

Team: P16315

Engineer: John Dong – Mechanical

Entering Phase: Integrated System Build & Test with Customer Demo

What do I plan on doing to ensure that Team P16315 has a successful Phase (8) review?

1.
 - i) Finish case waterproofing test ~ 2-3 hours
 - ii) Make necessary modifications to case ~ 1 hour
 - iii) Help with integrated system testing ~ 2 hours
 - iv) Write Imagine RIT presentation outline ~ 0.5 hours
 - v) Research fatigue analysis methods ~ 2 hours

You will answer these questions when you submit at the end of phase (8).

1. What did I actually do?

Initial case did not seem to be able to be sufficiently waterproofed, so new case was obtained. New case was too big however, so I modified its CAD model and printed a smaller version that still fits the cap of the case. I also wrote out a list of Imagine RIT presentation discussion topics, and helped with debugging problems with the data acquired by the telemetry system.

2. What did I learn?

I learned that it is difficult to provide an even distribution of sealing solutions to provide adequate waterproofing. The case mounting scheme proved to be sufficient.

3. What do I plan on doing to ensure that team P16316 has a successful Phase (9) review?

I will test the new case for waterproofing, make any changes needed for the new case. I will start working on the manuals.