FreedomConnect Admin Portal API Documentation

API access is over HTTPS

Security is JWT based

You will receive Http Responses

The {URL} in the details below should be set to:
api.qa.freedomtelematics.com   (for UAT)
api.freedomtelematics.com   (for PROD)

Version History
1.0.0   *Initial Release*
1.0.1   *Added user lock, note (add & pin), view scores*
1.0.2   *Added* compatibleDevices & obdLocation to policy endpoint. Login returns user details
1.0.3   *Added /portal/note:GET*
1.0.4   *4 reports added & masterUser added to user data returned from login*
1.0.5   *Added resend comms & get Admin Users*
1.0.6   *Resend comm changed to accept commType as string*
1.0.7   *Added view trip summaries & get individual trip*
1.0.8   *Added FNOL Report*
1.0.9   *Added view FNOL*
1.0.10   *Search accepts email*
          Fnol status update, fnol status list fetch, id & status added to fnol report,, cancel policy for unplug, cancel policy for no data,
update excessive speed event. chaseComm1DTM, chaseComm2DTM, reminderSNSDTM & cancelSNSDTM added to UnPlugged Report.
testPolicy added to all reports. Added No Data Report
1.0.11   Added waypoints to /portal/policy/trip
1.0.12   *Param deviceId changed to barcode for Cancel unplug & nodata. Added /portal/policy/excessive?eid=x GET. Risk Reports added*

Activation

When a new admin user is created, they will receive an email with a link to the portal activation page. The link will contain email and uuid as query params so the screen can be prefilled. The user then has to enter their chosen username and password.
Username cannot contain special characters

https://{URL}/user/activation   (PUT)

```
{
  "email": "some@one.com",
  "username": "myChosenUsername",
  "token": "myUUID",
  "password": "myChosenpassword"
}
```

Responses:
200 Success
```
{

        "token": "thetoken"

}
```

400 username contains special characters

401 Reason given in the body

406 User is already activated

409 Username already taken

Login (When the user doesn't have an access code yet)
This will email the user an Access Code that they enter (along with username/password again)

https://{URL}/user/session   (POST)

```
{
  "username": "myusername",
  "password": "mypassword"
}
```

Responses:
425 Too Early   (Indicates that the user has been sent an email containing their access code)

401 Invalid Login

423 Account Locked

Login (When user has an access code)

This will email the user an Access Code that they enter (along with username/password again). If the code is invalid then they must return to the first screen where they only send username/password again to receive a new access code via email

https://{URL}/user/session   (POST)

```
{
  "username": "myusername",
  "password": "mypassword",
  "accessCode: "my6char-accesscode"
}
```

Responses:
200 Success

Body
```
{

  "token": "thetoken",
  "user":{
    "forename":"Freedom",
    "surname":"Admin",
    "email":"user.name@freedomservicesgroup.co.uk",
    "unit":"Freedom Brokers",
    "master":true/false                    // true = User is Master User
  }

}
```

401 Invalid Login (*If the code is invalid then they must return to the first screen where they only send username/password again to receive a new access code via email*)

423 Account Locked

Logout
Invalidates the token

https://{URL}/user/session   (DELETE)

Responses:
200 Success

Search

Search for Policies

https://{URL}/portal/search   (POST)

```
{
   "searchParams": {
          "policyNo ": "123456",
          "forename": "john",
          "surname": "smi",
          "telNo": "07456321",
          "postcode": "AB1 1AB",
          "vrm": "ABC123",
          "email": "myemail@"
        }
}
```

Responses:
200 Success

```
{
   "token": "newtoken",
   "policies", [
          {"policyNo", 'PACLSKDJ126773',
            "forename": "John",
            "surname": "Doe",
            "username": "myusername",
            "vrm": "ABC123",
            "postcode": "AB1 1AB",
            "cancelled": false,
            "opid": 75
          }
 ]
}
```

401 UnAuthorised

400 Bad Request

Create Admin User
Allows an Admin user to create another Admin User

https://{URL}/user   (POST)

```
{
  "token": "newtoken",
  "email": "some@one.com",
  "firstName": "myFirstname",
  "surname": "mySurname",
  "unitId": 152,
  "underwriterId": 12,
  "deviceSupplierId": 1
}
```
Note: unitId, underwriterId & deviceSupplierId are XOR

Responses:

200 Success meaning that the new user has been created and the system will send an activation email

400 Various reasons given in the body

401 User does not have Authority to create the new User

Get Underwriters
Fetch a list of Underwriters that can be used in 'Create Admin User'
https://{URL}/portal/policy/underwriter   (GET)

Responses:
200
[{

      "underwriterId": 1,

      "name": "Pukka"

},

{

      "underwriterId": 2,

      "name": "MISL"

}]

400 Various reasons given in the body

401 User does not have Authority to view Underwriters so do not offer that option on the Create User screen

Get Business Units

Fetch a list of Business Units that can be used in 'Create Admin User'
https://{URL}/portal//unit/business 	(GET)

Responses:
200
```
[{

        "unitId": 4,

        "name": "Freedom Brokers"

}]
```
400 Various reasons given in the body

401 User does not have Authority to view Business Units

Get Device Suppliers

Fetch a list of Device Suppliers that can be used in 'Create Admin User'

https://{URL}/portal/device/supplier　　　　(GET)

Responses:
200
[{

　　　　"deviceSupplier Id": 1,

　　　　"deviceSupplier": "TrakM8"

}]

400 Various reasons given in the body

401 User does not have Authority to view Device Suppliers so do not offer that option on the Create User screen

Get Note Types

Fetch a list of Note Types that can be used when adding a note
https://{URL}/portal/note/type   (GET)

Responses:
200
[{

         "noteTypeId": 1,

         "name": "On The Move Updated"

}]

400 Various reasons given in the body

401 User does not have Authority to view Note Types

Get FNOL Statuses

Fetch a list of available FNOL Statuses

https://{URL}/portal/policy/fnol/status   (GET)

Responses:
200
```
[{

        "fnolStatusId": 1,

        "status": "Crash"

},

{

        "fnolStatusId": 2,

        "status": "No Crash"

}]
```

400 Various reasons given in the body

401 User does not have Authority

Get Admin Users

Fetch a list of Admin Users

https://{URL}/portal/user/admin?unid=x   (GET)

(x = Unit Id to view or -1 if user wants to see all Units)

Responses:
200

```
[

  {

    "name": "Freedom Admin",

    "email": "email1@yahoo.com",

    "unitId": 4,

    "userId": 17,

    "unitName": "Freedom Brokers",

    "userName": "fradmin",

    "activatedDTM": "2023-02-17 11:27:48.000000"

  },

  {

    "name": "test er1",

    "email": "email2@yahoo.com",

    "unitId": 4,

    "userId": 19,

    "unitName": "Freedom Brokers",

    "userName": "teget",

    "activatedDTM": "2023-02-20 22:35:52.000000"

  }

]
```

400 Various reasons given in the body

401 User does not have Authority to view Underwriters so do not offer that option on the Create User screen

Request Forgotten Username Email

Used to email a code to the customer for them to use on the password reset screen
https://{URL}/user/credentials/username   (POST)

```
{
  "email": "myemail"
}
```

Responses:
200 Success

Get Policy Data
Fetch the data for the Policy Screen
https://{URL}/portal/policy?opid=x   (GET)
(x = opid of the policy)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "score": {
  "brake": 89,
  "night": 100,
  "speed": 35,
  "overall": 70,
  "distance": 126,
  "brakeBadge": "EXCELLENT",
  "nightBadge": "EXCELLENT",
  "speedBadge": "VERY HIGH RISK",
  "overallBadge": "GREAT",
  "uniqueDrivingDays": 6
 },
 "users": [
  {
   "email": "marie.kelly@freedomservicesgroup.co.uk",
   "title": "Ms",
   "userId": 13,
   "surname": "Kelly",
   "forename": "Marie",
   "username": "mariek",
   "homePhone": null,
   "lockedDTM": null,
   "workPhone": null,
   "archivedDTM": null,
   "mobilePhone": "07960262341",
   "activatedDTM": "2023-02-03 13:45:44.000000",
   "lockedReason": null,
   "termsAccepted": "2023-02-19 08:00:29.000000",
   "smsConfirmedDTM": "2023-02-03 13:45:43.000000",
   "smsNumberConfirmed": null
  }
 ],
 "notes": [
  {
   "noteId": 152,
   "note": "TrakM8 Subscription created",
   "opid": null,
   "type": "TrakM8 Subscription",
   "pinnedDTM": null
  },
  {
   "noteId": 153,
   "note": "TrakM8 Subscription created",
   "opid": null,
   "type": "TrakM8 Subscription",
   "pinnedDTM": null
  },
  {
   "noteId": 154,
   "note": "User accepted T&C / Privacy Policy https://fc-tandc-privacy.s3.eu-west-1.amazonaws.com/freedomconnect/f1e32688-77be-
42e4-aaab-4676102ae6e3.pdf",
```

```json
      "opid": null,
      "type": "Terms & Conditions / Privacy Policy Accepted",
      "pinnedDTM": null
    }
  ]
  "policy": {
    "ncd": 0,
    "opid": 14,
    "status": "Active",
    "policyNo": "PACVMUL36PN0000031",
    "policyRef": "621031/001",
    "purchased": "24th January 2023",
    "classOfUse": "Social, Domestic, Pleasure & Commuting",
    "riskAddress": {
      "town": null,
      "address1": "19 Abbeyfield Close",
      "address2": "Netley",
      "address3": "Southampton",
      "postcode": "SO31 5GR"
    },
    "underwriter": "Pukka",
    "inceptionDate": "11th January 2023",
    "mileageActual": 60,
    "mileageDeclared": 10000,
    "cancellationDate": null,
    "mileagePercentageUsed": 0
  },
  "vehicle": {
    "vrm": "Marie 1",
    "make": "VAUXHALL",
    "year": 2016,
    "model": "MOVANO L2H2 F3500 125",
    "motDue": null,
    "taxDue": null,
    "abiCode": "90311289",
    "compatibleDevices": [{{"fitment":"OBD", "model":"C330","supplier":"TrakM8","deviceModelId":1}, {"fitment":"12V",
"model":"C200","supplier":"TrakM8","deviceModelId":2}],
    "obdLocation": "Driver side underneath……"
  },
  "policyHolder": {
    "dob": "4th April 1962",
    "title": "Ms",
    "gender": "M",
    "surname": "Kelly",
    "forename": "Marie",
    "homePhone": null,
    "workPhone": "07376060423",
    "occupation": {
      "hours": "Full Time",
      "status": "UnKnown Code Received from Broker",
      "industry": null,
      "jobTitle": "Van Driver"
    },
    "mobilePhone": "07376060423",
    "correspondenceAddress": {
      "town": null,
      "address1": "19 Abbeyfield Close",
      "address2": "Netley",
      "address3": "Southampton",
      "postcode": "SO31 5GR"
    }
  },
  "relatedPolicies": [
    {
      "opid": 16,
      "policyNo": "PACVMUL36PN0000033",
      "policyRef": "621033/001",
      "cancelledDTM": null,
      "effectiveToDTM": "2024-01-11 00:00:00.000000",
      "effectiveFromDTM": "2023-01-11 00:00:00.000000"
    }
```

```json
    ],
    "devices": [
      {
        "model": "TrakM8 C330",
        "barcode": "350320891796722",
        "assignedBy": "System User",
        "assignedDTM": "2023-03-13 00:00:00.000000",
        "lastAddress": null,
        "lastDataDTM": null,
        "returnedDTM": null,
        "lastLatitude": null,
        "unassignedBy": "",
        "lastLongitude": null,
        "lastPluginDTM": null,
        "lastUnPlugDTM": null,
        "unassignedDTM": null,
        "firstPluginDTM": null,
        "lastTripEndDTM": null,
        "lastHeartbeatDTM": null
      }
    ]
}
```

Get Score Data

Fetch the date range of score data for the Score Screen
https://{URL}/portal/score?opid=x&f=y&t=z   (GET)
(x = opid of the policy)

(y = from date in format yyyy-mm-dd)

(z = to date in format yyyy-mm-dd)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "scores": [
  {
   "scoresByDay": {
    "day": "07/02/23",
    "data": [
     {
      "score": {
       "distanceMiles": "441.9 miles",
       "duration": "13 h 10 m",
       "trips": 27,
       "uniqueDays": 7,
       "periodDays": 7,
       "periodType": "Driving Days",
       "scores": [
        {
         "type": "speeding",
         "score": "9.6"
        },
        {
         "type": "night-driving",
         "score": "55.9"
        },
        {
         "type": "harsh-braking",
         "score": "93.3"
        },
        {
         "type": "harsh-cornering",
         "score": "100.0"
        },
        {
         "type": "road-types",
         "score": "82.0"
        },
        {
         "type": "idling",
         "score": "93.2"
        },
        {
         "type": "weighted-total",
         "score": "66.9"
        }
       ]
      }
     }
    ]
   }
  },
  {
```

```json
      "score": {
       "distanceMiles": "441.9 miles",
       "duration": "13 h 10 m",
       "trips": 27,
       "uniqueDays": 7,
       "periodDays": 7,
       "periodType": "Calendar Days",
       "scores": [
        {
         "type": "speeding",
         "score": "9.6"
        },
        {
         "type": "night-driving",
         "score": "55.9"
        },
        {
         "type": "harsh-braking",
         "score": "93.3"
        },
        {
         "type": "harsh-cornering",
         "score": "100.0"
        },
        {
         "type": "road-types",
         "score": "82.0"
        },
        {
         "type": "idling",
         "score": "93.2"
        },
        {
         "type": "weighted-total",
         "score": "66.9"
        }
       ]
      }
     }
    ]
   }
  }
 ]
}
```

