



W. M. KECK OBSERVATORY
Next Generation Adaptive Optics System

NGAO Proposed Work Breakdown Structure

August 28, 2006

NGAO Project

1. Project Management
 - 1.1. Science Requirements
 - 1.2. System Documentation
 - 1.3. Reviews
 - 1.4. Funding Proposal(s)
 - 1.5. Team Meetings
 - 1.6. Reporting
 - 1.7. Contracting
 - 1.8. Other Management Activities
2. AO System
 - 2.1. AO System Management
 - 2.2. Systems Engineering
 - 2.3. AO Enclosure
 - 2.4. Optomechanics
 - 2.5. Wavefront Sensors
 - 2.6. Acquisition Camera
 - 2.7. Motion Systems
 - 2.8. Electronics
 - 2.9. Software
3. Operations Tools
 - 3.1. Operations Tools Management
 - 3.2. Operations Architecture
 - 3.3. Astronomical Observation Planning
 - 3.4. Observing Setup
 - 3.5. User Interface
 - 3.6. Science Instruments and DCS Interface
 - 3.7. Performance Monitoring
 - 3.8. Automation and Optimization
4. Laser Guide Star Facility
 - 4.1. Laser Guide Star Facility Management
 - 4.2. Laser System(s)
 - 4.3. Beam Delivery
 - 4.4. Laser Diagnostics Bench
 - 4.5. Software
5. Integration and Test
 - 5.1. Laboratory
 - 5.2. Summit
6. Installation
7. Commissioning