

Regarding Utilization of JGN2plus

In principle, anyone can use JGN2plus, if their purpose is research and development, and if there is a research partner located in Japan. Please refer to the JGN2plus web page for details on services of JGN2plus, and how to utilize the JGN2plus services.

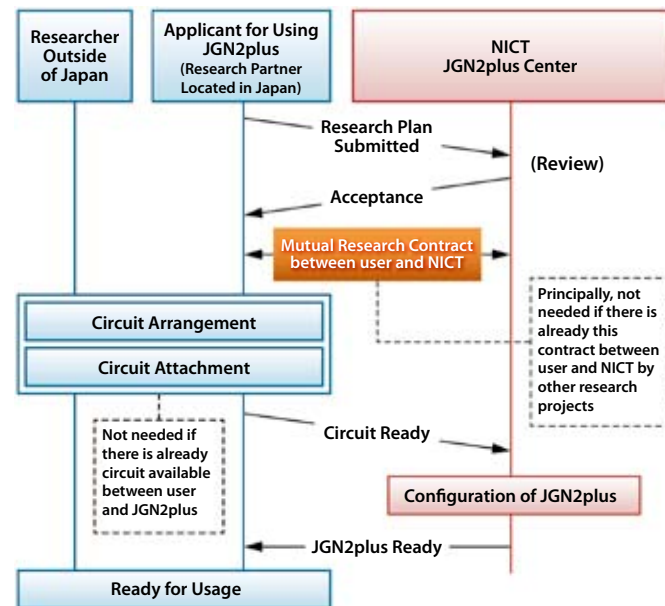
<<http://www.jgn.nict.go.jp/english/>>

Notes on JGN2plus usage

- The term of usage is from April, 2008 to March, 2011 (planned).
- Through your research partner in Japan, please send your "JGN2plus Research Plan"^{*10} (research project summary, research organization information)" in advance to JGN2plus center.
- JGN2plus center will confirm that your research plan is indeed research and development, and that it is possible to use the JGN2plus service from a technical standpoint.
- It is necessary to conclude a "Mutual Research Contract Regarding Usage of JGN2plus Service" between user and NICT on usage.
- It is needed to install an access circuit to an access point, PAP, or PNW after concluding the contract to use JGN2plus.
- Please refer to the usage guidelines for using JGN2plus.

^{*10}: Please download the format for "JGN2plus Research Plan" from the following URL.
<http://www.jgn.nict.go.jp/japanese/procedure/document.html>

《 JGN2plus Utilization Procedure 》



Local Contacts

Ministry of Internal Affairs and Communications
Technology Policy Division, Global ICT Strategy Bureau

Bureau of Telecommunications

Hokkaido Bureau of Telecommunications
Telecommunications Business Division, Information and Communications Department

Tohoku Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Kanto Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Shinetsu Bureau of Telecommunications
Information and Communications Development Office, Information and Communications Department

Hokuriku Bureau of Telecommunications
Telecommunications Business Division, Information and Communications Department

Tokai Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Kinki Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Chugoku Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Shikoku Bureau of Telecommunications
Telecommunications Business Division, Information and Communications Department

Kyushu Bureau of Telecommunications
Information and Communications Collaboration Promotion Division,
Information and Communication Department

Okinawa Office of Telecommunications
Administration Division, Information and Communications Department

Advanced Testbed Network for R&D

JGN2plus

Start for The New Generation Network

Head for the future of ICT Society
with JGN2plus!



JGN2plus looks for the visions of the future ICT society through activities in R&D and the future of New Generation Network

The National Institute of Information and Communications Technology (NICT) has launched the operation of research and development testbed network, JGN2plus, which further extends the capabilities of JGN2. The newly established research center, SPARC, will be the center of R&D activities which will drive the wide research collaboration activities with the industry, the academia, the government and regional organizations.

JGN2plus Network

JGN2plus is a three-year project starting from April, 2008 which consists of activities and operations of an open testbed network for R&D. JGN2plus extends the activities which started in as JGN from 1999, and continued as JGN2 from 2004.