Get Notes

Fetch the notes for an opid
https://{URL}/portal/note?opid=x   (GET)
(x = opid of the policy)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "notes":
        [
          {
            "note": "Device Plugin for 350320895157772 at",
            "opid": 4,
            "type": "Device Plugin",
            "noteId": 5,
            "pinnedDTM": null,
            "createdBy": "Bal Randhawa",
            "pinnedDTM": null,
            "createdDTM": "2023-03-10 14:44:10.000000",
            "noteTypeId": 28
          },
          {
            "note": "Device Plugin for 350320895157772 at",
            "opid": 4,
            "type": "Device Plugin",
            "noteId": 6,
            "pinnedDTM": null,
            "createdBy": "Bal Randhawa",
            "pinnedDTM": null,
            "createdDTM": "2023-03-11 15:23:27.000000",
            "noteTypeId": 28
          }
        ]
}
```

Add Note

Add a note to a Unit / Policy / Device

https://{URL}/portal/note   (POST)

```
{
        "noteTypeId": 1,

        "note": "This is the note Text to Add",

        "opid": 1,

        "policySpecific": true,          // Will Link the note to the opd when true. If false then the note is a general note for the Unit

        "deviceId": 123                  // If this note also relates to a specific Device then provide deviceId and the note will be linked

}
```

Responses:
200
```
{
   "noteId": 157,
   "token": "newtoken"
}
```

400 Various reasons given in the body

401 User does not have Authority to view Note Types

Pin/Unpin Note

Pin a note to the top of the notes list
https://{URL}/portal/note/pin   (PUT)

```
{
        "noteId": 59,

        "pin": true (or false)                          true = pin, false = unpin

}
```

Responses:
200
```
{
 "notes": [                                // notes are ordered by pinnedDTM, Note Creation time
   {
     "note": "Mobile 07456123654 confirmed via SMS Code",
     "opid": null,
     "type": "Mobile Number confimed by SMS Code",
     "noteId": 58,
     "pinnedDTM": null
   },
   {
     "note": "Mobile 07456123654 confirmed via SMS Code",
     "opid": null,
     "type": "Mobile Number confimed by SMS Code",
     "noteId": 59,
     "pinnedDTM": null
   }
 ],
 "token": "newToken"
}
```

401 User does not have Authority to view/pin Notes

Update FNOL Status

https://{URL}/portal/policy/fnol   (PUT)


```
{
        "fnolId": 59,

        "statusId": 2                    (from call to /portal/policy/fnol/status)

}
```


Responses:
200
```
{
 "token": "newToken"
}
```

400
401 User does not have Authority

Lock/Unlock User

Lock or Unlock a User

https://{URL}/portal/user/lock   (POST)

```
{
 "userId": 23,
 "lock": true / falser,                              // true = lock, false = unlock
 "userId": "test lock"
}
```

Responses:
200
```
{
 "token": "newToken"
}
```

400 User is already locked/unlocked
401 User does not have Authority to perform action

Request Password Reset Email

Used to email a code to the customer for them to use on the password reset screen
https://{URL}/user/credentials   (POST)


```
{
  "username": "myusername"
}
```

Responses:
200 Success

401 Account not found

423 Account Locked

Password Reset

Used to email a code to the customer for them to use on the password reset screen
https://{URL}/user/credentials   (PUT)

```
{
  "username": "myusername",
  "code": "512321",
  "password": "mynewpassword"
}
```

Responses:
200 Success

400 Code has expired

401 Invalid Code

423 Account Locked

Update Device Notification Token

Updates the Notification Token for a users device

https://{URL}/user/token   (PUT)

```
{
        "identifier":" 0a123a1d11a123ab",
        "notificationToken": "newNotificationToken",
        "oldNotificationToken": "oldNotificationToken"        // optional
        }
}
```

Responses:
200 Success

404 Could not find the previous notification token for this device

Resend Comm

Resend a Comm
https://{URL}/portal/comm/resend   (POST)

```
{
 "commType": "ACTIVATION",
 "userId": 33,      // optional
 "unitId": 34,      // optional
 "opid": 123        // optional
}
```

For Activation send commType: "ACTIVATION", userId: x

Responses:
200 Success

400 with message

401 with message

423 Account Locked

View Trip Summaries

Returns a list of Trip Summaries for the given opid and dates
https://{URL}/portal/policy/trips?opid={x}&f={y}&t={z}   (GET)
x = opid, y = from Date (yyyy-mm-dd) , z = to Date (yyyy-mm-dd)

Responses:
200
```
{
 "monthlyTrips": [
  {
   "individualTrips": [
    {
      "startDTMutc": "1679297439000",
      "localTimes": "20 Mar   07:30 - 07:55",
      "duration": "25 mins",
      "distance": "13.4 miles"
    },
    {
      "startDTMutc": "1679297107000",
      "localTimes": "20 Mar   07:25 - 07:26",
      "duration": "2 mins",
      "distance": "0.1 miles"
    }
   ],
   "title": "March 2023",
   "count": 53,
   "distanceMiles": "648.3",
   "durationHours": "18.1"
  }
 ],
 "token" : "a_token"
}
```
401 User does not have Authority to view opid

View Individual Trip

Returns details of an individual Trip
https://{URL}/portal/policy/trip?opid={x}&sdtm={y}   (GET)
x = opid, y = startDTMutc from Trip Summary (eg. 1679297439000)

Responses:
200

{
 "trip": {
  "polyline":
"_xguHlf|BOyFA?A?C?AA?A??@D@J@J@N@NBR@T@R@T@V@V@X@V@X@Z@Z@Z@Z@Z@Z@Z@Z@X@XBXBVDXHXFXFVFVHRDRFR
BLDJA?sAlBSPURUPWTSVUXSXS^S\\Q^O^S`@Qb@Qf@Of@Qh@Qh@Of@Od@Of@Md@Mf@Mj@Mh@Oj@Qh@Qj@Sf@Sf@Sf@Ud@S
d@Uf@Sd@Qd@Qf@Sd@Of@Oj@Mf@Oh@Qf@?FuHrOS^Q^Sb@Qb@Qb@Mf@Kf@If@Gh@Ed@Ed@Gf@Gd@Gd@Id@Id@Gb@Gb@
I`@Ib@G`@G`@E`@E`@C`@A`@AXCVATARANAN?FAB?@?????BAH?F?D?B@@FtI?f@@j@?j@?l@Ah@Aj@Af@Ad@Af@Ad@?d@Af@?
d@?b@@@d@?`@?`@B^@^?\\?\\?\\AZ?ZAXAX?Z?ZBZDXHXJVNRRJRJRFRDTDRDTBTBV@?E`ItBTBVBXBXBZ@X@V?X?XAZCXCXEZCXEZ?X?Z
?X?X?Z?ZC\\CZCZEXEZGVEXEXCVAXBVFTJTJTLTLTLTLTNRPTNRNRL@CrElAD?F?F?J@J@J@H@J@L@L?N?P?R?P?R?P?P?PANAL?L?J?H?F?F?F?
H?F?H?F?F?J?J?H?N?N?P?R?T?R?R?T?AA`JKX?V?X?X?X?Z?Z?Z?Z?X?Z?XBX@ZBXFXHVLXLXLVJZL\\J\\L\\J\\HZJ\\H\\HZHZF\\DZB\\DZ@Z?
XAZEXCVEXGXIB@vJyEH_@H_@F_@J]J[LWNSTITCXAZ?Z@Z@Z?Z?Z@X@ZBXDZHXFZFZFZBZ@Z?Z?ZBVHXPVTTXVVVXTVTTTRTTTTRTTRTR?
AvK~BX?T?V?VAVEVITQTURSTWTUXSVOVOXKVIVIXETEXCXCXE\\C\\A\\A^A\\C^C`@C`@C^`@G^E`@Eb@Eb@E`@G`@E`@G^M\\OZSZWVW?Ej
DkEBA@A@C@CBCBC@A?C@???@??C@A@CDEBGBI@EBE@E@G@C?A??????????????????????????A?E@I?Q?UBSAAbBrG@R?LCJIFIB
KBIBIBGBGBECCGAIAKAG@EBC@?@?????????????????????????????????A@??",
  "distanceMiles": "4.0 miles",
  "durationHours": "11m",
  "avgSpeedmph": "23 mph",
  "maxSpeedmph": "41 mph",
  "start": {
   "time": "Mar 19 13:19",
   "address": "Orchard Way, Barnham, PO22 0HW"
  },
  "end": {
   "time": "Mar 19 13:30",
   "address": "Shripney Road (A29), Shripney, PO22 9"
  },
  "waypoints": [{
   "lat": 50.843021,
   "long": -0.658901,
   "speedMph": 0,
   "speedLimitMph": 60,   // Can be null
   "satellites": 15,   // Can be null
   "fix": 3,   // Can be null
   "localDTM": "Mar 18 11:31:45",
   "accel": {   // present for HARSH_* types. Can be null
    "peakMph": 72,   // can be null
    "peakGForce": 6.2   // can be null
   },
   "flags": {   // can be null. These can be used to draw the point in a different colour
    "speeding": false,
    "harshAccel": false,
    "excessiveSpeed": false,
    "harshCorner": false,
    "harshBrake": false
   },
   "type": "LOCATION"
  }],
 },
 "token": "a-token"
}

401 User does not have Authority to view opid

View an FNOL

Returns details of an individual FNOL
https://{URL}/portal/policy/fnol?opid={x}&edtm={y}   (GET)
x = opid, y = eventDTMEpoch from FNOL Report (eg. 1679297439000)

Responses:
200
```
{
 "event": {
  "barcode": "350320896277207",
  "eventDTMUTC": "2023-03-22T18:12:54Z",
  "eventDTMLocal": "2023-03-22T18:12:54.0000000+00:00",
  "lat": 51.824233,
  "lon": -2.279151,
  "roadSpeed": "0mph",
  "speed": "2.2mph",
  "direction": "North",
  "fnol": {
   "severity": 2,
   "gforce": 3.0916,
   "confidence": 1
  },
  "impact": {
   "pitch": 0,
   "roll": 0,
   "yaw": 0,
   "x": [
    95,
    101,
    123,
    137,....
   ],
   "y": [
    -5,
    40,
    48,
    71,.....
   ],
   "z": [
    1014,
    1036,
    1028,
    1020.........
   ]
  }
 },
 "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9......."
}
```
401 User does not have Authority to view opid

Get Excessive Speeding Event
Fetch the data for a specific excessive speeding event
https://{URL}/portal/policy/excessive?eid=x   (GET)
(x = id of the excessive speeding event)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

{
 "token": "newtoken",
 "vrm": "BV16XBT",
 "hdop": 0,
 "opid": 668,
 "address": "Dehavilland Cl, Northolt UB5 6RY, UK",
 "heading": 351,
 "latitude": 51.53273010253906,
 "policyNo": "PACVMUL36PN0005683",
 "longitude": -0.3901109993457794,
 "policyRef": "2320160/001",
 "testPolicy": false,
 "satelliteFix": null,
 "eventDTMLocal": "2023-04-05 01:27:11",
 "speedLimitMph": 40,
 "actualSpeedMph": 71.76837158203125,
 "effectiveToDTM": "2024-03-15 00:00:00.000000",
 "effectiveFromDTM": "2023-03-15 00:00:00.000000",
 "excessiveSpeedEventId": 52,
 "durationOfSpeedingMetres": 464,
 "durationOfSpeedingSeconds": 15

}

Update Excessive Speeding Event

Mark an excessive speeding event as valid or invalid and send any comms/SNS
https://{URL}/portal/policy/excessive   (PUT)

