

GRSS Standards Committee Meeting Minutes

7 Sept 2017

Attendees

- Peter Baumann
- Adriano Camps
- Betty Evans
- Thomas Fritz
- Antonio Gutierrez
- SiriJodha Khalsa
- Mark Lamb
- Franz Meyer
- Fabio Pacifici
- George Percivall
- Leland Pierce
- Kevin Romero
- Paul Rosen (Piyush Agram)
- Marwan Younis

Agenda

1. self introductions
2. approval of agenda
3. brief review of [notes](#) from 9 August
4. Scope of work
 - a. SAR - data encoding format and/or metadata content standard?
 - i. Proposed steps in this [document](#)
 - ii. [Table](#) of SAR missions
 - b. TIR data - what is the proposal?
 - i. Kevin Romero: “a calibrated EOIR data standard which would allow data taken from different EOIR sensors (like GOESR, MODIS, VIIRS, and AVHRR)... to be processed by a single processing environment without relying on multiple sensor specific ingest algorithms.”
 - c. Radiometer calibration procedures
 - d. Geographic representation of data (commonality across sensor types)
 - e. Lessons learned from Mark
5. [Committee Charter](#) and [Terms of Reference](#) documents
 - a. Necessary? - Yes, we plan to become an IEEE Technical Committee, which is distinct from an IEEE-SA standards committee
 - b. Drafting committee?
6. Spinning up an IEEE Standards Association Committee
 - a. Approval of IEEE [Policies and Procedures document](#)
 - b. Selection of Officers (later)

7. Scheduling future meetings, possible face-to-face?
8. Communication/Coordination tools
9. AOB?

Notes

Review of action items from 9 August:

1. Leland will circulate GRSS email aliases (in progress)
2. SJ will circulate the P&P doc after making agree-to mods (done)
3. Leland will move his list of SAR standards into the google spreadsheet (done)
4. SJ will draft a message to the other GRSS TCs soliciting participation and/or suggested areas for standards development (not DONE)
5. SJ will look into other conference tools that don't require browser plug ins, which some participants may not be permitted to install on their work computers. Maybe Google Hangouts next time? (looks like zoom works for everyone)
6. SJ will circulate a doodle poll for the next telecon the last week of August (late but done)

Mark: no one-size fits all will be successful. What is the information users of that data want? Most useful thing for community to do is to come up with a dictionary. E.g physics of problem, the geospatial anchoring (shouldn't require earth projection).

George: (see [ACM article "winner take some"](#)). Key is to work on semantic aspects: physics, coordinate reference systems, metadata. Good place to start. Helps frame the discussion. But important to include listing of SAR formats, include what's really working now.

Leland: +1

Mark: did a mapping of EOIR sensors for NGA on what did and didn't work. Largely classified. Thinks we've hit on the main points.

George: OGC [Sensor Web Enablement](#) (Sensor ML, O&M) relevant on an instrument and observations level, e.g., Applies how it is acquired by the instrument. Then move to [coverages](#) for geographic perspective of the data representation. Community Sensor Model (NGA), ISO 19101-1, 19130 useful, but somewhat redundant with OGC.

Mark: IEEE-SA vis-a-vis OGC?

George: IEEE-SA a big org, very credible, lacks geospatial expertise, but that's not really important. Joint publication possible.

Mark: GRSS represents the user community

Adriano: satellite, aircraft, drone essentially same in terms of requirements

Marwan: some things are different with aircraft

SiriJodha: the information model should be comprehensive enough to cover sensors on any platform

Kevin: EOIR proposal... providing minimum information needed by users, point to existing standards. We need to find something doable.

Franz: be mindful of the proliferation of value added products, and automated (cloud) processing of data. How to make them comparable, possible to easily incorporate into users workflows?

CEOS WGCV have been active in this area for a long time.

Upcoming CEOS workshop at JPL on SAR, abstract deadline is tomorrow. Franz will forward info. Adriano says would be a good opportunity to start interacting with the wider community

Frequency of group telecons? Consensus: 2 weeks

Actions

1. @Leland and @George to take a crack at the GRSS committee docs, @Mark to review
2. @Betty will be owner of UML model, will look into free UML tools
3. @George will gather existing appropriate models and share
4. @sjskhalsa will create doodle poll for next meeting
5. @Siri Jodha to send slack invites to new people along with links to getting started docs.

Re: capturing actions. I can't get google to consistently assign them automatically, may require actionee to have a google account. Let's use slack instead.