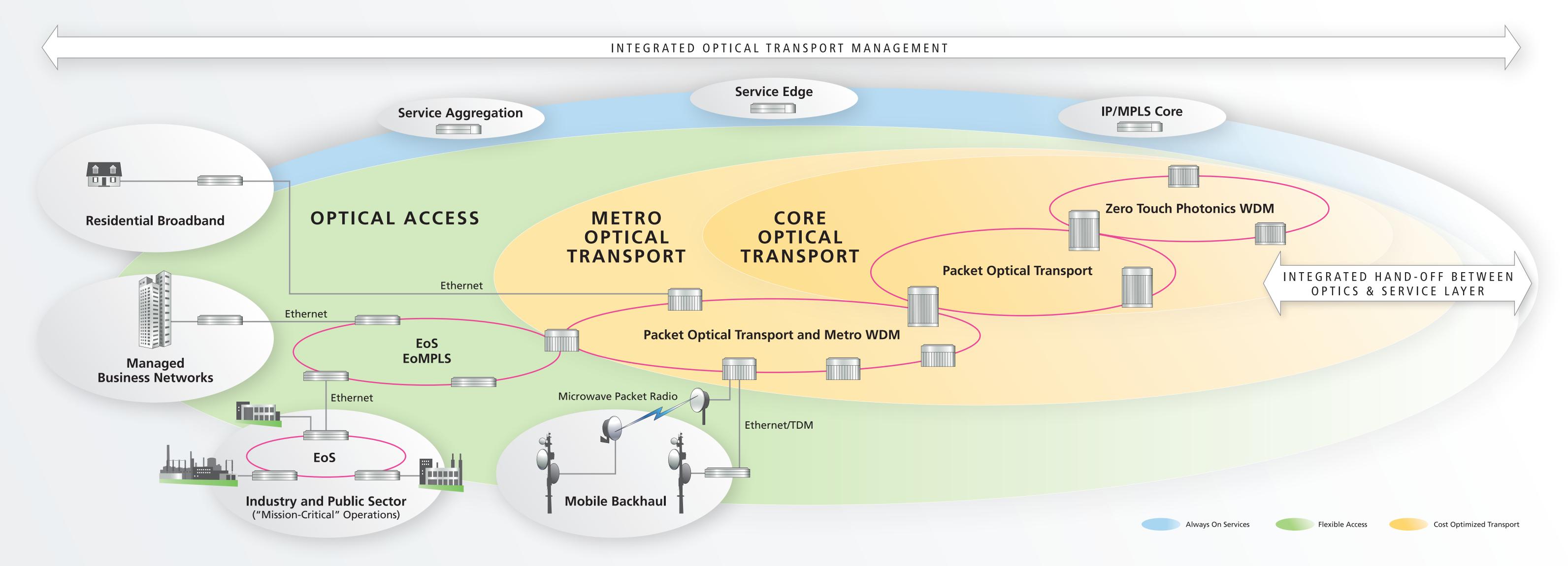
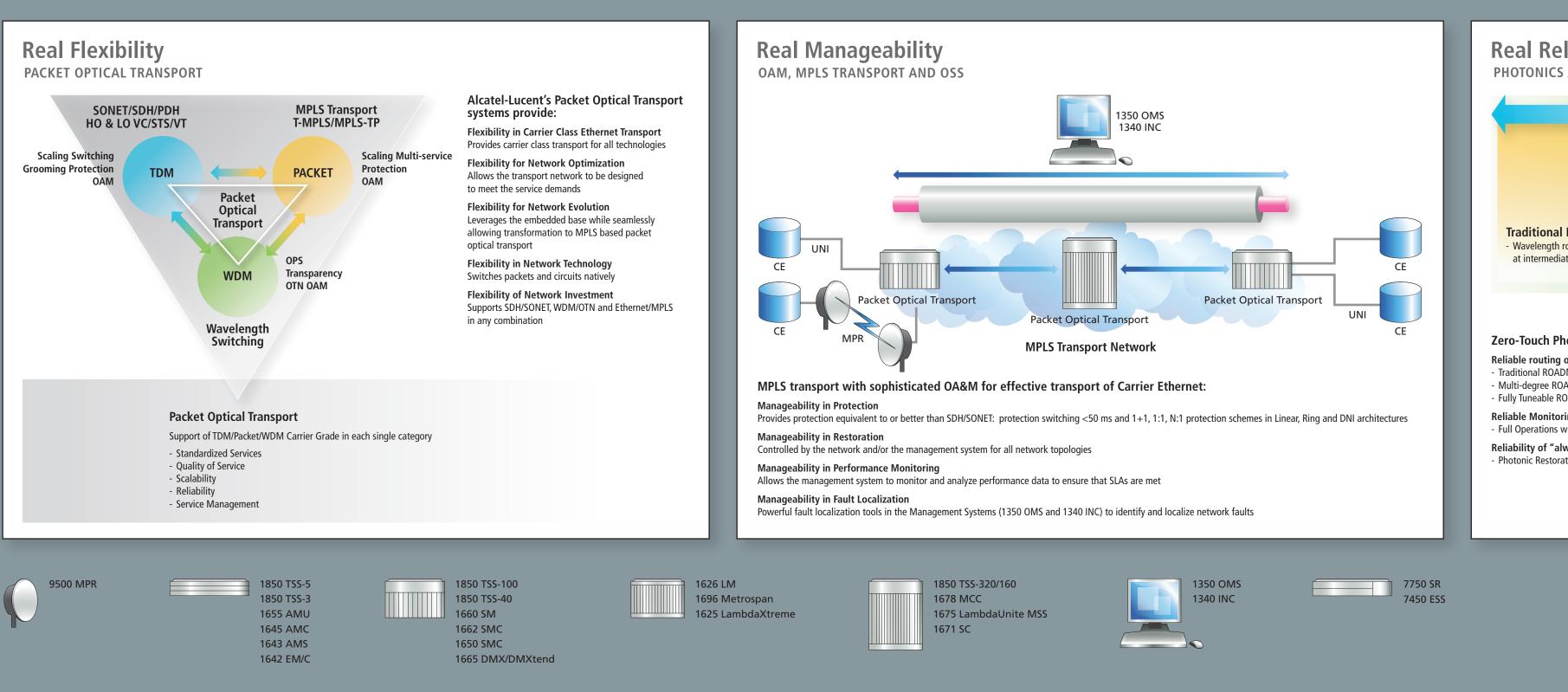
Carrier Ethernet Transport PACKET-OPTICAL EVOLUTION





Real Reliability

PHOTONICS AND WAVE DIVISION MULTIPLEXING

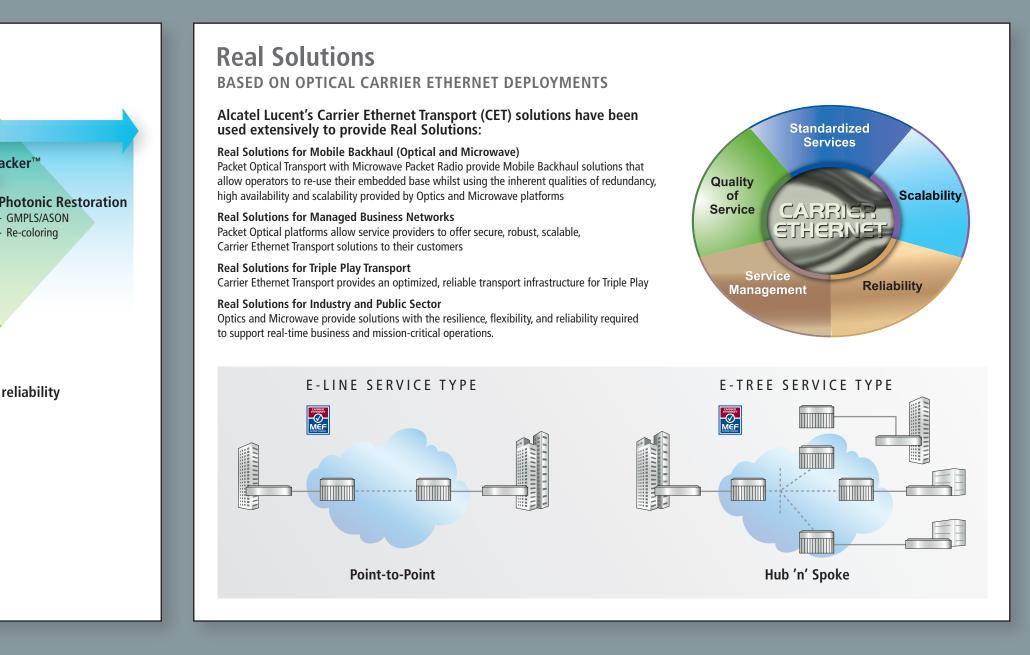
WSS T&ROADM UNIQUE ARCHITECTURE				
ROADM Architecture			Wavelength Tracker™	
Traditional ROADM - Wavelength routing at intermediate nodes	Multi-degree ROADM - Increased connectivity (mesh)	Full Flexibility - Colorless ports - Multicasting - Wavelength routing e2e	Full Operations - Power, Path, QoS monitoring - Misconnections management	Photonic Rest - GMPLS/ASON - Re-coloring

Zero-Touch Photonics provided by T&ROADM and Photonic restoration enhance the inherent photonics reliability Reliable routing of bandwidth with ROADM and Tuneable ROADM

Traditional ROADM provides flexibility to route between intermediate nodes

- Multi-degree ROADM allows meshing and reduces blocking Fully Tuneable ROADM simplifies operations, providing full remote configuration
- Reliable Monitoring and Tracking with Wavelength Tracker
- Full Operations with end to end traffic management and automated remote provisioning and assurance Reliability of "always-on" services with Photonic Restoration
- Photonic Restoration provides resilience and complements digital survivability







MEF-9 – Carrier Ethernet Services MEF-14 – QoS and Traffic Management