TRIP INTEGRATION WITH LES

Version-1.0.4

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Submitted To :

INTEGRATED TRANSPORT CENTRE

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DSTME
DIGIT SYSTEM TECHNOLOGY

Web API Services

Technical Documentation

Version 1.0.4

Revision History

SL No	Name	Date	Reason for Changes	Version
1	Sijo Jose	10-Nov-2021	Document Created	Ver-1.0.0
2	M J Paul	11-Nov-2021	Document Verified	Ver-1.0.0
3	Lloyd George	18-Jan-2021	Updated operator info as array, EID info for the driver, driver name in arabic, and pickup and drop off location for Save trips.	Ver-1.0.1
4	M J Paul	19-Jan-2021	Verified	Ver-1.0.1
5	Hasanul Banna	25-Feb-2022	Customer Info moved to non-mandatory	Ver-1.0.1
6	Loyed George	31-Aug-2022	Removed Plate Color Field From 'getVehiclePermits' and 'saveTripDetails service'	Ver-1.0.2
7	Loyed George	17-Mar-2023	1) Added "IsEligibleForTrip" in getDriverPermits and getVehiclePermits methods 2) Added "NameAr" in OperatorInfo 3) getDriverPermits and getVehiclePermits methods calling approach changed 4) Added new params to getDriverPermits and getVehiclePermits methods 5) New method added to fetch operator master	Ver-1.0.3
8	Lloyd George	29-May-2025	1) Added New Field "VehicleType" for 'saveTripDetails service' 2) Added Extra Variable fields for future use in 'saveTripDetails service'	

Contents

Overview

In order to facilitate two way integration between Licensing & Enforcement System (LES) ITC and PHC (Private Hire Cars), a JSON API service has been launched which is developed using Microsoft .Net Core.

This web API returns JSON Array for any data retrieval operations. JWT Token Based authentication which need to be passed for every API calls

Get Token

URL	https://lesstg.itc.gov.ae/external_service/operator/getToken (This is a dummy URL, Actual URL will be provided at later stage.)
Method	[HttpPost]
Details	This URL can be used to a get a token for authentication.
Input parameters Mandatory	<table><tr><th>Parameter Name</th><th>Type</th><th>Mandatory</th></tr><tr><td>UserName</td><td>String</td><td>Yes</td></tr><tr><td>Password</td><td>String</td><td>Yes</td></tr><tr><td>ApiKey</td><td>String</td><td>Yes</td></tr></table>

Example Payload	{
	 "UserName": "paul",
	 "Password": "xdae523dfasfaqrafgjs34=",
	 " ApiKey": "apidata",
	 }

Output Details	Success:
	 {
	 "Valid": true,
	 "Token": "eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3….."
	 "ResponseMessage": ""
	 }
	 Failure:
	
	 {
	 "Valid": false,
	 "Token": null,
	 "ResponseMessage": ""
	 }

Get Vehicle Permit Data

URL	https://lesstg.itc.gov.ae/external_service/operator/getVehiclePermits (This is a dummy URL, Actual URL will be provided at later stage.)
Method	[HttpPost]
Details	In Header Needs to Pass received Token Example: Authorization: Bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTI1NiIsInR5cCI6IkpXVCJ9.eyJnaXZlbl9uYW1lIjoiT3BlcmF0b3IiLCJuYW1laWQiOiIzIiwidW5pcXVlX25hbWUiOiI0NTc5IiwianRpIjoiRTM0Qzk5MUUtMTMxRC00RDA5LUI2RDktNTc4QzNENTZBN0NGIiwiZXhhcHkIjoxNjQyNTM1MjExLCJpc3MiOiJhY2NpbmdlLmNvbSIsImF1ZCI6Imdsb2JhbCJ9.vh07ZrcefCiN7378D08T0INQIxqijuraXVLOuzw58do
Input parameters	<table><tr><th>Parameter Name</th><th>Type</th><th>Mandatory</th><th>Description</th></tr><tr><td>StatusTime</td><td>Datetime</td><td>No</td><td>Data format of passing value "dd-MMM-yyyy HH:mm:ss"</td></tr><tr><td>PlateNo</td><td>String</td><td>No</td><td></td></tr><tr><td>ChassisNo</td><td>String</td><td>No</td><td></td></tr><tr><td>CnNumber</td><td>String</td><td>No</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>

Payload Example	<pre>{
	    "PlateNo": "83499",
	    "ChassisNo" :"",
	    "CnNumber" :"",
	    "StatusTime":null
	}</pre>

Note	If all parameters are passed without value, then system will provide only vehicle list updated within 24 hour.

