



İETT

İŞLETMELERİ GENEL MÜDÜRLÜĞÜ

Web Service Usage Document

Big Data and Business Intelligence Directorate

V.1.3.

1. PURPOSE

This document; It has been prepared with the aim of sharing information about web services developed by the General Directorate of IETT Enterprises, Big Data and Business Intelligence Directorate.

2. SCOPE

It covers all web services developed by the Big Data and Business Intelligence Directorate. The document contains web services, method usage information and method return information.

3. GENERAL INFORMATION ABOUT USING THE SERVICES

The web services developed within the scope of this project are provided to return as JSON or XML objects.

The date types used in the services should be sent according to the following two format types, unless otherwise stated;

Short Date Format: yyyy-MM-dd (Ex: 2018-01-12)

Long Date Format: yyyy-MM-dd HH:mm:ss (Ex: 2018-01-12 22:15:03)

4. TRANSPORTATION MAIN DATA WEB SERVICES

4.1. Line-Stop-Route Web Service

"Garage" and "Stop" information is shared with this web service.

4.1.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/UlasimAnaVeri/HatDurakGuzergah.asmx?wsdl |
|-----|---|

4.1.2. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|---------------|----------------|---------|-----------|---|
| GetDurak_XML | DurakKodu | String | Optional | If the Stop Code Parameter is blank, it will return the entire stop list. |
| GetDurak_json | DurakKodu | String | Optional | If the Stop Code Parameter is blank, it will return the entire stop list. |
| GetGaraj_XML | - | - | - | All Garage List. |
| GetGaraj_json | - | - | - | All Garage List. |

4.1.3. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|---------------|-----------------|---------|---|------|
| GetDurak_XML | SDURAKKODU | String | Contains Stop Code information. It is a unique field. | XML |
| | SDURAKADI | String | It contains the station name information. | |
| | KOORDINAT | String | It contains the X-Y coordinate information of the stop. | |
| | ILCEADI | String | District Information | |
| | SYON | String | direction | |
| | AKILLI | String | Is Stop Smart? | |
| | FIZIKI | String | Physical Condition of the Station | |
| | DURAK_TIPI | String | Stop Type | |
| | ENGELLIKULLANIM | String | Disability of the stop | |
| GetDurak_json | SDURAKKODU | String | Contains Stop Code information. It is a unique field. | JSON |
| | SDURAKADI | String | It contains the station name information. | |
| | KOORDINAT | String | It contains the X-Y coordinate information of the stop. | |
| | ILCEADI | String | District Information | |
| | SYON | String | direction | |
| | AKILLI | String | Is Stop Smart? | |
| | FIZIKI | String | Physical Condition of the Station | |
| | DURAK_TIPI | String | Stop Type | |
| | ENGELLIKULLANIM | String | Disability of the stop | |
| GetGaraj_XML | ID | String | Garage ID | XML |
| | GARAJ_ADI | String | Garage Name | |
| | GARAJ_KODU | String | Garage Shortcode | |
| | KOORDINAT | String | Garage Coordinate | |
| GetGaraj_json | ID | String | Garage ID | JSON |
| | GARAJ_ADI | String | Garage Name | |
| | GARAJ_KODU | String | Garage Shortcode | |
| | KOORDINAT | String | Garage Coordinate | |

5. TRANSPORTATION DYNAMIC DATA WEB SERVICES

5.1. Announcements Web Service

Instant announcement information of the line is shared with this web service.

5.1.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/UlasimDinamikVeri/Duyurular.aspx?wsdl |
|-----|---|

5.1.2. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|-------------------|----------------|---------|-----------|---|
| GetDuyurular_XML | - | - | - | It will return announcements about voyages. |
| GetDuyurular_json | - | - | - | It will return announcements about voyages. |

5.1.3. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|-------------------|----------------------|---------|--|------|
| GetDuyurular_XML | HAT | String | Contains Line Code information. 'Journal', 'Diary' etc. contains information | XML |
| | TIP | String | Indicates the time the announcement was updated. | |
| | GUNCELLEME_SA ATI | String | Contains the text of the announcement. | |
| | MESAJ | String | Contains Line Code information. | |
| GetDuyurular_json | HAT | String | 'Journal', 'Diary' etc. contains information | JSON |
| | TIP | String | Indicates the time the announcement was updated. | |
| | GUNCELLEME_SA ATI | String | Contains the text of the announcement. | |
| | MESAJ | String | Contains Line Code information. 'Journal', 'Diary' etc. contains information | |

6. FLEET MANAGEMENT DATA WEB SERVICES

6.1. Expedition Realization Web Service

With this web service, the instantaneous voyage rates of the vehicle are shared. A maximum of 100 requests can be sent to this service in an hour.

