

F-06

Anticipating the Evolution to 6G Networks - Relief from the stresses of device capacity and network operation -

Social Issues that we have focused on

Service providers need to have practiced skills and detailed knowledge for network construction and operation. From the service users' perspective, they cannot use the new services unless they have a device that meets the requirements of the services.

Initiatives to resolve issues

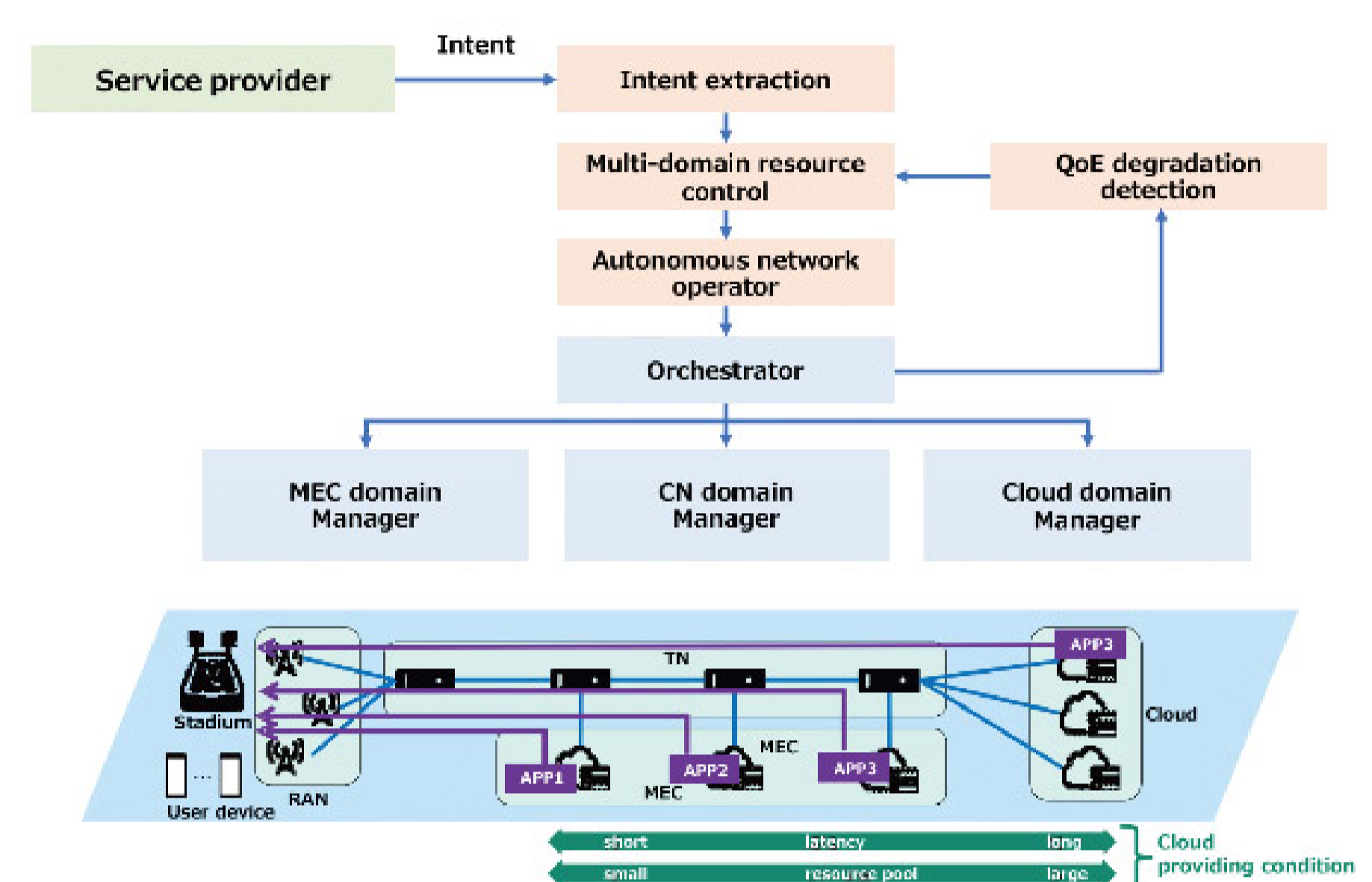
Overview

We are working on two technologies. Intent driven management enables autonomous network configuration and management to meet the requirements of service providers without the need for detailed network knowledge. ISAP is a computing platform that provides the resources necessary for service use by devices and networks in a cooperative manner.

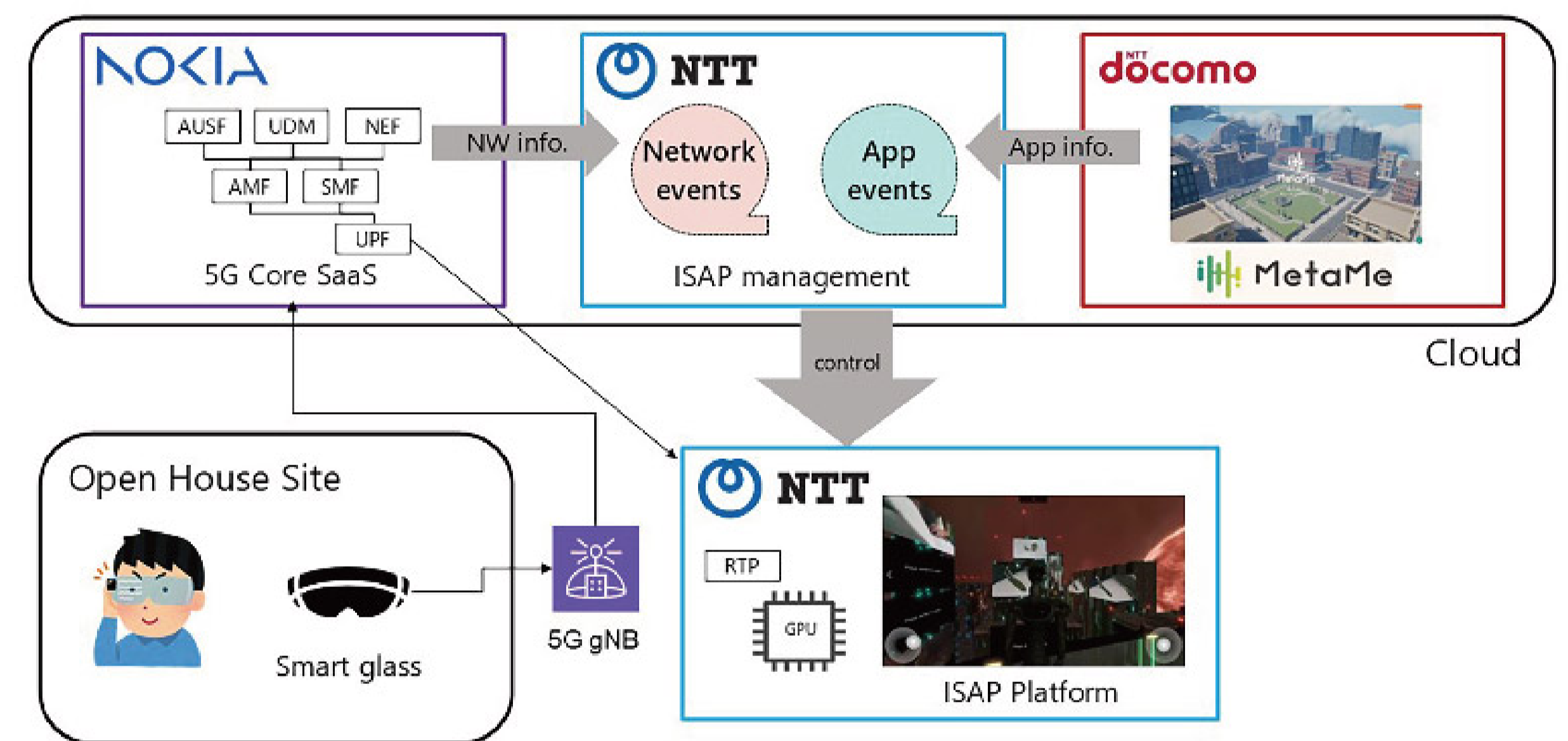
Technology to Support Initiatives

Intent driven management interprets the requirements of service providers in natural language, and based on this interpretation, creates a detailed design and operational plan, then configures and monitors the network. From the service and network event information, ISAP dynamically allocates the computational resources required by each devices to use the service.

Intent driven management system



ISAP(In-Network Service Acceleration Platform) System Configuration



Co-creation
Partners

【Intent driven management】NEC Corporation
【ISAP】Nokia Solutions and Networks Japan G.K.

SDGs



Service providers can compensate for labor shortages by simplifying and saving labor in network configuration and operation. Service users will be able to use the latest services without replacing their devices.

We will create a world of stress-free network operation and usage.