

11-Nov-2024, KAB

Post-v5.2.0 tasks, none of which need to be in a patch release:

- integration/regression test double-checks and additions (depth and breadth)
  - also, look into TA fragments with 2 TAs (might need to increase the allowed size of TA fragments, if this is a valid scenario)
- extend recent changes to include NearDet
  - lower\_bound changes (for ND datatypes)
  - confirm that existing ND regression tests work in the v5.2 era
- start the ConnectivityService from drunc for integrationtests
  - this comes out of a desire to be able to re-run integrationtest configurations from command-line drunc sessions
- recover raw data files that are not cleanly closed?
  - request from PDS calibration
- double-check/finish up deferred v4-> v5 changes
- provide and/or standardize basic data quality checks for test runs? (e.g. frame data fully covers readout window)
  - maybe implement some of these in the Dataflow subsystem?
  - double-check that error flags are being set appropriately in TRs and Fragments
- small issue: investigate wibethdecoder.py troubles with missing fragments
- upgrade FakeCardReader to handle variable-rate streams?
- add logic (in config generation, or somewhere else) to prevent system misconfigurations in which a TPStreamWriter is started but there are zero TP producers in the system
- add warning message for empty fragment if/when get\_fragment\_pieces returns zero pieces
- pytest tmpdir retention count
- add “--run-number” to integtests outside of daqsystemtest

Topics that are probably covered in the lists from other working groups:

- look at TAMakers continuing to send TAs after *stop-trigger-sources*?
- eliminate the possibility of configuring the system to have DataRequests miss TriggerCandidate fragments
- we don't want the “—run-number” option to the drunc start command in v5.2.0, right?
- errors and/or warnings in log files at startup and shutdown when drunc starts the ConnectivityService