



NOvA Working Group Meeting

July 31, 2007

10:30 AM – 12:00 Noon

Racetrack

Agenda

- 1) Feedback on interchanges between the Directorate/Project and OHEP [Hugh Montgomery/ Steve Holmes/ John Cooper/ Mike Procario]
- 2) NOvA Progress Report [John Cooper/Ron Ray/Nancy Grossman]
 - a) Environmental Assessment [John Cooper/ Keith Schuh / Sally Arnold]
 - b) DOE Lehman CD-2/3a Review Preparations [John Cooper]
 - i) Status of Progress against the Plan
 - ii) Issues (internal to NOvA and where external actions are needed)
 - iii) Additional Resources Received and Still Needed
 - (1) Response to Mont's Email Query/Offer: "Any help needed to hold to August 21 Follow-up Director's Review"
 - iv) Bernstein's progress on Reviewing, Modifying, Preparing for Rapid Incorporation of Final Information on NOvA CD-2/3a Document Set.
- 3) Follow up to Answers to Questions Raised on the PSF CD-2/3a ESAAB Presentation [Ed Temple]
 - a) Examples of PSF EIR Site Documents
 - b) 12 GeV Approach to Design Review "requirement." [Grossman/Temple]
 - c) MINERvA CD-2 Requirements webpage
 - d) NOvA webpage [Alan Wehman]

Agenda (continued)

- 4) Miscellaneous NOvA Related Topics [Ed Temple]
- 5) Details of Plan for Requesting Lehman Review [Pepin Carolan / Mike Procario]
- 6) Status of EIR Plan (Reference to EIR Timeline) [Pepin Carolan / Mike Procario]
- 7) Discussion of Briefing for NOvA on pre-EIR Exercise. [Ed Temple]
- 8) Discuss Director's Follow-up CD-2/3a Review – August 21-22 (Draft Charge and Agenda) [Dean Hoffer]
- 9) Next Meeting candidate times August 7 [Dean Hoffer]

Action Items:

Director's Review Draft Charge

Please conduct a Director's Review of NOvA to assess the project's readiness for a DOE Lehman CD-2/3a Baseline Review. This review is a follow-up to the June 2007 Director's Review. It should be a technical, cost, schedule, management, and risk review that assesses project progress on near term recommendations from the June review. Please answer the following questions.

1. Has each L2 manager completed a Risk Assessment? Have mitigation plans been incorporated in the Cost and Schedule Plan (CSP) and / or have appropriate contingencies been identified?
2. Has the NOvA project adequately addressed the 16 lines of inquiry (LOI) items?
3. Have the Bases of Estimate (BOEs) been generated and completed? Do they match the Resource Loaded Schedule (RLS)?
4. Has the schedule been adequately developed and is it ready to be baselined?
5. Is there a one page high-level schedule that depicts the critical path?
6. Does the obligation roll-up match the funding profile guidance? Is the cost profile from the baseline schedule consistent with the incurrence of actual costs in order to facilitate earned value management?
7. How is NOvA doing at addressing recommendations from the Director's CD-2/3a Review that are needed for Baseline Development?
8. How is NOvA doing at addressing the recommendations from the Fermi Director's/DOE Fermi Site Office's Performance Management System (PMS) Review needed for Baseline Development?

Please share your assessment with NOvA and Fermilab's management in a closeout briefing and submit a report to the Directorate soon after the review.

Director's Review Draft Agenda

Tuesday, August 21				
Start	End	Time	Subject	Presenter
8:30 AM	9:00 AM	0:30	Executive Session (Comitium, WH2SE)	Ed Temple
9:00 AM	9:10 AM	0:10	Welcome and Laboratory Overview	Hugh Montgomery
9:10 AM	10:10 AM	1:00	PM Presentation on Post CD-2/3a NOvA Actions - QA checks on 18 Ktons - Cost Reduction Efforts - Overview of Proposed Baseline - Status Recommendations from June 07 Director's Review	John Cooper
10:10 AM	10:25 AM	0:15	BREAK	
10:25 AM	11:10 AM	0:45	1) Scheduler's Presentation on Post CD-2/3a NOvA Actions - What scope changes were made? - What was done in the schedule? - Mechanical Clean-up of the schedule	Bill Freeman
11:10 AM	12:00 PM	0:50	2) Actions on PMS Review Recommendations BREAKOUT SESSIONS 1) Accelerator NuMI Upgrades WBS 1.0/ 2.0 (WH) * 2) Farsite Building WBS 1.1/ 2.2 (, WH) * 3) Scintillator/Fiber/PVC Extrusions WBS 1.2/2.2/1.3/2.3/1.4/2.4 (, WH) * 4) PVC Modules WBS 1.5/2.5(, WH) * 5) Front-end Electronics and DAQ WBS 1.6/2.6/1.7/2.7 (, WH) * 6) Far Detector Assembly, Near Detector Assembly and Project Management WBS 1.8/2.8/1.9/2.9/2.10(, WH) *	

