End User API Guide

Introduction

The API for the iTest platform uses HTTPS calls to achieve all functionality and returns data using the XML V1.0 standard

To utilize the API you will need:

- An API authorised user account
- At least one configured profile

API Access

Base URL: https://api.i-test.net/

Authentication (Required)
The username and password must be sent as a POST using the following format

email   = Users Email Address
pass   = Users Password

List Details

List Profiles

To list available profiles append: '&t=1011'

Example URL: https://api.i-test.net/?t=1011

This returns a list or available profiles in the following format:

```
<Profiles_List>
   <Profile>
      <Profile_ID>123456789</Profile_ID>
      <Profile_Name>SIP Gateway Name</Profile_Name>
      <Profile_IP>SIP Gateway IP</Profile_IP>
      <Profile_Port>5060</Profile_Port>
      <Profile_Src_Number>xxxxxxxxxxx</Profile_Src_Number>
   </Profile>
</Profiles_List>
```

Where <Profile_ID> contains the Profile ID
Where <Profile_Name> contains the Profile Name
Where <Profile_IP> contains the Profile IP
Where <Profile_Port> contains the Profile Port
Where <Profile_Src_Number> contains the Profile Source Number (random source number is displayed as xxxxxxxxxxx)

List Suppliers

To list available Suppliers append: '&t=1012'

Example URL: https://api.i-test.net/?t=1012

This returns a list or available Suppliers in the following format:

```
<Suppliers_List>
   <Supplier>
      <Supplier_ID>123456789</Supplier_ID>
      <Supplier_Name>SIP Gateway Name</Supplier_Name>
```

iPT Networks

```
    <Prefix>123#</Prefix>
    <Codec>G.729</Codec>
</Supplier>
</Suppliers_List>
```

Where <Supplier_ID> contains the Supplier ID
Where <Supplier_Name> contains the Supplier Name
Where <Prefix> contains the Supplier Prefix
Where <Codec> contains the Supplier Codec

List Number DataBase (NDB) breakouts – Standard Tests

To list NDB entries append: '&t=1021'

Example URL: https://api.i-test.net/?t=1021

This returns a list or available NDB breakouts in the following format:

```
<NDB_List>
   <Breakout>
      <Country_Name>COUNTRY 1</Country_Name>
      <Country_ID>COUNTRY ID</Country_ID>
      <Breakout_Name>BREAKOUT Name</Breakout_Name>
      <Breakout_ID>BREAKOUT ID</Breakout_ID>
   </Breakout>
<NDB_List>
```

Where <Country_Name> contains the Country Name
Where <Country_ID> contains the Country ID
Where <Breakout_Name> contains the Breakout Name
Where <Breakout_ID> contains the Breakout ID

List Number DataBase (NDB) breakouts – CLI Tests

To list NDB entries append: '&t=1022'

Example URL: https://api.i-test.net/?t=1022

This returns a list or available NDB breakouts in the following format:

```
<NDB_List>
   <Breakout>
      <Country_Name>COUNTRY 1</Country_Name>
      <Country_ID>COUNTRY ID</Country_ID>
      <Breakout_Name>BREAKOUT Name</Breakout_Name>
      <Breakout_ID>BREAKOUT ID</Breakout_ID>
   </Breakout>
<NDB_List>
```

Where <Country_Name> contains the Country Name
Where <Country_ID> contains the Country ID
Where <Breakout_Name> contains the Breakout Name
Where <Breakout_ID> contains the Breakout ID

List Mobile Origination Endpoints

To list NDB entries append: '&t=1024'

Example URL: https://api.i-test.net/?t=1024

This returns a list or available Mobile Origination (MO) breakouts in the following format:

```
< Mobile_Origination>
   <Breakout>
```

```
      <Country_Name>COUNTRY 1</Country_Name>
      <Country_ID>COUNTRY ID</Country_ID>
      <Breakout_Name>BREAKOUT Name</Breakout_Name>
      <Breakout_ID>BREAKOUT ID</Breakout_ID>
   </Breakout>
<NDB_List>
```

Where <Country_Name> contains the Country Name
Where <Country_ID> contains the Country ID
Where <Breakout_Name> contains the Breakout Name
Where <Breakout_ID> contains the Breakout ID

Initiate Tests

Initiate Standard NDB Test

To initiate a manual number test append: '&t=2011' then: &profid=12&prefix=34&numbers=1234%%-5678%%-12345678

Where 12 is the Profile ID returned from the Profile list
Where 34 is the prefix required (a hash must be sent as '%%hash')
Where 1234%%-5678%%-12345678 is a list of numbers to include in the test separated by '%%-'

Example URL: https://api.i-test.net/?t=2011&profid=12&prefix=34&numbers=1234%%-5678%%-12345678

Data is returned in the following format:

```
<Test_Initiation>
   <Test>
      <Test_ID>123456789123456789</Test_ID>
      <Share_URL>https:// share.i-
test.net/?p=content&t=200&uri=abcdefghijklmnopqrstuvwxyz</Share_URL>
   </Test>
</Test_Initiation>
```

Where <Test_ID> contains the ID of the test
Where <Share_URL> contains the URL to access the shared test

