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[Organization]

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[Subjects of Research and Development on JGN2 R&D Project] Access Network Technology

■ To realize efficiently communication with high quality in the next generation Internet, we conduct R&D in the following three sub-themes focusing on the technologies to adequately utilize and allocate various kinds of limited network resources.

1. Adapting Routing Technology Based on Network Measurement:

Technology to dynamically optimize (select/control) routing on the core network for the various access network connections based on the network measurement.

2. Seamless Resource Allocation/Utilization Control Considering QoS:

Technology to utilize and allocate efficiently and dynamically network resources within the various kinds of access networks including mobile and wireless communication, considering communication quality.

3. End-to-End Communication Control Adaptive to Diversity and Variability:

Adaptive transport and application layer network technologies to improve performance and reliability of the end-to-end communication across various access networks and super-high-speed core networks.

