

IEEE P1752.2 Metabolic measure Subgroup
Minutes of conference call held on November 30, 2021, at 8 am Pacific Time
Conference call started at 8:00 am Pacific Time on zoom

Slide deck presented by Chair Dr. Ida Sim (available on subgroup's website)

Attendance: 8 attendees

First Name	Last Name	Affiliation
Simona	Carini	UCSF / Open mHealth
Carole	Carey	IEEE
Chris	Khanoyan	Federal Electronic Health Records Modernization (FEHRM)
Namita	Lokare	Valencell
Vishnu	Ravi	Stanford Byers Center for Biodesign
Josh	Schilling	Vibrent Health
Ida	Sim	UCSF / Open mHealth

Agenda:

1. Attendance
2. Review of action items
3. Review of tasks
4. Other business

Review of Bluetooth SIG specs
Manufacturer labels device with supported protocol
Specs not always clear to the end user

BLE becoming more used for CGM (transmit as little as possible)
Classic still for ECG

See sections 3.1.3.1 and 3.1.3.2 of the running document.

BGM: Glucose Profile (GLP), and Glucose Service (GLS)

CGM: Continuous Glucose Monitoring Profile (CGMP), and Continuous Glucose Monitoring Service (CGMS)

Each includes Glucose Service and Device Information Service
See GLP_SPEC_V10.pdf

https://community.silabs.com/s/article/x-bgscrip-glucose-sensor-basic-implementation-of-official-ble-glucose-profil?language=en_US

3 Service Characteristics

Glucose Measurement
Glucose Measurement Context
Glucose Feature
Record Access Control Point → historical data

Security at transport level not at data level
Data not expected to be broadcast long range

Sequence number is strictly internal device (to correct for possible errors in date time)

“NaN” defined by 11073

Device doesn't have a full digital diary associated → binary flags
mol/L and kg/L
CGM mg/dL only (too much data and no display)

Security by default (authentication required)
Session start and run time are needed for calibration
Always relative time (time offset)

Q: What is a session? (is it comparable to a data stream?)
Disposable component vs non-disposable component (w/electronic components)
New session when the body sensor is replaced (new record number?)
Electronic may also need to be replaced at some point
For analytics: for how long has the person been wearing the skin sensor? (i.e., session time)
Q: Is there a decrement of sensor accuracy as it gets old
The connector is a bigger issue

Next call: Tuesday, January 11, 8 am Pacific time
Minutes taken by WG Secretary Simona Carini, UCSF