IEEE STANDARDS ASSOCIATION

IEEE

P1752 Metadata Subgroup Group Meeting

Sponsored by IEEE Engineering in Medicine & Biology (EMB) Standards Committee

17 March 2020

Teleconference

Members/Attendance

Subgroup chair: Ida Sim, Open mHealth / UCSF
Subgroup secretary: Anand Nandugudi, U Memphis
Call out your name in the following order if you're here (so we can get familiar with your voice)

- Pradeep Balachandran
- Jakob Bardram
- Daniela Brunner
- Christina Caraballo
- Simona Carini
- Paul Harris
- Shivayogi Hiremath
- Sean McConnell
- Leonard Njeru Njiru
- Henry Ogoe
- Paul Petronelli
- Udi Rubin
- Anna T

Action Items
From Last Meeting

Action Items from March 3

- ~~Datapoint UUID – UUID for each observation in a datapoint?~~
- ~~Naming of source_creation_datetime~~
- Draft examples of metadata sample data

Mininum Metadata: Proposal

Metadata Elements: Datapoint

Needs	Property (bold = required)	Example
Which datapoint is this?	**UUID**	**Generate using RFC 4122 approach**
What does this value represent?	**schema ID and schema metadata**	**Pointer to the stress datapoint schema**
When is the effective time of this data?	[in the datapoint itself]	

Metadata Elements: Acquisition

Needs	Properties (bold = required)	Example
When was this datapoint created at the original source? If the datapoint is aggregated later, the date does not change. If the datapoint is recalculated later (e.g., using a different algorithm), a new datapoint is created with a different id and creation date.	**source_creation_datetime** date-time schema represents a point in time (ISO8601). Timezone is UTC unless otherwise specified	**2019-08-01T07:01:00Z**
Was the datapoint sensed or self-reported?	modality	**sensed**
If data was acquired with a periodic rate, what was the rate?	acquisition_rate	**Value : 100 Unit : Hz** OR number_of_times: 2 time_window: value: 1 unit: d

Metadata Elements: Source

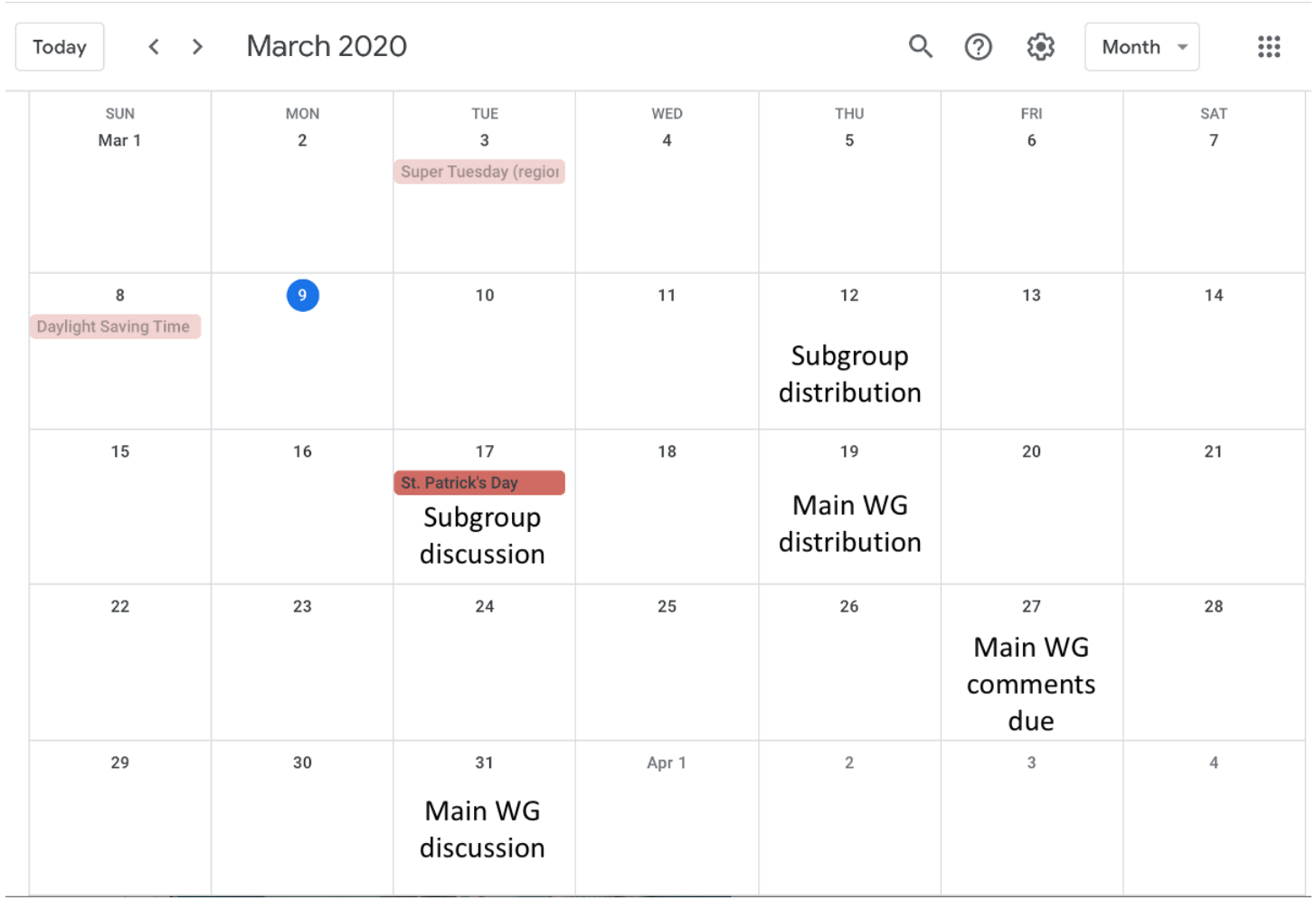
Needs	Properties (bold = required)	Example
What firmware/algorithm? What hardware? What app/product? Which person? Which study?	Pointer(s) to *Software Datasheet, Hardware Datasheet (UDI), Product Datasheet, Personal Datasheet (User ID), Study Datasheet (Study ID)*	Datasheet type {software, hardware, product, personal, study} Pointer: IRI

Sample Data

Future Work

Outstanding Items

- Prepare materials to send to main WG



Future Meetings

Upcoming Meetings

- Metadata WG
  - Tuesday, ??: **9:00 – 10:00** AM Pacific

- Present to main P1752 WG on March 31

Adjournment