

NREN update

NREN: NICT/JGN

Country: Japan

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The 3rd Asi@Connect Project Meeting/ March 26 2018 Matrix Building, Biopolis, Singapore



Organization

NICT

National Institute of Information and Communications Technology



The Solo National Research Institute in the field of ICT in JAPAN.

- ICT for Sustainable World and Human Happiness
- Promoting its own research and development
- Cooperating with and supporting industry and academia



Industry/Academia/Government Innovation Platform



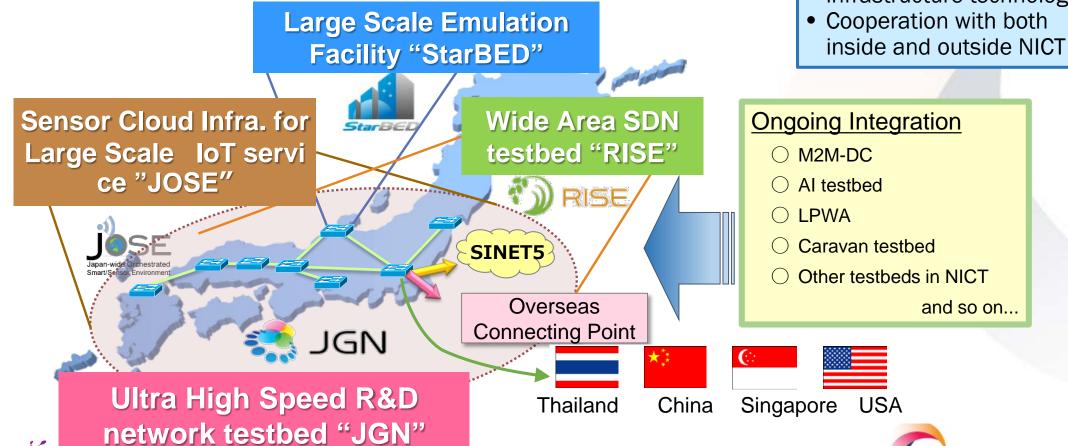


Organization

Testbed: Place for field trials of New Technologies

Accelerating technical demonstration and actual proof in society as a unit

- Integration of NICT's testbeds on JGN Infrastructure
- activating testbeds use and application
- Establishment of testbed infrastructure technology
- Cooperation with both

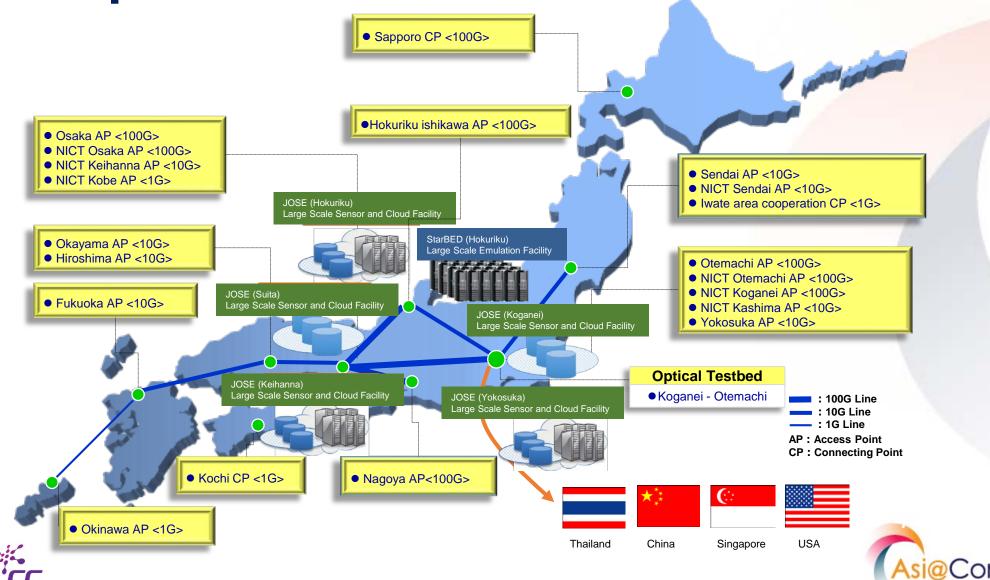








Network update: Domestic Networks



Network update: Global Networks

Launch

Tokyo-Hong Kong-Singapore 100 Gbps Lines

in November 2017

Cooperating with SingAREN/NSCC

100Gbps lines Launch Ceremony

1 December 2017 in Singapore





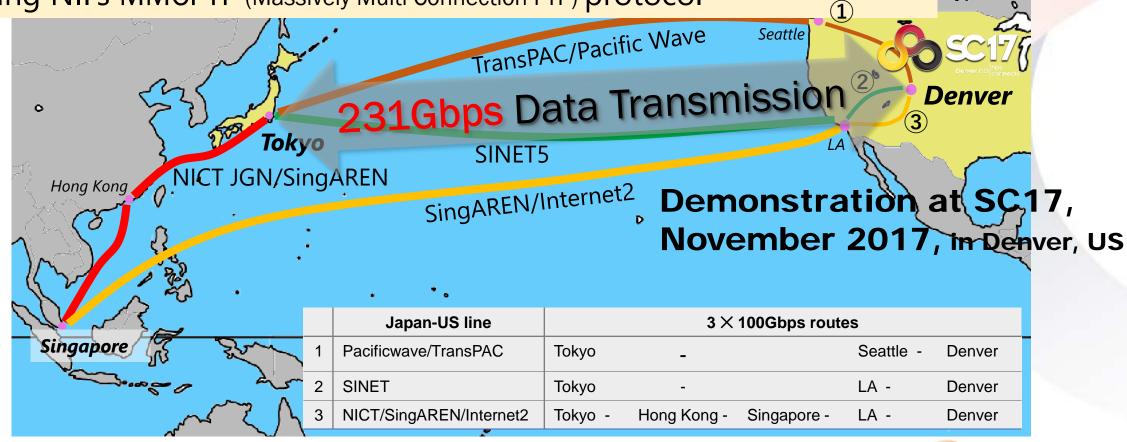




Activity update 1

231Gbps data transmission over 100 Gbps × 3 routes

Using NII's MMCFTP (Massively Multi-Connection FTP) protocol







Activity update 2

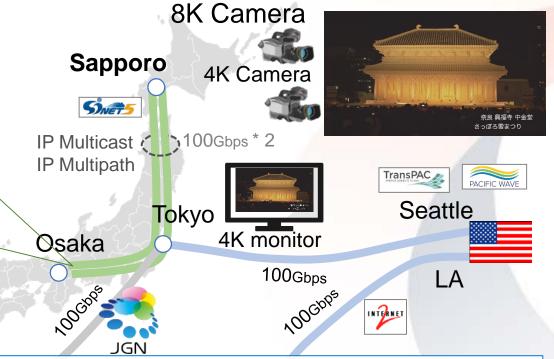
Sapporo Snow Festival Demonstration



8K Uncompressed Video **Transmission**





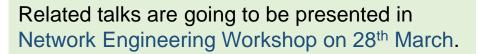




Total 54 organizations joined the demonstration in 2018, including Broadcasting Companies, Telecom Carriers, Network equipment manufactures, AV manufactures, Universities, Research Institute, NRENs,,,,









Thank you!!





