GPO Update

Global Environment for Network Innovations

GENI Engineering Conference (GEC) 2

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Clearing house for all GENI news and documents

"Our founders"

The GENI Planning Group and Many, Many Working Group Volunteers

Larry Peterson, Princeton (Chair)
Tom Anderson, Washington
Dan Blumenthal, UCSB
Dean Casey, NGENET Research
David Clark, MIT
Deborah Estrin, UCLA
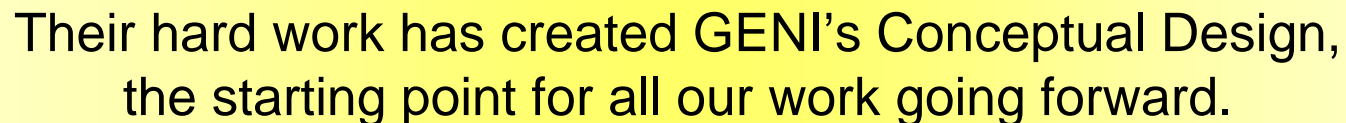Joe Evans, Kansas
Terry Benzel, USC/ISI

Nick McKeown, Stanford
Dipankar Raychaudhuri, Rutgers
Mike Reiter, CMU
Jennifer Rexford, Princeton
Scott Shenker, Berkeley
Amin Vahdat, UCSD
John Wroclawski, USC/ISI
CK Ong, Princeton

And Within NSF

Peter Freeman	Guru Parulkar	Ty Znati
Debbie Crawford	Darlene Fisher	Gracie Narcho
Larry Landweber	Cheryl Albus	Paul Morton
Suzi Iacono	Allison Mankin	

Their hard work has created GENI's Conceptual Design,
the starting point for all our work going forward.

GENI has successfully entered its new phase

May 15, '07 GPO award	June, July – Interim Arch, SE	Sep – Optics Workshop	Nov – IPR drafted, feedback mtgs	Jan – PDP, PM Adv. Board	

June, July – 7 Transition mtgs w/ GSC & working groups · Aug – New WG charters & chairs · Oct – GEC #1 · Dec - Solicitation · Feb – Proposal review, GEC #2
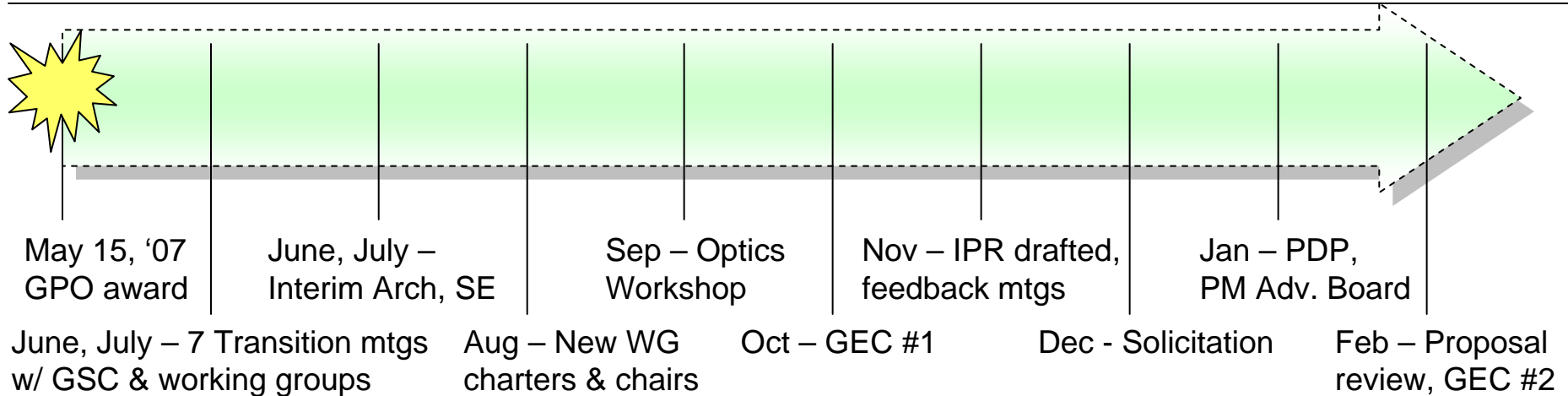
GPO Staffing
- ✓ Core staff
- ✓ Interim Architect
- ✓ 2.5 System Engs.
- ✓ Admin

