

Meeting Minutes

Date: September 21, 2015 **Time:** 5:30 PM **Location:** JEB ThinkTank Room A
Participants: Bruno Loza Khalid Alotaibi Nikhil (Client)
Will Parker Dr. Feng Li Fred Jessup

Team Business:

Changes to team contract

- Clients: Nikhil, Dr. Fisher, Dr. Johnson
- Lead instructor: Dr. Li
- Tech. advisors: Dr. Johnson, Dr. Hess

Communication

- To email entire group, email “Engr-flash”
- Keep in touch with Team Gordon
- Optional meeting time: Wednesday and Friday @ 3:30 - 4:30 PM (Location: TBA)
- Locker combination: 4-26-12

Client Interview:

System Process?

1. Black start initiated
2. Terminal voltage achieves desired voltage
3. AVR controls excitation

RTDS Modeling?

- Team goal is to model the current system and AVR
 - Not the governor - other group models this part

Protection Scheme?

- Team is not expected to come up with protection schemes
 - Only pursue if time allows
 - Exciter currently has protection schemes

Testing Specifics?

- No specifics as of yet
- Main goal of project is black start operation
 - Determining number of batteries
 - Amount of startup time needed

Budget?

- Previous group: \$5,000
- Batteries may not need to be purchased
 - Batteries donated to U of I from the Navy
- Interface of batteries would need to be purchased
- Not everything needs to be designed and built
 - If purchasing products decreases design time, the cost will be worth

Portability?

- Not needed
 - Will remain in the BEL lab

Demonstration?

- SCADA requirements
 - Not a requirement of our team
- AVR
 - Has own measurement scheme
 - Has more protection/communication that isn't being used

SEL Cooperation

- Desired meeting organization
 - Prepared list of questions
 - Questions that aren't able to be answered by Nikhil will be taken back to SEL to be answered
 - Summary of weekly progress
 - Prepare deliverables/documents
- Teleconferencing
 - This would reduce travel time and expenses for Nikhil
 - WebEx
 - Possible Location: EP 112?

Action tasks

- Khalid
 - Find teleconference meeting location
 - Email "Engr-flash" group by next meeting
- Will
 - Draw diagram of machine/black-start system
 - Send diagram creation software link to team
- Bruno
 - Client interview minutes
 - Update team contract
 - Create transcript Google Doc
 - Check w/ JJ about VPN for RTDS access

- All
 - Contribute to the transcript of specs being sent to Nikhil