

Monthly Meeting (October 2020)

Date: October 28, 2020
Time: 2:15pm - 3:20pm
Location: Park Seismic Office
Attendees:

In the office: Choon Park
Via Skype: Jin Park, Josefin Starkhammar, and Nils Ryden

1. Minutes

- a. Jin and Choon: The minutes will be kept with a more compact and summarized format from now on.
- b. Jin: Minutes will be posted to our website and blog after being reviewed by all 4 of the team members.

2. Project Schedule

- a. Jin: We are a little behind according to our contract schedule. The 1D system should be developed by now and ready to be the 1st Joint field test.
- b. Josefin: I have set aside one day per week during November to finish 1D system.
- c. Choon: In order to keep our project schedule as much as possible, a modified joint field test has been proposed, which can be implemented even without 1D system completion. Then, it would be possible to execute the joint field test in early December.

3. Modified Joint Field Test (proposed by Choon and agreed to proceed by Team Sweden)

- a. A video clip that records the entire process of running the current acquisition software (to be called here "PXI module") would be needed with brief narrations at some key points. It should capture the very beginning of the laptop turn on, displaying the remote desktop screen of the PXI computer, running the PXI module, setting up key parameters, acquiring multiple TDMS files, and executing the post-acquisition process (if exists). The purpose of this video clip will be for Choon to visualize the entire procedure of the PXI module so that he can design the optimal mode of communication in the ParkSEIS software.
- b. Mapping PXI drive (e.g., C: drive) as a network drive in the laptop computer (e.g., D: drive) while the PXI is being displayed as a remote desktop on the laptop. The purpose is to ensure the concurrent task is possible.
- c. Test of ParkSEIS software running on the laptop to see if it can detect new TDMS files as they are being created on the PXI drive.
- d. Test of ParkSEIS software running the pseudo-real-time analysis and display modules on the laptop while TDMS files are being created on the PXI.

4. Project Laptop computer

- a. Choon has ordered a laptop computer for the project, with the best features in terms of CPU speed, RAM, and Hard Drive (SSD) capacity, has been ordered for the project.
- b. Once Choon receives the laptop, he will test the CPU powers and install an executable program to it, and then he will send it to Team Sweden.

5. Labview (Team Sweden explained about Labview)

- a. Labview is not necessary to be installed into the field laptop. Labview is installed on the PXI system.
- b. Labview is a graphical user interface software that can control the measurement system.
- c. We will use the laptop for the software which controls the measurement system.
- d. We will not need the Labview any longer when we finalized the complete system with executable system.
- e. Once we finalize the project, this laptop will be used as a monitor when the crews out for field measurement.