GENI Solicitation 4: Operations Transition

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- 1 subcontract
- 2 years
- $350,000 per year

Award Supports GENI Program Goal

- *Provide operational support to keep GENI available and reliable for a growing user community.*
  - Teams are encouraged (e.g. operational security and monitoring experts from different institusions)
  - PI on this proposal cannot be PI on any other Solicitation 4 proposal.(Can be PI of an existing GENI project)
  - Must accept one of the GENI IP licenses

- GENI spans the US and includes many pieces of mesoscale infrastructure, but it is not a production environment

- GENI has many owners (Aggregates) cooperatively operating infrastructure

- This work must create what is needed in operations to make the environment more robust and supportable

- *Without stifling GENI research and innovation*

- Develop plans and procedures for transitioning GENI to an operational capability ("operational" means more like production, without failing "the challenge.")

- Documented operational procedures should be adequate to enable handoff of future GENI operations in a competitive procurement

- First year: develop and document necessary elements, working closely with existing GENI projects and GPO

- Second year use those elements to take primary responsibility for operations in relevant areas

- See Table 2 in the Solicitation 4 document for more complete descriptions

- Help Desk for experimenters

- Help Desk for IT site technical staff

- Health reporting for GENI resources

- New site provisioning, installation, integration, and testing

- Incident response, troubleshooting, event and outage tracking and resolution

- Legal, law enforcement and regulatory response
- Usage reporting and forecasting
- Clearinghouse, portal and federation support
- Web resource maintenance (e.g. www.geni.net)
- Change Management
- Coordination/peering with other research organizations (e.g. ESNet, Internet2, National LambdaRail, InCommon)
- Archival storage for experimental and monitoring data

Feel free to discuss ideas with us *before* April 15