

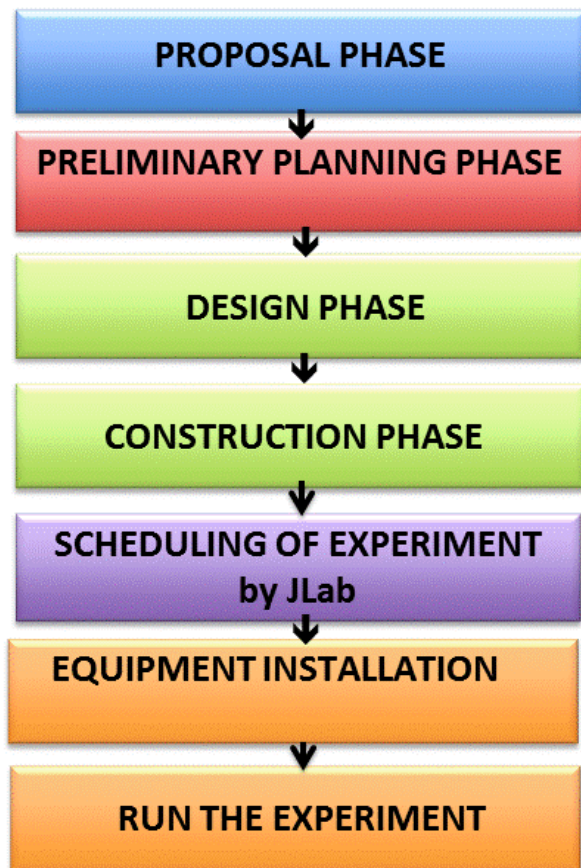
Safety Discussion

1 Oct. 2014

ERR Process Meeting(s) at JLAB

- P. Rossi, A. Fryeberger, R. Suleiman, J. Grames, M. Poelker, D. Meekins
- Riad presented experiment including proposed injector tests
- Had 2 more meetings with Rolf and Patrizia
 - Rolf will not commit to moving forward until phases 1 and 2 completed satisfactorily.

READINESS REVIEW PROCESS - FLOWCHART



- Submitting Proposals PAC&TAC
- Director's Decision

- Exp. Description and Requirements
- Exp. Readiness Review Calendar

- PESAD, specific equipment reviews
- Complete Conceptual Designs & "1st" Readiness Review

- Fabrication of the equipment
- Test of the individual elements of the equipment (OSP/TOSP)

- Construction near-completed, designs frozen
- Exp. Operation Envelop (EOE)
- "2nd" Readiness Review before scheduling request submission

"Final" readiness review

- Final ESAD & RSAD
- COO
- Safety Checklist
- Experimental Procedures

How does this apply to us

- 3 Phases of review process
 - 1) Review of equipment
 - 2) Review of operational procedures for this equipment
 - 3) Final review of ESAD, RSAD, COO etc.
- To run in the injector this winter:
 - Review of equipment namely the chamber with a full pressure system review at JLAB
 - Run under a OSP for testing
- For the full run to be scheduled
 - All three phases must be completed

What is needed for phase 1

- Documentation from ANL on chamber
 - Calculations
 - Drawings
 - Fabrication documents (MTRs, Weld exam/inspections, weld maps, testing, leak/pressure tests)
 - Operational docs (manuals etc.)
 - Reviews that were performed
- At JLAB
 - D. Meekins to be DA for system
 - convert this documentation to JLAB requirements
 - JLAB Pressure system review

Phase 2

- Write/Collect all operational procedures
- Perform RSAD for testing
- Finalize an OSP and review
 - Review will be considered part of the phase 2 of ERR
- Run tests in Injector under OSP
- Finalize list of equipment needed for full experiment
- Write/review operational procedures for all equipment to complete Phase

Phase 3

- Write ESAD (experiment safety assessment doc)
- Write RSAD (radiation safety assessment doc)
- Write COO (conduct of operations)
- Preliminary run plan/staffing shifts iwth procedures
- Submit ERG (emergency response guidelines)
- Review of all by DSO and SME
 - Two DSOs for us
- Final clearance (ERC) is issued by Div AD
 - for us this will be both accelerator and physics