Server API for Push mode V.1.0

Common Information

- Time, Date, Timestamps and time intervals format should be based on ISO8601 specification.

In push mode, the device sends data to the server in json format.

In the Authorization parameters is used login and password to access the server.

In each message the device gives the sensor id (id), the time of the first measurement in the message (timestamp_start), data collect interval (interval) and measurement list (data). This information is repeated over each of 6 sensors. The data is transmitted in batches. Each request has a response code. Only if the code 200 comes, the data is marked as transmitted and deleted from the device. While another response code data continues to be sent until code 200 arrives.

Submit Data

Overview

Name	Value	Notes
URI:	/lims-web/mobile/submit/data	Static URL. Can't be changed in this API version.
Methods:	POST	
Return Codes:	200, 400, 404, 401, 501	

Request Sample

Request Parameters: none.

Header	Value	Description
Content-Type	application/json	
Authorization	Basic cmVzdC5saW1zQHNvZnRlbRlcS5jb206aGpTcTIxXmtXITlk	Value string literal is then encoded using the RFC2045-MIME variant of Base64, except not limited to 76 char/line. The authorization method and a space i.e. "Basic" is then put before the encoded string.

Body:

```
 1    [
 2        {
 3            "id": "123123123",
 4            "timestamp_start": "2014-06-22T14:33:00+03:00",
 5            "interval": "15",
 6            "data": [
 7                {
 8                    "t": -12.5,
 9                    "h": 56
10                },
11                {
12                    "t": -12.5,
13                    "h": 56
14                },
15                {
16                    "t": -12.5,
17                    "h": 56
18                }
19            ]
20        },
21        {
22            "id": "345345345",
23            "timestamp_start": "2014-11-21T14:33:00+03:00",
24            "interval": "23",
25            "data": [
26                {
27                    "t": -12.5,
28                    "h": 56
29                },
30                {
31                    "t": -12.5,
32                    "h": 56
33                },
34                {
35                    "t": -12.5,
36                    "h": 56
37                }
38            ]
39        }
40    ]
```

Response Sample

Code	Description
200	Ok. Data validated, accepted & stored.
400	Bad request. Data is not passed validation.
401	Unauthorized. Wrong username and/or password. Data is not stored.
404	Endpoint URL not found.
501	Server exception. Something goes wrong, data is not stored.