

Traffic Accident Data Web Service Specification Document

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**Document Control**

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Revised By** | **Revision**  **Date** | **Version**  **Number** | **Summary of Changes** | **Sections Affected** |
| MuathAlbasheer | 13/08/2018 | 1.0 | First draft |  |
| Muath Albasheer | 19/11/2018 | 1.01 | Second draft | Rename Operation to submitAccidentDataOperation |

**Approvals**

This document requires the approval of:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Signature** | **Date** |
| Waseem Zawaideh | Technical Team Leader |  | 13/08/2018 |

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# **Introduction**

Traffic Accident Data Service is used to Send Accident Data.

This document describes Traffic Accident Data Web service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

Traffic Accident Data Web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | TrafficAccidentDataService |
| **Service Description** | TrafficAccidentDataService is used to submit Accident Data about car accidents to the smart licensing system |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/TrafficAccidentDataService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/TrafficAccidentDataService?wsdl |

# **Service Operations**

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

## WSDL File



## TrafficAccidentDataService Operations:

* submitAccidentDataOperation.

## 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.

## Traffic Accident Data Service

## Submit Accident Data Operation

This operation is used to submit traffic accidents data.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| submitAccidentDataRequest | Complex Type | N/A | No | Submit Accident Data Request |

### Submit Accident Data Request Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| batchNo | long | 15 | No | Batch no |
| accidentsList | Complex Type | N/A | No | SendAccidentDataRequest Type |

### Accidents List Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| accidentsList | Complex Type | N/A | No | AccidentsList Type |

### Accidents List Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| accidentEvent | Complex Type | N/A | No | AccidentEvent Type |

### Accident Event Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| eDataClaimId | long | 20 | No | EDataClaimId |
| dateOfAccident | dateTime | N/A | No | DateOfAccident  TimeOfAccident  Format :  [YYYY-mm-DD'T'HH:MM:SS]  Example :  [2018-12-21T12:12:12] |
| timeOfAccident | dateTime | N/A | No | TimeOfAccident  Format :  [YYYY-mm-DD'T'HH:MM:SS]  Example :  [2018-12-21T12:12:12] |
| policeReportNumber | string | 20 | Yes | PoliceReportNumber |
| policeReportCenter | string | 64 | Yes | PoliceReportCenter |
| accidentLocationEmiCode | String | 3 | No | AccidentLocationEmiCode |
| accidentLocationDescAr | String | 64 | Yes | AccidentLocationDescription Arabic |
| accidentLocationDescEn | String | 64 | Yes | AccidentLocationDescription English |
| accidentStreetLocation | String | 2048 | Yes | AccidentStreetLocation |
| causeOfAccident | String | 512 | Yes | CauseOfAccident |
| casualties | Integer | 5 | Yes | Number of casualties |
| severityOfAccident | Integer | 5 | Yes | SeverityOfAccident |
| partiesList | Complex Type | N/A | No | PartiesList Type |

### Parties List Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| party | Complex Type | N/A | No | Party Type |

### Party Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| driverDetails | Complex Type | N/A | No | DriverDetails Type |
| vehicleDetails | Complex Type | N/A | No | VehicleDetails Type |
| insuranceDetails | Complex Type | N/A | No | InsuranceDetails Type |
| vehicleRepair | Complex Type | N/A | No | VehicleRepair Type |

### Driver Details Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| drivenChassis | string | 30 | Yes | Driven Chassis |
| nameAr | string | 128 | Yes | Name Arabic |
| nameEn | string | 128 | Yes | Name English |
| birthYear | Integer | 4 | Yes | Birth Year |
| nationality | long | 15 | Yes | Nationality |
| NationalityAr | String | 64 | Yes | Nationality Arabic |
| NationalityEn | String | 64 | Yes | Nationality English |
| gender | String | 240 | Yes | Gender |
| driverLicenseNumber | String | 15 | No | Driver License Number |
| driveLicenseYears | Integer | 4 | Yes | Drive License Years |
| emirateLicenseFrom | String | 3 | No | EmirateLicenseFrom |
| emiratesIdNumber | String | 30 | Yes | Emirates Id Number |
| mobilePhone | String | 15 | Yes | Mobile Phone |
| emailAddress | String | 128 | Yes | Email Address |
| hasTrafficFinesInPastYear | boolean | N/A | Yes | Has Traffic Fines In Past Year(true, false) |
| noDriverAtFaultYearsCount | integer | 4 | Yes | No Driver At Fault Years Count |
| driverWasAtFault | boolean | N/A | Yes | Driver Was At Fault |
| percentageOfFault | Integer | 3 | Yes | Percentage Of Fault |

### Vehicle Details Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| vehicleChassisNumber | string | 30 | No | VehicleChassisNumber |
| makeId | long | 15 | Yes | make Id |
| makeDescAr | string | 64 | Yes | Make Description Arabic |
| makeDescEn | string | 64 | Yes | Make Description English |
| modelId | long | 15 | Yes | Model Id |
| modelDescAr | string | 128 | Yes | Model Description Arabic |
| modelDescEn | string | 128 | Yes | Model Description English |
| trimId | long | N/A | Yes | Trim Id |
| trimDescAr | string | N/A | Yes | Trim Description Arabic |
| trimDescEn | string | N/A | Yes | Trim Description English |
| bodyTypeId | long | 15 | Yes | Body Type Id |
| bodyTypeDescAr | string | 64 | Yes | Body Type Description Arabic |
| bodyTypeDescEn | string | 64 | Yes | Body Type Description English |
| yearOfManufacture | string | 4 | Yes | Year Of Manufacture |
| mileage | integer | 8 | Yes | Make Description Arabic |
| colorId | integer | 240 | Yes | Color Id |
| colorDescAr | string | 240 | Yes | Make Description Arabic |
| colorDescEn | string | 240 | Yes | Color Description English |
| engineNumber | string | 30 | Yes | Engine Number |
| engineSize | integer | 5 | Yes | Engine Size |
| vehiclePlateNumber | string | 15 | Yes | Vehicle Plate Number |
| plateCode | string | 25 | Yes | Plate Code |
| plateCodeDescAr | string | 30 | Yes | Plate Code Description Arabic |
| plateCodeDescEn | string | 30 | Yes | Plate Code Description English |
| plateCategory | string | 25 | Yes | Plate Category |
| plateCategoryDescAr | string | 64 | Yes | Plate Category Description Arabic |
| plateCategoryDescEn | string | 64 | Yes | Plate Category Description English |
| emirateOfRegistrationCode | string | 3 | Yes | Emirate Of Registration Code |
| emirateOfRegistrationDescAr | string | 64 | Yes | Emirate Of Registration Description Arabic |
| emirateOfRegistrationDescEn | string | 64 | Yes | Emirate Of Registration Description English |

### Insurance Details Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| insuranceCompanyId | integer | 15 | Yes | Insurance Company Id |
| insuranceCompanyDescAr | String | 64 | Yes | Insurance Company Description Arabic |
| insuranceCompanyDescEn | string | 64 | Yes | Insurance Company Description English |
| policyNumber | string | 64 | Yes | Policy Number |
| numberOfYearsInsured | integer | 1 | Yes | Number Of Years Insured |
| typeOfInsurance | integer | 240 | Yes | Type Of Insurance |

### Vehicle Repair Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| locationOfVehicleDamage | String | 2048 | Yes | Location Of Vehicle Damage |
| damageSeverity | double | 64 | Yes | Damage Severity |
| vehicleIsTotalLoss | boolean | N/A | Yes | Vehicle Is Total Loss |
| repairedAtDealership | boolean | N/A | Yes | Repaired At Dealership |
| repairCompletionDate | dateTime | N/A | Yes | RepairCompletionDate  Format :  [YYYY-mm-DD'T'HH:MM:SS]  Example :  [2018-12-21T12:12:12] |

### Operation Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| sendAccidentDataResponse | Complex Type | N/A | No | Send Accident Data Response Type |

### Send Accident Data Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| status | integer | N/A | No | Status (0 success, 1 failed) |
| descrpitionAr | string | N/A | No | Description Arabic |
| descrpitionEn | string | N/A | No | Description English |
| sendAccidentInfoResponse | Complex | N/A | Yes | SendAccidentInformation Response Type |

### Send Accident Information Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| batchNo | long | 15 | No | Batch Number |
| accidentsList | Complex Type | N/A | No | AccidentsList Type |

### Accidents List Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| accidentEventResponse | Complex Type | N/A | No | AccidentEventResponse Type |

### Accident Event Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| eDataClaimId | long | 20 | No | E Data Claim Id |
| accidentEventStatus | integer | 1 | No | AccidentEventStatus |
| accidentEventStatusDescAr | string | 240 | No | AccidentEventStatusDescription Arabic |
| accidentEventStatusDescEn | string | 240 | No | AccidentEventStatus Description English |
| partiesList | Complex Type | N/A | No | Parties List Response Type |

### Parties List Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| Party | Complex Type | N/A | No | Party Type |

### Party Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| driver | Complex Type | N/A | Yes | Driver Type |
| vehicle | Complex Type | N/A | Yes | Vehicle Type |

### Driver Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| drivenChassisNumber | string | 30 | No | DrivenChassisNumber |
| driverStatus | integer | 1 | No | Driver Status |
| driverStatusDescAr | string | 240 | No | Driver Status Description Arabic |
| driverStatusDescEn | string | 240 | No | Driver Status Description English |

### Vehicle Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| vehicleChassisNumber | string | 30 | No | VehicleChassisNumber |
| vehicleStatus | integer | 1 | Yes | Vehicle Status |
| vehicleStatusDescAr | integer | 240 | Yes | Vehicle Status Description Arabic |
| vehicleStatusDescEn | integer | 240 | Yes | Vehicle Status Description English |

### Sample SOAP Request



### Sample SOAP Response

