

Etisalat Misr SDN/NFV Roadmap and Success Story



Agenda

- ✓ Key Drivers for Telecom Network Transformation
- ✓ What is NFV/SDN ?
- ✓ NFV Adoption Strategy
- ✓ Summary & Conclusion
- ✓ Etisalat Misr Virtualization Journey

Key Drivers for Core Network Transformation



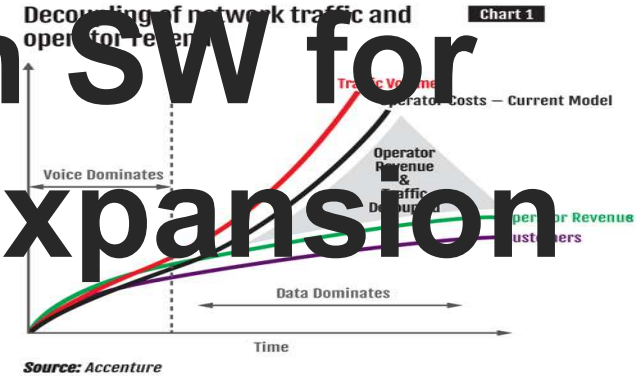
Enhance the traditional way for Data Network Expansions



Telecom Operators to depend more on SW for Future Network Expansion

Complex Carrier Networks

Decoupling of network traffic and operator revenue.



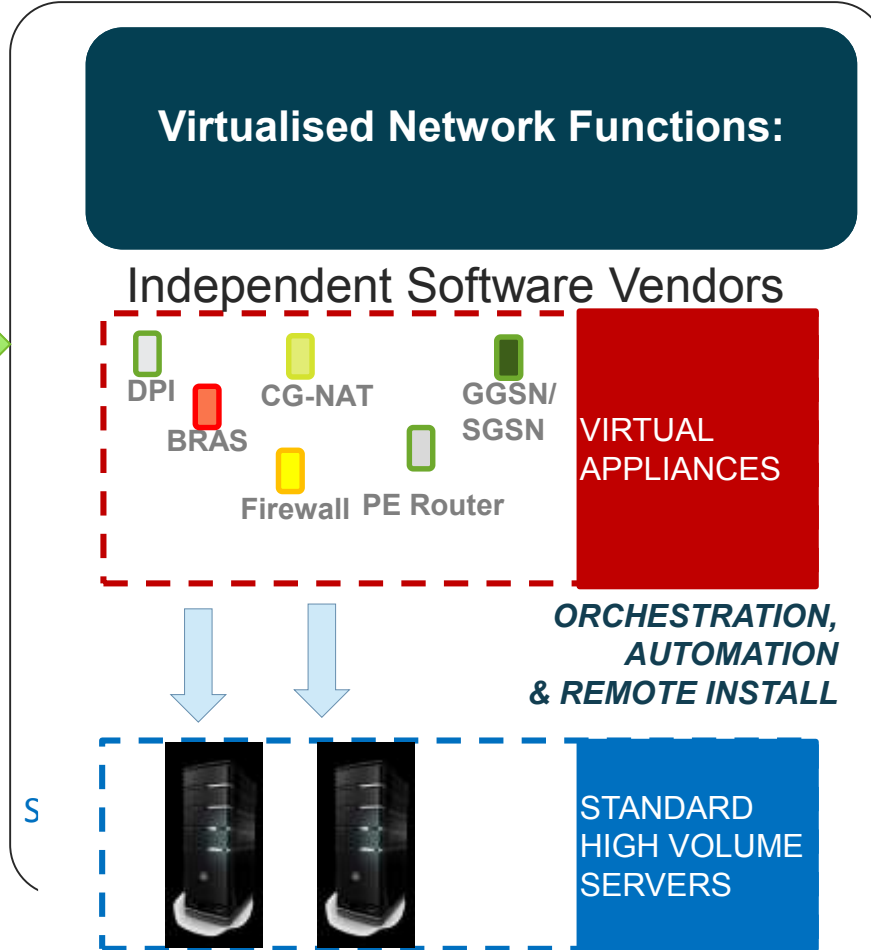
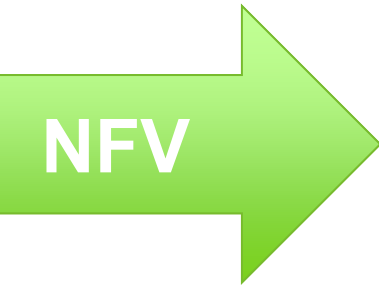
Exponential increase in operational expenses

SDN & NFV ARE THE WAY FORWARD

Longer TTM



What is NFV ?

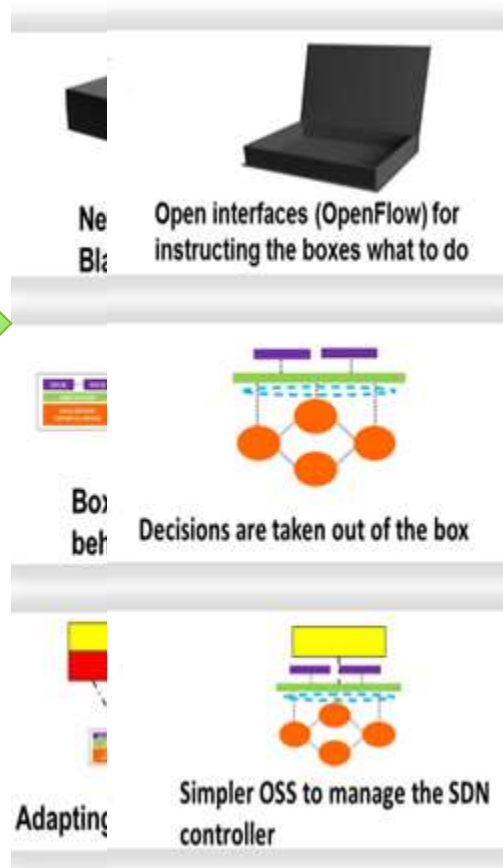


A re-definition of network equipment architecture

- Fragmented functions
- Network Functions are SW-based
- Physical appliances from the hardware
- Constrained innovation & competition
- Multiple roles over same HW

What is SDN ?

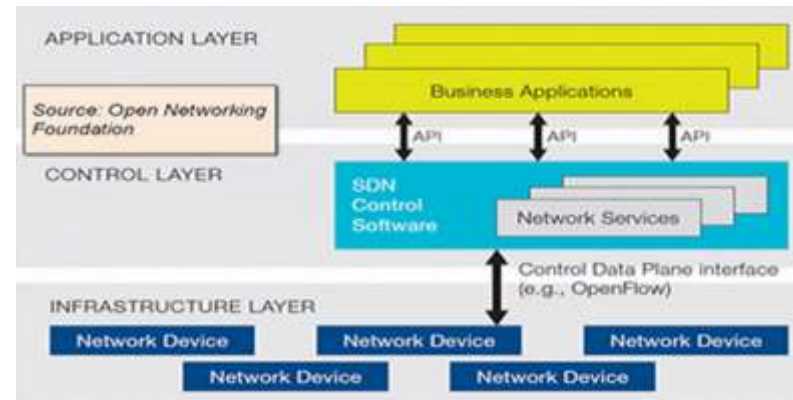
Current Network Architecture



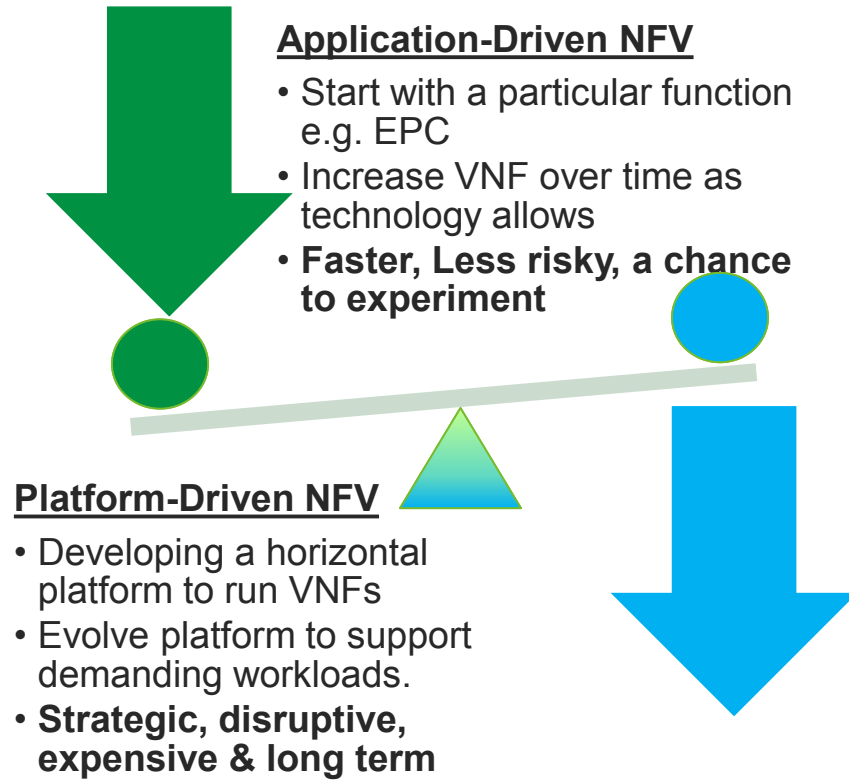
SDN

A re-definition of Network Architecture

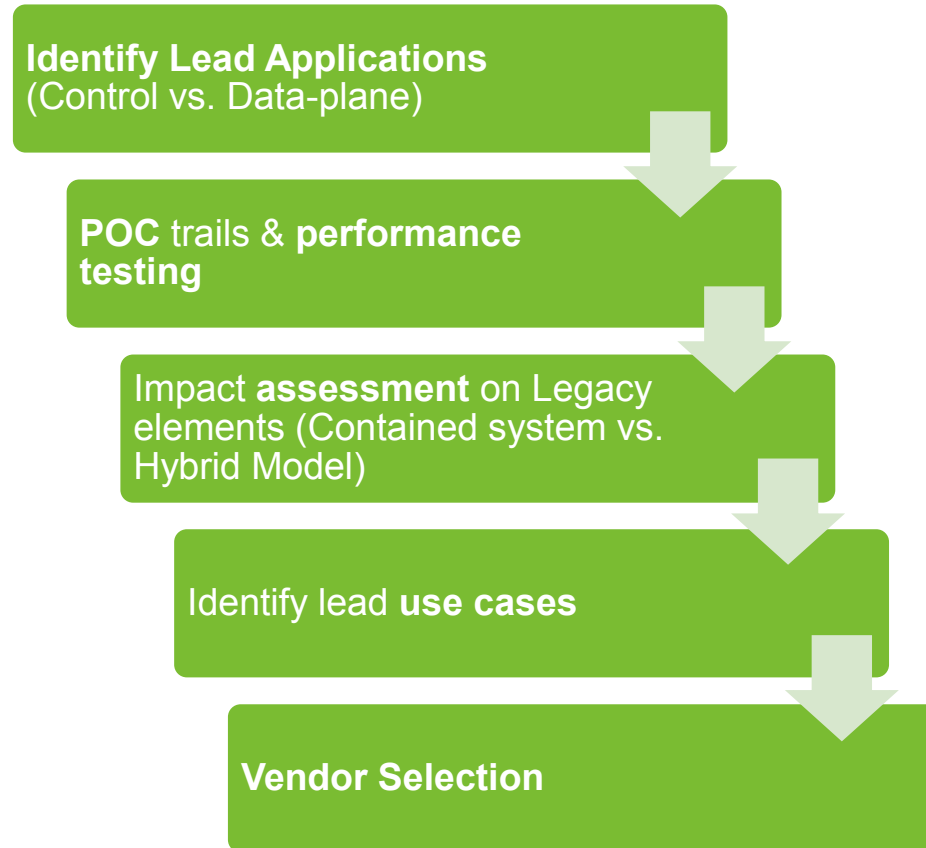
- Separate the data and control Plane.
- Network as a Service
- Automation as Nodes Behavior
- network functions
- Diversified OSS
- Dynamic network configuration
- Full dependency on manual configuration



NFV Adoption Strategies



TO SECURE MORE AGILITY THE NFV STRATEGY SHOULD BE A BLEND BETWEEN BOTH APPLICATION & PLATFORM DRIVEN



Etisalat Misr Virtualization Journey

Identify the Use Cases
"Criteria Matching"

NEW PS CAPACITY
IGW Every Where
2017

2016

PoC

Largest PoC with Intel in
the middle east to
virtualize all GI functions
(12 functions) over a
single NFV-I

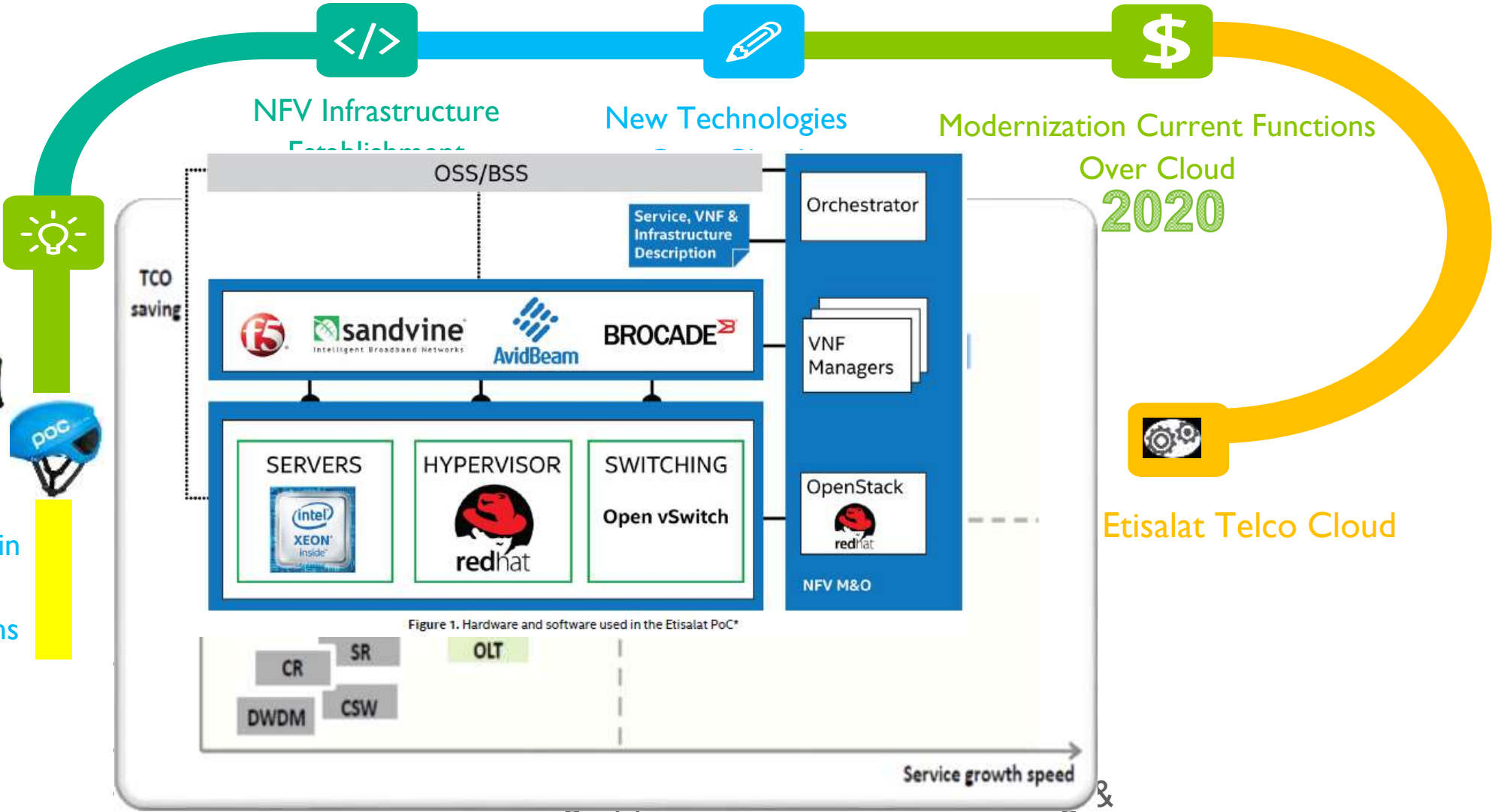


Figure 1. Hardware and software used in the Etisalat PoC*

VO



Thanks