Initiate Standard NDB Test

To initiate NDB tests append: '&t=2011' then: &profid=12&prefix=34&ndbccgid=56&ndbcgid=78

Where 12 is the Profile ID returned from the Profile list
Where 34 is the prefix required (a hash must be sent as '%%hash')
Where 56 is the Country ID returned from the NDB breakout list
Where 78 is the Breakout ID returned from the NDB breakout list

Full URL: https://api.i-test.net/?t=2011&profid=12&prefix=34&ndbccgid=56&ndbcgid=78

Data returned is in the following format:

```
<Test_Initiation>
   <Test>
      <Test_ID>123456789123456789</Test_ID>
      <Share_URL>https://share.i-
test.net/?p=content&t=200&uri=abcdefghijklmnopqrstuvwxyz</Share_URL>
   </Test>
</Test_Initiation>
```

Where <Test_ID> contains the ID of the test
Where <Share_URL> contains the URL to access the shared test

Initiate CLI Test

To initiate NDB tests append: '&t=2012' then: &profid=12&vendid=34&ndbccgid=56&ndbcgid=78

Where 12 is the Profile ID returned from the Profile list
Where 34 is the Supplier ID returned from the Supplier list
Where 56 is the Country ID returned from the NDB breakout list
Where 78 is the Breakout ID returned from the NDB breakout list

Optional argument of 'qty' can be used to define the number of calls to initiate. The available options are 1,5 and 10. Example '&qty=5'. The default is 10.

Full URL: https://api.i-test.net/?t=2012&profid=12&vendid=34&ndbccgid=56&ndbcgid=78&qty=5

Data returned is in the following format:

```
<Test_Initiation>
   <Test>
      <Test_ID>123456789123456789</Test_ID>
      <Share_URL>https:// share.i-
test.net/?p=content&t=200&uri=abcdefghijklmnopqrstuvwxyxz</Share_URL>
   </Test>
</Test_Initiation>
```

Where <Test_ID> contains the ID of the test
Where <Share_URL> contains the URL to access the shared test

Initiate Mobile Origination Test

To initiate NDB tests append: '&t=2014' then: &ndbccgid=56&ndbcgid=78&dstnum=12345

Where 56 is the Country ID returned from the NDB breakout list
Where 78 is the Breakout ID returned from the NDB breakout list
Where 12345 is the number for the remote node to call

Full URL: https://api.i-test.net/?t=2014&ndbccgid=56&ndbcgid=78&dstnum=12345

Data returned is in the following format:

```
<Test_Initiation>
   <Test>
      <Test_ID>123456789123456789</Test_ID>
</Test>
</Test_Initiation>
```

Where <Test_ID> contains the ID of the test

Check Test Status

Check Test Status Overview – Standard Tests

To Check the Test Status append: '&t=3011' then: &jid=123456789123456789

Where 123456789123456789 is the Test_ID returned when initiating the test

Example URL: https://api.i-test.net/?t=3011&jid=123456789123456789

Data is returned in the following format:

```
<Test_Status>
   <2013051814000000000>
      <Name>ETHIOPIA ADDIS ABABA MOBILE</Name>
      <Calls_Total>10</Calls_Total>
      <Calls_Complete>10</Calls_Complete>
```

```
    <Calls_Success>5</Calls_Success>
    <Calls_No_Answer>1</Calls_No_Answer>
    <Calls_Fail>4</Calls_Fail>
    <PDD>7.55</PDD>
    <Share_URL>https://api.i-
test.net/?p=content&t=200&uri=abcdefghijklmnopqrstuvwxyxz</Share_URL>
  </2013051814000000000>
</Test_Status>
```

Where <2013051814000000000> is the ID of the test
Where <Name> is the name of the test
Where <Calls_Total> is the total calls initiated
Where <Calls_Complete> is the total number of completed calls
Where <Calls_Success> is the number of successful calls
Where <Calls_No_Answer> is the number of calls not answered
Where <Calls_Fail> is the number of calls that failed
Where <PDD> is the PDD for all the combined calls
Where <Share_URL> contains the URL to access the shared test

Check Test Status Overview – Mobile Origination

To Check the Test Status append: '&t=3024' then: &jid=123456789123456789

Where 123456789123456789 is the Test_ID returned when initiating the test

Example URL: https://api.i-test.net/?t=3011&jid=123456789123456789

Data is returned in the following format:

```
<Test_Status>
  <Test_Overview>
    <Name>ETHIOPIA ADDIS ABABA MOBILE</Name>
    <Test_ID>123456789123456789</Test_ID>
  </Test_Overview>
  <Call>
    <ID>11123456789123456789</ID>
    <Source>12345</Source>
    <Destination>67890</Destination>
    <Start>1423526400</Start>
    <End>1423526400</End>
  </Call>
</Test_Status>
```

Where <Name> is the name of the test
Where <Test_ID> is the ID of the test
Where <ID> is the ID of the call
Where <Source> is the source number of the call
Where <Destination> is the destination number of the call
Where <Start> is the epoch when the call was initiated
Where <End > is the epoch when the call ended