

Intro and Gen2 Schedule

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Gen2 Calibration Workshop

Optical/Acoustic Day, April 7, 2021

Summary of where we are

- We submitted a pre-proposal to the NSF mid-scale program, we will hear around June if we are invited to submit a full proposal
 - Strict budget cap of \$100 million
 - Proposal is for a subset of Gen2, called Gen2 Phase II
 - Proposal assumed significant in-kind non-US contribution
- If we are invited to submit the full proposal, it is due in late September
- If we are not invited to submit the full proposal, we will pivot to the Preliminary Design Review for full Gen2 (NSF MREFC)

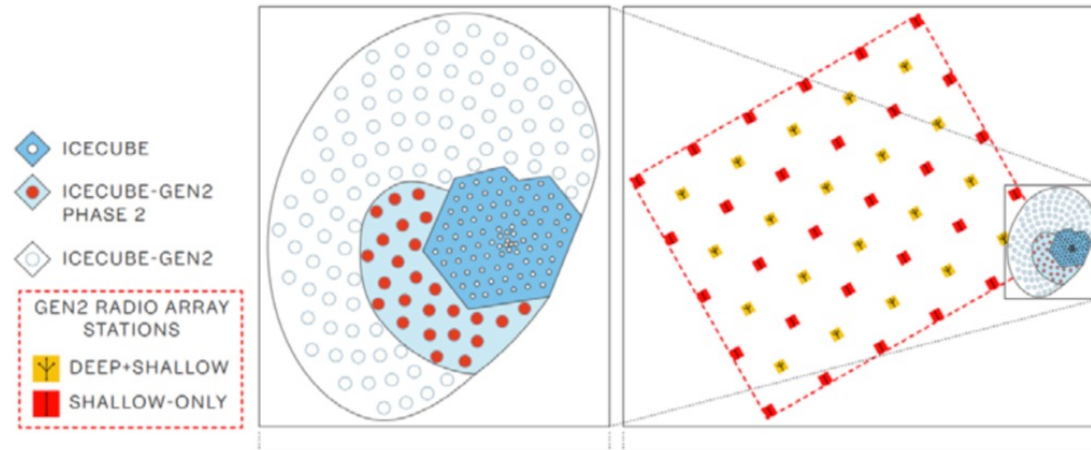
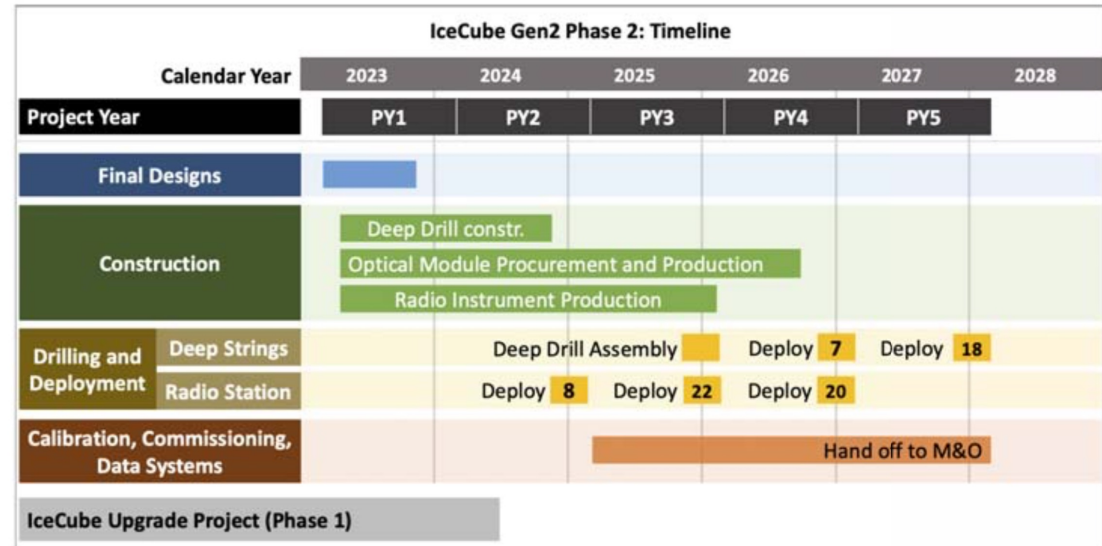


Figure 3: Top view showing the 25 additional deep optical detector strings and the radio array extension of 50 ns.

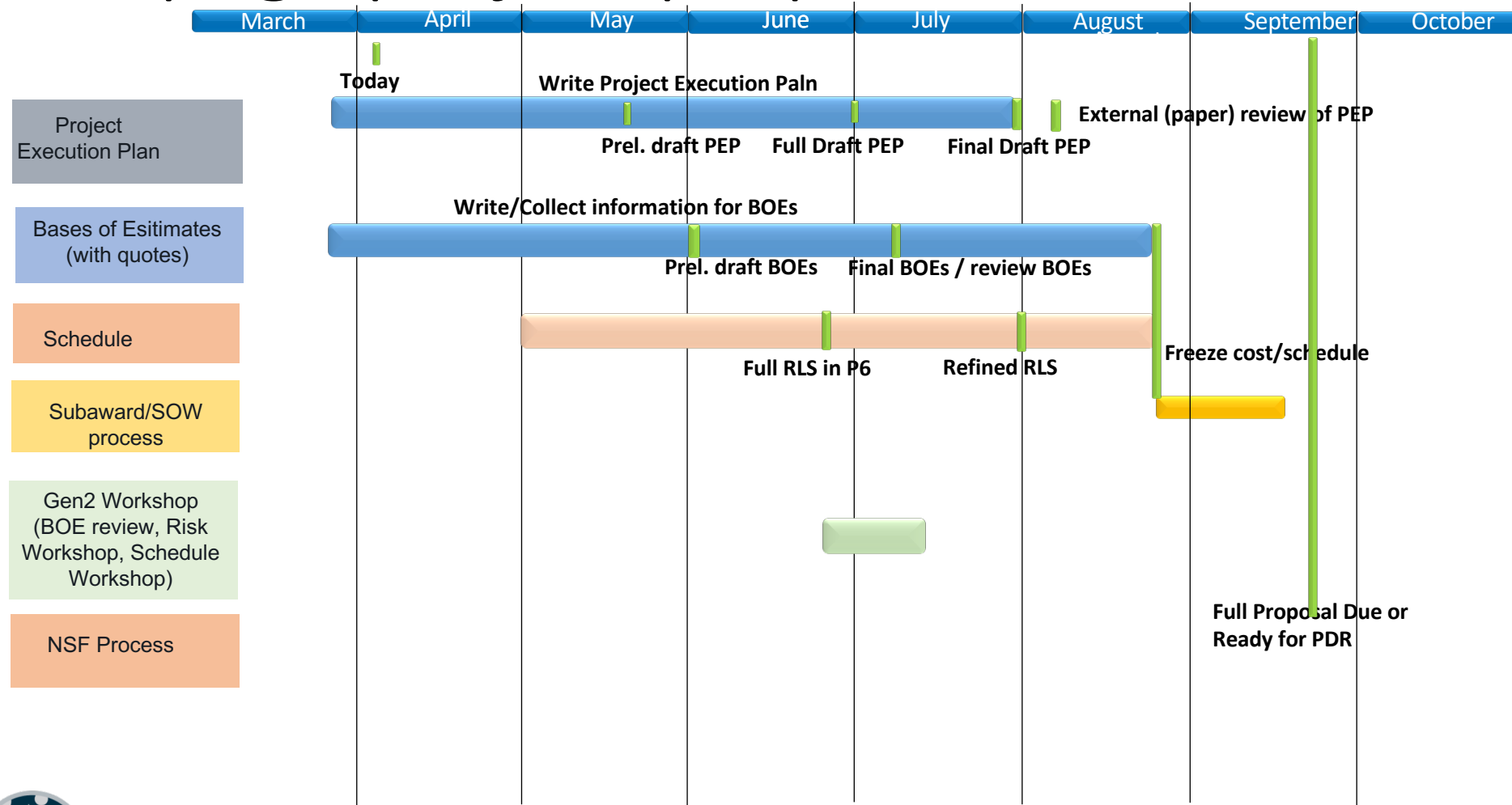


Organization

- Gen2 Phase II MSRI google folder:
<https://drive.google.com/drive/folders/1BQenu0QjFQwpR1hOYkpbr2KKARyQ3PEe?usp=sharing>
- 8am Central Monday is the new Gen2 Phase II technical board meeting
- Remember Gen2 Phase II (MSRI) is a distinct project from the Upgrade, which has its own technical board and project control meetings!

from Collaboration Meeting

