

Electronic Insurance Web Service Specification Document

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**Document Control**

**Revision History**

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**Approvals**

This document requires the approval of:

|  |  |  |  |
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| **Name** | **Title** | **Signature** | **Date** |
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# **Introduction**

Electronic Insurance web Service is used to Add Vehicle Insurance and Cancel Insurance.

This document describes Electronic Insurance web Service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

Electronic Insurance web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | ElectronicInsuranceService |
| **Service Description** | ElectronicInsuranceService for. |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/ElectronicInsuranceService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/ElectronicInsuranceService |

# **Service Operations**

This section describes ElectronicInsuranceWeb Service operations, input operation parameters, operation response and applications errors.

## WSDL File



## Electronic Insurance Service Operations:

* addVehicleInsuranceOperation
* cancelInsuranceOperation

## Notes and issues:

* Access to this web service is limited to the authorized clients, the web service clients has to authenticate themselves to the service provider, which lead to preventing unauthorized clients from calling the service.

## Electronic Insurance Service

## Add Vehicle InsuranceOperation

This method is used to add vehicle electronic insurance info in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| Insurance Info | Complex Type | N/A | No | Insurance Info |

### Add Insurance Info Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| InsuranceUserName | String | N/A | No | InsuranceUserName |
| PolicyNo | String | 15 | No | Policy No |
| InsuranceType | String | 1 | No | Value Comprehensive Or Third Party |
| PolicyDate | Date | N/A | No | Policy Date  yyyy-mm-dd |
| PolicyExpiryDate | Date | N/A | No | Policy Expiry Date  yyyy-mm-dd |
| insuranceCompanyId | Positive Integer | 15 | No | Insurance Company Id |
| ChassisNo | String | 17 | Yes | Chassis No |
| ModelYear | Positive Integer | 4 | Yes | Model Year |
| EngineNo | String | 30 | Yes | Engine No |
| Cylinders | Positive Integer | 3 | Yes | Cylinders |
| NoOfDoors | Positive Integer | 3 | Yes | No Of Doors |
| NoOfSeats | Positive Integer | 3 | Yes | No Of Seats |
| Plate | Complex Type | N/A | Yes | Plate Details |
| TransactionType | Long | 15 | Yes | TransactionType |
| TrafficFileNo | Number | 8 | Yes | TrafficFileNumber |
| InsuranceHolderNameAr | String | 128 | Yes | InsuranceHolderName In Arabic |
| InsuranceHolderNameEn | String | 128 | Yes | InsuranceHolderNameEnglish |
| EmirateIdNo | String | 30 | Yes | EmirateIdNumber |
| VehicleManufacturerId | Long | 15 | Yes | VehicleManufacturerId |
| VehicleModelId | Long | 15 | Yes | VehicleModelId |
| VehicleDescriptionId | Long | 15 | Yes | VehicleDescriptionId |
| VehicleClassId | Long | 15 | Yes | VehicleClassId |
| EngineCapacity | Long | 5 | Yes | EngineCapacity |
| EnginePower | String | 15 | Yes | EnginePower |
| VehicleUnloadedWeight | Long | 8 | Yes | VehicleUnloadedWeight |
| VehicleAxesNo | Integer | 3 | Yes | VehicleAxesNumber |
| VehicleMainColor | Integer | 2 | Yes | VehicleMainColor |
| MortgagedBy | String | 30 | Yes | MortgagedBy |
| BearAmount | Long | 15 | Yes | BearAmount |
| IsCoveredFamilyEmployees | Boolean | 1 | Yes | IsCoveredFamilyEmployees |
| IsCoveredDriver | Boolean | 1 | Yes | IsCoveredDriver |
| NoOfPassengersWithDriver | Integer | 2 | Yes | Number OfPassengersWithDriver |
| DriverAge | Integer | 3 | Yes | DriverAge |
| DriverNationalityCode | String | 15 | Yes | DriverNationalityCode |
| DriverOccupationId | Long | 15 | Yes | DriverOccupationId |
| DrivingLicenseIssueDate | Date | N/A | Yes | DrivingLicenseIssueDate |
| GeographicCoverage | Complex Type | N/A | Yes | GeographicCoverage |
| AdditionalInfo | Complex Type | N/A | Yes | Additional Information |
| InsuranceAmount | Long | 15 | Yes | InsuranceAmount |
| VehicleValue | Long | 15 | Yes | VehicleValue |

### Plate Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| PlateNo | String | 15 | Yes | Plate No |
| PlateCategory | String | 64 | Yes | Value Must be Private, Taxi, Public Transportation Or Motorcycle. |
| PlateCode | String | 1 | Yes | Value Must be A,B,C,D….Y Or Z. |

### Geographic Coverage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| CountryCode | String | 5 | Yes | CountryCode |

### Additional Info

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| AdditionalInfoId | Long | 15 | Yes | AdditionalInformation Id |

### Operation Faults

|  |  |
| --- | --- |
| **Message** | **Description** |
| Booklet is required | When Booklet is Null |
| Insurance Policy Number is missing. Please resend the record | When Policy Number is Null |
| Insurance Type (Third party or comprehensive) is missing. Please resend the record | When Insurance Type is Null |
| Insurance Policy Date is missing. Please resend the record | When Policy Date is Null |
| Insurance Policy Expiry Date is missing. Please resend the record | When Expiry Date is Null |
| Insurance Company ID is missing. Please resend the record | When Company Id is Null |
| Vehicle is required | When Vehicle is Null |
| Chassis Number is Missing. Please resend the record | When Chassis Number is Null |
| Insurance user name either is missing or invalid | When User Name is Null |
| Insurance is required | When Insurance Organization is Null |
| Insurance company ID either is missing or invalid | When Company Id is Invalid |
| Invalid Updated by | When Updated By is Null |
| Plate category is required | When Plate Category is Null |
| Plate info is required | When Plate Some Of Plate Info is Null |
| Other exceptions | Other exceptions |

### Sample SOAP Request



### Sample SOAP Response



## CancelInsuranceOperation

This method is used to cancel Insurance info in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| Insurance Info | Complex Type | N/A | No | Insurance Info |

### Insurance Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| insuranceUserName | String | N/A | No | External User Name |
| chassisNo | String | 30 | No | ChassisNumber |
| policyNo | String | 30 | No | PolicyNumber |
| insuranceCompanyId | Number | 15 | No | InsuranceCompanyId |
| updatedBy | String | 64 | No | UpdatedBy |

### Sample SOAP Request



### Sample SOAP Response



## FaultResponse:

## Error Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| responseCode | Integer | N/A | No | ResponseCode, Zero for success, 1 for failure |
| responseDescAr | String | N/A | No | ResponseDescription In Arabic |
| responseDescEn | String | N/A | No | ResponseDescription In English |