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Protocol TRACKSW.COM

Is http based protocol - simple implementation. Client/tracking unit post data, and get confirmation from server.

server echo test:

<http://track.si:8080/echo>

response will be: OK

version 1: CheckMsg3 - with stream content

Sending Poosition data:

<http://track.si:8080/CheckMsg3?IMEI= 352094080387076>

URL must have query parameter IMEI, IMEI should be registered on server first. Content type should be data (stream) in UTF-8 encoding. Data should always be sent in FIFO order (the oldest first). Field separator used is #9 (Tab key), Record is close with line feed (#13#10)

Field list - recieved from tracking unit:

pos	field	description	Sample data
0	lat	latitude	46.08618635
1	lon	longitude	14.47721921
2	alt	altitude (height) m	359.0
3	dir	direction	342.20001220703125
4	acc	accuracy meters	3.0
5	time	time of gps position	13.03.2017 09:03:47
6	Del-dis	/	
7	Del-tim	/	
8	speed	speed km/h	4.289442300796509
9	bckper	battery state %	88
10	Din1	digital input 1 (0 or 1)	0
11	Din2	digital input 2 (0 or 1)	0
12	LF	Line feed	#13#10

Sample data in the stream:

46.08618635	14.47721921	359.0	342.20001220703125	3.0	13.03.2017 09:03:47	11.343634605407715
485195	4.289442300796509		88 0 0			
46.08620706	14.47735216	359.0	135.60000610351563	7.0	13.03.2017 09:04:28	10.537261962890625
42004	0.9531505465507507		88 0 0			
46.08620706	14.47735216	359.0	135.60000610351563	7.0	13.03.2017 09:04:29	10.537261962890625
42029	0.9531505465507507		88 0 0			

Response from TRACKSW server (TXT form):

```
'svver=1.22'#9'interval=12'#9'lasttime=2017-03-13
09:47:57'#9'oldrec=22'#9'timetable='#9'nightinterval='#9'idnaprava=9190'#$D#$A'msgtime'#9'msgc
ontent'#9'#$D#$A
```

Parameter **lasttime** is datetime last successfully written/received position to database. If something not OK you will received error description.

version 2: simplepost - with url query

Sending Position data:

<http://track.si:8080/simplepost?IMEI=UniqueIMEI&data=GPSPositionData>

URL must have query parameter IMEI, IMEI should be registred on server first. The second parameter is data. Data should allways be sent in FIFO order (the oldest first). Field separator used is ; (semicolon), Data start with XX and end with YY. Be sure that is no spaces in the string, every filed must have value.

Field list - recieved from tracking unit:

pos	field	description	Sample data
0	start	Two chars: XX	XX
1	lat	lattitude	46.086186
2	lon	longitude	14.477219
3	alt	altitude (height) m	359.0
4	dir	direction	342.20001
5	acc	accuracy meters	3.0
6	time	time of gps position, format: DDMMYYYYHHNNSS 13.03.2017 09:03:47	13032017090
7	speed	speed km/h	4.289442300
8	bckper	battery state %	88
9	din1	digital input 1 (0 or 1)	0
10	din2	digital input 2 (0 or 1)	0
11	end	Two chars YY	YY

If your tracker IMEI is 359771038707108, the URL post will be

<http://track.si:8080/simplepost?IMEI=359771038707108&data=XX;46.086186;14.477219;359.0;342.20001;3.0;13032017090347;4.289442300;88;0;0;YY>

Response from TRACKSW server is datetime last successfully written/received position to database. If something not OK you will received error description.

Response to sample above: [13032017090347](#)

Ljubljana, 2017-03-13

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