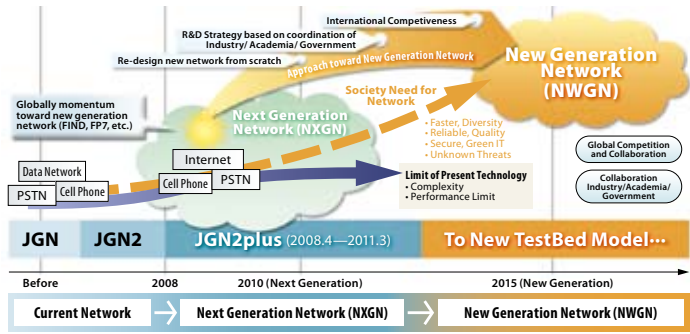
JGN2plus will support NICT's driving activities for the development of the New Generation Network, and is the core of the new research center (SPARC). It is also an open testbed network to researchers for advanced R&D activities in networking, field tests, and experiments for various applications.

Activities on JGN2plus and SPARC*1, the New Research Center

Driving the R&D for New Generation Network

1. Collaboration with industry, academia, government, regional organizations to drive the activities toward New Generation Network, R&D on network and applications.
2. Through field research activities, fostering of IT researchers.
3. Activities with regional organizations through R&D activities and network interconnections through PAP*2/PNW*3.
4. Promotion of application R&D activities using JGN2plus with public awarded research funds.
5. Promote R&D activities not only inside Japan but also researchers world-wide with implementation of international circuits.

Activities toward New Generation Network



Establishment of SPARC, Center of R&D

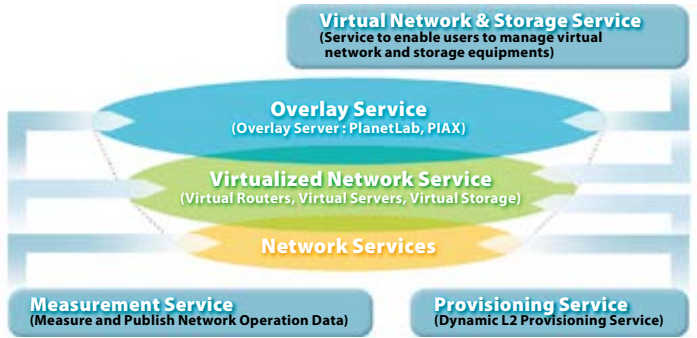
1. To efficiently promote of R&D activities using JGN2plus, SPARC has been established.
2. Main research theme is "Research on Operations and Management Technologies for New Generation Network."
3. We will further promote R&D activities inside SPARC by setting 6 research topics*4 to be focused on.

*1: SPARC/ Service Platform Architecture Research Center
*2: PAP/ Partnership Access Point
*3: PNW/ Partnership Network
*4: 6 research topics/ Refer to "Research Projects Supported by SPARC" for details.

2 Types of JGN2plus Services

In addition to the existing "Network Service," which allows flexible usage for R&D and field tests by interconnecting with various networks, JGN2plus will offer after April, 2009 "Platform Service (Trial)"*5 which will further collaborate operation and R&D activities for realizing New Generation Network.

Platform Service (Trial) Offered After April, 2009 (planned)

