

MED Telematic Devices Service Specification Document

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**Document Control**

**Revision History**

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| **Revised By** | **Revision**  **Date** | **Version**  **Number** | **Summary of Changes** | **Sections Affected** |
| Muath Albasheer | 10/07/2018 | 1.0 | First draft |  |
| Muath Albasheer | 19/11/2018 | 1.01 | Second draft | Rename service to MEDTelematicDevicesService |

**Approvals**

This document requires the approval of:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Signature** | **Date** |
| Waseem Zawaideh | Technical Team Leader |  | 10/07/2018 |

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# **Introduction**

This document describes MED (Monitor and Enforcement Department) Telematic Devices Web Service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

MED Telematic Devices Web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | MEDTelematicDevicesService |
| **Service Description** | MED Telematic Devices Service for Add/Update status of Telematic Devices. |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/ MEDTelematicDevicesService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/MEDTelematicDevicesService?wsdl |

# **Service Operations**

This section describes MED (Monitor and Enforcement Department) Telematic Devices Web Service operations, input operation parameters, operation response and applications errors.

## WSDL File



## MED Telematic Devices Service Operations:

* addDeviceOperation
* updateDeviceStatusOperation

## 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.

## MED Telematic Devices Service

## Add Device Operation

This method is used to add new Telematic device.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| deviceId | String | 128 | No | Telematic Device Id |
| chassisNo | String | 17 | No | Vehicle Chassis Number |
| telematicType | Integer | 2 | No | Telematic Type   |  |  |  | | --- | --- | --- | | Value | Des. En. | Desc. Ar. | | 1 | Telematic | جهاز الرقابة عن بعد | | 2 | Secure Path | الطريق الآمن | | 3 | Rased | راصد | |
| subscriptionDueDate | Date | N/A | Yes | Subscript Due Date |

### Sample SOAP Request



### Sample SOAP Response



## Update Device Status Operation

This method is used to update the status of a telematics device.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| deviceId | String | 128 | No | Device Id |
| chassisNo | String | 17 | No | Vehicle Chassis Number |
| deviceStatus | Integer | 2 | No | Telematic Device Status   |  |  |  | | --- | --- | --- | | Value | Desc. Eng. | Desc. Ar. | | 1 | NEW | جديد | | 2 | INITIATED | مهيأ | | 3 | INSTALLED | مثبت | | 4 | ACTIVE | قعال | | 5 | INACTIVE | غير فعال | | 6 | UNINSTALLED | غير مثبت | | 7 | REPLACED | مستبدل | | 8 | DAMAGED | تالف | | 9 | UNDER\_RENEWAL | تحت التجديد | | 10 | STOLEN | مسروق | | 11 | RECOVERED | مسترد | |
| subscriptDueDate | Date | N/A | Yes | Subscript Due Date |

### Sample SOAP Request



### Sample SOAP Response



## Fault Response:

## Error Response Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| responseCode | Integer | N/A | No | Response Code |
| responseDescriptionAr | String | N/A | No | Response Description In Arabic |
| responseDescriptionEn | String | N/A | Yes | Response Description In English |