

LFEV Status Letter

Week 8 - 3/22/15

LFEV

Team Milestones:

VSCADA:

Revisited system designs based on feedbacks from CDR

Configured the VAB-820 and downloaded our code

ATP submitted

DYNO:

Two weeks ago the goal was to submit and present the CDR, submit the hardware purchase proposal and demo the data acquisition system.

Last week the milestone was the use the feedback from the CDR presentation to make corrections to the ATP and design of the MCS.

Next week the milestones are to put the MSC together and begin testing the various parts of the MCS such as spinning the motor, the motor controller sensors, and the throttle.

TSV:

Last Week, members of the TSV team completed their individual research projects to better understand how to approach their tasks.

Next Week, we have to revise our designs based on the feedback from the CDR. The BoB PCBs will be finished and ordered by the end of the week. ATP will be revised as well.

GLV:

Week 7:

The TSAL and Relay drawings were completed for the VCI PCB circuit. Sketches were completed for the TSI circuit. Batteries were selected for the GLV Power, and circuits were submitted for approval.

Components were not received for the GLV Power, Cockpit drawings not completed. Side panel not fabbed yet.

Week 8:

ATP Final completed. Updated GLV BOM. ICD Update.
No Integration/tests/assembly; no parts received.

Week 9:

Work highly depends on parts delivered. Assembly of whatever parts were received. Planning on sending out several PCB designs for fabrication and box fabrication for many of the GLV systems.

Completion of scheduled components not feasible; QA tests not completed yet.

Budget:

Money Spent

Team	Money Spent	Budgeted Money Remaining
Dyno	\$448	\$266.63
VSCADA	\$618.99	\$778.91
GLV	\$516.73	-\$368.73
TSV	\$2,152.08	\$587.02
Total	\$3,736	\$1,264

Other Notes:

DC to DC converters from TRC electronics have 6-8 week shipping delay. We need figure out alternative parts to order as soon as possible.