

PROJECT MEETING MINUTES

Project Group: Three Phase

Project Title: Excitation Control for Synch Generator

Meeting Objective: Identify project specifications.

Date: 10/14/2014

Time: 5:30 PM

Location: GJL 218

Facilitator: Jacob Nelson

Minutes: Kerri McGinty

Preparation Requirements:

1. Please Bring: Logbooks, Portfolio, and Snapshot materials

SNAPSHOT NOTES

It was recommended that our rectifier uses MOSFET's instead of thyristers

- Higher Switching freq
- Shuts itself off

We should find a buck boost that utilizes a transformer to obtain system isolation.

We received a 3-phase rectifier that was built for a previous senior design project. This rectifier will, likely, not be used for our project. It has been placed in Carlos's care for the time being.

MEETING NOTES

Fred stated that we need to find a device capable of regulating voltage and we can add the burst portion in later. Alternatively we can find an exciter that already provides the burst and use it.

Fred wants us to find products and deliver a list of specifications for each product. We should develop a short description for each spec stating why it is important.

For the November design review Fred would like to meet at SEL (sometime before thanksgiving break). Jacob and Carlos have agreed, Norman Fischer, Fred Jessup, Scott Hodge, and Tracey Windley should also be present for this meeting.

Deliverables for next meeting:

Develop and present a "Matrix of Specs" that contains: Important product specifications, a summary of why that spec is important, and specs of 3 or 4 existing exciters.

Meeting Attendees:

Jacob

Fred

Carlos

Feng

Minutes Approval:

