EMBRACING THE
NETWORK MATURITY MODEL

As a communications service provider (Comms SP), you're probably facing many challenges as you plan your network to anticipate industry demands that have yet to be clearly defined. It's at once an exciting and daring time as those Comms SPs who fail to move quickly and smartly may find themselves missing the opportunity to participate fully in the digital transformation. At Intel, we get that. That's why we've come up with a framework to help you set the right priorities, offering a clear path to transform your legacy network and update your business models. We're calling it the Network Maturity Model, or NMM.

NMM helps you set investment priorities, measure progress, and benchmark them against best-in-class developments. It provides a detailed view of how you can mature your SDN/NFV capabilities, making it easier for you to get the go-ahead you need to take each next step.

Exciting new economic opportunities are opening up for you. Use NMM to seize them.
- **Get ready for the coming 5G revolution in mobile and Internet of Things**
- **Use this framework to re-architect legacy networks and proprietary solutions**
- **Meet fast-changing customer demands**
- **Deliver ROI faster by generating new revenue from unique digital services and reducing capital expenditures**

Network Maturity Model
Maturity Model Phases

PHASE 0

NO VIRTUALIZATION
Network delivered via proprietary vertically integrated hardware and software used to support network functions.

PHASE 1

STANDALONE VNFs
Commercialization of isolated services. Individual VNFs that make up the service may be from separate vendors, but are orchestrated by a solution from a single vendor.

PHASE 2

COMMON INFORMATION MODELS
VNF vendors characterize and provide network function SLA via VNF descriptors with a common information model.

PHASE 3

NETWORK FUNCTION AUTO-SCALING
As network traffic expands and contracts in real time, Comms SPs can re-purpose existing or add hardware or software independently to boost capacity.

PHASE 4

FEDERATION OF SDN
An end-to-end network view enables applications/services that take advantage of the entire network, including tasks such as data center power optimization and network traffic engineering.

PHASE 5

FULL SERVICE AUTOMATION
Analytics loop is closed and able to gather and analyze data and program the network appropriately. Applications are able to request services from the network, which will automatically adjust to meet the new service.

5 KEY AREAS FOR SERVICE PROVIDERS TO ADDRESS

NMM also introduces the new skill sets and business transformation your company needs in order to succeed—but it does so only when needed, and all in a gradual, manageable fashion. It specifically addresses five key areas of your business that can have far-reaching impact:

BUSINESS AND SERVICES
How the business and related services need to evolve to take advantage of the benefits of SDN/NFV

TECHNOLOGY
How the technology needs to be adopted and deployed in the Comms SP's environment

ORGANIZATION
How Comms SPs need to think about organizing and sponsoring programs to ensure success

GOVERNANCE
How to govern financial and operational components of the new solution

CUSTOMER EXPERIENCE
How the customer experience is changed by NFV/SDN adoption

We want to hear about your Network Transformation journey.
Discover how Intel can help with Intel® Network Builders and our networking solutions at intel.com/network.