

API

Utility Billing Service Requests

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Devices

List Devices

Lists all devices for a specific type and route.

```
GET /api/UBServiceRequests/Devices/?kind=&route=&sequence=&page=&resultsPerPage=
```

Parameters

Name	Type	Description
kind	enum	The type of the device to list (optional).
		1 - Backflow
		2 - Cable Box
		3 - Electric
		4 - Gas
		5 - Modem
		6 - Transformer
		7 - Water
route	string	The route number of the device (optional).

sequence	string	The sequence number of the device (optional).
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```

Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

{
  "Active": "1",
  "DeviceTypeIdentity":
  {
    "Kind": "2",
    "Manufacturer": "Sensus 1.0",
    "Model": "Demand10",
    "UBDeviceTypeId": "2315b748-b0cf-4ae8-a84d-c464de8f91b7",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
DeviceType&recordId=2315b748-b0cf-4ae8-a84d-c464de8f91b7"
  },
  "Identity":
  {
    "Route": "1010",
    "Sequence": "00072",
    "SerialNumber": "3421321",
    "UBDeviceId": "c57309c8-1e6c-447f-8780-026fe1d15f84",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
Device&recordId=c57309c8-1e6c-447f-8780-026fe1d15f84"
  },
  "Location": "Behind the shed.",
  "LotIdentity":
  {
    "LotId": "11b9c9b9-846e-482f-b61e-91602f5f3ce2",
    "LotNo": "5004",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=SS
Lot&recordId=11b9c9b9-846e-482f-b61e-91602f5f3ce2"
  }
  "InventoryStatus": "4",
  "MostRecentReading":
  {
    "Consumption": "898.00000",
    "New": "0",
    "ReadDate": "2015-01-30",
    "Reading": "59072.00000"
  }
  "Notes": "This is a 2 inch meter.",
  "MxuId": "0002525010",
  "RegisterId": "66209419"
}

```

Gets a specific device.

```
GET /api/UBServiceRequests/Devices/{id}/
```

Parameters

Name	Type	Description
id	string	The unique identifier for the device.

Response

Status: 200 OK

```
{
  "Active": "1",
  "DeviceTypeIdentity":
  {
    "Kind": "2",
    "Manufacturer": "Sensus 1.0",
    "Model": "Demand10",
    "UBDeviceTypeId": "2315b748-b0cf-4ae8-a84d-c464de8f91b7",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
DeviceType&recordId=2315b748-b0cf-4ae8-a84d-c464de8f91b7"
  },
  "Identity":
  {
    "Route": "1010",
    "Sequence": "00072",
    "SerialNumber": "3421321",
    "UBDeviceId": "c57309c8-1e6c-447f-8780-026fe1d15f84",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
Device&recordId=c57309c8-1e6c-447f-8780-026fe1d15f84"
  },
  "Location": "Behind the shed.",
  "LotIdentity":
  {
    "LotId": "11b9c9b9-846e-482f-b61e-91602f5f3ce2",
    "LotNo": "5004",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=SS
Lot&recordId=11b9c9b9-846e-482f-b61e-91602f5f3ce2"
  }
  "InventoryStatus": "4",
  "MostRecentReading":
  {
    "Consumption": "898.00000",
    "New": "0",
    "ReadDate": "2015-01-30",
    "Reading": "59072.00000"
  }
  "Notes": "This is a 2 inch meter.",
  "MxuId": "0002525010",
  "RegisterId": "66209419"
}
```

Creates a new device for a specific type and route.

POST /api/UBServiceRequests/Devices

Input

Name	Type	Description
Active	bool	True if the device is active.
InventoryStatus	enum	The inventory status of the device.
		0 - None
		1 - Inventory
		2 - Testing
		3 - Repair
		4 - Pending
		5 - Truck
		6 - Installed
Notes	string	Any notes to put on the device.
Mxuld	string	The MXU ID of the device.
RegisterId	string	The Register ID of the device.
SerialNumber	string	The serial number of the device.
UBDeviceTypeId	string	The unique identifier of the device type that will be associated with this device.

Response

```
Status: 201 Created
Location: https://accessgovernment.net/api/UBServiceRequests/Devices/c57309c8-1e6c-447f-8780-026fe1d15f84
```

Updates an existing device.

```
PUT /api/UBServiceRequests/Devices/{id}/
```

Parameters

Name	Type	Description
id	string	The unique identifier for the device.

Input

Name	Type	Description
Active	bool	True if the device is active.
InventoryStatus	enum	The inventory status of the device.
		0 - None
		1 - Inventory
		2 - Testing
		3 - Repair
		4 - Pending
		5 - Truck
		6 - Installed
Notes	string	Any notes to put on the device.
Mxuld	string	The MXU ID of the device.
RegisterId	string	The Register ID of the device.
UBDeviceTypeId	string	The unique identifier of the device type that will be associated with this device.

Response

```
Status: 204 No Content
```

Deletes an existing device.

```
DELETE /api/UBServiceRequests/Devices/{id}/
```

Parameters

Name	Type	Description
id	string	The unique identifier for the device.

Response

Status: 204 No Content

Device Types

List Device Types

Lists all device types.

```
GET /api/UBServiceRequests/DeviceTypes/{kind}/?manufacturer=&page=&resultsPerPage=
```

Parameters

Name	Type	Description
kind	enum	The kind of device type to retrieve.
		1 - Backflow
		2 - Cablebox
		3 - Electric
		4 - Gas
		5 - Modem
		6 - Transformer
		7 - Water
manufacturer	string	The manufacturer to retrieve.
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response


```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[
  {
    "ConsumptionFactor":1.0000,
    "Identity":
    {
      "Kind":2,
      "Manufacturer":"Sensus 1.0",
      "Model":"Demand10",
      "UBDeviceTypeId":"B7A46654-4B19-4147-83DD-72E5EDAC7F90",
      "Url":"https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
DeviceType&recordId=B7A46654-4B19-4147-83DD-72E5EDAC7F90"
    },
    "ReadingFactor":1.0000,
    "Size":"1 1/2"
  }
]
```

Routes

List Routes

Lists all routes.

```
GET /api/UBServiceRequests/Routes/?page=&resultsPerPage=
```

Parameters

Name	Type	Description
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[
  {
    "Description": "Cycle 001",
    "Number": "01"
  }
]
```

Service Request Codes

List Service Request Codes

Lists all service request codes.

```
GET /api/UBServiceRequests/Codes/?page=&resultsPerPage=
```

Parameters

Name	Type	Description
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[ {
  "Code": "AE",
  "DefaultDeviceType": {
    "Kind": 2,
    "Manufacturer": "Sensus 1.0",
    "Model": "Demand10",
    "UBDeviceTypeId": "B7A46654-4B19-4147-83DD-72E5EDAC7F90",
    "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UB
DeviceType&recordId=B7A46654-4B19-4147-83DD-72E5EDAC7F90"
  }
  "Description": "Add Electric",
  "Type": 1
} ]
```

Type

Name	Type	Description
Type	enum	The type of service to perform.
		0 - None
		1 - Add Device
		2 - Changeout Device
		3 - Final Account

		4 - New Account
		5 - Read Device
		6 - Remove Device
		7 - Show Device

Service Request Statuses

List Service Request Statuses

Lists all service request statuses.

```
GET /api/UBServiceRequests/Statuses/?page=&resultsPerPage=
```

Parameters

Name	Type	Description
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[
  {
    "Code": "Active",
    "Description": "Service request is active."
  },
  {
    "Code": "Cancel",
    "Description": "Service request has been canceled."
  },
  {
    "Code": "Closed",
    "Description": "Service request is closed."
  },
  {
    "Code": "Void",
    "Description": "Service request has been voided."
  }
]
```

Service Requests

List Service Requests by Code

Lists all service requests for a specific service request code.

```
GET /api/UBServiceRequests/ByCode/{code}/?page=&resultsPerPage=
```

Parameters

Name	Type	Description
code	string	The service request code of the request.
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```

Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[
  {
    "AccountIdentity":{
      "CustomerNumber":2,
      "CustomerSequence":0,
      "UBMasterId":"9be80460-2854-4a36-a60e-820bfe1220f7",
      "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=UBAccount&recordId=9be80460-2854-4a36-a60e-820bfe1220f7"
    },
    "Code":"Show",
    "Committed":false,
    "Identity":{
      "Month":4,
      "Sequence":1,
      "UBServiceRequestId":"aa4f8866-8220-4a18-8e99-3e6476e62f69",
      "Year":2014,
      "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=UBServiceRequest&recordId=aa4f8866-8220-4a18-8e99-3e6476e62f69"
    },
    "LotIdentity":{
      "LotId":"7606d5c8-240d-4e66-ac67-897e84c9ec31",
      "LotNo":10,
      "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=SSLot&recordId=7606d5c8-240d-4e66-ac67-897e84c9ec31"
    },
    "RequestDate":"2014-04-23T00:00:00",
    "RequestDescription":"Add Backflow",
    "ServiceDate":"2014-04-29T00:00:00",
    "Status":"Closed",
    "WorkPerformed":"Installed on time."
  }
]

```

List Service Requests by Month

Lists all service requests for a specific month.

