**STRATEGIC PLAN**

**Mission**

Provide all aspects of general networking support - design, acquisition, installation, operation, monitoring, maintenance, and documentation of cabling plant, device infrastructure, and network services necessary to support the Laboratory's onsite and wide-area network needs.

**Components of Strategic Plan**

The scope of network support at the Laboratory is sufficiently broad that this strategic plan is broken out into three distinct components:

* Core network infrastructure and operations – {self explanatory}
* Wide-area network infrastructure, operations, and collaboration – {self explanatory}

* **Context and Assessment of Current State**

**Vision**

**Stakeholders**

The list of stakeholders in the facility network planning and support includes everyone that works on or collaborates with.

**Strategies**

The strategies for networking are based on a set of high level, architectural principles. These principles define a core philosophy that helps ensure decisions on the design, implementation, and upgrade of the Laboratory network are made consistent with a common, long term strategic direction. They provide the basis for all levels of networking decisions within the organization, from the design of major projects to the implementation of small project tasks. The strategies are applicable to all three network components in this plan, as appropriate.

**Strategic Goals and Objectives**

Strategic goals are practical manifestations of our general network strategies. They usually encompass a multi-year scope. Strategic objectives are tangible targets for efforts or activity areas that are intended to be the means of achieving strategic goals. They may be specific enough to be applicable to only one network area of activity or may be applicable across multiple areas. There are normally timeframes associated with strategic objectives.

* Wide-area network services:
* Core Networking:
* Network in support of high impact scientific computing:

**Resource Needs**

**Progress Indicators**

The level of progress in attaining strategic objectives for this plan will be determined through a combination of three factors:

1. Comparison between the timeline expectations for strategic objectives listed in this plan, and what is achieved in the tactical plans covering those time frames. This comparison is not intended to be absolute. It is expected that there will be some time shifting in implementation of identified objectives, given the dependencies on technological evolution, personnel resources, and changing requirements. Rather, the progress is better gauged by how closely implementation compares to the general trend outlined for the objective.
2. Measurement and observation how on the capacity and capabilities of the network infrastructure, be it wide-area, local-area, or high impact scientific computing, compared to the utilization and performance at any particular time. Insufficient capacity or capabilities to meet current requirements is a potential indicator that progress needs to be greater.
3. Feedback from stakeholders. In the end, the network needs to satisfy the needs of the stakeholders, and they should be the ones to determine how well their needs are being met.