

Special Plate Transaction Service Web Service Specification Document

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**Document Control**

**Revision History**

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**Approvals**

This document requires the approval of:

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

This document describes Special Plate Transaction Web Service functional specifications which include the service endpoint, operations, input operation parameters, operation response and applications errors.

# **Functional specifications**

Special Plate Transaction Web Service will be deployed on E-Traffic system.

|  |  |
| --- | --- |
| **Service Name** | SpecialPlateTransactionService |
| **Service Description** | Special Plate Transaction Service |
| **End Point** | http://localhost:7101/traffic/ws/resources/soap/SpecialPlateTransactionService |
| **WSDL** | <http://localhost:7101/traffic/ws/resources/soap/SpecialPlateTransactionService?wsdl> |

# **Service Operations**

This section Special Plate Transaction Web Service operations, input operation parameters, operation response and applications errors.

## WSDL File



## Special Plate Transaction Service Operations:

* addToBasketOperation
* bookFreePlateOperation
* getBasketDetailsOperation
* getSpecialPlatesOperation
* removeFromBasketOperation

## 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.

## Special Plate Transaction Service

## Add To Basket Operation

This method is used to add special plate into basket.

### Operation Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** | **Lookup View** |
| externalUsername | String | 30 | No | External User Name |  |
| plateNo | Number | N/A | No | Plate Number |  |
| plateCFICode | String | N/A | No | Plate CFI Code | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  PLATE\_CFI\_CODE |
| plateCFICategory | String | N/A | No | Plate CFI Category | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  CATEGORY\_CFI\_CODE |
| requiredAction | Number | 1 | No | Required Action | **View Name:**  LKP\_SMART\_LICENSING\_DOMAIN\_VW  **Related Column:**  DOMAIN\_NAME = ‘TF\_REQUIRED\_ACTION’  **Returned Value:**  DOMAIN\_VALUE\_NO |
| trafficFileNo | Number | 8 | No | Traffic File No |  |
| transactionId | Number | 15 | Yes | Transaction Id |  |

### Sample SOAP Request



### Sample SOAP Response



### Sample SOAP Failed Request



### Sample SOAP Failed Response



## Remove From Basket Operation

This method is used to remove plate from basket only if the plate on basket no expired and the basket plate record is active.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description / Lookup** |
| externalUsername | String | 30 | No | External User Name |
| plateNo | String | N/A | No | Plate Number |
| plateCFICode | String | N/A | No | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  PLATE\_CFI\_CODE |
| plateCFICategory | String | N/A | No | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  CATEGORY\_CFI\_CODE |
| trafficFileNo | Long | 8 | No | Traffic File Number |
| transactionId | Long | 15 | Yes | Transaction Id |

### Sample SOAP Request



### Sample SOAP Response



### Sample SOAP Filed Request



### Sample SOAP Failed Response



## Get Basket Details Operation

This method is used to inquiry about plate basket in E-Traffic System.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| trafficFileNo | String | N/A | No | Traffic File Number. |
| requiredAction | Long | N/A | Yes (No need to pass it at all) | **View Name:**  LKP\_SMART\_LICENSING\_DOMAIN\_VW  **Related Column:**  DOMAIN\_NAME = ‘TF\_REQUIRED\_ACTION’  **Returned Value:**  DOMAIN\_VALUE\_NO |

### Sample SOAP Request



### Sample SOAP Response



### Sample SOAP Response Special Case



### Sample SOAP Response Special Case



### Sample SOAP Filed Request



### Sample SOAP Failed Response



## Book Free Plate Operation

This operation book free plate that can be used in changing plate service.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| bookFreePlateRequest | Complex Type | N/A | No | Book Free Plate Request |

### Book Free Plate Request

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** | **Lookup View** |
| cfiPlateCategory | String | N/A | No | CFI plate category | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  CATEGORY\_CFI\_CODE |
| frontPlateSize | Integer | N/A | No | Front Plate Size | **View Name:**  LKP\_SMART\_LICENSING\_DOMAIN\_VW  **Related Column:**  DOMAIN\_NAME = ‘TF\_PLATE\_SIZE’  **Returned Value:**  DOMAIN\_VALUE\_NO |
| backPlateSize | Integer | N/A | No | Back Plate Size | **View Name:**  LKP\_SMART\_LICENSING\_DOMAIN\_VW  **Related Column:**  DOMAIN\_NAME = ‘TF\_PLATE\_SIZE’  **Returned Value:**  DOMAIN\_VALUE\_NO |
| centerCode | Long | N/A | No | Center Code |  |

### Sample SOAP Request



### Sample SOAP Response



### Sample SOAP Filed Request



### Sample SOAP Failed Response



## Get Special Plates Operation

This method is used to get Special Plate by Plate Info or By Customer Info.

