

ROLES AND RESPONSIBILITIES OF THE LSST DIRECTOR

A. ORGANIZATIONAL PURPOSE OF THE LSST PROJECT

The LSST Director is employed by AURA. All AURA Directors are expected to exercise scientific leadership for both the scientific community and AURA. The LSST is supported by a variety of stakeholders including the National Science Foundation, the Department of Energy, and private and international partners. Over the next decade, the LSST Project Office (LPO), led by the Director, must carry out a successful construction program for the telescope and site, camera, and data management systems within cost and schedule, and transition to a fully functioning observatory.

The LSST Project has been established in order to construct a telescope, camera and data delivery system that will enable a ten-year survey of the southern sky. The data from the survey will be made available to U.S. and Chilean astronomers without proprietary period and to international partners who make contributions to the operations costs under terms to be determined. The LSST project was selected as the highest priority ground-based project by the 2010 astronomy and astrophysics decadal survey.

In 2011, the LSST Corporation Board and AURA reached an agreement under which the LSST construction project is being carried out as a discrete AURA unit under a dedicated cooperative agreement with the NSF. Under the agreement with AURA, the LSST Board recognizes AURA's final authority with respect to ensuring compliance with the terms and conditions of the Cooperative Agreement with NSF for construction of the LSST project. The tasks under the cooperative agreement are aimed at reducing the principal items of risk during the completion of the design and development phase, and carrying out a construction project within cost and schedule.

The LSST will soon begin a seven year construction phase where a high priority for the Director is leadership of a construction project with attention to technical performance, schedule and budget. Frequent interactions with federal funding agents and their business auditors will be required.

The Large Synoptic Survey Telescope Project Office (LPO) is a Center of the Association of Universities for Research in Astronomy, Inc. (AURA). The LPO provides the program management, budget control, and system engineering necessary to design, construct, integrate, and commission the LSST Project. The LSST Director directs and is responsible for all activities by the LPO. Subject to funding provided by the Department of Energy (DOE), SLAC will undertake the design, construction and delivery of the LSST camera. Subject to funding provided by the National Science Foundation (NSF) and private sources, the LPO will directly undertake the design, construction and commissioning of all other components of the LSST Observatory; this includes but is not limited to the telescope, site facilities, data management, education and public outreach (EPO), and data access centers. DOE and NSF have established a Joint Oversight Group (JOG), which will coordinate the interaction between LPO and SLAC and the two federal agencies. The Director, together with the Deputy Director, and Project Manager will be responsible for establishing and

maintaining high-level, coordinating schedule milestones that may be approved or changed only by the JOG.

B. LSST DIRECTOR'S ROLE

The LSST Director:

1. Is responsible for the LSST Project management and reports through the President of AURA to the Board of Directors of AURA, with oversight carried out by the AURA Management Council for LSST (AMCL)
2. Is responsible for selection of the Project Manager and other key personnel through whom this program is planned, conducted, and monitored; for assignment of authority and resources to these staff members consistent with AURA policy; and for overseeing their performance and providing guidance.
3. Is responsible for conducting the program in a manner consistent with the policy guidelines provided by AURA and NSF and, as appropriate, to recommend extension or modification of such policy.

C. SPECIFIC RESPONSIBILITIES

The LSST Director will:

1. Ensure that the science requirements as documented at the time of the Final Design Review are met.
2. Recommend and implement data access policies in accordance with Federal Guidelines.
3. Establish and maintain the organizational structure of the LPO in order to carry out the design, development, and construction activities in a manner meeting NSF contractual requirements;
4. Coordinate the work being done with NSF funding and with DOE funding to ensure that there is a single, unified LSST project.
5. Respond to and support the AURA Management Council for LSST and other pertinent AURA Board committees.
6. Prepare and submit to NSF, subsequent to AURA approval, all required plans and reports including, if appropriate, annual and long-range program plans to reflect the needs of the project.
7. Submit salary recommendations to the AMCL and the AURA Board of Directors;
8. Serve as principal interface for programmatic matters between AURA and the appropriate NSF program office and exercise substantial delegated responsibility for such interface in contractual matters.

9. Serve as the principal spokesperson to the astronomical and physics communities on matters relating to the LSST project.
10. Maintain a safe and effective work environment.
11. Carry out the LSST project in a manner that advances NSF goals for broadening participation, advancing technology, and developing future human resources.

D. ADDITIONAL RESPONSIBILITIES RELATED TO LSSTC

In recognition of the role of the LSSTC, the LSST Director will:

1. Keep the LSSTC Board and AURA informed and advise them of aspects or issues affecting the success of LSST.
2. Participate in meetings of the LSSTC Board providing such input as may be required or necessary for the LSSTC Board to be fully informed of the status of the project and to carry out their responsibilities as described in the MOU between AURA and LSSTC, including specifically ensuring that the interests of both the physics and astronomy communities are represented in the governance of the project and in the establishment of scientific policies.
3. Keep the AURA President, the LSSTC Board Chair, and AMCL Chair informally apprised in a timely manner of major issues that may affect LSST.

LSST Organizational Chart