6.1.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/FiloDurum/SeferGerceklesme.asmx?wsdl |
|-----|---|

6.1.2. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|-----------------------|----------------|---------|-----------|---|
| GetFiloAracKonum_json | - | String | - | The service prepared by Akyolbil is included. |

| | | | | |
|----------------------|-------|--------|-----------|---|
| GetBozukSatih_XML | - | - | - | The vehicle contains bad road information of the driver personnel on the PC. Contains daily messages. |
| GetBozukSatih_json | - | - | - | |
| GetHatOtoKonum_json | HatNo | String | Necessary | It returns the Vehicle Positions on a Line Basis. |
| GetKazaLokasyon_XML | Tarih | string | Necessary | Input Date parameter should be given as yyyy-MM-dd. |
| GetKazaLokasyon_json | Tarih | string | Necessary | |

| Method Name | Parameter Name | P. Type | P. Status | Type |
|-----------------------|--|--|--|------|
| GetFiloAracKonum_json | Operator Garaj KapiNo Saat Boylam Enlem Hiz Plaka | | Operator information, Garage information, Door number, Time, Longitude, Latitude, Speed, Plate information includes. | JSON |
| GetBozukSatih_XML | NMESAJID | int | Message Id | XML |
| | SKAPINUMARASI | string | Vehicle door number that sent the message | |
| | SSOFORSICILNO | string | Message Sender driver registration number | |
| | SMESAJMETNI | string | Automatic message text | |
| | DTKAYITZAMANI | datetime | Date of registration | |
| | NBOYLAM | float | Longitude | |
| | NENLEM | float | Latitude | |
| GetBozukSatih_json | NMESAJID | int | Message Id | JSON |
| | SKAPINUMARASI | string | Vehicle door number that sent the message | |
| | SSOFORSICILNO | string | Driver registration number that sent the message | |
| | SMESAJMETNI | string | Automatic message text | |
| | DTKAYITZAMANI | datetime | Date of registration | |
| | NBOYLAM | float | Longitude | |
| | NENLEM | float | Latitude | |
| GetHatOtoKonum_json | kapino boylam enlem hatkodu guzergahkodu hatad yon son_konum_zamani yakindurakKodu | String String String String String String String String String | Vehicle Door Number Longitude Latitude Line Code Route of the Line Line Name Direction of Line Vehicle Last Position Time Near Stop Code by Coordinate | JSON |
| GetKazaLokasyon_XML | DTOLAYBASLANGICZAMANI | Date | Accident Date | XML |
| | NBOYLAM | Decimal | Longitude | |
| | NENLEM | Decimal | Latitude | |
| | Tur | String | Default Accident | |
| GetKazaLokasyon_json | DTOLAYBASLANGICZAMANI | Date | Accident Date | JSON |
| | NBOYLAM | Decimal | Longitude | |
| | NENLEM | Decimal | Latitude | |
| | Tur | String | Default Accident | |

7. Ibb Web Service

It contains the data needed for the IMM CRM Application.

7.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/ibb/ibb.asmx?wsdl |
|-----|---|

7.1.1. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|----------------|----------------|---------|-----------|-------------|
| DurakDetay_GYY | hat_kodu | string | - | - |
| HatServisi_GYY | hat_kodu | String | - | - |

7.1.2. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|----------------|-----------------|---------|--|------|
| DurakDetay_GYY | HATKODU | String | It contains the code of the line, the direction information of the line, the sequence number of the line, the station code, the name of the station, the latitude, the longitude, the type of the stop, the business region, the sub-region of the business, the name of the district. | XML |
| | YON | String | | |
| | SIRANO | String | | |
| | DURAKKODU | String | | |
| | DURAKADI | String | | |
| | XKOORDINATI | String | | |
| | YKOORDINATI | String | | |
| | DURAKTIPI | String | | |
| | ISLETMEBOLGE | String | | |
| | ISLETMEALTBOLGE | String | | |
| ILCEADI | String | | | |
| HatServisi_GYY | HAT_KODU | String | Line code, Line name, Line full name, Line status, information. | XML |
| | HAT_ADI | String | | |
| | TAM_HAT_ADI | String | | |
| | HAT_DURUMU | String | | |

8. Scheduled Time Web Service

With this web service, the main stop departure time data of a line is shared.