```
{
        "eventId": 59,                          // excessiveSpeedEventId from the Report
        "decision": "VALID"                     // VALID or INVALID

}
```

Responses:

200

401 User does not have Authority to access the excessive speeding event

Cancel Policy for unplug

Cancel a Policy for being Unpluged
https://{URL}/portal/device/cancel-for-unplug   (POST)

```
{
        "opid": 59,
        "barcode": "3503123254562"

}
```

Responses:

200
400 Various
401 User does not have Authority to access the Policy

Cancel Policy for no data

Cancel a Policy for no data
https://{URL}/portal/device/cancel-for-nodata   (POST)

```
{
        "opid": 59,
        "barcode": "3503123254562"

}
```

Responses:

200
400 Various
401 User does not have Authority to access the Policy

Report – Device Not Installed

Report showing Devices not yet installed
https://{URL}/portal/report/device/notinstalled?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
      [
        {
            "dob": "1987-07-11",
            "vrm": "SA54CGY",
            "opid": 629,
            "surname": "Cole",
            "forename": "John",
            "policyNo": "PAPCAR01PNA1040559",
            "heartBeat": null,
            "homePhone": "07737048599",
            "policyRef": "2265610/001",
            "workPhone": "07737048599",
            "lastPlugin": null,
            "lastUnPlug": null,
            "renewalDue": "2024-03-03 00:00:00.000000",
            "score70mph": null,
            "scoreNight": null,
            "scoreSpeed": null,
            "firstPlugin": null,
            "lastTripEnd": null,
            "mobilePhone": "07737048599",
            "scoreIdling": null,
            "businessUnit": "Freedom Brokers",
            "inceptionDTM": "2023-03-03 00:00:00.000000",
            "riskPostcode": "G52 3BL",
            "scoreBraking": null,
            "scoreOverall": null,
            "deviceBarcode": "323232323232323",
            "deviceAssigned": "2023-03-03 12:32:03.000000",
            "scoreCornering": null,
            "daysUninstalled": 2,
            "gpsDistanceMetres": 0,
            "uniqueDrivingDays": null,
            "testPolicy": false
        }
      ]
}
```

Report – Device UnPlugged

Report showing Devices that have been unplugged
https://{URL}/portal/report/device/unplugged?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
      [
        {
            "dob": "1987-07-11",
            "vrm": "SA54CGY",
            "opid": 629,
            "surname": "Cole",
            "forename": "John",
            "policyNo": "PAPCAR01PNA1040559",
            "heartBeat": null,
            "homePhone": "07737048599",
            "policyRef": "2265610/001",
            "workPhone": "07737048599",
            "lastPlugin": null,
            "lastUnPlug": null,
            "renewalDue": "2024-03-03 00:00:00.000000",
            "score70mph": null,
            "scoreNight": null,
            "scoreSpeed": null,
            "firstPlugin": null,
            "lastTripEnd": null,
            "mobilePhone": "07737048599",
            "scoreIdling": null,
            "businessUnit": "Freedom Brokers",
            "inceptionDTM": "2023-03-03 00:00:00.000000",
            "riskPostcode": "G52 3BL",
            "scoreBraking": null,
            "scoreOverall": null,
            "deviceBarcode": "323232323232323",
            "deviceAssigned": "2023-03-03 12:32:03.000000",
            "scoreCornering": null,
            "daysUninstalled": 2,
            "gpsDistanceMetres": 0,
            "uniqueDrivingDays": null,
            "chaseComm1DTM": null,
            "chaseComm2DTM": null,
            "reminderSNSDTM": null,
            "cancelSNSDTM": null,
            "testPolicy": false


