



Education and Research oriented Network in the World

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HPIIS

- High Performance International Internet Service
- From 1999 to 2005
- Awards
 - TRANSPAC-APAN
 - MírNET-Russia
 - EuroLink

IRNC

- International Research Network Connection
- From 2005 to 2010
- Awards
 - Gloriad
 - TransPAC2
 - TransLight/EuroLink
 - TransLight/Pacific Wave
 - WHREN

International Research Network Connections (IRNC) Activities

US National Science Foundation supported international connections program

\$35M USD to be distributed as follows:

Production Network Projects	25M USD	1M/yr for 5 yrs for up to 5 projects
Experimental Network Connections	5M USD	0.75M/yr for 2-3 yrs
Special projects	5M USD	0.75M/yr for 2-3 yrs

IRNC (2)

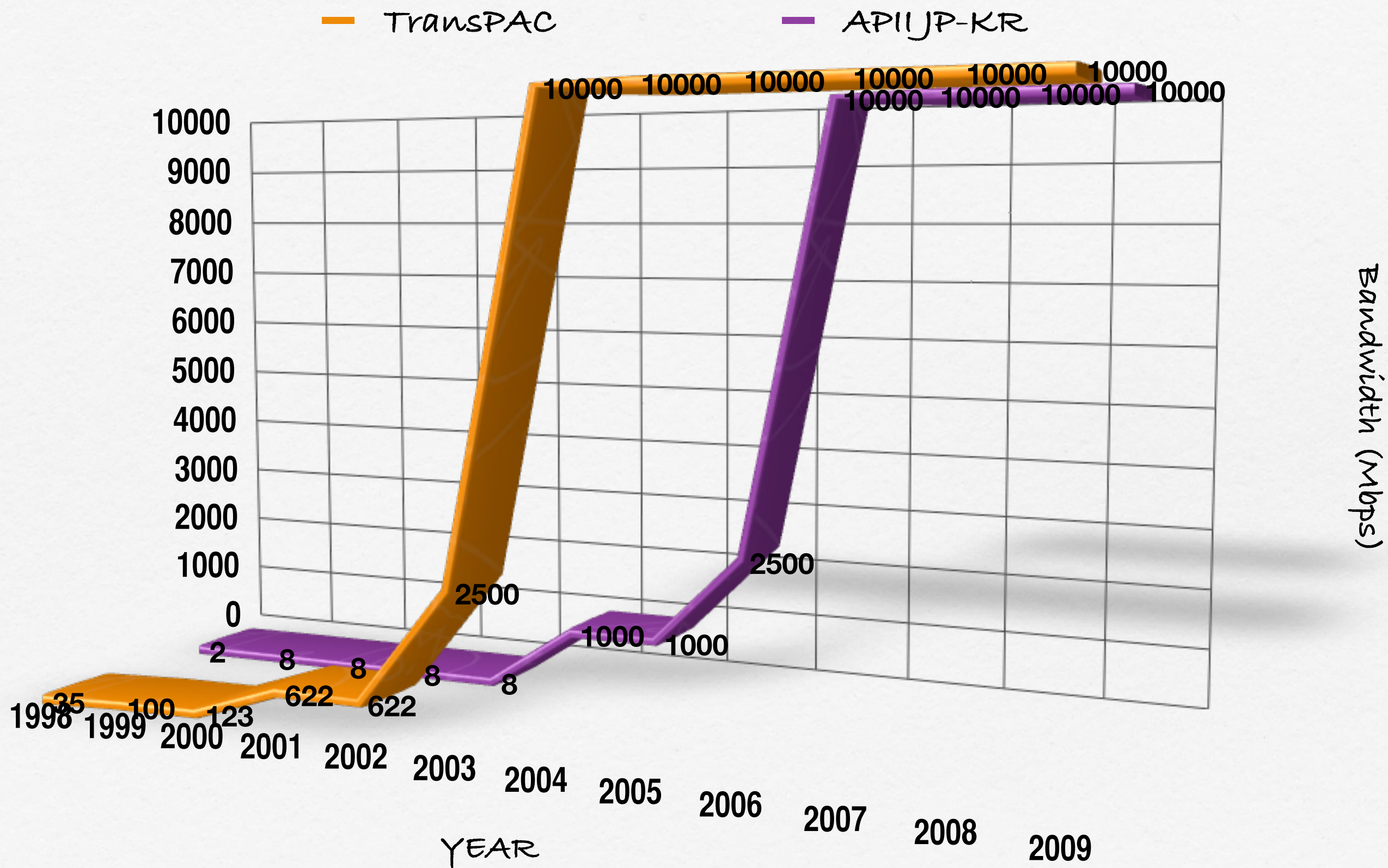
Responses for solicitation due 21- August

Awards made about 1-January-2010

New infrastructure in place about 1-July 2010

Requirements of the Production Network

- Stable and reliable operation
- Security
- Advanced services
 - perfSONAR
 - DCN



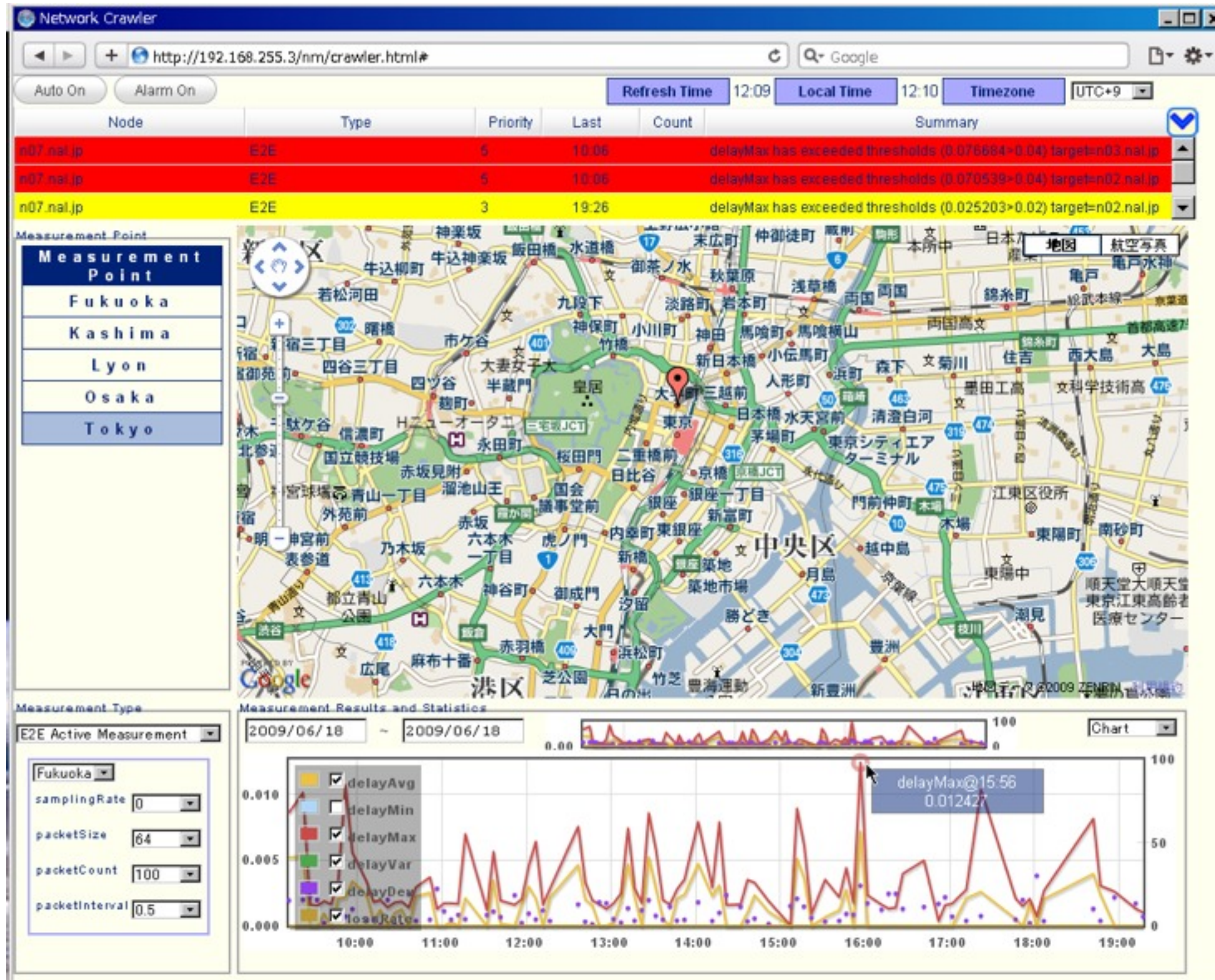
Bandwidth

- ☐ There are no cables which can handle 100Gbps in the Pacific-Oceania area yet.
- ☐ It is very hard to find out 40Gbps ready cables, too.
- ☐ There are no 100Gbps interfaces for the end users, yet.
- ☐ Multiple 10Gbps links are the actual stage.

Advanced Service Support

- perfSONAR is required.
- user interface application of perfSONAR is required.
- DCN facility is required.
- DCN and perfSONAR operators are required.

Chart View



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