Project: MAY12-21

Week: October 9 - 15

Adviser: Manimaran Govindarasu

• Accomplishments of past week
  - Started to talk about our Design document and what we would like to put in it
  - Started to put together the different values needed to add another bus to the system
  - Got a lot deeper look into the software and things that we can change to get a different outcome
  - Looked deeper into the communications that go on between the different units and how we can use that to exploit the system

• Plan for coming week
  - Add one new bus the system
  - Get another VM setup to emulate an actual workstation
  - Find and fix "addition" problems to each piece of software
  - Work on the design document

• Pending issues
  - None, move forward in our project

• Individual contributions – identify specific tasks accomplished
Jeremy DeBerg:

- Read security exploit information regarding our system
- Looked into the VM process and what it takes to add another one
- Got a better understanding of how to change values in each piece of software

Kyle Singler:

Worked on adding a 10th bus. Added breaker information to the opc server and explorer. Started working on tying in the next bus to the control center.

Daniel Kosac:

This week, I helped add a new bus to the system, making it a 10 bus system. I created the tenth bus in the control center console. I created an RTU for the bus which now needs to be assigned a proper address in order to be linked into the OPC.

John Majzner

This week I helped build the tenth bus onto the 9 bus system. First I created a copy of the 9 Bus(OPC) program so we can edit it and not change the original. In the Power Factory program I created a tenth bus, a fourth generator, and a fourth transformer. I hooded the new transformer up to the fourth bus and the rest up to the tenth bus. Getting the finishing touches on the generator is the only thing i don't understand yet. Creating the buses needed in Power Factory should no longer be a primary problem.