One page project preparation schedule



All project schedules taken from Vivian O'Dell

NSF Review Jan/Feb? Should be preceded by "Director's Review" by at least one month

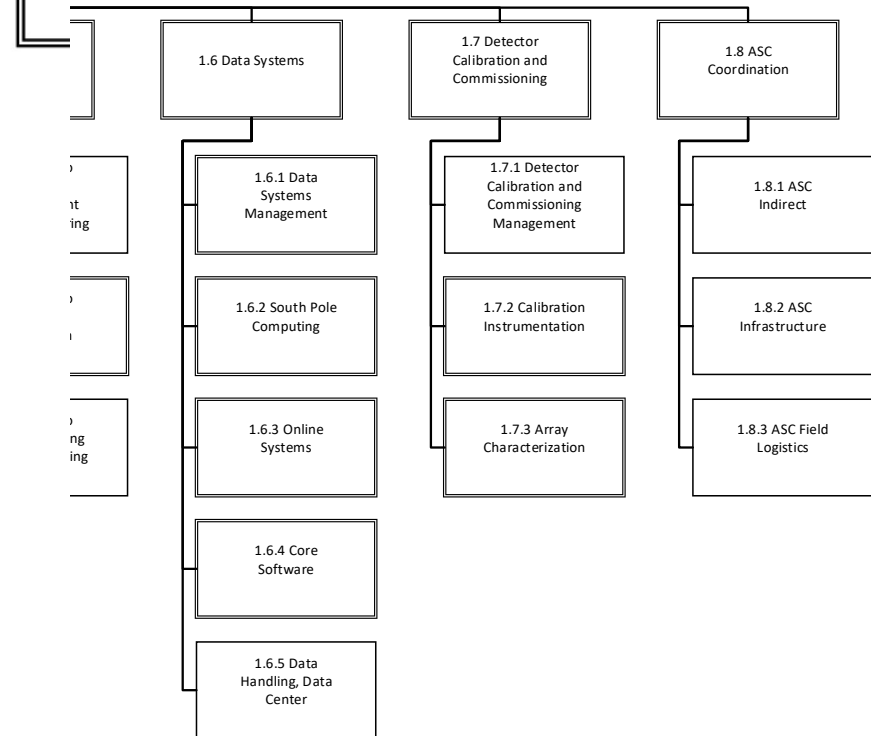
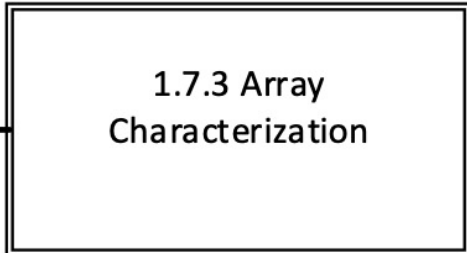
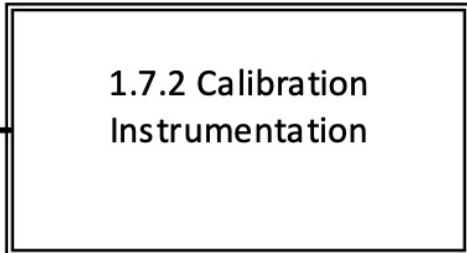
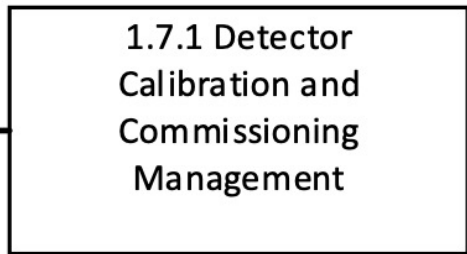
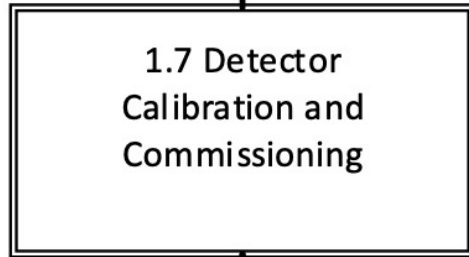
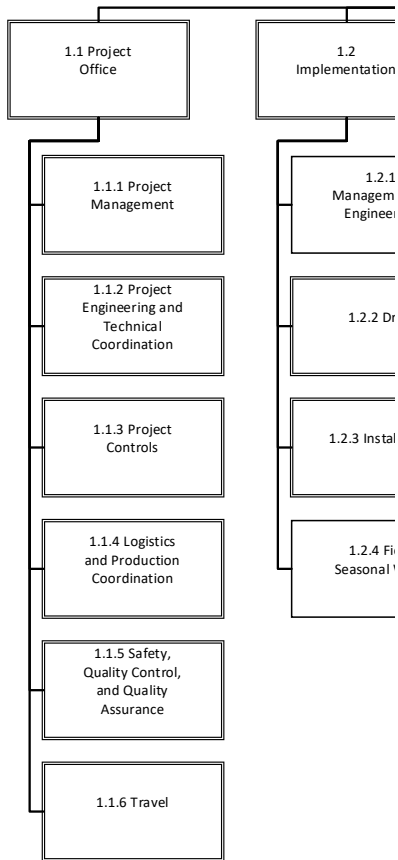


This is an *extremely ambitious* schedule working backwards from the proposal due date.

Upcoming Deadlines for first drafts

- Mid-May: project execution plan “Design and Development”
- June 1: Basis of Estimate with materials, travel cost and labor complete, this is to be done by L3s
- 3rd week of June: resource loaded schedule
- Late June-early July: management workshop

Project W



- I need to identify L3s for WBS 1.7



Management Workshop (Virtual)

- End of June/Early July
 - So as not to collide with ICRC
 - Will have all preliminary BOEs, 1st rough schedule in P6, 1st pass at costing so we have enough information to be able to iterate on costs / scope / risks
- Vision:
 - 1st day: general meeting, where we are, goals for the workshop
 - (i.e. Maturity of costs, identify risks, possible scope contingencies (both up and down))
 - 2nd day: focus on 1.2 (Implementation)
 - 3rd day: focus on 1.3 (Instrumentation—Deep)
 - 4th day: focus on 1.4 (DAQ and surface instrumentation)
 - 5th day: focus on 1.5 (Radio)
 - 6th day: Focus on 1.6 (Data Systems)
 - 7th day 1.7 (Calibration and Commissioning)
 - 8th day: general meeting, L2's report on what was achieved, where we need to focus next
- So while the overall workshop is 1.5 weeks, each area is 1 full day, 2 partial days.
- (We can also rearrange the areas according to who is available when)

Goals for this workshop

- Go over calibration device plans for Gen2, both within the MSRI scope ("on project", i.e. the dust logger) and in-kind (i.e. acoustic sensors)
- Start discussing what we need to do for the MSRI proposal or the full Gen2 PDR