



Asia-Pacific
Economic Cooperation

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Agenda Item:

APGrid Implementation Project

Submitted by: Korea

apectel 34

**34th APEC Telecommunications and Information
Working Group Meeting – DSGI
Auckland, New Zealand
23-27 October 2006**

Evaluation of Outcomes. Framework Two

Project Overseers comment

The purpose of APEC TEL APGrid Implementation projects proposed by Republic of Korea is for helping the construction and operation of a Grid in the APEC region. It is a five year self-funded project, which started from 2002 and endorsed during the 24th APEC TEL meeting. There exist high speed networks and R&D resources in the APEC region. This project consists of three main parts. First, R&D resources in the region are connected to create a computational or data Grid. Next, Grid middleware is developed and deployed to make it easier to use the connected Grid resources. Then, Grid applications are executed over the virtual machine. The ultimate goals of this project are to enhance economic competitiveness and to solve the digital divide problem in the APEC region through better use of the distributed resources in this region. The major activities of this project are operating a Web server for dissemination of Grid technologies, hosting Grid workshop for sharing of Grid experiences, and exchanging Grid researchers.

APEC TEL APGrid Implementation projects has been contributed in the following ways to APEC economies.

- Provision of Grid R&D infrastructure for activating Grid technology and Grid application R&D
- Provision of APGrid Tools for building Grid infrastructure
- Development and dissemination of Grid middleware package (KMI-R1) for constructing the next generation IT infrastructure
- Development of Grid applications for activating Grid technology in scientific and IT applications
- Provision of Gigabit-access on research networks
- Enhancement of Access Grid Infrastructure and development of HDTV video transmission over the access Grid
- Driving to Initiate National Scale Grid Projects In APEC economies such as China, Singapore, Malaysia, etc
- Working together with international Grid projects to make the opportunities for Grid business activities and supporting international collaboration
- Hosting APGrid Workshop twice at Singapore (Sept. 2004) and Seoul, Korea (Sept. 2005) for proliferate Grid technology in APEC region to build APEC Grid
- Hosting Grid Showcase at Calgary, Canada (Apr. 2006) to increase the publicity of Grid technology through showing the real Grid application demo

APEC TEL APGrid Implementation projects has been performed well and given many good influences to APEC economies.

Signature: Jae Suk Lee

Name: Jae Suk Lee,
Deputy Director of Internet Policy Division, Ministry of Information and Communication (MIC),
Republic of Korea

Evaluation group Assessment

| # | Criteria | Explanations (what to look for) | Comments (if any) | Assessment |
|---|---|--|-------------------|------------|
| 1 | Were all the objectives fully achieved? | What exactly were they? (What skills were improved – from what level to what level; was capacity built and institutions strengthened – by how much? Was economic efficiency and performance increased – how was it measured?) | | |
| 2 | Were all the outputs fully achieved? | Were they also of a satisfactory quality? | | |
| 3 | Are project benefits likely to be sustainable? | Were the constraints to the benefits lasting beyond project completion addressed during implementation? | | |
| 4 | Has the completed project contributed to a priority APEC theme? | Has it contributed to one of the priority themes in the 1996 Manila Declaration, or has it been directly relevant to one specific priority set by APEC Ministers and Leaders, or a vision statement from a working group. | | |
| 5 | Any other relevant points? | For example, list the lessons learned; are they useful and have they been communicated to other interested parties? | | |
| 6 | In your judgment has the project been successful? | To what extent were the objectives achieved and how relevant were they? What useful lessons have been learned for future projects? Based on current information, could this project be earmarked for an impact evaluation in the future? | | |

Comments by Lead Shepherd:

Lead Shepherd's Signature:

Comments by Secretariat: