

Welcome and Plan for the Meeting



Introductions

Key TMT people involved in the Secondary Mirror & Tertiary Mirror procurements:

- Gary Sanders Project Manager
- Jerry Nelson Project Scientist
- David Goodman Business Manager
- Pratheep Eamranond Contracts Administrator
- Holly Novack Office Manager
- Larry Stepp Telescope Department Head
- Ben Platt Contract Technical Monitor
- Mark Sirota Controls Group Leader
- Myung Cho Principal Optomechanical Engineer (NOAO)

Introduction

- ◆ TMT is in its design phase and will enter its construction phase in 2009
- ◆ TMT plans to procure its Secondary Mirror System (M2S) and Tertiary Mirror System (M3S) through five industrial contracts:
 - M2 mirror blank purchase
 - M2 cell assembly design-build
 - ◆ Generate, polish & test mirror
 - ◆ Design & build cell and mirror supports
 - ◆ Design, code & build control system
 - M2 positioner
 - ◆ Design & build hexapod positioner & control system
 - M3 mirror blank purchase
 - M3 System
 - ◆ Generate, polish & test mirror
 - ◆ Design & build cell and mirror supports
 - ◆ Design & build positioner and cable wrap
 - ◆ Design, code & build control systems

Next Steps

- ◆ TMT has done conceptual designs of each of these systems
- ◆ Now we would like to engage industry in helping us plan their development
- ◆ We would like to set up initial study contracts to:
 - Evaluate the design requirements and provide feedback
 - Prepare a plan and schedule for the design-build phase
 - Prepare a cost estimate for the design-build phase
 - Provide updates to the conceptual designs that factor in industrial experience
- ◆ We would like to initiate 2 or more studies for each system
 - M2 Cell Assembly (two parallel studies)
 - M3 System (two parallel studies)
- ◆ Results of these studies will guide TMT planning
 - Procurement strategy
 - Schedule
 - Budget

Purposes of This Meeting

- ◆ To provide background information about TMT
- ◆ To describe TMT's plans for issuing design-build contracts for M2 and M3 during our construction phase
- ◆ To explain TMT's RFPs for the study contracts
- ◆ To provide information about each system:
 - Operational concept
 - Design requirements
 - Conceptual design
- ◆ To solicit suggestions about our planned RFP process

Agenda for the Meeting

8:30 AM	Welcome & Plan for the Meeting	Stepp
8:45	Introduction to the Thirty Meter Telescope project	Sanders
9:30	Operational Concept for M2 System	Stepp
9:45	Requirements and Conceptual Design of M2 System	Platt, Sirota, Cho
10:45	Break	
11:00	Operational Concept for the M3 System	Stepp
11:15	Requirements and Conceptual Design of M3 System	Platt, Sirota, Cho
12:15 PM	Lunch	
1:15	Description of Planned Contracting Approach	Goodman
2:00	Breakout Sessions	