallanStatus"

```
<?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>
<GetChallanStatus xmlns="http://TaxManagementSystem/">
<ChallanNumber>string</ChallanNumber>
<VehicleRegistrationNumber>string</VehicleRegistrationNumber>
<BankMnemonic>string</BankMnemonic>
</GetChallanStatus>
</soap:Body>
</soap:Envelope>
```

5.3.2 Sample Response against GetChallanStatus

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<soap:Body>
<GetChallanStatusResponse xmlns="http://TaxManagementSystem/">
<GetChallanStatusResult>
    <VCTChallanNO>2664015</VCTChallanNO>
    <ChallanDate>23/10/2019 15:01:48</ChallanDate>
    <ChallanStatus>PAID</ChallanStatus>
    <PaymentReceivedBY>289</PaymentReceivedBY>
    <PaymentDate>23/10/2019 15:02:19</PaymentDate>
    <RegistrationNo>FV-505</RegistrationNo>
    <RegistrationDate>2016-01-15T00:00:00</RegistrationDate>
    <ChassisNo>HA25S834868</ChassisNo>
    <MarkerMake>HA25S834868</MarkerMake>
    <Category>PRIVATE</Category>
    <BodyType>MOTOR CAR</BodyType>
    <EngCapacity>650</EngCapacity>
    <Seats>4</Seats>
    <Cylinders>3</Cylinders>
    <OwnerCnic>3520161489112</OwnerCnic>
    <OwnerName>SAIMA SAFDAR RAJA</OwnerName>
    <FilerStatus>NO</FilerStatus>
    <TaxPaidFrom>2019-07-01T00:00:00</TaxPaidFrom>
    <TaxPaidUpTo>2020-06-30T00:00:00</TaxPaidUpTo>
```



```

    <VehTaxPaidLifeTime>Y</VehTaxPaidLifeTime>
    <VehicalStatus>REGISTERED</VehicalStatus>
    <FitnessDate>0001-01-01T00:00:00</FitnessDate>
    <TotalAmount>31000</TotalAmount>
    <StatusCode>ORA-00000: Successfully</StatusCode>
</GetChallanStatusResult>
</GetChallanStatusResponse>
</soap:Body>
</soap:Envelope>

```

| S # | Parameter(s) | Data Type | Format | Example |
|-----|--|------------------|---------------------------------|--|
| 1 | Challan Number (Mandatory) | Numeric | Numbers | 2663972 (From GenerateChallan Function Response) |
| 2 | VehicleRegistrationNumber (Mandatory) | Alpha Numeric | Alpha Numeric Max Length: 10 | FV-505 |
| 3 | BankMnemonic (Mandatory) | String | 3 Character Fixed Value | ETC |

5.4 CancelChallan:

This method of soap service will be used to cancel a payment against a generated challan for the vehicle tax payment. Following is the sample request and response for this method:

5.4.1 Sample Request for CancelChallan:

POST /Taxinquiry.asmx HTTP/1.1

Host: uatexciseservice.itportal.com

Content-Type: text/xml; charset=utf-8

Content-Length: length

SOAPAction: "http://taxmanagementsystem/CancelChallan"

```

<?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>
    <CancelChallan xmlns="http://taxmanagementsystem/">
      <ChallanNumber>string</ChallanNumber>
      <VehicleRegistrationNumber>string</VehicleRegistrationNumber>
    </CancelChallan>
  </soap:Body>
</soap:Envelope>

```

```
<CustomerMobileNumber>string</CustomerMobileNumber>
<AssesementTotalAmount>string</AssesementTotalAmount>
<ChallanStatus>string</ChallanStatus>
<BankMnemonic>string</BankMnemonic>
<Cancel_authId>string</Cancel_authId>
<Cancel_TranDate>string</Cancel_TranDate>
<Cancel_TranTime>string</Cancel_TranTime>
</CancelChallan>
</soap:Body>
</soap:Envelope>
```

5.4.2 Sample Response against CancelChallan

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelopexmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<soap:Body>
<CancelChallanResponse xmlns="http://taxmanagementsystem/">
<ChallanDetail xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://taxmanagementsystem/">
<VCTChallanNO>2664046</VCTChallanNO>
<ChallanDate>25/10/2019 16:38:26</ChallanDate>
<ChallanStatus>CANCELLED</ChallanStatus>
<PaymentReceivedBY>341</PaymentReceivedBY>
<PaymentDate>25/10/2019 16:38:50</PaymentDate>
<RegistrationNo>FV-505</RegistrationNo>
<RegistrationDate>2016-01-15T00:00:00</RegistrationDate>
<ChassisNo>HA25S834868</ChassisNo>
<MarkerMake>HA25S834868</MarkerMake>
<Category>PRIVATE</Category>
<BodyType>MOTOR CAR</BodyType>
<EngCapacity>650</EngCapacity>
<Seats>4</Seats>
<Cylinders>3</Cylinders>
<OwnerCnic>3520161489112</OwnerCnic>
<OwnerName>SAIMA SAFDAR RAJA</OwnerName>
<FilerStatus>NO</FilerStatus>
<TaxPaidFrom>2019-07-01T00:00:00</TaxPaidFrom>
<TaxPaidUpTo>2020-06-30T00:00:00</TaxPaidUpTo>
<VehTaxPaidLifeTime>Y</VehTaxPaidLifeTime>
<VehicalStatus>REGISTERED</VehicalStatus>
<FitnessDate>0001-01-01T00:00:00</FitnessDate>
```

```

<TotalAmount>31000</TotalAmount>
<StatusCode>ORA-00000: Successfully</StatusCode>
</ChallanDetail>
</CancelChallanResponse>
</soap:Body>
</soap:Envelope>

```

| S # | Parameter(s) | Data Type | Format | Example |
|-----|--|---------------|---------------------------------|--|
| 1 | Challan Number (Mandatory) | Numeric | Numbers | 2663972 (From GenerateChallan Function Response) |
| 2 | VehicleRegistrationNumber (Mandatory) | Alpha Numeric | Alpha Numeric Max Length: 10 | FV-505 |
| 3 | CustomerMobileNumber (Mandatory) | Numeric | Numeric Max Length: 12 | 923335353535 |
| 4 | AssesmentTotalAmount (Mandatory) | Numeric | Numeric | Sum of Tax Amount Paid against Challan |
| | ChallanStatus (Mandatory) | String | Fixed String | Cancelled |
| 5 | BankMnemonic (Mandatory) | String | 3 Character Fixed Value | ETC |
| | Cancel_authId (Mandatory) | Numeric | Numeric | Refund Payment Transaction Id or Auth Id |
| | Cancel_TranDate (Mandatory) | Date | Date Only | |
| | Cancel_TranTime (Mandatory) | Time | Time Only | |

6 Response Codes / Error Codes

Following are the response /error codes with appropriate description in multiple scenarios:

| S NO. | ERROR CODE | MESSAGE | Web service |
|-------|------------|--|--------------------|
| 1 | -20001 | Could not get user info, Contact system administrator. | GetAssesmentDetail |

| | | | |
|----|--------|---|--------------------|
| 2 | -20002 | Vehicle registration status (Vehicle Registration No.) is invalid for tax payment, , Please contact ETO office. | GetAssesmentDetail |
| 3 | -20003 | Token tax for vehicle is already paid for life time. | GetAssesmentDetail |
| 4 | -20004 | Token tax for vehicle is already paid. | GetAssesmentDetail |
| 5 | -20005 | Vehicle data not found, Please contact ETO office. | GetAssesmentDetail |
| 6 | -20006 | Invalid vehicle and owner data, Please contact ETO office. | GetAssesmentDetail |
| 7 | -20007 | This vehicle has not applied for Smart Card, Please contact ETO office. | GetAssesmentDetail |
| 8 | -20008 | failure | GetAssesmentDetail |
| 9 | -20009 | failure | GetAssesmentDetail |
| 10 | -20049 | Cannot generate assessment, Please contact ETO office. | GetAssesmentDetail |
| 11 | -20050 | Invalid payment status | GenerateChallan |
| 12 | -20051 | Could not get user info. | GenerateChallan |
| 13 | -20052 | Assessment not found, Please generate assessment. | GenerateChallan |
| 14 | -20053 | Payment already made against this assessment. | GenerateChallan |
| 15 | -20054 | Cannot verify amount for this assessment | GenerateChallan |
| 16 | -20055 | Amount mismatch. | GenerateChallan |
| 17 | -20056 | Could not generate challan against this assessment. | GenerateChallan |
| 18 | -20100 | Invalid status | GetChallanStatus |
| 19 | -20101 | Could not get user info. | GetChallanStatus |
| 20 | -20102 | Cannot cancel challan from previous dates, Please contact ETO office. | GetChallanStatus |
| 21 | -20103 | Challan not found. | GetChallanStatus |
| 22 | -20104 | Amount mismatch | GetChallanStatus |
| 23 | -20105 | failure | GetChallanStatus |

| | | | |
|----|--------|--|--|
| 24 | -20000 | Server not Accessible | GetAssesmentDetail GenerateChallan GetChallanStatus |
| 25 | -00000 | Successfully | GetAssesmentDetail GenerateChallan GetChallanStatus |
| 26 | -22000 | Registration Number is Empty | GetAssesmentDetail |
| 27 | -22001 | Registration Number Invalid Format | GetAssesmentDetail GenerateChallan |
| 28 | -22002 | Some Fields are Empty(Assessment Number, VehicleRegistrationNumber,Amount,Status) | GenerateChallan GetChallanStatus |
| 29 | -22003 | Internal Server Error | GetAssesmentDetail GenerateChallan GetChallanStatus CancelChallan |
| 30 | -22004 | Challan not PAID So you can't cancel it | CancelChallan |
| 31 | -22005 | Challan Generate Date and Challan Cancel Date are not Same | CancelChallan |
| 32 | -22006 | Invalid Mobile Number (If Mobile Number is Given during generation of challan) | CancelChallan |