

High-performance optical transport with crypto agility



Background

Quantum computers are expected to play a role in various fields. On the other hand, they can break cryptosystems currently in use. Therefore, it is necessary to consider "crypto agility" which is the ability of cryptosystems to respond quickly and flexibly to security threats.

Summary

We introduce "Elastic Key Control technology" that enables quick and flexible combination and selection of secure cryptographic algorithms and key distribution protocols. This technology brings efficient migration of cryptosystems while maintaining a high level of security.

Feature 1

Secure cryptographic algorithms can be adapted quickly and flexibly according to user needs

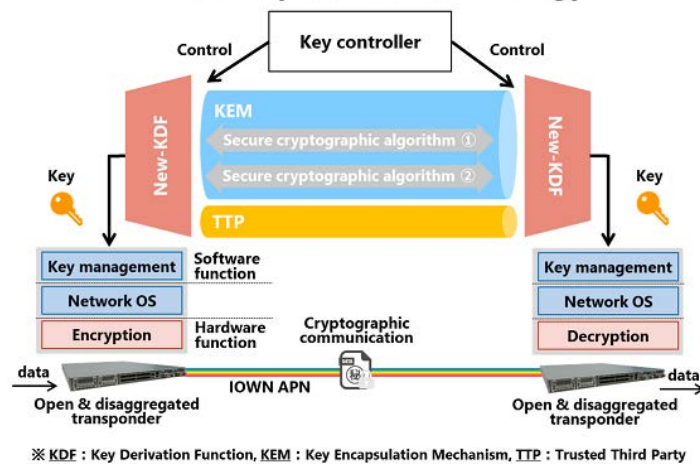
Feature 2

Supports various Open & disaggregated transponders by implementing a key management function that does not depend on the network OS

Feature 3

Enables easy linkage between optical transmission equipment, various other equipment and key exchange systems

Elastic Key Control technology



Future benefits

We will contribute to the realization of IOWN concept by providing security technology against unpredictable information security threats.

Related Exhibits

N-N01, N-N05, N-E12

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION, NTT Communications Corporation

Contact

rdforum-exhibition@ml.ntt.com