



İETT

İŞLETMELERİ GENEL MÜDÜRLÜĞÜ

Web Service Usage Document

Big Data and Business Intelligence Directorate

V.1.4.

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", "Stop" and "Line" information is shared with this web service.

4.1.1. Web Service Address:

URL	https://api.ibb.gov.tr/iETT/UlasimAnaVeri/HatDurakGuzergah.asmx?wsdl
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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.
GetHat_XML	HatKodu	String	Opsiyonel	If the Line Code Parameter is blank, it will return the entire line list.
GetHat_json	HatKodu	String	Opsiyonel	If the Line Code Parameter is blank, it will return the entire line 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	
GetHat_XML	SHATKODU	String	Line Code information includes	XML
	SHATADI	String	Line Name information Contains.	
	TARIFE	String	Contains tariff information.	
	HAT_UZUNLUGU	String	Length of line	
	SEFER_SURESI	String	Expedition Duration	
GetHat_json	SHATKODU	String	Line Code information includes	JSON
	SHATADI	String	Line Name information Contains.	
	TARIFE	String	Contains tariff information.	
	HAT_UZUNLUGU	String	Length of line	
	SEFER_SURESI	String	Expedition Duration	

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.asmx?wsdl
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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
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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.
GetBozukSatih_json	-	-	-	Contains daily messages.
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	

6.1.3. Method Return List(RESPONSE)

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	String	Vehicle Door Number	JSON
	boylam	String	Longitude	
	enlem	String	Latitude	
	hatkodu	String	Line Code	
	guzergahkodu	String	Route of the Line	
	hatad	String	Line Name	
	yon	String	Direction of Line	
	son_konum_zamani	String	Vehicle Last Position Time	
	yakinDurakKodu	String	Near Stop Code by Coordinate	
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
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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
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8.1.1. Method Parameter List(REQUEST)

Method Name	Parameter Name	P. Type	P. Status	Description
GetPlanlananSeferSaati_XML	HatKodu	String	Necessary	It will return the scheduled service times of the line.
GetPlanlananSeferSaati_json	HatKodu	String	Necessary	It will return the scheduled service times of the line.

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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
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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
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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	