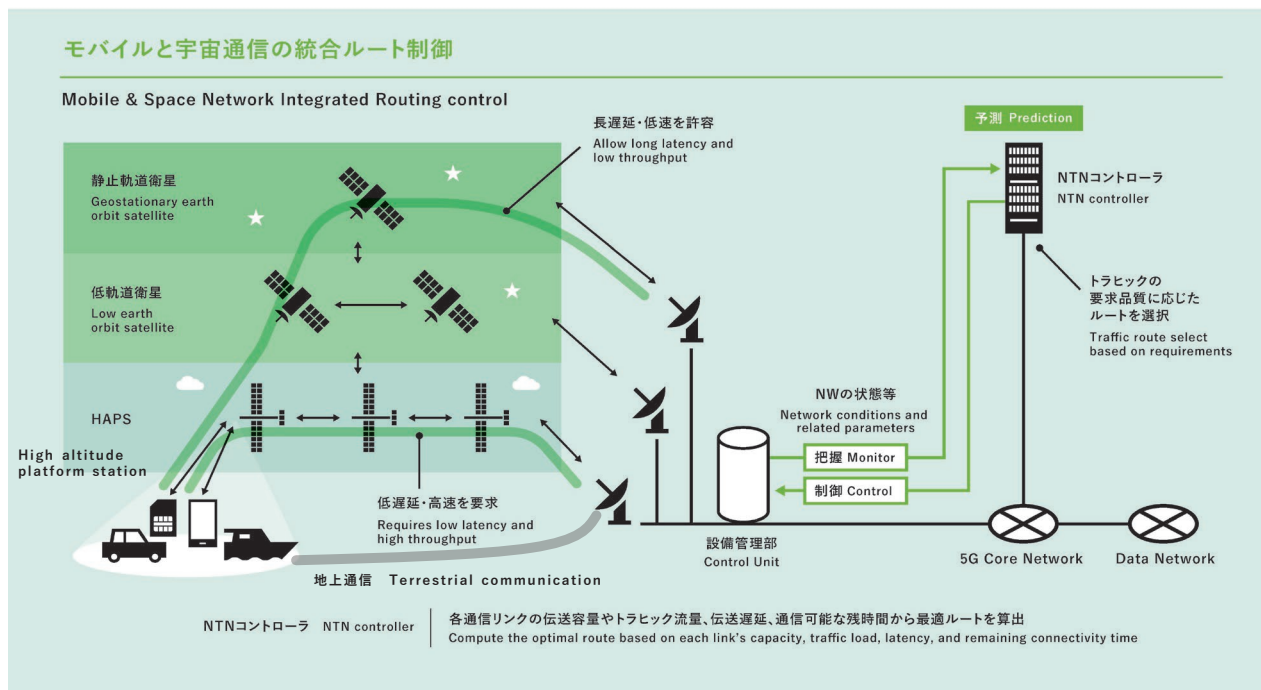


Improved service quality through route control according to service Mobile & space network integrated routing control

Background and Technical Challenges

Space communication consist of a vast network, and since the QoS can vary greatly due to various factors, optimal routes must be determined using comprehensive information.



R&D Goals and Outcomes

Mobile communications empowered by a space network will develop new demand with its coverage expansion and improve in quality.

Key Technologies

01 Core Technologies

Integrate and orchestrate terrestrial and space mobile networks, adapting to real-time conditions and per-service QoS requirements, and select and configure optimal routing paths using application-specific cost functions.

02 Key Differentiators

Traffic routes are determined by service-specific QoS and unstable link capacity due to weather besides the conventional communication quality depending on its satellites and/or HAPS link condition.

Use Cases Aerospace & Defense

R&D phase Research

Technology Schedule FY27–29

Commercialization Schedule After FY30

【Exhibitors】

NTT Access Network Service Systems Laboratories

【Contact】

Wireless Entrance Systems Project

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