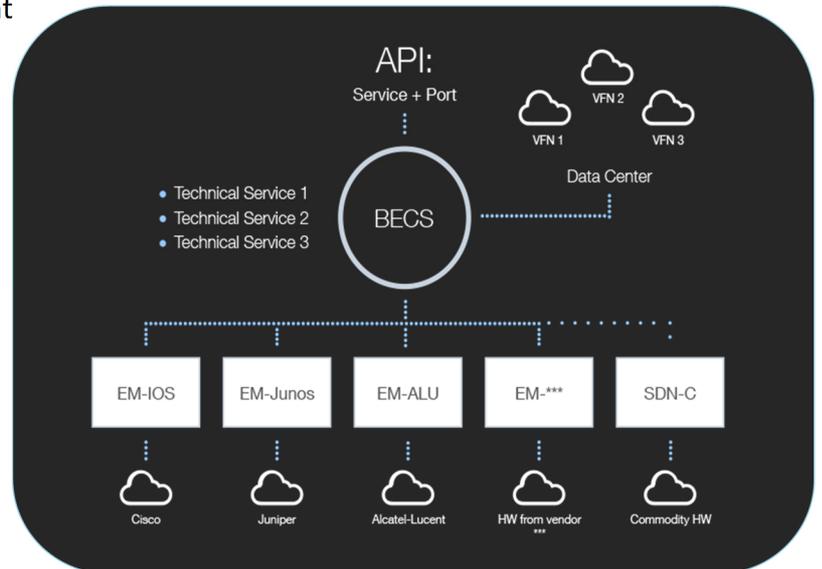# Seamless legacy to SDN/NFV transformation

Protect your existing network investments

Key benefits:

- