

Parking System Web Service Specification Document

|  |
| --- |
| All information contained in this document is confidential and it is intended only for the use of the staff of RTA in charge with evaluation of the proposed solution. None of the information in this document may be disclosed to a third party without prior approval of l-SOFT Emirates. |

**Document Control**

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Revised By** | **Revision**  **Date** | **Version**  **Number** | **Summary of Changes** | **Sections Affected** |
| Ibrahim Hamarneh | 30/08/2018 | 1.0 | First draft |  |
| Muath Albasheer | 19/11/2018 | 1.01 | Second draft | Rename Service with operation |

**Approvals**

This document requires the approval of:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Signature** | **Date** |
| Waseem Zawaideh | Technical Team Leader |  | 09/07/2018 |

Table of Contents

[**Introduction** 4](#_Toc530581816)

[**Functional specifications** 4](#_Toc530581817)

[**Service Operations** 4](#_Toc530581818)

[WSDL File 5](#_Toc530581819)

[Parking System Service Operations: 5](#_Toc530581820)

[Notes and issues: 5](#_Toc530581821)

[Parking System Service 6](#_Toc530581822)

[1. Add Seasonal Card Operation 6](#_Toc530581823)

[1.1. Operation Parameters 6](#_Toc530581824)

[1.2. Add Card Request Type 6](#_Toc530581825)

[1.3. Sample SOAP Request 7](#_Toc530581826)

[1.4. Sample SOAP Response 7](#_Toc530581827)

[2. Add Vehicle Operation 7](#_Toc530581828)

[2.1. Operation Parameters 7](#_Toc530581829)

[2.2. Add Vehicle Request Type 7](#_Toc530581830)

[2.3. Plate Type 8](#_Toc530581831)

[2.4. Emirate Type Values 9](#_Toc530581832)

[2.5. Sample SOAP Request 9](#_Toc530581833)

[2.6. Sample SOAP Response 9](#_Toc530581834)

[3. Remove Seasonal Card Operation 10](#_Toc530581835)

[3.1. Operation Parameters 10](#_Toc530581836)

[3.2. Remove Card Request Type 10](#_Toc530581837)

[3.3. Sample SOAP Request 10](#_Toc530581838)

[3.4. Sample SOAP Response 10](#_Toc530581839)

[4. Remove Vehicle Operation 10](#_Toc530581840)

[4.1. Operation Parameters 11](#_Toc530581841)

[4.2. Remove Vehicle Request Type 11](#_Toc530581842)

[4.3. Sample SOAP Request 11](#_Toc530581843)

[4.4. Sample SOAP Response 11](#_Toc530581844)

# **Introduction**

1. Parking System Service will be deployed on E-Traffic system and used to update Seasonal Card Service Application.

# **Functional specifications**

Parking System web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service name** | ParkingSystemService |
| **Service Description** | Parking System Service. |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/ParkingSystemService |
| **WSDL** | http://localhost:7101/traffic/ws/resources/soap/ParkingSystemService?wsdl |

# **Service Operations**

This section describes Parking System Service operations, input operation parameters, operation response.

## WSDL File



## Parking System Service Operations:

* addSeasonalCardOperation
* addVehicleOperation
* removeSeasonalCardOperation
* removeVehicleOperation

## 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.

## Parking System Service

## Add Seasonal Card Operation

This method is used to add Seasonal Card in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| AddCardRequestType | Complex Type | N/A | No | Add Card Request Type |

### Add Card Request Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| trafficId | long | N/A | No | Traffic Id |
| applicationId | long | N/A | No | Application Id |
| cardPeriod | int | N/A | No | Card Period |
| cardType | int | N/A | No | Card Type |
| cardActivationDate | Date | N/A | No | Card Activation Date  yyyy-MM-dd |

### Sample SOAP Request



### Sample SOAP Response



## Add Vehicle Operation

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

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| addVehicleRequestType | Complex Type | N/A | No | Add Vehicle Request Type |

### Add Vehicle Request Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| cardId | long | N/A | No | Card Id |
| oldCardNumber | long | N/A | Yes | Old Card Number |
| plate | PlateType | N/A | No | Plate Info |

### Plate Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| plateSource | SimpleType | N/A | No | Plate Source |
| plateNo | String | N/A | Yes | Plate Number |
| plateCategoryCode | int | N/A | No | Plate Category Code |
| plateCodeId | long | N/A | No | Plate Code Id |
| cfiPlateCode | String | N/A | No | CFI Plate Code |

### Emirate Type Values

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Base** | **Description** |
| DXB | Enumeration | N/A | String | DXB |
| AUH | Enumeration | N/A | String | AUH |
| SHJ | Enumeration | N/A | String | SHJ |
| FUJ | Enumeration | N/A | String | FUJ |
| AJM | Enumeration | N/A | String | AJM |
| UMQ | Enumeration | N/A | String | UMQ |
| RAK | Enumeration | N/A | String | RAK |

### Sample SOAP Request



### Sample SOAP Response



## Remove Seasonal Card Operation

This method is used to remove Seasonal Card from E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| removeCardRequest | Complex Type | N/A | No | Remove Card Request |

### Remove Card Request Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| cardId | long | N/A | No | Card Id |

### Sample SOAP Request



### Sample SOAP Response



## Remove Vehicle Operation

This method is used to remove vehicle from E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| removeVehicleRequestType | Complex Type | N/A | No | Remove Vehicle Request Type |

### Remove Vehicle Request Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| vehicleId | long | N/A | No | Vehicle Id |
| cardId | long | N/A | Yes | Card Id |

### Sample SOAP Request



### Sample SOAP Response



## 