

Summary Discussion

NEES/E-Defense Meeting
at the
National Science Foundation
Arlington, Virginia
July 12-13, 2004

Summarized by J. M. Pauschke/NSF

Next Steps: NSF/MEXT

- NSF to revise NEESR solicitation
 - Reference NEES/E-Defense planning – identify topic areas
 - Include \$xxx for NEES/E-Defense collaborations, pending availability of funds and quality of proposals
 - MEXT to review draft solicitation language
- MEXT
 - Review Implementing Arrangement
 - MEXT approval of PI/project teams in June 2005
- NSF and MEXT
 - Sign Implementing Arrangement (target early 2005)
 - Exchange information on prospective NEESR PIs and MEXT PI/project teams in June 2005

NEES/E-Defense Collaboration Funding Situation (in millions)

Preliminary Research Budget Needs **Use of E-Defense and NEES Facilities**

| Year | Japan (no IT)* | U.S. (no IT)* |
|------|----------------|---------------|
| 2005 | \$1.5 | \$1.5 |
| 2006 | \$1.5 | \$1.5 |
| 2007 | \$4 | \$4 |
| 2008 | \$4 | \$4 |
| 2009 | \$4 | \$4 |

*Additional NIED funding for IT development (\$1.5 M) and operations (\$1 M); NEES IT funded through NEESinc operations budget (approx \$4 M). NSF funding pending availability of funds and quality of proposals

U.S. to revise numbers and send to MEXT – need input from Bridges and Steel Structures Task Groups (by early August)

NEESinc/NIED MOU

- Work out user fees (reduced rates?)
- NEESinc needs to finalize data sharing policy and facilities user manual
- Plan to sign in early 2005

Next Step: Form Joint Technical Coordinating Committees

- Fiscal Year 2005: Form Joint Technical Coordinating Committees
 - Bridges
 - Need to estimate the research costs to use both E-Defense and NEES facilities (U.S. numbers included only costs for E-Defense)
 - Planning for bridge projects, test configurations, etc.
 - Steel Structures
 - National Meeting in U.S. in September for broad community input; national meeting also in Japan; AISC to fund national workshop in the fall
 - Need planning resources for projects, drawings, etc.
 - IT Systems
 - NEESgrid, EDgrid, KOCED, etc...
 - Recommendations for EDgrid – development, operations, oversight
 - Collaborative activities – OpenSees, E-Notebook, NEESgrid extensions (OpenSees, data viewer), grid-based virtual data repository (to be done by Japan researchers), data modeling (E-Defense needs leader on this)
 - sensorGRID
 - International Standardization to Facilitate Earthquake Engineering Research Collaboration
 - International Steering (Standards) Committee – interoperability of earthquake engineering cyberinfrastructure world-wide (e.g., NEESgrid, EDgrid, etc...)

Next Steps: NEES/E-Defense Planning

- Early Planning Documents posted on web
 - U.S. – nees.org
- Establish Joint Technical Coordinating Committees – Japanese and U.S. researcher membership (funded by NSF and MEXT/NIED; U.S. side coordinated by NEESinc) - planning meetings during 2004/2005
 - Bridges
 - Steel Structures
 - IT Systems
- Executive Committee formed from Joint Technical Coordinating Committees
- Establish NSF/MEXT Steering Group under Implementing Arrangement
- May 2005: NEESinc Annual Meeting in U.S.
 - Presentations on NEES/E-Defense Planning/Joint Technical Coordinating Committees
 - Dai-Dai-Toku II PIs attend/make presentations (3-4 attendees)
 - Plans for Dai-Dai-Toku V
- June or early July 2005: International Symposium for Results of Dai-Dai-Toku II (2 days) followed by Joint Technical Coordinating Committee/Steering Group meetings – include visit to Miki for observation of June – Sept 2005 commissioning specimen (2+ days)
- Oct 2005 – early 2006: Observe Dai-Dai-Toku V tests on wooden structures
- Joint Yearly NEES/E-Defense Symposium (defer to later years when projects are underway) - 2006 and beyond