Major Processes
- ✓ Working Groups
- ✓ IPR & legal
- ✓ GECs
- ✓ Solicitations

Active Outreach
- ✓ Campus visits
- ✓ Corp. visits
- ✓ Conferences
- ✓ NSF meetings

Prototyping
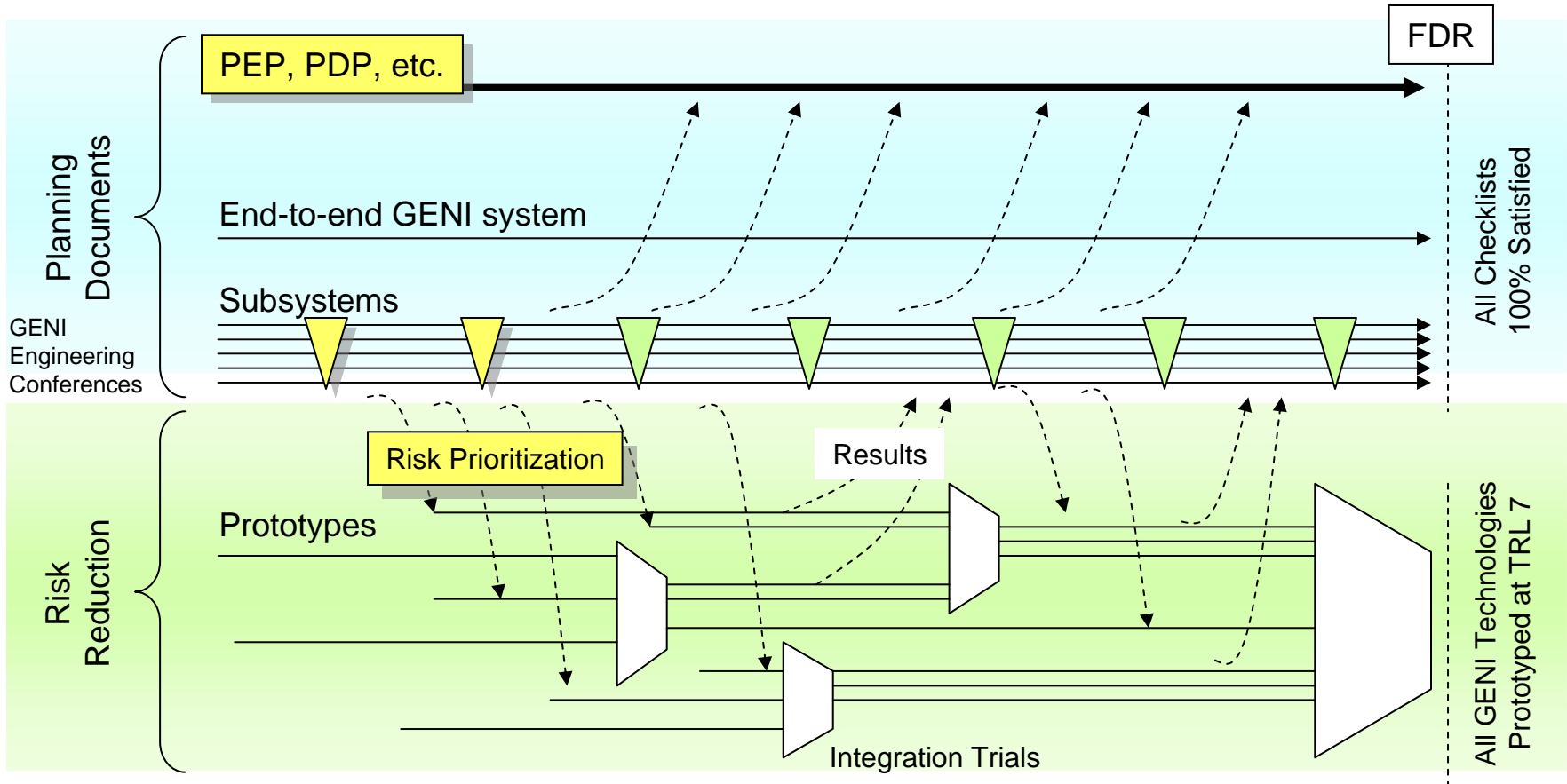- ✓ 73 proposals
- ✓ 66 reviewers
- ✓ Excellent teams

The GPO and its working groups, engineering conferences, proposal solicitation and review, etc., are up and running.

Design Documents, Schedule, Budget, etc.

Academic / Industrial Prototyping, Integration, Experiments

Status of GENI Working Groups

|	Charter	Chairs		Syseng	Wiki
Substrates	✔	✔	Patrick Crowley Joe Evans Kristin Rauschenbach	✔	✔
Facility Control Framework	✔	✔	Larry Peterson John Wroclawski	✔	✔
Experiment Workflow & Services	✔	✔	Jeff Chase Jay Lepreau		✔
User Opt-in	✔	✔	Helen Nissenbaum Henning Schulzrinne		✔
Operations, Management, Integration, & Security	✔	✔	Heidi Dempsey	✔	✔

☐ Need a good system engineer (candidates?)
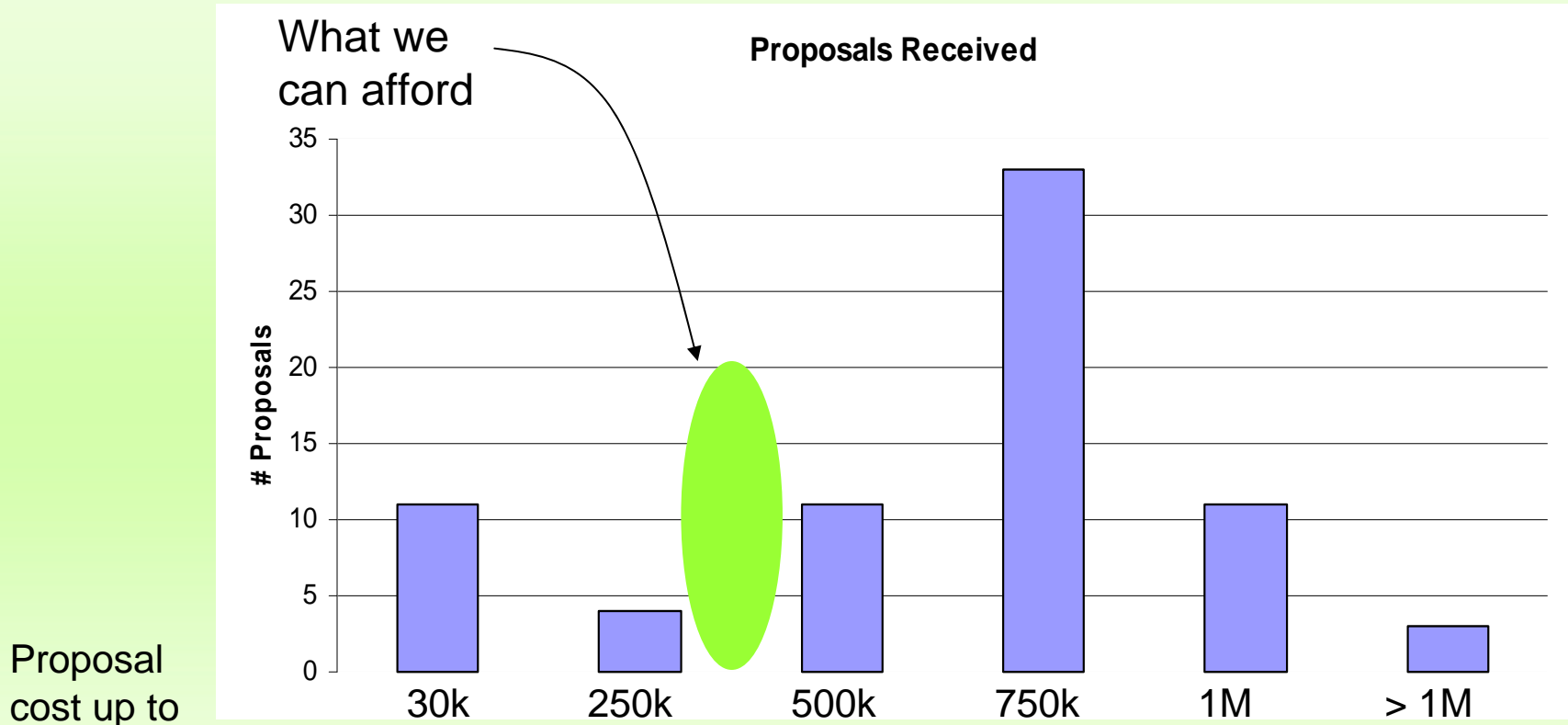
Status of formal documents

- **Solid drafts** of document tree, roles & responsibilities, IPR licenses, various processes (outreach, solicitations), . . .

