

Weekly Report

Date: 3/10/2014



EE491

Group Number and Name	Dec14-07 PowerCyber Testbed
Client/Advisor	Manimaran Govindarasu
Attendees/Role	Derek Augustyn-Communication Liaison (EE) Ian Pierce-Leader (CprE) Adam Daniel-Webmaster (CprE) Yehoshua Meyer-Key idea holder & CprE Team Lead Justin Noronha-EE Team Lead Kanghee Lee-Idea holder (EE) Brian Forsberg-Idea holder(CprE)

Past week accomplishments

What was done, who did it, and when it was done

- ❖ Had brief Monday meeting to go over past weeks accomplishments and what we plan to complete this week - all
- ❖ Met with Bruce and Aditya on 3/6 to talk the 39 bus models specifics and integrating physical units into the model– EE Team
- ❖ Found errors and inconsistencies in past senior design report and current model – EE Team
- ❖ Worked through CprE labs and trying to figure out errors– CprE Team
- ❖ Website updated and more complete- Adam
- ❖ Started the first draft of CPS-CDC project plan – CprE Team
- ❖ Received more RT-Lab licenses and installed program on personal computers – EE Team
- ❖ Audited CDC on 3/8 – Adam & Brian

Plan for coming week

What to do, who, and when should it be done

- ❖ Find errors in given labs (ongoing, still) - CprE
- ❖ Become Proficient in RT-Lad, specifically on how RT-Lab integrates the excel file to populate the model parameters– EE Team



- ❖ Find errors in previous excel file and recreate tests from past senior design group – EE Team
- ❖ Finish second draft of CPS-CDC project plan - CprE
- ❖ Create first draft of our design document - all

Pending Issues

- ❖ What can we do to make the testbed better? (Documentation, library of attacks, CPC-CDC, Larger and more robust models)
- ❖ How will CPS-CDC be feasible? (Finishing second draft of the project plan)
- ❖ Must become familiar with Wide Area Control to be used as physical system protection (currently reading articles to become familiar with concept)
- ❖ Finding help on how to integrate excel into an RT-Lab model. (Looking into training docs from RT-Lab, help from Aditya, and from RT-Lab University support)
- ❖ Research and implement a backup of the current lab and all files contained within (Looking into finding optimal systems and purchasing any necessary equipment)

Individual Contributions

- ❖ Weekly report filled out and submitted - all
- ❖ Compiled previous groups accomplishments – all
- ❖ Website updated – Adam
- ❖ Participated in NSF Foundation funding presentation for CPS-CDC – Justin
- ❖ Attended ISEAGE and CDC seminars on Friday 3/7 - Adam

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Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Derek	7	35
Ian	6	21
Adam	9	27
Yehoshua	4	25
Kanghee	4	23
Justin	6	29
Brian	7	22

Comments and extended discussions: