

200105 - Core Navigation Data - MDUC

Week 51

1. Kevin Gomes
 - a. Weekly meeting about planning for kickoff.

Week 50

1. Kevin Gomes
 - a. Spinning up Ubuntu and Windows Qt installs to build applications

Week 49

1. Kevin Gomes
 - a. Had IS wipe and reinstall the Microsoft surface using for boat support
 - b. Digging into the Signal Distribution Box information for Packard
 - c. Looking through example signal maps from previous vessel
 - d. Resurrected simulator and rack after some strange software/OS hangs

Week 48

1. Kevin Gomes
 - a. Reading up on 'data distribution bus' on Packard
 - b. Reading up on '4DNavView' which will be Winfrog replacement

Week 46

1. Kevin Gomes
 - a. Looking over documents from shipyard to look at data management on David Packard
 - b. Working with Qt to learn capabilities
 - c. Met with group to discuss networking and data management
 - d. More diagrams related to the 'data distribution device'

Week 45

1. Kevin Gomes
 - a. Troubleshooting some issues with Dataprobe that was seen on Ventana dive
 - b. Reviewing documentation from David Packard contractor for data flow.

Week 44

1. Kevin Gomes
 - a. Some research into Kongsberg data management system that may be delivered with the Packard and will have a large impact on navproc/logging/etc.
 - b. More work on Qt as a possible solution for Dataprobe upgrade for new system on Packard.

Week 42

1. Kevin Gomes
 - a. Starting to dig into Qt to see if it's a viable replacement for Dataprobe, Divelog, etc.

- b. Online course for Qt
- c. Documented all the current WF logger files to make sure we can replicate for the Packard and to help inform a meeting with SMD.

Week 41

- 1. Kevin Gomes
 - a. A little work on decommissioning

Week 40

- 1. Kevin Gomes
 - a. Rigged up simulator to feed GPS data to DigiConnect to help with work to see if we can replace virtual serial ports on navproc.

Week 38

- 1. Kevin Gomes
 - a. Documented system on Western Flyer so we have it before it's gets decommissioned.

Week 33

- 1. Kevin Gomes
 - a. Diagram and writeup of existing data pathways on WF that need to be replicated on David Packard.

Week 27

- 1. Kevin Gomes
 - a. Proposal input for David Packard work for 2023

Week 26

- 1. Kevin Gomes
 - a. Proposal work

Week 25

- 1. Kevin Gomes
 - a. Proposal discussions
 - b. Meeting with Tika+ vendors for new ship

Week 13

- 1. Mike Risi
 - a. Working with Doug on TCP serial interface to Digi ConnectPort terminal servers

Week 7

- 1. Kevin Gomes
 - a. Rcnavproc1 had what appears to be a hardware failure so Mike Risi is rebuilding with spare (he cut over to the spare one already on board).
 - b. Upgraded python scripts to run on python 3 as python 2 is deprecated. Working on corenav-sim, will deploy to rcnavproc1 and wfnavproc1 soon.
- 2. Mike Risi
 - a. Cleaned up some of the installation documentation

- b. Fixed serial port drivers after kernel update

Week 6

- 1. Kevin Gomes
 - a. Mike Risi and I have started discussing how best to think about planning for David Packard infrastructure work