        }
      ]
}
```

Report – Device No Data

Report showing Devices that have no data for x days
https://{URL}/portal/report/device/nodata?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
       [
         {
            "dob": "1997-02-16",
            "vrm": "DA13XUF",
            "opid": 775,
            "surname": "Pritchard",
            "forename": "Aaliyah",
            "policyNo": "PAPCAR01PNA1041693",
            "heartBeat": "2023-03-25 09:56:16.000000",
            "homePhone": "07375528519",
            "policyRef": "2324990/001",
            "workPhone": "01000000000",
            "lastPlugin": "2023-03-24 11:29:02.000000",
            "lastUnPlug": null,
            "renewalDue": "2024-03-23 00:00:00.000000",
            "score70mph": 0.725600004196167,
            "scoreNight": 1,
            "scoreSpeed": 0.8097000122070312,
            "testPolicy": false,
            "firstPlugin": "2023-03-24 11:29:02.000000",
            "lastTripEnd": null,
            "mobilePhone": null,
            "scoreIdling": 0.24459999799728394,
            "businessUnit": "Freedom Brokers",
            "cancelSNSDTM": null,
            "inceptionDTM": "2023-03-23 00:00:00.000000",
            "riskPostcode": "M7 4DZ",
            "scoreBraking": 1,
            "scoreOverall": 0.8389595150947571,
            "chaseComm1DTM": null,
            "chaseComm2DTM": null,
            "deviceBarcode": "350320897206270",
            "deviceAssigned": "2023-03-17 00:00:00.000000",
            "reminderSNSDTM": null,
            "scoreCornering": 1,
            "daysWithoutData": 17,
            "gpsDistanceMetres": 0,
            "uniqueDrivingDays": 2
         }
       ]
}
```

Report – All Members (Live)

Fetch the All Members report for Live Policies
https://{URL}/portal/report/allmember/live?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
     [
         {
             "dob": "1987-07-11",
             "vrm": "SA54CGY",
             "opid": 629,
             "surname": "Cole",
             "forename": "John",
             "policyNo": "PAPCAR01PNA1040559",
             "heartBeat": null,
             "policyRef": "2265610/001",
             "lastPlugin": null,
             "lastUnPlug": null,
             "renewalDue": "2024-03-03 00:00:00.000000",
             "score70mph": null,
             "scoreNight": null,
             "scoreSpeed": null,
             "firstPlugin": null,
             "lastTripEnd": null,
             "scoreIdling": null,
             "businessUnit": "Freedom Brokers",
             "inceptionDTM": "2023-03-03 00:00:00.000000",
             "riskPostcode": "G52 3BL",
             "scoreBraking": null,
             "scoreOverall": null,
             "deviceBarcode": "323232323232323",
             "deviceAssigned": "2023-03-03 12:32:03.000000",
             "scoreCornering": null,
             "gpsDistanceMetres": 0,
             "uniqueDrivingDays": null,
             "testPolicy": false
         }
     ]
}
```

Report – All Members (Cancelled)

Fetch the All Members report for Cancelled Policies
https://{URL}/portal/report/allmember/cancelled?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
      [
        {
            "dob": "1987-07-11",
            "vrm": "SA54CGY",
            "opid": 629,
            "surname": "Cole",
            "forename": "John",
            "policyNo": "PAPCAR01PNA1040559",
            "heartBeat": null,
            "policyRef": "2265610/001",
            "lastPlugin": null,
            "lastUnPlug": null,
            "renewalDue": "2024-03-03 00:00:00.000000",
            "score70mph": null,
            "scoreNight": null,
            "scoreSpeed": null,
            "firstPlugin": null,
            "lastTripEnd": null,
            "scoreIdling": null,
            "businessUnit": "Freedom Brokers",
            "inceptionDTM": "2023-03-03 00:00:00.000000",
            "riskPostcode": "G52 3BL",
            "scoreBraking": null,
            "scoreOverall": null,
            "deviceBarcode": "323232323232323",
            "deviceAssigned": "2023-03-03 12:32:03.000000",
            "scoreCornering": null,
            "gpsDistanceMetres": 0,
            "uniqueDrivingDays": null,
            "testPolicy": false
          }
      ]
}
```