```
GET /api/UBServiceRequests/{year}/{month}/?page=&resultsPerPage=
```

Parameters

Name	Type	Description
year	number	The year the service request was created.
month	number	The month the service request was created.

page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[ {
  "AccountIdentity": {
    "CustomerNumber": 2,
    "CustomerSequence": 0,
    "UBMasterId": "9be80460-2854-4a36-a60e-820bfe1220f7",
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=UBAccount&recordId=9be80460-2854-4a36-a60e-820bfe1220f7"
  },
  "Code": "Show",
  "Committed": false,
  "Identity": {
    "Month": 4,
    "Sequence": 1,
    "UBServiceRequestId": "aa4f8866-8220-4a18-8e99-3e6476e62f69",
    "Year": 2014,
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=UBServiceRequest&recordId=aa4f8866-8220-4a18-8e99-3e6476e62f69"
  },
  "LotIdentity": {
    "LotId": "7606d5c8-240d-4e66-ac67-897e84c9ec31",
    "LotNo": 10,
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=SSLot&recordId=7606d5c8-240d-4e66-ac67-897e84c9ec31"
  },
  "RequestDate": "2014-04-23T00:00:00",
  "RequestDescription": "Add Backflow",
  "ServiceDate": "2014-04-29T00:00:00",
  "Status": "Closed",
  "WorkPerformed": "Installed on time."
} ]
```

List Service Requests by Status

Lists all service requests for a specific status.

```
GET /api/UBServiceRequests/ByStatus/{status}?page=&resultsPerPage=
```

Parameters

Name	Type	Description
status	string	The status of the service request.
page	number	The zero-based page number to retrieve.
resultsPerPage	number	The total number of results to retrieve in a page.

Response

```
Status: 200 OK
Link: <https://accessgovernment.net/resource?page=2>; rel="next",
      <https://accessgovernment.net/resource?page=5>; rel="last"

[ {
  "AccountIdentity": {
    "CustomerNumber": 2,
    "CustomerSequence": 0,
    "UBMasterId": "9be80460-2854-4a36-a60e-820bfe1220f7",
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=UBAccount&recordId=9be80460-2854-4a36-a60e-820bfe1220f7"
  },
  "Code": "Show",
  "Committed": false,
  "Identity": {
    "Month": 4,
    "Sequence": 1,
    "UBServiceRequestId": "aa4f8866-8220-4a18-8e99-3e6476e62f69",
    "Year": 2014,
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=UBServiceRequest&recordId=aa4f8866-8220-4a18-8e99-3e6476e62f69"
  },
  "LotIdentity": {
    "LotId": "7606d5c8-240d-4e66-ac67-897e84c9ec31",
    "LotNo": 10,
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=SSLot&recordId=7606d5c8-240d-4e66-ac67-897e84c9ec31"
  },
  "RequestDate": "2014-04-23T00:00:00",
  "RequestDescription": "Add Backflow",
  "ServiceDate": "2014-04-29T00:00:00",
  "Status": "Closed",
  "WorkPerformed": "Installed on time."
} ]
```

Get a single service request

```
GET /api/UBServiceRequests/Requests/{id}
```

Parameters

Name	Type	Description
id	string	The unique identifier for the service request.

Response

Status: 200 OK

```
{
  "AccountIdentity":{
    "CustomerNumber":2,
    "CustomerSequence":0,
    "UBMasterId":"9be80460-2854-4a36-a60e-820bfe1220f7",
    "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=UBAccount&recordId=9be80460-2854-4a36-a60e-820bfe1220f7"
  },
  "Code":"Show",
  "Committed":false,
  "Identity":{
    "Month":4,
    "Sequence":1,
    "UBServiceRequestId":"aa4f8866-8220-4a18-8e99-3e6476e62f69",
    "Year":2014,
    "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=UBServiceRequest&recordId=aa4f8866-8220-4a18-8e99-3e6476e62f69"
  },
  "LotIdentity":{
    "LotId":"7606d5c8-240d-4e66-ac67-897e84c9ec31",
    "LotNo":10,
    "Url":"https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Objec
t&object=SSLot&recordId=7606d5c8-240d-4e66-ac67-897e84c9ec31"
  },
  "RequestDate":"2014-04-23T00:00:00",
  "RequestDescription":"Add Backflow",
  "ServiceDate":"2014-04-29T00:00:00",
  "Status":"Closed",
  "WorkPerformed":"Installed on time."
}
```

