

Notes from Teleconference for NetOpsX Organizing Committee
August 27, 2018 1100 PDT

Present: Marcos Alvarez, Matt Gardine, Peggy Hellweg, Brian Shiro, and Mitch Withers

Agenda

1. Focus of the workshop, IT, Field Ops, other?
2. Venue
3. Dates
4. if there's time on the call, specific topics the workshop should include

The committee overwhelmingly favored a focus on Field Ops but some tweaks.

Performance both measuring and improving should be a prominent component of the workshop. There was an IRIS sponsored workshop in early August, 2018 on IRIS performance monitoring tools (e.g. mustang). The last NetOps included a half-day developer's workshop at the end of the NetOps meeting. Should this NetOps include a half-day Performance workshop prior to the meeting? Discussions at Performance workshop could inform discussions later in NetOps.

Form Special Interest Groups during the workshop so interested participants can continue their discussions perhaps with monthly conference calls.

Other possible topics include:

Station acceptance criteria. What metrics or checks must be passed prior to declaring a station operational or open?

What improvement and updates in Field operations can improve performance.

Siting issues affecting performance include proximity to railroads, highways, pipelines, rivers, etc. Advantages and disadvantages of borehole vs surface. Other installation and siting techniques to improve performance.

Permitting and tracking and maintaining permits. How to keep permits current? NEPA and other siting requirements. Scouting and landowner relations.

Colocating GPS. What infrastructure is required to colocate GPS with seismic and what improvements can be made.

Power systems. Next gen power, e.g. lithium batteries. Monitoring and remote resets, e.g. ping devices to reboot on lost links, etc.

Equipment life-cycle/replacement.

Modernizing legacy equipment. RSNs continue to operate a large number of obsolete analog hardware. What are cost-effective strategies for upgrading that hardware?

Venues. It would be nice to move the workshop east for a change of scenery. Memphis or SLC are possibilities but no-cost meeting space may be an issue. Historically, the hosts have donated the meeting space--Mitch will find out if that's also true for NetOpsX.

To avoid field season, the workshop should be late-February to early March or late October to early November. Mitch will ask Cecily if there are USGS constraints (e.g. fiscal year boundary issues).