

- Connection
- Participants
- Agenda
  - Short Term (2021APR / 2021JUN)
  - Mid Term (2021AUG --> 2021DEC)
  - Long Term (TBD)
  - Other Input
    - Parsing XML in Java.
  - Not Relevant
- Conclusions
  - 2021FEB
- Action Items
- Doodle: <https://doodle.com/poll/9qcfg8yvdphiuhd9>
- Date: 2021-02-11 – 21:00 UT
- Zoom
  - Link: <https://alma.zoom.us/j/92932405526?pwd=UTRZemxaZTg5MjYrOVdUc1ExWGNnQT09>
  - pass: acsreqs

## Short Term (2021APR / 2021JUN)

- Maintenance (Bug-fixing / Improvements)
- Obsolescence Management
  - Integrate 2021FEB Work on obsolescence
  - Tcl/Tk – 2021FEB
    - Considering waiting on RHEL / CentOS 8 upgrade, to remove the dependency altogether due to complex compilation process
  - Python3 (8 packages) – 2021APR
  - Java (8 packages) – 2021APR
  - Move External Dependencies (Some of ACS' Tools) out of ACS build and into ExtProd
    - cppunit was moved as part of 2021FEB for testing out along with searchFile script and C++, Python and Java counterparts improvements to look into the new path (\$ALMASW\_INSTDIR/ExternalDependencies)
    - Other tools will start being moved – 2021APR
- Generate Maven Artifacts for ACS Jars
  - Done in 2021FEB for local repository
    - New target 'deploy\_all' was added to upload artifacts to maven repository
  - Discuss appropriate ways to configure the destination repository for artifacts (Env variable, Maven settings.xml, etc.) – 2021APR
- C++ Modernization – Threading – 2021JUN
  - (Ralph) I asked NRAO developers and none of them is waiting for this. It's can be done at a later time.
- Summer Internships
  - BulkData Alternative (ZeroMQ-based) – ongoing
  - Notification Channel Alternatives (Investigate Technologies) – ongoing
  - Evaluate feasibility of integrating the results as part of ACS – 2021JUN/2021AUG)

## Mid Term (2021AUG --> 2021DEC)

- RHEL 8 / CentOS 8 Coordination
  - Roll-out a plan and discuss the feasibility of making the software compatible with RHEL 7 and 8 by Cycle 9
  - There are some constraints with kernel module development which may push the change to Cycle 10
- ACS C++ Modernization (Choose one topic: SmartPointers, Logging) – Likely 2021OCT/2021DEC

## Long Term (TBD)

- ACS Makefile Refactoring subsystems coordination
  - (Ralph) Can the ability to build the common software i.e., ACS, ICD & ARCHIVE using the new Makefile be added to the short term goals. That will allow subsystems that are waiting for this, like CONTROL, to get started in 3Q2021.
- ACS C++ Thread modernization – ~2021JUN
- Redesign C++ Logging
- Java Modules

## Other Input

### Parsing XML in Java.

The Castor package is provided to parse XML in Java. We use a version that is 16 years old. The latest version is 6 years old and is no longer supported. I suggest we update to the latest version for 2021APR and plan to change to something currently supported, like JAXB, later in 2021.

## Not Relevant

## 2021FEB

\* Tentative base for 2021FEB until the meeting has been held

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
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No issues found

☐ Type your task here, using "@" to assign to a user and "/" to select a due date