

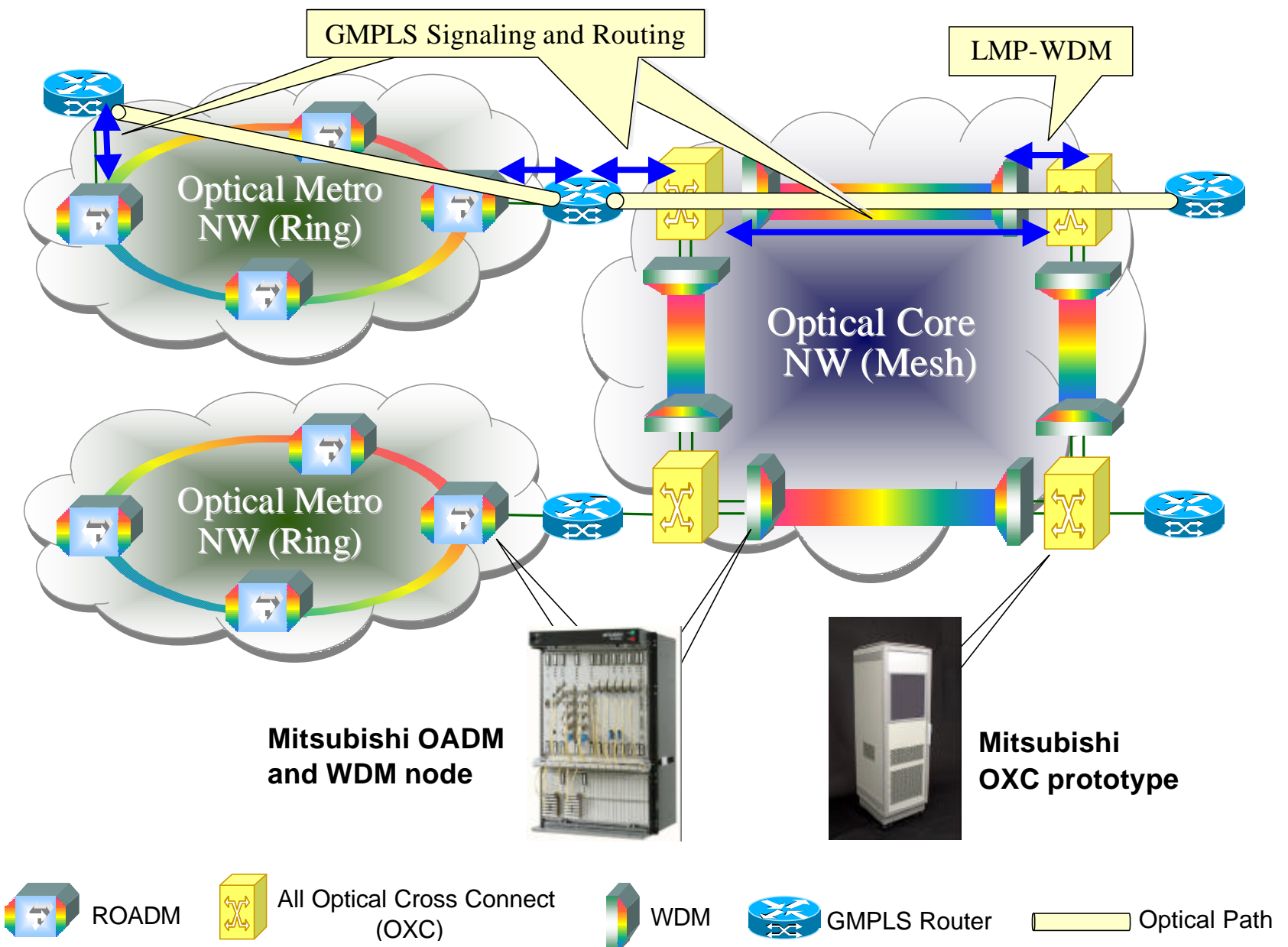
# GMPLS Aware Optical Transport Systems

## [Features]

- A large capacity and high reliability IP Optical Network is realized by coordination of routers and Optical Transport Systems (OXC, WDM, ROADM) by GMPLS.
- In the optical core network, transmission quality monitor and re-route function is realized by all optical cross connects cooperating with WDM equipment.
- In the optical metro network, a flexible network adapting to the traffic demand is realized by GMPLS path signaling.

