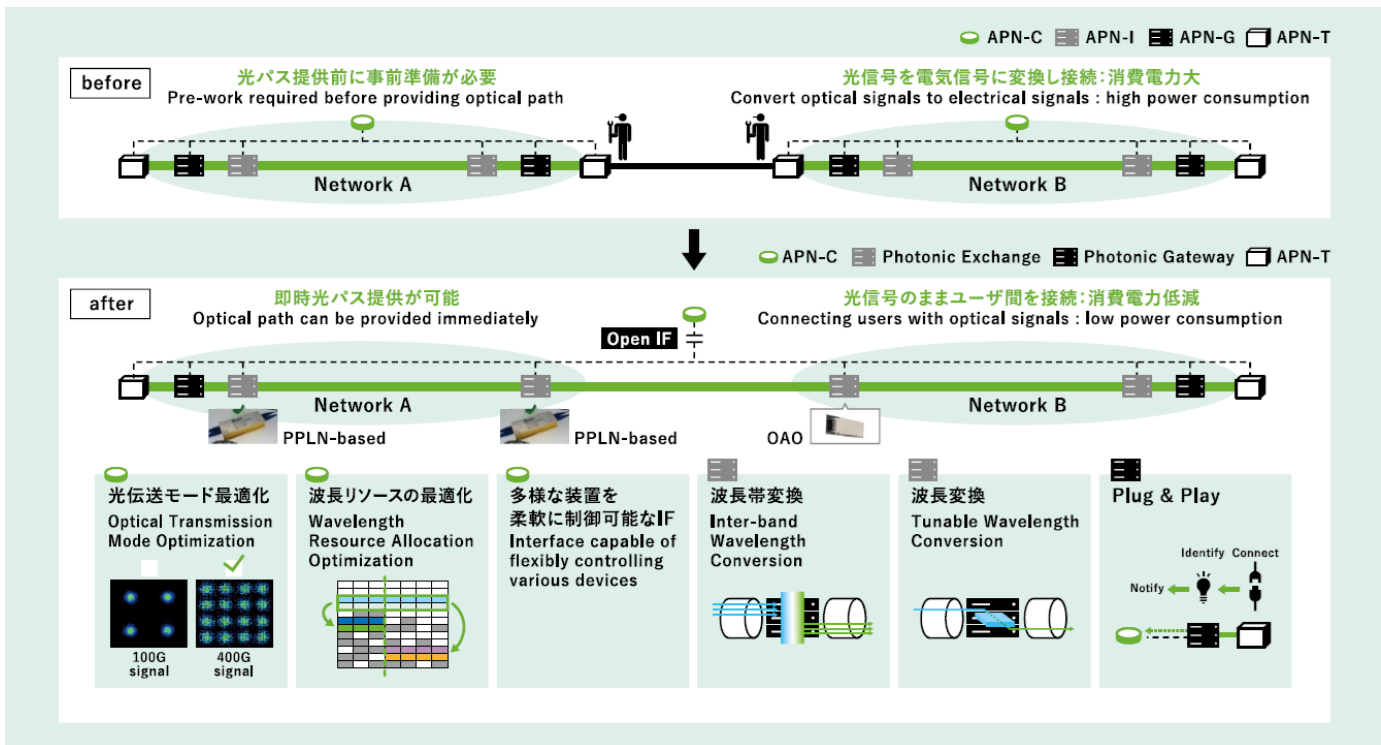


Connect to the APN whenever and wherever you need it On-demand optical network

Background and Technical Challenges

APN requires the capacity to configure routes, wavelength and optical paths in less than minutes instead of days.



R&D Goals and Outcomes

Technologies for designing optical path routes and wavelengths, along with wavelength conversion, enable APN on-demand connection.

Key Technologies

01 Core Technologies

- Optical Transmission Mode and Wavelength Resource Allocation Optimization
- Open IF capable NBI and SBI
- Wavelength Conversion
- Plug & Play

02 Key Differentiators

On-demand optical path setting technology which integrates IOWN Global Forum-compliant implementation, incorporating path design leveraging wavelength conversion has not been put on the market.

Use Cases Sports

R&D phase Research

Technology Schedule FY25-26

Commercialization Schedule FY27-29

【Exhibitors】

NTT Network Service Systems Laboratories, NTT Access Network Service Systems Laboratories, NTT Network Innovation Laboratories, NTT Device Technology Laboratories

【Contact】

Optical Transport Research Group

【Co-exhibitors】

NEC Corporation (Collaborative Research),
Incl. results from NICT grant program (JPJ012368G60301)

【Related Links】

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