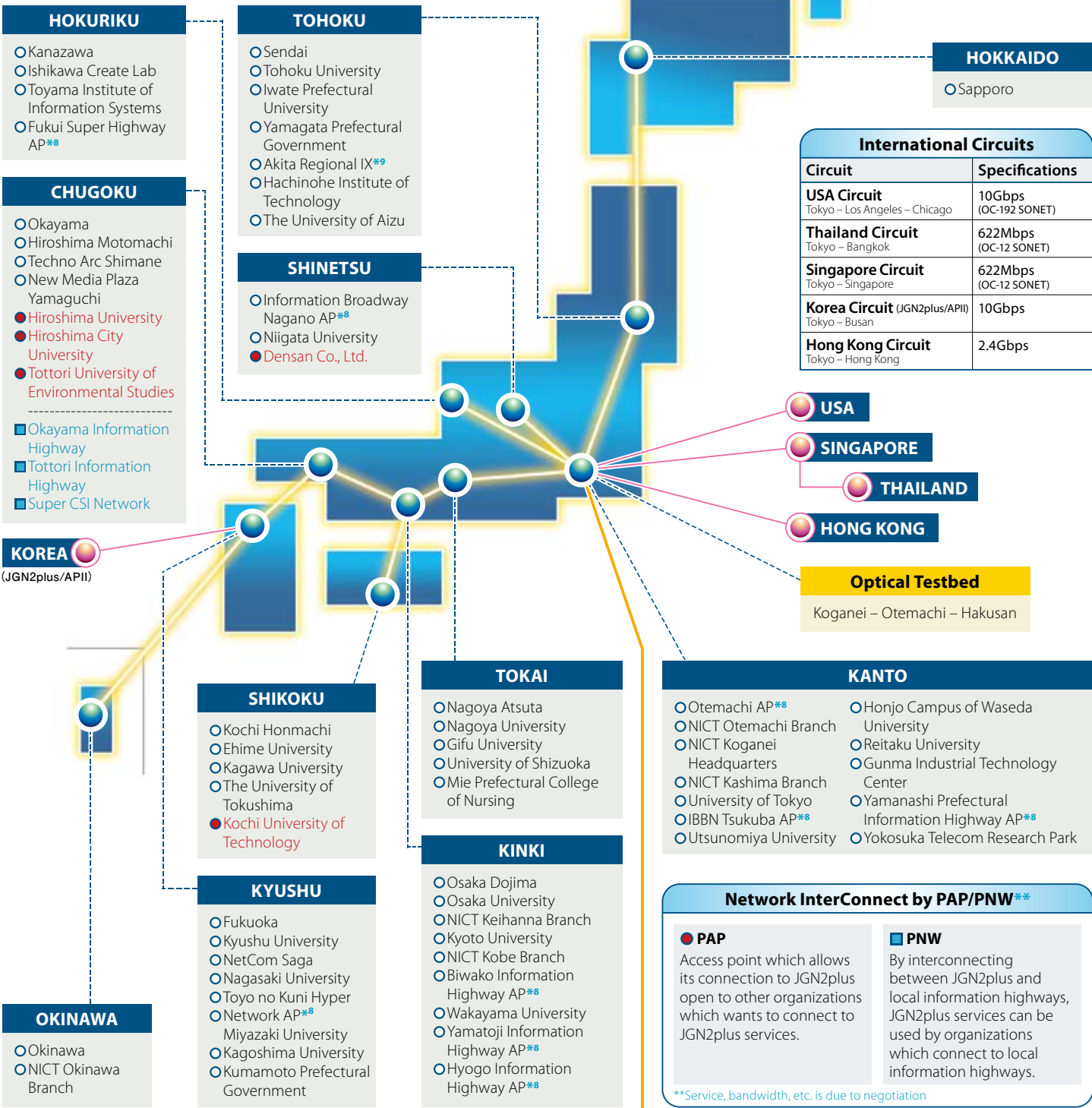


*5: Platform Service (Trial)/ This menu is still under planning, so service, date, may change without notice.
*6: PlanetLab/ A distributed testbed platform for networking and system research, which in Japan is known as PlanetLab Japan, where NICT and University of Tokyo serves as core members. JGN2plus plans to promote this research activities in cooperation with NICT Hakusan Research Laboratory and University of Tokyo.
*7: PIAX/ A P2P agent platform developed by University of Osaka et al. for Research and Development Program of "Ubiquitous Network Authentication and Agent" and "Ubiquitous Service Platform" funded by Ministry of Internal Affairs and Communications.

JGN2plus Network [As of October, 2009]

○ Access Point 58 Access Points
● PAP (Partnership Access Point) 5 PAPs
■ PNW (Partnership Network) 4 NW

*8: AP/ Access Point
*9: IX/ Internet Exchange



Research Projects Supported by SPARC

JGN2plus project has its own research project under SPARC with the theme "Research and Development on Operations and Management Technology for New Generation Network (NWGN)." It has 6 research topics under the theme, as described on the right figure.

SPARC will promote research aiming for NWGN by collaborating with: various NWGN forums, oversea development projects, public funded research projects, JGN2plus research projects.