* Notes Breakout Session Lead

Director's Review Draft Agenda

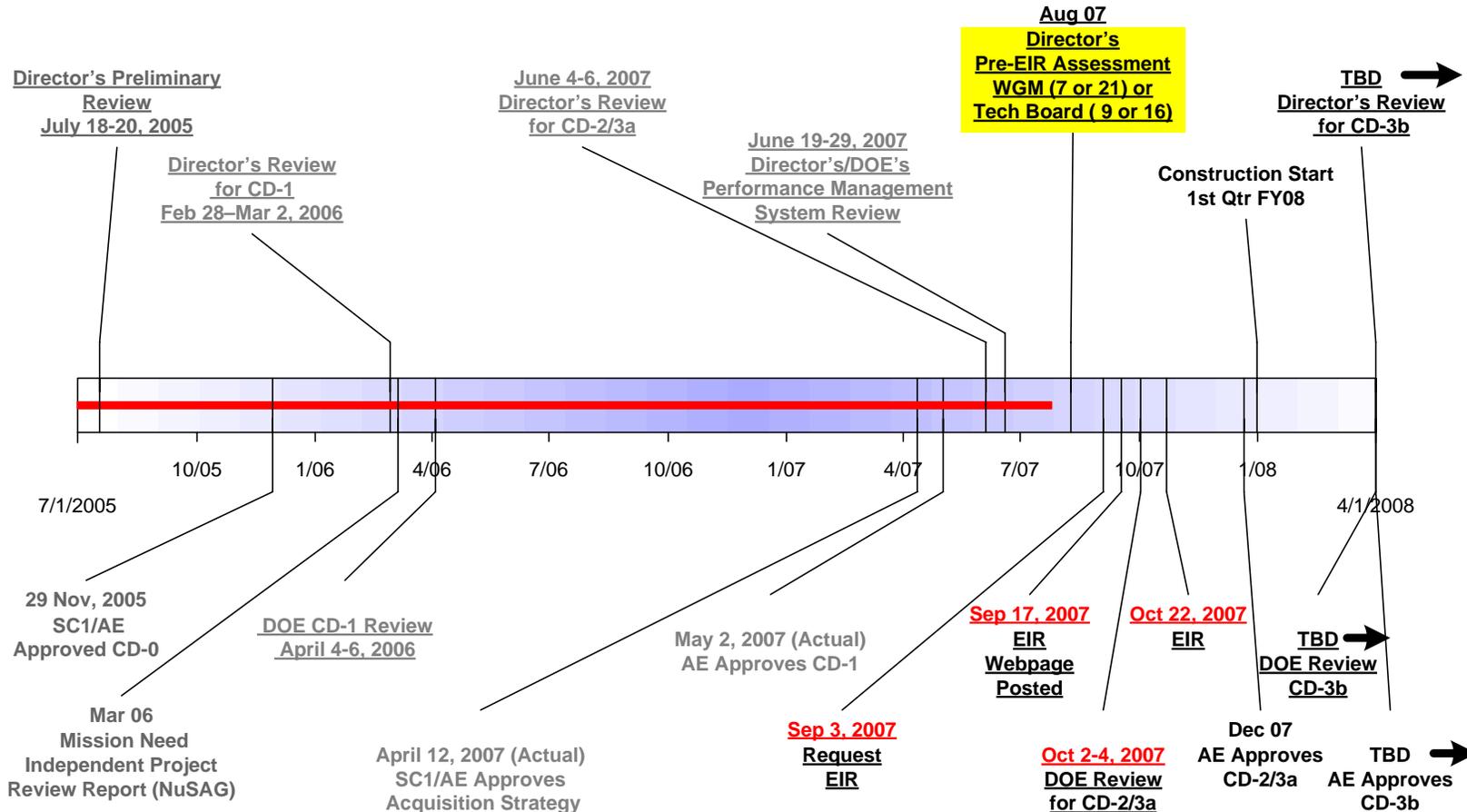
(continued)

1:00 PM	2:45 PM	1:45	BREAKOUT SESSIONS CONTINUE
2:45 PM	3:00 PM	0:15	BREAK
3:00 PM	5:00 PM	2:00	Executive Session
Wednesday, August 22			
8:30 AM	9:45 AM	1:15	Subcommittee Working sessions and Report Writing (Comitium, WH2SE)
9:45 AM	10:00 AM	0:15	BREAK
10:00 AM	2:00 PM	4:00	Closeout Dry Run with working lunch (Comitium, WH2SE) Breaks taken as necessary.
2:00 PM	3:00 PM	1:00	Closeout (, WH)



DRAFT NOvA Project Timeline for Critical Decisions & Reviews

Updated 25-Jul-07



Note:

- Text in Red indicates change from prior version
- Text in Gray indicates activity is complete



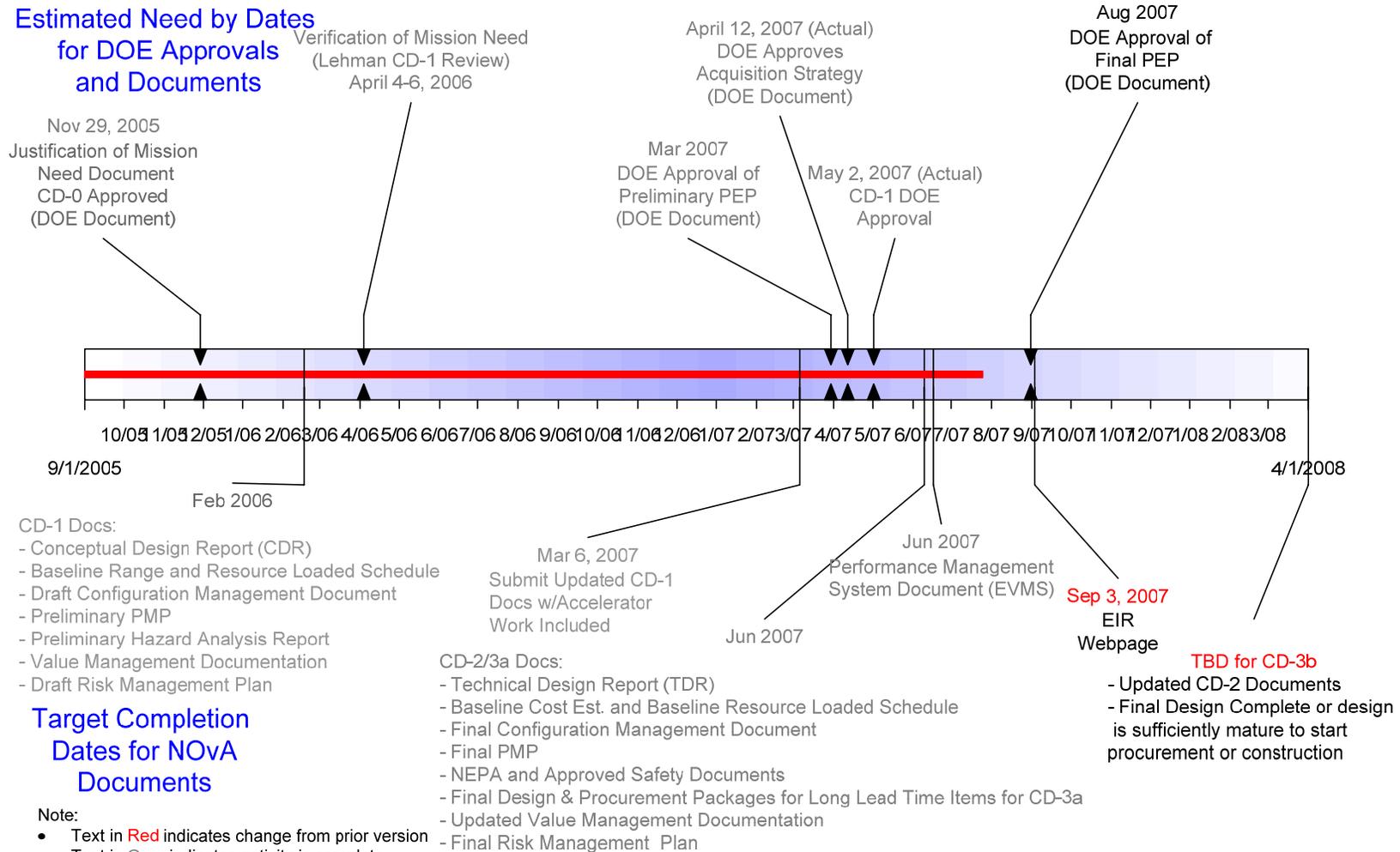
NOvA Project

Draft Critical Design Prerequisites

Updated 25-Jul-07



Estimated Need by Dates for DOE Approvals and Documents



Target Completion Dates for NOvA Documents

Note:

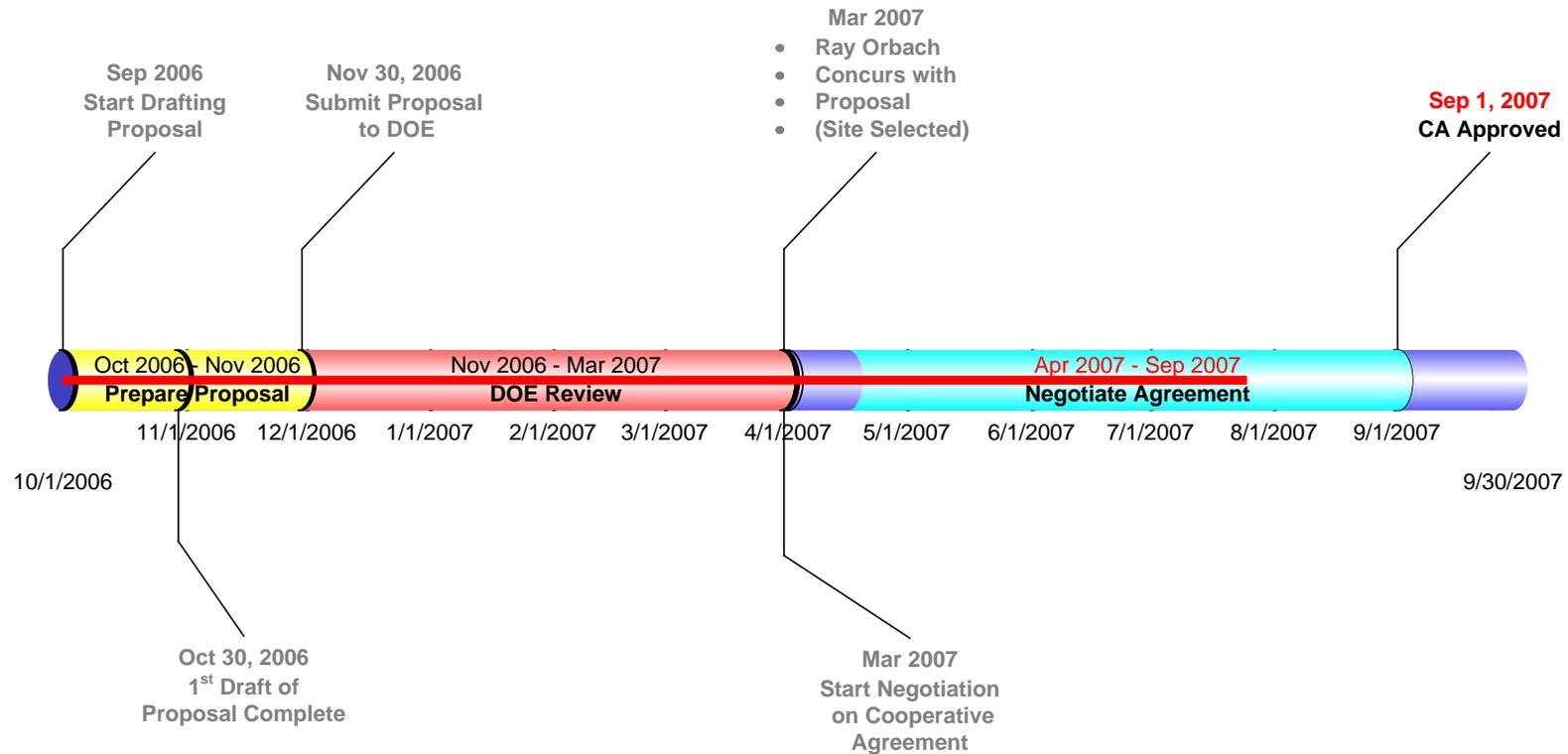
- Text in Red indicates change from prior version
- Text in Gray indicates activity is complete



