Market realities driving SDN

Data traffic is projected to grow over 20% each year

Global telecom service revenues are stagnating

Manually managed networks can’t sustain growing traffic and efficiency demands

Solving OPEX is high priority - Network operator OPEX is 5x higher than CAPEX

Source: GlobalData

To reap full benefits of SDN a solution must:

- Provide unified control across multiple network layers
- Support full lifecycle operations
- Support automation through open APIs
- Be deployable in cloud environments

Migration from Network Management Systems (NMS) to SDN brings:

- Improved efficiency and scalability
- Greater network security
- Service velocity times cut by 95%
- Automation - 60k routers deployed in one night (Tier 1 SP)

1. Source: Senior EVP Technology and Network Operations, USA Tier 1 SP, 2015
2. Source: CEO, multinational hardware manufacturer, 2018 keynote

9 of 10 largest global network operators are implementing SDN in one or more production network domains

Ciena’s Manage, Control and Plan (MCP) domain controller delivers:

- Lifecycle management for all service and traffic types – IP, Ethernet, OTN, and Optical
- Increased network and service agility through automated operations
- Cloud-native platform for reliability and scalability to support high-performance services

www.ciena.com/products/manage-control-plan