Output Details	Success:
	<pre>{
	    "Vehicles": [
	        {
	            "PermitNumber": "",
	            "PermitExpiryDate": "23/11/2014",
	            "PlateNumber": 83499,
	            "PlateCode": "12",
	            "PlateSource": "Abu Dhabi",
	            "InsuranceType": "",
	            "InsuranceProvider": "",
	            "InsurancePolicyNumber": "",
	            "RegistrationExpiryDate": "23/11/2014",
	            "OperatorType": "Private hire car",
	            "OperatorInfo": {
	                "CNNumber": "",
	                "Name": "Limousine Service L.L.C",
	                "NameAr": "ليموزين سيرفيس ذ.م.م",
	                "TCFNumber": "11209992558",</pre>

```
                "ExpiryDate": "",
                "EmiratesIDNo": ""
            },
            "VehicleBrand": "LEXUS",
            "VehicleYear": 2013,
            "VehicleModel": "ES 350",
            "ChassisNumber": "JTH1KBGG9D2017772",
            "PermitStatus": "Suspended",
            "IsEligibleForTrip": "No",
            "LastStatusDate": "2014-12-24T00:30:01.197",
            "Remarks": "Franchise Inactive"
        }
    ],
    "Valid": true,
    "ResponseMessage": ""
}
```

Failure:

```
    {
        "Vehicles": [],
        "Valid": false,
        "ResponseMessage": error message
    }
```

Get Driver Permit Data

URL	https://lesstg.itc.gov.ae/external_service/operator/getDriverPermits (This is a dummy URL, Actual URL will be provided at later stage.)
Method	[HttpPost]
Details	In Header Needs to Pass received Token Example: Authorization: Bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXN oYTI1NiIsInR5cCI6IkpXVCJ9.eyJnaXZlbl9uYW1lIjoiT3BlcmF0b3IiLCJuYW1laWQiOiIzIiwidW 5pcXVlX25hbWUiOiI0NTc5IiwianRpIjoiRTM0Qzk5MUUtMTcxRC00RDA5LUI2RDktNTc4Qz NENTZBN0NGIiwiZXhwIjoxNjQyNTM1MjExLCJpc3MiOiJhY2NpbmdlLmNvSIsImF1ZCI6Im dsb2JhbCJ9.vh07ZrcefCiN7378D08T0INQIxqijuraXVLOuzw58do
Input parameters	

Parameter Name	Type	Mandatory	Description
StatusTime	Datetime	No	Data format if passing value "dd-MMM-yyyy HH:mm:ss"
TcfNumber	String	No	Driver Traffic code number
CnNumber	String	No	Company Trade License Number
EidNo	String	No	Driver Emirates ID
PermitNo	String	No	Driver Permit Number

| Payload Example | ```
{
    "PermitNo" : "",
    "EidNo" : "",
    "CnNumber":"",
    "TcfNumber":"1080194576",
    "StatusTime": null
}
``` |
| Note | If all parameters are passed without value, then system will provide only driver list updated within 24 hour. |
| Output Details | Success:<br>```
{
    "Drivers": [
        {
            "PermitNumber": "381",
            "PermitType": "L1",
            "PermitIssueDate": "25/12/2008",
            "PermitExpiryDate": "09/02/2025",
            "PermitRenewDate": "09/02/2023",
            "OperatorType": "Private hire car",
            "OperatorInfo": {
``` |

```
                    "CNNumber": "CN-1763431",
                    "Name": " FOR LUXURY PASSENGER CARS L.L.C.",
                    "NameAr": "رويال سمارت ليموزين لنقل الركاب بالسيارات الفخمه  ذ.م.م",
                    "TCFNumber": "115009786",
                    "ExpiryDate": "27/05/2016",
                    "EmiratesIDNo": ""
                },
                "EmiratesIDNo": "784-1988-1677183-7",
                "EmiratesIDExiryDate": "16/01/2025",
                "DriverName": "HARUNASHID",
                "DateofBirth": "25/02/1975",
                "Nationality": "Bangladesh",
                "LicenseNumber": "78578",
                "LicenseIssuePlace": "Abu Dhabi",
                "LicenseExpiryDate": "15/09/2023",
                "TCFNumber": "1080194576",
                "PermitStatus": "Active",
                "IsEligibleForTrip": "Yes",
                "LastStatusDate": "2023-02-13T14:00:09.147",
                "Remarks": "Active"
            }
        ],
        "Valid": true,
        "ResponseMessage": ""
}
```

Failure:

```
        {
          " Drivers ": [],
          "Valid": false,
          "ResponseMessage": error message
        }
```

