

of Information and Communication Technology in Japan(NICT).



Target System

Objectives of operation

- Maximization of throughput
- How to?
 - Dynamic rearrangement of optical path and packet forwarding route
- Target
 - Tbit/s node using optical layer cut-through

Expectation

- Improvement of efficiency of resource utilization in IP optical multi-layer network
- Multi-service network, SLA, provisioning, etc....

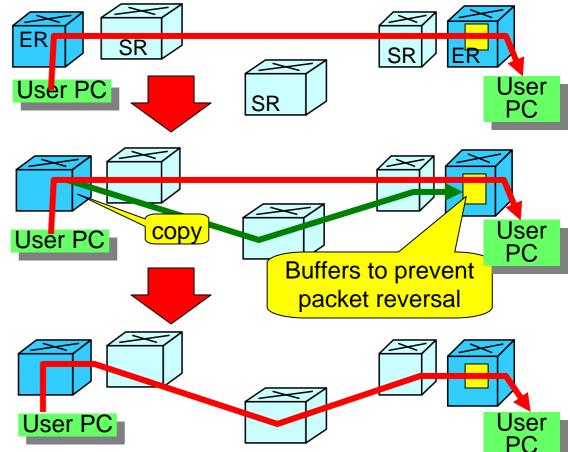
Demonstration of key technology 1

GMPLS PSC packet loss-less route rearrangement for multi-layer network reconfiguration





Experimental platform PC-AT x86 architecture (Manufactured by other bender) Base signaling protocol GMPLS RSVP-TE Buffers to prevent packet reversal 100MByte Mechanism of packet loss-less network reconfiguration 1:New path allocation 2:Packet forwarding using both paths 3:Change the packet to be forwarded to the user at the egress ER 4:Tear down the old path



GMPLS LSC node and path computation element