- **Early drafts** of Project Development Plan (PDP), system overview, and risk register.
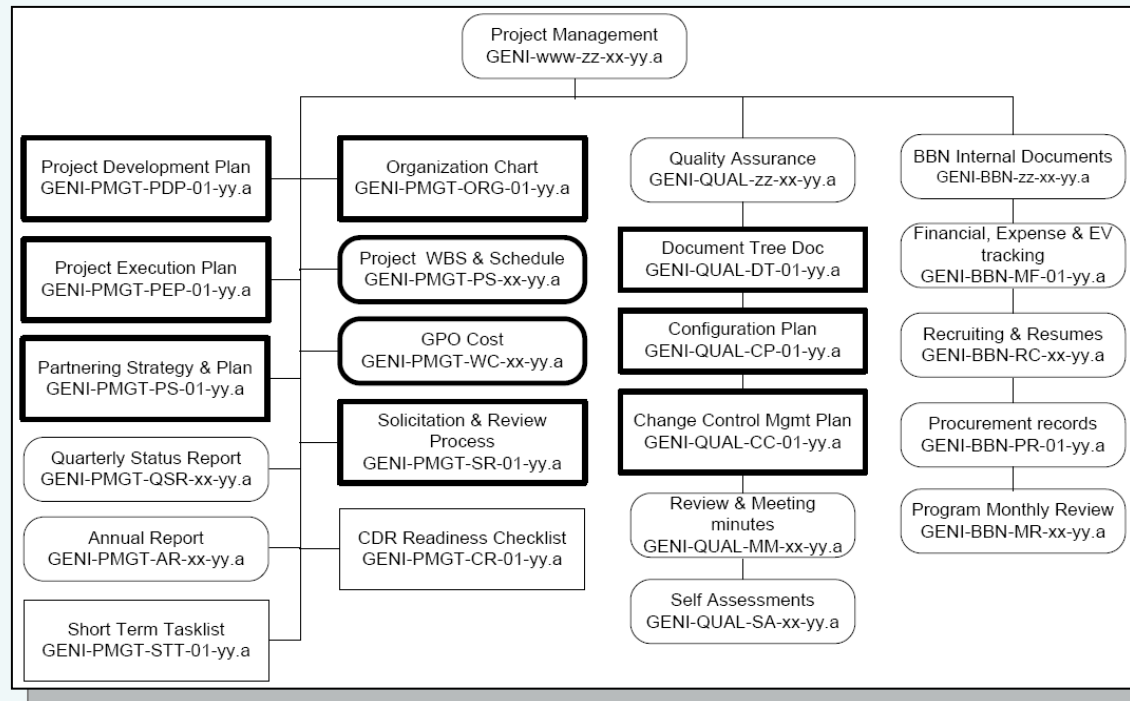
Extract from the draft GENI document tree; dark lines are formal deliverables.
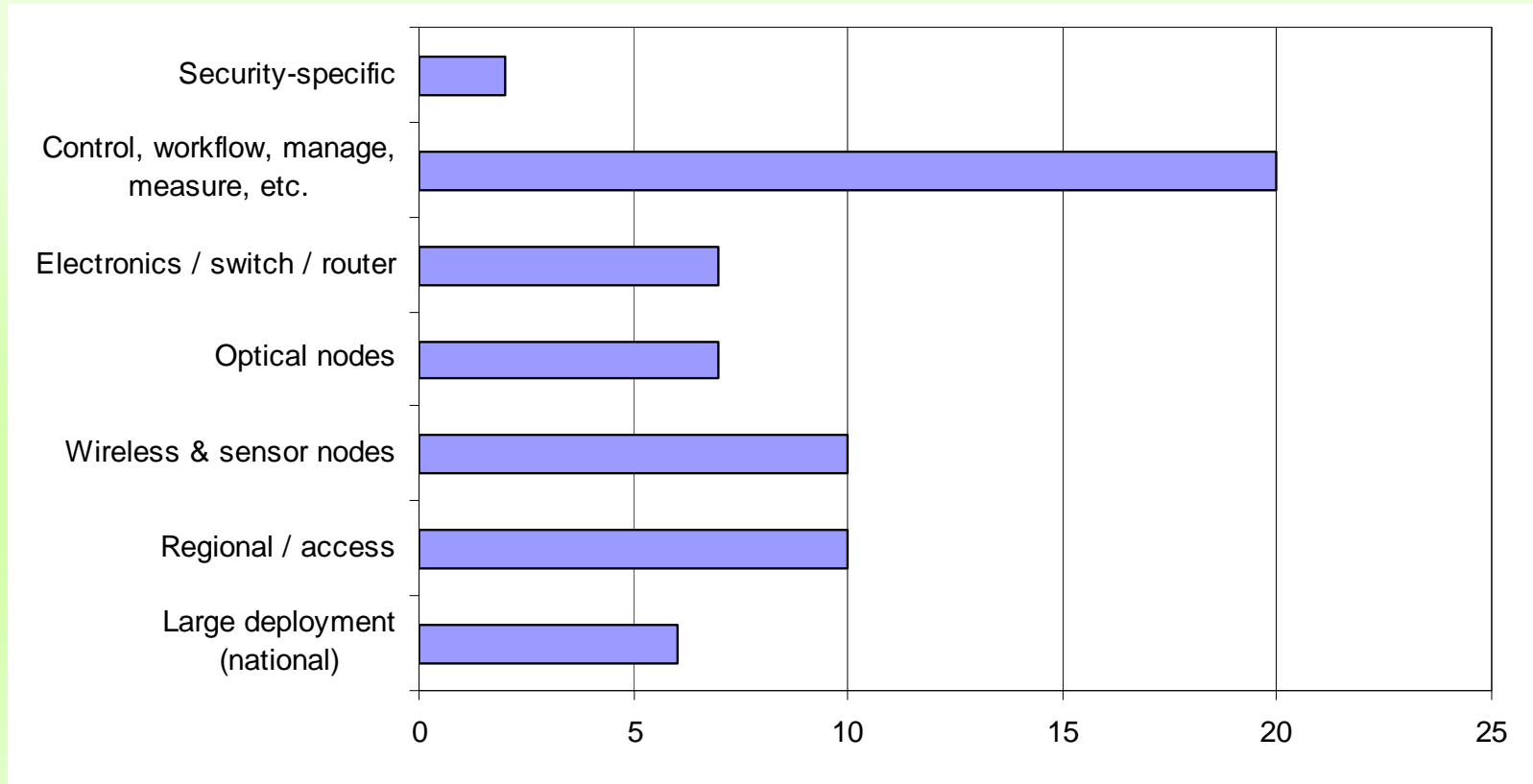
A substantial number of proposals were EXCELLENT, but . . .
the GPO will be negotiating award costs & deliverables,
because we cannot afford what you submitted.

1st GENI Solicitation – proposal areas

Notes: These groupings are very blurry; most proposals spanned multiple areas. The "control / management" areas were particularly hard to break down into disjoint subsections. This doesn't mean they were bad proposals; it's just a taxonomy problem. Also note these are for the 62 "large" proposals only.

1st GENI Solicitation – reviews & funding

- Peer reviews are underway
  - Individual reviews due late March
  - Panels meet by phone to formulate panel reviews (late March)

- Next steps
  - GPO makes decisions based on overall "best value" for GENI spanning all panels; we will try to fund competition and good ideas in all critical areas but of course are resource-constrained
  - GPO prepares overall proposal for NSF review and funding award
  - GPO begins negotiating contacts with winners – timeframe still uncertain, but we are aiming for mid to late Spring (2008)

**The GPO received many superb proposals,
and expects the winners to be funded & underway before GEC 3.**

Be bold! Be creative!
Drive the design forward!

All beginnings are difficult . . .

but we see a surprising number of *great* prototypes and trial systems up and cycling within 6 months! It's starting!

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