Save Trip Details

URL	https://lesstg.itc.gov.ae/external_service/operator/saveTripDetails (This is a dummy URL, Actual URL will be provided at later stage.)
Method	[HttpPost]
Details	In Header Needs to Pass received Token Example: Authorization: Bearer eyJhbGciOiJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGRzaWctbW9yZSNobWFjLXNoYTI1NiIsInR5cCI6IkpXVCJ9.eyJnaXZlbl9uYW1lIjoiT3BlcmF0b3IiLCJuYW1laWQiOiIzIiwidW5pcXVX25hbWUiOiI0NTc5IiwianRpIjoiRTM0Qzk5MUUtMTcxRC00RDA5LUI2RDktNTc4QzNENTTZBN0NGIiwiZXhwIjoxNjQyNTM1MjExLCJpc3MiOiJhY2NpbmdlLmNvbSIsImF1ZCI6Imdsb2JhbCJ9.vh07ZrcefCiN7378D08T0lNQIxqijuraXVLOuzw58do

Input parameters					
	Parameter Name	**Type**	**Condition**	**Mandatory**	**Description**
	TransactionType	string	New or Update	Yes	
	BatchId	string		No	Empty String if no data
	VehiclePermitNumber	string		Yes	Vehicle Permit Number or Vehicle plate details One of them is mandatory (Recommended Permit Number)
	PlateNumber	string		Yes	
	PlateCode	string		Yes	
	PlateSource	string		Yes	
	CustomerVehicleType	string	Customer Car Type (Type of Service from Operator)	Yes	
	DriverPermitNumber	string		Yes	Driver Permit Number /Driver ID info, one of it is Mandatory (Recommended Permit Number)
	EmiratesIDNumber	string		Yes	
	LicenseNumber	string		Yes	
	LicenseIssuePlace	string		Yes	
	CustomerName	string		No	
	CustomerMobileNumber	string		No	
	CustomerEmailId	string		No	
	TripId	string		Yes	

	TripType	string	(TRANSFER / CHAUFFEUR / WALKIN, any other)	Yes	
	BookingId	string		Yes	
	PickupTime	Datetime		Yes	dd-MMM-yyyy HH:mm:ss
	PickupLocation	string		Yes	GPS Location Coordinates (Latitude, Longitude)
	DropOffLocation	string		Yes	GPS Location Coordinates (Latitude, Longitude)
	PickupLocationDescription	string		Yes	Pickup Location Description
	DropOffLocationDescription	string			Pickup Location Description
	Duration	string		Yes	Value in minutes
	Distance	string		Yes	Value in kilometer
	BaseFare	float	0.00		Fare without other additions (like toll tips etc.)
	DiscountAmount	float	0.00	Yes	0 as default
	TotalAmount	float	0.00	Yes	
	TipsAmount	float	null	No	
	TollFee	float	null	No	
	Extras	float	null	No	
	OnContract	int	0	YES	(1/0)
	ContractProviderName	string		No	IF OnContact = 1 then mandatory
	PaymentMode	string	Cash/Card	Yes	
	VehicleType	string	(AV, UAENATIONAL, PHC)	NO	
	Text1	string		NO	
	Text2	string		NO	
	Text3	string		NO	
	Text4	string		NO	
	Decimal1	float		NO	
	Decimal2	float		NO	

| Example | <pre>{
  "TransactionType": "New",
  "BatchId": "",
  "VehiclePermitNumber": "45011",
  "PlateNumber": "4564",
  "PlateCode": "7",
  "PlateSource": "Abu Dhabi",
  "CustomerVehicleType": "",
  "DriverPermitNumber": "45614",
  "EmiratesIDNumber": "",
  "LicenseNumber": "",
  "LicenseIssuePlace": "",
  "CustomerName": "jan arnold",
  "CustomerMobileNumber": "97155250401",
  "CustomerEmailId": "lyd@ang@com",
  "TripId": "134567",
  "TripType": "WALKIN",
  "BookingId": "",
  "PickupTime": "01-JAN-2022 11:10:10",
  "PickupLocation": "25.2732083,55.3694757 ",
  "DropOffLocation": "25.2732083,55.3694757 ",
  "PickupLocationDescription": "Madinat Zaid",
  "DropOffLocationDescription": "Electra St",
  "Duration": "10",
  "Distance": "5",
  "BaseFare": 0.00,
  "DiscountAmount": 0.00,
  "TotalAmount": 0.00,
  "TipsAmount": null,
  "TollFee": null,
  "Extras": null,
  "OnContract": 1,
  "ContractProviderName": "Abudhabi National Hotels",
  "PaymentMode": "CASH",
  "VehicleType": "AV",
  "Text1": "",
  "Text2": "",
  "Text3": "",
  "Text4": "",
  "Decimal1": 0.00
  "Decimal2": 0.00,
}</pre> |
| Output Details | Success:
{ |

	"StatusId": 1,
	"StatusCode": "Success",
	"StatusMessage": "Data written to server"
	}
	
	Failure:
	
	{
	"StatusId": -1,
	"StatusCode": "Error",
	"StatusMessage": Error Message
	}