NOvA Project Proposal/Cooperative Agreement Draft Process



Updated 25-Jul-07



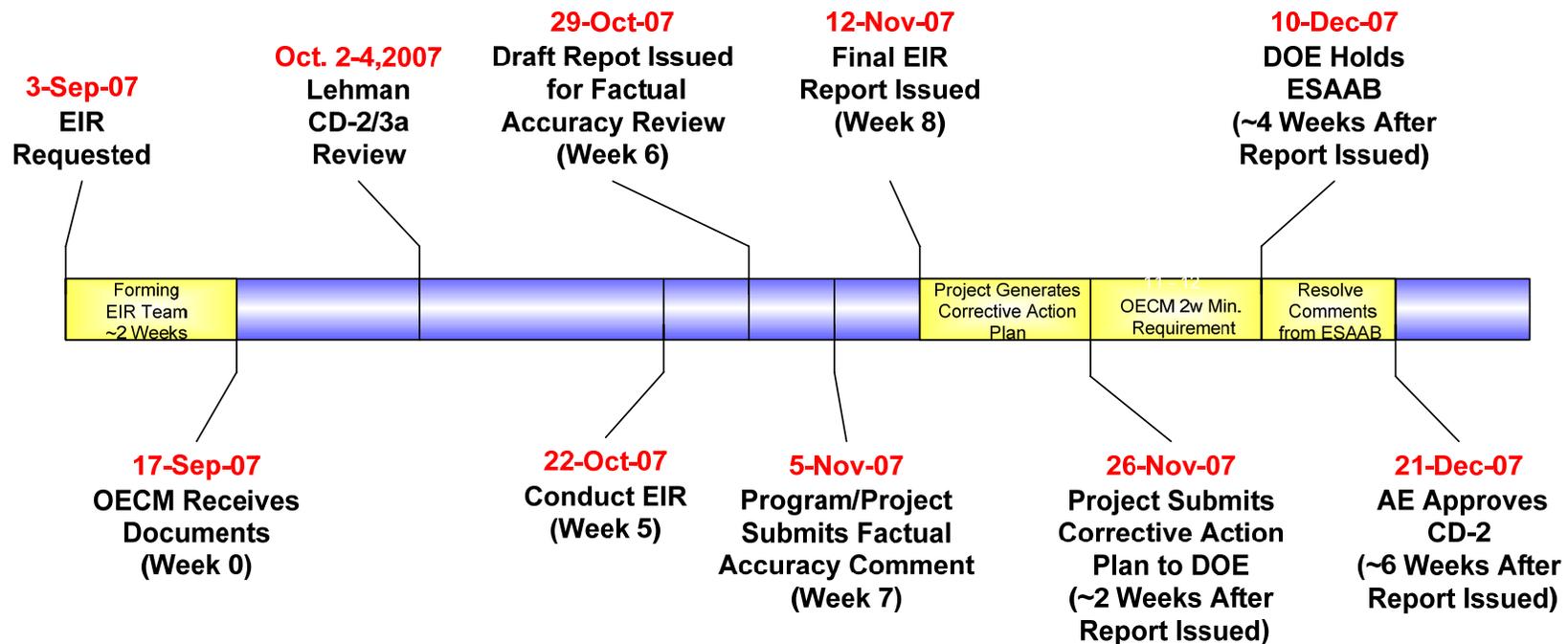
Note:

- Text in Red indicates change from prior version
- Text in Gray indicates activity is complete

External Independent Review (EIR) Process Timeline

Best Guess

Updated (25-Jul-07)



Note:

- Text in Red indicates change from prior version
- Text in Gray indicates activity is complete

Action Items

(Items 1-8 carried over from July 3 WGM)

- 1) Learn what constituted the documentation supporting the CD-2 Requirement “Design Review” for the PSF webpage for their EIR Review. [Ed Temple]
- 2) Check on and provide WGM Members NOvA OMB 300 [2007, 2008?] which serves to meet the CD-2 “Data Sheet” Requirement for NOvA as an MIE project. [Mike Procario]
- 3) Check into whether CA funds can “go” to UMN and be spent for design activities before CD-2 approval but construction expenditures be conditioned on CD-2 approval. [Mike Procario]
- 4) Relook at ANU CD-3a request list of items and optimize. [Nancy Grossman]
- 5) Review / Comment on DRAFT EIR Plan. [Several]
- 6) Scope out / Describe plans for pre-EIR and propose date. [Temple / Hoffer]

Action Items (continued)

- 7) What will trigger SC/OPA [Lehman's Office of Project Assessment] to request an EIR?
[Temple]
- 8) Develop an Obligations, Budget / Authority, and Cost Profile for NOvA.
[Pasek/Freeman]

(Created following July 3 WGM)

- 9) Incorporate Decision Points into schedule for exercising options in contracts for "larger detector commodity requirements if NOvA cost experience is good. [Freeman & L2s]

(Created following July 17 WGM)

- 10) Evolving (?) Character of Lehman Reviews [Ed Temple]
- 11) SLAC Safety Saga [Ed Temple]
- 12) Report on Document Status [Bob Bernstein]