Create a service request

POST /api/UBServiceRequests/Requests

Input

Name	Type	Description
------	------	-------------

Code	string	Required The function for the service request.
LotId	string	Required The unique identifier for the lot the service request will be performed at.
Status	string	Required The status that the service request is in.
RequestDate	date	The date that the service was requested.
RequestDescription	string	The description for the service to be performed.
ServiceDate	date	The date that the service was performed.
WorkPerformed	string	The work that was performed to fulfill the service request.

Response

Status: 201 Created

Location: <https://accessgovernment.net/api/UBServiceRequests/Requests/0ad2d46f-34bb-4f34-a484-4964968560a4>

Edit a service request

PUT /api/UBServiceRequests/Requests/{id}

Parameters

Name	Type	Description
id	string	The unique identifier for the service request.

Input

Name	Type	Description
Code	string	Required The function for the service request.
LotId	string	Required The unique identifier for the lot the service request will be performed at.
Status	string	Required The status that the service request is in.
RequestDate	date	The date that the service was requested.
RequestDescription	string	The description for the service to be performed.
ServiceDate	date	The date that the service was performed.

WorkPerformed	string	The work that was performed to fulfill the service request.
---------------	--------	---

Response

Status: 204 No Content

Delete a service request

DELETE /api/UBServiceRequests/Requests/{id}

Parameters

Name	Type	Description
id	string	The unique identifier for the service request.

Response

Status: 204 No Content

Service Request Details

Get a service request's details.

GET /api/UBServiceRequests/Requests/{id}/Details

Parameters

Name	Type	Description
id	string	The unique identifier for the service request.

Response

```

Status: 200 OK

{
  "Details": [
    {
      "Consumption": 21.17,
      "DeviceIdentity": {
        "Route": "1010",
        "Sequence": "00072",
        "SerialNumber": "3421321",
        "UBDeviceId": "c57309c8-1e6c-447f-8780-026fe1d15f84",
        "Url": "https://login.springbrooksoftware.com/Deployment/1?action=Object&object=UBDevice&recordId=c57309c8-1e6c-447f-8780-026fe1d15f84"
      },
      "DialNumber": 1,
      "Latitude": "45.516927",
      "Location": "Behind the shed.",
      "Longitude": "-122.680657",
      "ReadDate": "2015-04-30T00:00:00",
      "ReaderInformation": "",
      "Reading": 1536.24,
      "ReadingDescription": 0
    }
  ],
  "ServiceRequestIdentity": {
    "Month": 4,
    "Sequence": 1,
    "UBServiceRequestId": "aa4f8866-8220-4a18-8e99-3e6476e62f69",
    "Year": 2014,
    "Url": "https://login.springbrooksoftware.com:443/Deployment/%7B0%7D?action=Object&object=UBServiceRequest&recordId=aa4f8866-8220-4a18-8e99-3e6476e62f69"
  }
}

```

Put a service request's details.

```
PUT /api/UBServiceRequests/Requests/{id}/Details
```

Notes The request body should be an array of items being updated.

Parameters

Name	Type	Description
id	string	The unique identifier for the service request.

Input

Name	Type	Description
------	------	-------------

RouteNumber	string	Required The route number the device is on. If this device is being installed, then this is the new route the device is being installed on.
SequenceNumber	string	Required The sequence number within the route the device is on.
UBDeviceId	string	Required The primary key to the device being modified.
ChangeoutDeviceId	string	The identifier for the device that is being changed out.
Consumption	number	The total consumption on the device since the last reading.
DialNumber	string	The individual dial on the device being read.
Latitude	string	The latitude coordinate where the device is located.
Location	string	The physical location of the device.
Longitude	string	The longitude coordinate where the device is located.
ReadDate	date	The date that the reading was taken.
ReaderInformation	string	The reader's information.
Reading	number	The reading that was recorded from the meter.
ReadingDescription	string	The description that will be recorded along with the reading.

Response

Status: 204 No Content

Overview

GIS

Inventory Control

Parking Ticket Synchronization

Utility Billing IVR

Utility Billing Service Requests

