Consortia Goals

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Far Detector Technical Board Meeting
August 31, 2018

Introduction

- Thanks again to all of the consortia leaders for stepping up to take on these critical roles

- A lot needs to happen very quickly
  - Finalize consortia organizational structures including selection of Technical Leads
  - Begin critical technical discussions and identify activities for 2018/2109 needed to produce the Technical Design Reports
  - Refine the consortia deliverables and produce the required Work Breakdown Structure (WBS) for those deliverables
  - Create the initial mapping of institutional responsibilities for the different WBS elements

Technical Leads

- Some but not all of the consortia have an identified candidate

- We need to try our best to have all of the Technical Leads in place by the next Technical Board Meeting (two weeks from today)

- Consortia Leaders should plan to iterate with the spokespeople and TC next week as necessary

Consortia Organization

- Some but not all of the consortia have held their first meetings – important to get these up and running on a regular basis

- Required Working Groups need to be identified and conveners selected

- Needed development activities (technical and otherwise) that sit outside of the ProtoDUNE scope for 2018/2019 need to be identified and put into the project office schedule

Consortia Scope and WBS

- Most immediate task is to update the initial lists of consortia deliverables and turn these into WBS elements

- Project office will be working to incorporate these into a global WBS covering the entire effort

- This process will almost certainly lead to future discussions about interfaces and overlapping/ missing scope at future TB meetings

Institutional Responsibilities

- Several weeks prior to the RRB meeting on November 2nd, we need to make a first pass at assigning proposed institutional responsibilities to the individual elements of the WBS

- There will certainly still be holes remaining at that point, which will need to be filled in advance of the TDRs in 2019

- Consortia leaders need to be proactive about reaching out to their institutions

Fall Meeting Schedule

- ## September 14th
  - First pass of consortia WBS substructure due
- ## September 28th
  - Discussion of missing/overlapping scope in global WBS
  - First pass of 2018/2019 schedule activities due
- ## October 12th
  - First pass of consortia mappings of institutional responsibilities for individual WBS elements due
- ## October 26th
  - Finalize WBS and mapping of institutional responsibilities to be presented to RRB

DUNE

Cryostat Interfaces

- In order to maintain the current schedule, the design of the first cryostat needs to get underway at the beginning of next year

- Input on the initial setup of cryostat penetrations will be received through first week of October (final sign-off in early November)

- From that point on, changes will be made only through formal change control process

Project Office Interfaces

- Project office will be working to understand the overall plan for installing the detector and logistical issues related to the proposed integration facility in South Dakota

- It will be the responsibility of each consortia to understand their interfaces with the installation process and the integration facility

Beyond this fall

- Technical proposals due summer 2018
    - Preliminary cost estimates
    - Updated matrices of institutional responsibilities
    - Draft schedule of activities for 2020 and beyond
    - Description of proposed system (can include some alternatives)

- Technical Design Reports
    - Finalized version of everything listed above
    - Baseline design with requisite studies to show that proposed subsystem meets DUNE requirements

Summary

- ## Fall 2017 Consortia Deliverables
    - Updated consortia scopes to be incorporated within a global WBS covering the entire effort
    - Preliminary matrices of institutional responsibilities for the individual WBS elements that lie within the scopes of each consortia
    - Draft schedule of required consortia activities in 2018 and 2019 (beyond ProtoDUNE) that are needed to produce Technical Design Reports in Spring 2019