

## Monthly Meeting (May 2021)

Date: May 18, 2021  
Time: 2:30 pm - 3:31 pm EST  
Location: Park Seismic Office  
Attendees:

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

1. Review of the morning presentation at NRRRA Meeting (11:00 AM - 12:00 PM)
2. Administrative Issues:
  - Team Sweden approved the changes of their contract hours in the proposed Budget Amendment Form.
  - Jin will fill out and finalize the amendment to submit it to Mn DOT soon.
3. Technical Issues:
  - Josefin and Choon talked about how to communicate between the Josefin's program to control PXI system and Choon's ParkSEIS (PS) program that gets inputs from the user on the acquisition-related parameters such as triggering level, pre-trigger time, min and max voltage, etc.
  - Josefin proposed to use a text file called "SETUP.TXT" that contains values for those key parameters to be written by the PS program.
  - Both discussed the possible ways of the communication and also how the new parameters become effect in the PXI system.
  - Both also discussed how a TDMS file is saved according to the new parameters set in the "SETUP.TXT" file.
  - Josefin informed that her PXI program can now shut down the system when a text file "STOP.TXT" is written by the PS program. Choon responded it is a great approach that enables the one program (PS) can control everything without the need to access the PXI system from the control laptop computer.
  - Josefin proposed to include the PXI program in the startup menu so that it is automatically executed when the system is powered on.
  - Josefin, Nils, and Choon discussed the possible ways to supply the 12-V power to the PXI system that included using an external dedicated battery, using the survey vehicle power from the 12-V DC socket, and using both. Choon proposed to add a power-surge protector to alarm the possible abrupt disconnection of the power.
  - Josefin asked Choon if it is time to move on to start building the 2D system. Choon replied that although it is almost the time, one more joint field test (JFT) should be executed for the testing purpose of PS program.
4. Agreed:
  - Jin will come up with the draft version of the contract amendment by next month's meeting.