Project Status Letter

PSL Number `09-ALL-GG`

Covering period from 3/19/16 to 3/25/16

Prepared by: `ECE 492 Design Team`

Tasks that have been completed in the previous week:

`TSV - All components soldered to PackMan except for one relay (footprint error), microcontroller programmed and can blink an LED and switch a relay, board is functional`

`GLV - Power/safety/VCI breakout board schematic and board layout completed, schematics for cockpit and safety panels completed, AVR simulators tested for the JGB`

`MCM - DC motor model implemented in Simulink`

Tasks ongoing

`Team - Acceptable ATP final draft to be submitted as soon as possible, CDR materials to be revised and resubmitted per professors' schedule`

`GLV - KiCAD Layouts for TSI Isolator Board Layout and JGB^3 (John Gehrig Board + Breakout Board) Board Layout, Cockpit CAD drawings, Safety panel CAD drawings`

`VSCADA - designing system to log all data, system able to send CAN messages from website, onboard computer interfaces + onboard touchscreen dashboard completed`

`TSV - debugging of PackMan board, list of errata being compiled`

`MCM - Compiling analysis report for static characterization, DAQ calibration ongoing, further data collection for static characterization`

Tasks due to be complete next week.

TSV - debugging of PackMan complete, errors for PackMan addressed and schematic and layout revised, I2C communication demonstrated, control panel board ordered

GLV - JGB^3 and TSI Isolator board layouts + BOMs

MCM - re-collect data for static characterization (at least 20 points), complete static characterization analysis report section

Overdue tasks

Team - ATP accepted, (still revising testing procedure and signoffs, continued revisions until acceptable)

VSCADA - adding logging to subsystem models (deadline reevaluated and pushed back)

MCM - Calibration sensors in DAQ using windyno-800 software, analysis results completed for static characterization

TSV - control panel board ordered

GLV - JGB^3 and TSI isolator board, layouts and BOM's are not yet completed (close to finished, slightly behind schedule)

Cost Summary

Budget Category	New This Period	Total Spent to Date	Budget Remaining	Total Budget
TSV	$0	$213.62	$636.38	$850
GLV	$0	$232.00	$668.00	$900
VSCADA	$0	$233.50	$166.50	$400
Cabling	$0	$0	$300	$300
MCM (Motor Char. + Model)	$0	$0	$250	$250
Shipping	$0	$79.80	$220.20	$300
Totals	**$0**	**$758.92**	**$2,241.08**	**$3000**

Receiving Reports

```
     N/A (any items received during break will be reflected
in next week's project status letter)
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Purchase Requests

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     N/A
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