ROADM : Reconfigurable OADM

## Next Generation IP Optical Network



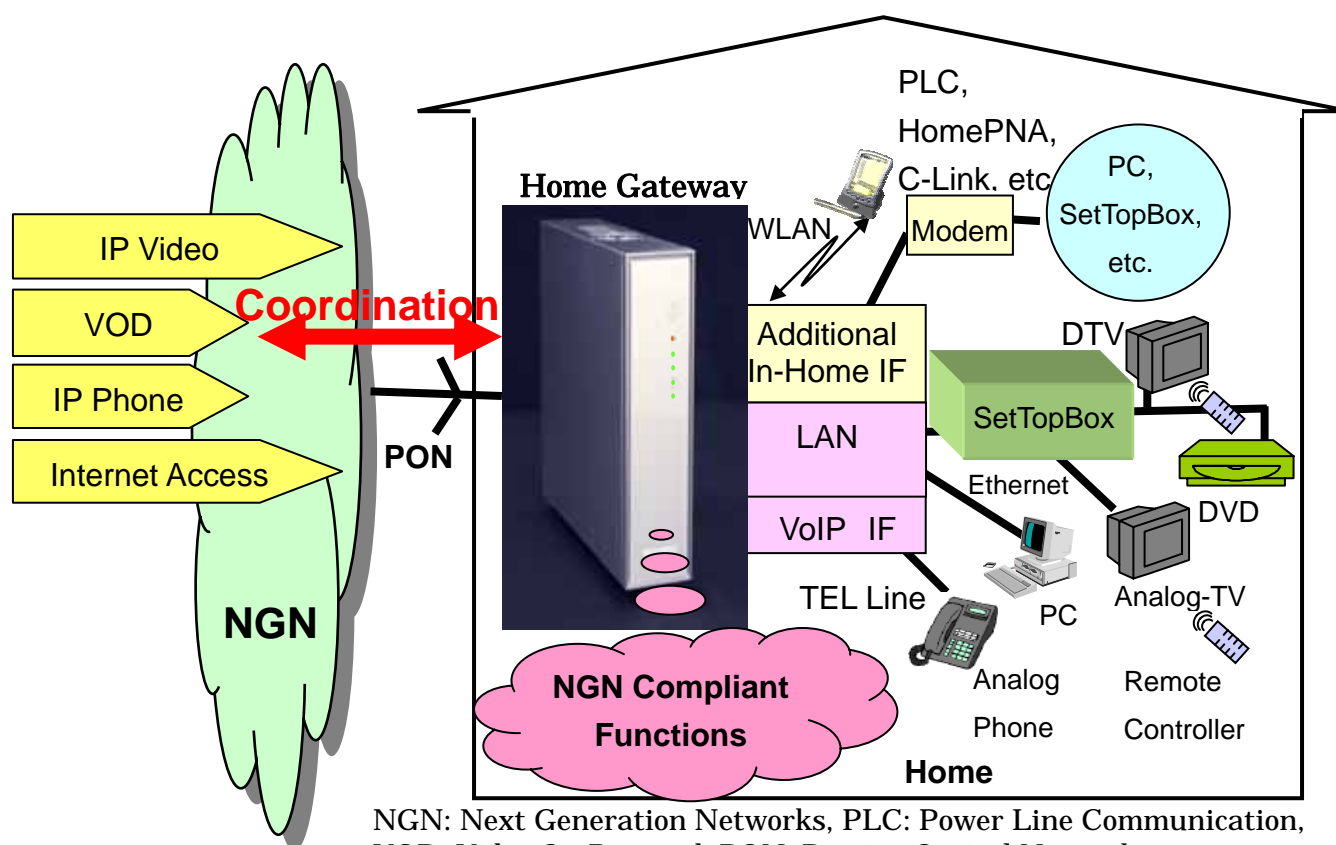
# Communication Control Functions For NGN

Providing Communication Services with Appropriate Quality for Voice,  
Video and Any IP Communication

## [Features]

- Provide session and QoS control functions for NGN discussed in ITU-T and MSF.
- Automatically map session attributes into QoS parameters.
- Reserve required network resources during the session establishment.

ITU-T: International Telecommunication Union – Telecommunication Standardization Body,  
MSF: MultiService Forum



NGN: Next Generation Networks, PLC: Power Line Communication,  
VOD: Video On Demand, PON: Passive Optical Network,  
VoIP: Voice over IP

## Application Example – Home Gateway