

Discussion/Plans for upcoming release and testing strategy for protodune-II March 2020 release schedule.

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TPG Firmware / Software Release and Test Strategy

1. Which tools to use for documentation, e.g., googledoc, wiki, gitlab issue, other?
2. Shall we have the firmware release documentation included in a central place where all DUNE phase2 documentation is located, or keep it separate?
3. How to make sure we have the right software package versions for a given firmware build/release before we start testing the firmware?
4. What level of coordination is needed between the FW and SW releases, and how it is going to be organised?
 - A dedicated testing strategy: All the firmware should be tested against, set of predecided outputs and inputs with integrated test modules (against python software) and then check should be performed on the Felix test-bench.
 - we should also have the set of pre-decided tests and sign-off from the testing in-charge before the release.
 - How is DUNE DAQ software release handled and how the testing is done? This will give us an idea on how to proceed on the above issues.
5. How will firmware be tested? Will it be tested on Felix testbench at Bristol?

Felix Testbenches and Readouts

1. A clear definition of what needs to be included in the DUNE distribution of the FELIX tools and how we should proceed
2. Moving forward with testing readout capability of the FELIX (either setting up the WIB to play data to the FELIX or to address the GTRefClk issue with ZCU102 data generator).
3. Since Felix at bristol is installed with the phase-II software, when will we have phase-II compatible firmware ready to test?