### Operation Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| externalUsername | String | 30 | No | External User Name |
| getSpecialPlatesRequest | Complex Type | N/A | No | Get Special Plates Request |

### Get Special Plates Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| searchByPlateInfo | Complex Type | N/A | Yes | Search By Plate Info (Either search by plate info or by customer info should be passed)  **Note:**  Mandatory if searchByCustomerInfo is missing |
| searchByCustomerInfo | Complex Type | N/A | Yes | Search By Customer Info  (Either search by plate info or by customer info should be passed)  **Note:**  Mandatory if searchByPlateInfo is missing |
| searchAvailablePlate | Boolean | N/A | Yes | Boolean value (true or false). |

Extra Note:

If both **searchByPlateInfo** and **searchByCustomerInfo** blocks are available then the system will only consider the searchByCustomerInfo block for getting the results.

### Search by Plate Info

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description / Lookup** |
| trafficFileNumber | Long | N/A | No | Traffic File Number |
| plateNumber | String | N/A | Yes | Plate Number |
| cfiCode | String | N/A | Yes | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  PLATE\_CFI\_CODE |
| plateCategoryCode | Long | N/A | Yes  **Note:**  Mandatory in case plateId is missing | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  CATEGORY\_CFI\_CODE |
| numberOfPlateDigits | Int | N/A | Yes | Number Of Plate Digits |
| plateAmountRange | Int | N/A | Yes | **View Name:**  LKP\_SMART\_LICENSING\_DOMAIN\_VW  **Related Column:**  DOMAIN\_NAME = ‘TF\_PLATE\_AMOUNT\_RANGES’  **Returned Value:**  DOMAIN\_VALUE\_NO |
| alternativeOptions | String | N/A | Yes | Alternative Search Options (Comma Separated Value). Not lookup values, they are fixed values.   |  |  | | --- | --- | | Value | Description | | 1 | Number without code | | 2 | Same price | | 3 | Similar plates | | 4 | Top 10 for the month | |
| plateId | Long | N/A | Yes  **Note:**  Mandatory in case plateCategoryCode is missing | Plate Id |

**Extra conditions for search by plate info:**

|  |  |
| --- | --- |
| **Case** | **Condition** |
| plateId is empty | plateCategoryCode should be available |
| plateCategoryCode is empty | plateId should be available |
| Both **numberOfPlateDigits** and **plateAmountRange** are empty | Either **plateId** or **plateNumber** should be available |
| **plateAmountRange** is empty | Either **numberOfPlateDigits** or **plateNumber** should be available |

### Search by Customer Info

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description /Lookup** |
| trafficFileNumber | Long | N/A | No | Traffic File Number |
| plateCategoryCode | Long | N/A | No | **View Name:**  LKP\_PLATE\_CODE\_VW  **Related Column:**  CATEGORY\_CODE |
| searchMethod | Int | N/A | No | |  |  | | --- | --- | | Value | Description | | 2 | Inquiry by customer birth year | | 3 | Inquiry by customer owned preserved plates | | 4 | Inquiry by customer mobile number |   One of the following values (Fixed not lookup) |
| plateNumber | String | N/A | Yes | Plate Number |

### Sample SOAP Request





### Sample SOAP Response





### Sample SOAP Filed Request



### Sample SOAP Failed Response



## Fault Response:

## Error Response Type

### Errors Types

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

### Error Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Optional** | **Description** |
| errorCode | Integer | N/A | No | ErrorCode |
| errorAr | String | N/A | No | ErrorArabic |
| errorEn | String | N/A | No | ErrorEnglish |
| traceLogId | Number | 15 | Yes | Reference id of the error |