8.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/UlasimAnaVeri/PlanlananSeferSaati.asmx?wsdl |
|-----|---|

8.1.1. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|------------------------------------|----------------|---------|-----------|---|
| <u>GetPlanlananSeferSaati XML</u> | HatKodu | String | Necessary | It will return the scheduled service times of the line. |
| <u>GetPlanlananSeferSaati json</u> | HatKodu | String | Necessary | It will return the scheduled service times of the line. |

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

8.1.2. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|------------------------------------|----------------|---------|---|------|
| <u>GetPlanlananSeferSaati XML</u> | SHATKODU | String | Contains line code information. | XML |
| | HATADI | String | Contains line name information. | |
| | SGUZERGAH | String | Contains route code information. | |
| | SYON | String | It contains Departure(G)-Return(D) information. | |
| | SGUNTIPI | String | It contains day type information such as Business Day(I), Saturday(C), Sunday(P). | |
| | DT | String | Contains time information. | |
| <u>GetPlanlananSeferSaati json</u> | SHATKODU | String | Contains line code information. | JSON |
| | HATADI | String | Contains line name information. | |
| | SGUZERGAH | String | Contains route code information. | |
| | SYON | String | It contains Departure(G)-Return(D) information. | |
| | SGUNTIPI | String | It contains | |

| | | | |
|--|----|--------|--|
| | | | weekday (I), Saturday (C), Sunday (P) day type information. |
| | DT | String | Contains time information. |

9. Vehicle Properties Web Service

With this web service, the total amount of fuel consumed by IETT vehicles on a liter basis is shared.

9.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/AracAnaVeri/AracOzellik.asmx?wsdl |
|-----|---|

9.1.1. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|------------------------------|----------------|---------|-----------|---|
| GetAkarYakitToplamLitre_XML | Yil | int | Necessary | Parameters are required to be entered mandatory. Data before 2019 does not return from the service. |
| | Ay | int | Necessary | |
| GetAkarYakitToplamLitre_json | Yil | int | Necessary | Parameters are required to be entered mandatory. Data before 2019 does not return from the service. |
| | Ay | int | Necessary | |

9.1.2. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|-----------------------------|-----------------|---------|---|------|
| | Adi | String | Contains property definition information Contains Quantity Information | |
| | Miktar | String | Total Fuel (Liters) | |
| GetAkarYakitToplamLitre_XML | ToplamAkarYakit | Decimal | Desired Month | XML |

| | | | | |
|------------------------------|-----------------|---------|--|------|
| | Ay | Int | Desired Year | |
| | Yil | int | Total Fuel (Liters) | |
| GetAkarYakitToplamLitre_json | ToplamAkarYakit | Decimal | Desired Month | JSON |
| | Ay | Int | Desired Year | |
| | Yil | int | Contains property definition information | |

10. VEHICLE MAIN DATA WEB SERVICES

10.1. İBB 360 Web Service

It contains the data needed for the İBB 360 Application.

10.1.1. Web Service Address:

| | |
|-----|---|
| URL | https://api.ibb.gov.tr/iett/ibb/ibb360.asmx?wsdl |
|-----|---|

10.1.2. Method Parameter List(REQUEST)

| Method Name | Parameter Name | P. Type | P. Status | Description |
|-------------------------|----------------|---------|-----------|--|
| GetlettArsivGorev_XML | Tarih | string | Necessary | Date Format: yyyyMMdd Example Date: 20190528 |
| GetlettArsivGorev_json | Tarih | String | Necessary | |
| GetlettYolculukHat_XML | Tarih | String | Necessary | Date Format: It should be given as yyyy-MM-dd. (Returns the data of 50 Lines with the most trips) |
| GetlettYolculukHat_Json | Tarih | String | Necessary | |

10.1.3. Method Return List(RESPONSE)

| Method Name | Parameter Name | P. Type | P. Status | Type |
|-----------------------|-----------------|----------|----------------------------------|------|
| GetlettArsivGorev_XML | NARSIVGOREVID | Int | Uniq Key ID | XML |
| | NKAYITGUNU | String | Trading Day | |
| | SHATKODU | String | Line Code | |
| | SGUZERGAHKODU | String | Even Running Route Code | |
| | SKAPINUMARA | String | Vehicle Door Number | |
| | DTBASLAMAZAMANI | DateTime | When the Vehicle Started to Work | |
| | DTBITISZAMANI | DateTime | When the Vehicle Ends the Task | |

| | | | | |
|-------------------------|-----------------|----------|---|------|
| | SGOREVDURUM | String | Mission Status | |
| GetlettArsivGorev_json | NARSIVGOREVID | String | Uniq Key ID | JSON |
| | NKAYITGUNU | String | Trading Day | |
| | SHATKODU | String | Line Code | |
| | SGUZERGAHKODU | String | Even Running Route Code | |
| | SKAPINUMARA | String | Vehicle Door Number | |
| | DTBASLAMAZAMANI | String | When the Vehicle Started to Work | |
| | DTBITISZAMANI | String | When the Vehicle Ends the Task | |
| | SGOREVDURUM | String | Mission Status | |
| GetlettYolculukHat_XML | Gun | Datetime | Indicates the date of the retrieved data | XML |
| | Hat | String | line number | |
| | Yolculuk | int | Number of trips on that line at that time | |
| GetlettYolculukHat_json | Gun | Datetime | Indicates the date of the retrieved data | JSON |
| | Hat | String | line number | |
| | Yolculuk | int | Number of trips on that line at that time | |