

- Agenda
  - Short Term (Before 2020OCT)
  - Mid Term (Before 2021FEB)
  - Long Term (TBD)
  - Other Input
- Conclusions
  - 2020JUN
- Action Items

## Short Term (Before 2020OCT)

- Maintenance (Bug-fixing / Improvements)
- Test Cases Stabilization (~30 remaining tests) – 2020JUN / 2020AUG
- Last Python 3 Porting Details – 2020APR / 2020JUN
  - Any bug found by Phase B or Subsystems porting
- Makefile Refactoring Pending Tasks – 2020JUN / 2020AUG
- BulkDataNT: Check data rate behavior with unreliable receiver configured with different qos\_profile instead of a different qos\_library

## Mid Term (Before 2021FEB)

- Finish ACS Makefile Refactoring – 2020DEC / 2021JAN
  - Restart efforts with other subsystems
- RHEL / CentOS 8 Support – 2020OCT
  - Should be 1 week of effort at most
- Redesign Notification Service – 2020DEC
- TMCDB Split analysis
- Homogenize logs sent to XML files and Kafka
- Investigate problem with BulkDataNT and 2 NICs
- Investigate BulkDataNT upgrade to latest RTI DDS version
- ComponentCaller to handle methods with Callbacks

The actual decision of what gets implemented will be discussed on each ACS Requirements Gathering meeting, since it is not clear whether with current resources it would be possible to implement all of the listed tasks by 2020DEC

## Long Term (TBD)

- ACS and Java Modules – 2021FEB
  - This can wait, but ACS could investigate in the direction of offering support for Java Modules
  - Ralph has already started some prototyping with the use of Java modules
- ACS C++ Thread modernization – 2021JUN
  - Most users have moved away from threads offered by ACS due to complexity and unreliability
  - Still, light weight interface, similar to std::thread and/or boost::thread could be implemented in the future
    - Support current interface for backwards compatibility and flexibility in configuring thread details

## Other Input

- TMCDB Separation
  - Put into the Mid Term plan
- Redesign C++ Logging
  - The idea is to change the underlying technology ACE/log4cpp for a more modern one such as boost log
- Homogenize how the logs are being sent to XML and kafka in order to allow logs re ingestion from XML logs
  - Scheduled for mid term development

## 2020JUN

- Maintenance – Bug Fixing / Improvements
- Test Cases Stabilization
- Python 3 Porting Polishing
- Makefile Refactoring
- BulkDataNT Investigations

- ☒ Tomas Staigto share Notification Service replacement plans
- ☐ Tomas Staig to work with Johnny Reveco, Jorge Avarias, Jonathan Antognini and other people in figuring out the details of the current state of the TMCDB split and what needs to get implemented in the future