Report – FNOL

Fetch the FNOL's report
https://{URL}/portal/report/fnol?uid=x   (GET)
(x = UnitId to fetch. Master User & Underwriter can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```json
[
 {
  "fnolId": 24,
  "vrm": "FN06GDV",
  "opid": 607,
  "score": {
   "brake": 100,
   "night": 23.4,
   "speed": 100,
   "overall": 80.7,
   "cornering": 100
  },
  "gforce": 3.6914,
  "surname": "Tahir",
  "forename": "Ali",
  "latitude": 51.527915954589844,
  "policyNo": "PAPCAR01PNA1041602",
  "severity": 2,
  "speedMph": 0,
  "longitude": -0.6129530072212219,
  "policyRef": "2319415/001",
  "confidence": 1,
  "eventDTMUTC": "2023-03-26 00:54:59.000000",
  "businessUnit": "Freedom Brokers",
  "SpeedLimitMph": null,
  "deviceBarcode": "350320897153241",
  "eventDTMEpoch": 1679792099032,
  "eventDTMLocal": "2023-03-26 00:54:59.000000",
  "fnolStatus": "No Crash",
  "statusUpdatedBy": "No Crash",
  "statusUpdatedDTM": "No Crash",
  "testPolicy": false
 }
]
```

Report – Excessive Speed (Unprocessed)

Fetch the Excessive Speeding events (that are awaiting processing) report
https://{URL}/portal/report/excessivespeed/unprocessed?uid=x   (GET)
(x = UnitId to fetch. Master User this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
[
 {
  "vrm": "DA66WPE",
  "hdop": 0,
  "opid": 510,
  "address": "41 Uppingham Rd, Houghton on the Hill, Leicester LE7 9HJ, UK",
  "heading": 306,
  "latitude": 52.627647399902344,
  "policyNo": "PAPCAR01PNA1041494",
  "longitude": -0.9980069994926453,
  "policyRef": "2313121/001",
  "satelliteFix": null,
  "eventDTMLocal": "2023-03-22 06:05:18",
  "speedLimitMph": 39.767757415771484,
  "actualSpeedMph": 61.20506286621094,
  "effectiveToDTM": "2024-03-13 00:00:00.000000",
  "effectiveFromDTM": "2023-03-13 00:00:00.000000",
  "excessiveSpeedEventId": 2,
  "durationOfSpeedingMetres": 395,
  "durationOfSpeedingSeconds": 15,
  "testPolicy": false
 }
]
```

Report – Mileage Risk

Report showing Policies that have exceeded their mileage criteria (settable per Broker)
https://{URL}/portal/report/risk/mileage?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
        [
          {
            "vrm": "SN18VSF",
            "opid": 430,
            "policyNo": "PAPCAR01PNA1041428",
            "policyRef": "2310094/001",
            "classOfUse": "Social, Domestic, Pleasure & Commuting",
            "occupation": "Technical Manager",
            "snsSentDTM": null,
            "testPolicy": false,
            "actualMileage": 1248,
            "declaredMileage": 10000,
            "predictedMileage": 56932,
            "daysSinceInception": 8,
            "predictedPercentage": 569
          }
        ]
}
```

Report – Address Risk

Report showing Policies that have parked away from risk postcode > 50%
https://{URL}/portal/report/risk/address?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
        [
         {
           "vrm": "KM15VFW",
           "opid": 435,
           "policyNo": "PAPCAR01PNA1041434",
           "policyRef": "2310603/001",
           "snsSentDTM": null,
           "testPolicy": false,
           "daysSinceInception": 37,
           "awayFromHomePercent": 97,
           "mostFrequentPostcode": "HA8 2AN",
           "distanceBetweenRiskAndMostFreq": 152356          (in metres)
         },
        ]
}
```

Report – Business Use

Report showing Policies that have reached their Units Limits regarding possible Business Use
https://{URL}/portal/report/risk/business-use?uid=x   (GET)
(x = UnitId to fetch. Master User can set this to -1 to fetch all UnitId's)

Responses:
401 UnAuthorised. UserId will be locked

400 Bad Request

200 Success

```
{
 "token": "newtoken",
 "report":
        [
         {
           "pid": 2225,
           "vrm": "DV17EVP",
           "opid": 2225,
           "policyNo": "PAPCAR01PNA1042911",
           "policyRef": "2380625/001",
           "classOfUse": "Social, Domestic & Pleasure",
           "occupation": "Yard Person",
           "snsSentDTM": "2023-05-09 05:24:53.000000",
           "testPolicy": false,
           "drivingDays": 30,
           "businessUnitId": 4,
           "averageTripsPerDay": 4.6,
           "daysSinceInception": 39,
           "daysIdlingAboveLimit": 21,
           "daysSinceLastSNSSent": 0
         }
        ]
}
```