



GENI

Solicitation 4 Overview For External Reviewers

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www.geni.net

The GENI Project Office sincerely appreciates your willingness to review proposals submitted to Solicitation 4.

We count on members of the community to help us identify the best proposals and include a diverse set of technology and participants in GENI.

GENI

Global Environment for Network Innovations

Solicitation 4 for GENI Development & Prototyping

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Solicitation 4 Goals

- Make GENI more accessible to research community.
- Validate unique research capabilities and identify issues.
- Build procedures and community structures for GENI's post-development period.

- We are soliciting proposals for two year efforts.
 - Significant capability or results expected in first year – should be clearly documented in proposal
- Multiple, competing efforts are desirable
 - But we're not looking to re-invent capabilities that are well-established in GENI
- Tools, experiments, documentation, training, operations, and transition must address both GENI rack types
 - Exception for experiments requiring unique capabilities, which should be identified in proposal
- Solicitation available for reference
 - <http://groups.geni.net/geni/wiki/Solicitation4>

- **GENI Relevance**
 - Does the proposal address the solicitation's goals?
- **Best Value**
 - How much value does the work deliver for the cost?
- **Intellectual Property License**
 - GENI public license is preferred over GENI project license
- **Cost & schedule realism**
 - Are the costs and schedule reasonable?
- **Probability of success**
 - Does the team understand the challenges? Are they likely to deliver?

- **Experimenter tools**
 - New tools or groups of tools for designing and running experiments
- **Shakedown experiments, services, applications**
 - Stress key GENI features to validate (or not) design and capabilities
- **Documentation and training**
 - How to apply GENI – includes classroom use and curriculum development
- **Operations transition**
 - Prepare GENI for ongoing operation
- **Transition to self-sustaining community**
 - Ongoing community support, training and information exchange

Estimated Funding by Topic

Topic Area	Duration*	Estimated number of subcontracts*	Estimated annual funding range *
A1: Experimenter tools (broad)	24 months	2	\$200K - \$300K per year (each award)
A2: Experimenter tools (specific)	24 months	6	\$50K - \$200K per year (each award)
B: Advanced GENI shakedown experiments, prototype services, and applications	24 months	10	\$50K - \$200K per year (each award)
C: Documentation and training	24 months	5	\$50K - \$100K per year (each award)
D: Operations transition	24 months	1	\$350K per year
E: Transition to self-sustaining community	24 months	5	\$50K - \$200K per year (each award)

* All figures are estimates, subject to adjustment base on funding available and proposals received.

- Does proposer build on available capabilities?
 - Both GENI rack types?
 - Existing GENI capability?
 - Open source and/or *de facto* standard software?
- Does tool have a clear target user community?
 - Newbies or power users? (Or a convincing argument for covering the spectrum?)
- For area A1 (broad), does tool represent an integrated approach to a large portion of the experiment lifecycle?
- How does proposed tool relate to other tools used by experimenters?

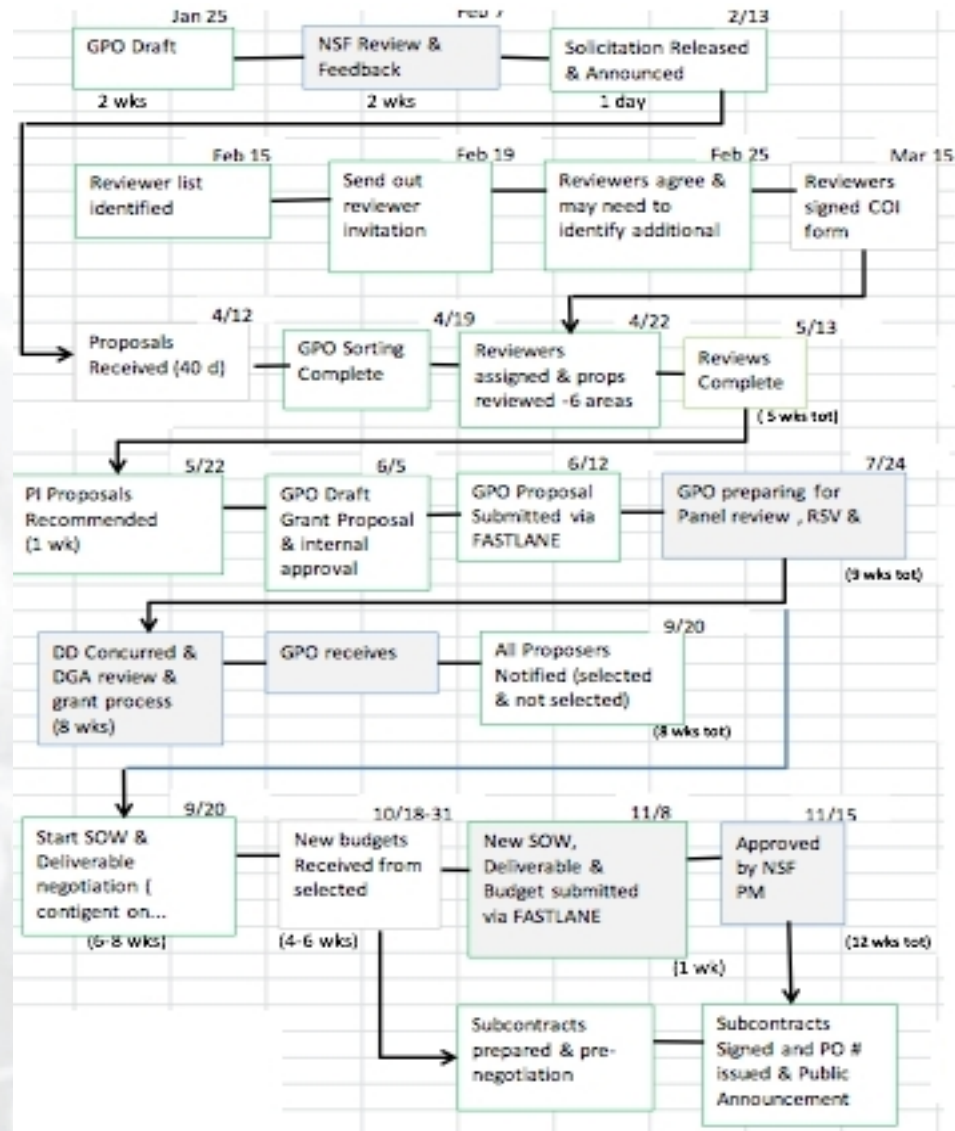
- How does experiment, service, or application stress key GENI capabilities?
 - “Although proposed experiments, services, and applications should be realistic and meritorious, it is equally important that they contribute to validating and improving GENI.
- Will service, application, or training materials developed have a broad appeal?
 - Will curriculum be used by many instructors?
 - How will service attract end users?
- Does proposer have a well-conceived plan?

- Does proposal have appropriate expertise and a plan to develop and document procedures to help move GENI from rapidly growing prototype towards an operational state?

Area E: Transition to Self-Sustaining Community

- Will proposed community structures help to build an active and growing GENI community?
- Will proposed structures develop adequate momentum to outlive the proposer's two year project?

Solicitation Schedule (Subject to changes as reality intrudes)



- Instructions for reviewers are available from the solicitation wiki page:
 - <http://groups.geni.net/geni/wiki/Solicitation4> - “For reviewers”
- HotCRP site for reviewers: <http://www.geni.net/genisol4>
 - Those who have reviewed for previous GENI solicitations should already have accounts – others, please visit and enter personal info to create your account.
- Initial panel assignments Monday, April 22
 - Expect email with assignments – contact proposalpoc@geni.net if not.
- Please review assignments for conflicts of interest right away.
 - Report conflicts to proposalpoc@geni.net.
 - We will need time to adjust the panels; some proposal assignments may change.
- Please respond to call scheduling poll right away.
- Reviews may be entered via web page or compiled offline using a text-based form and uploaded.

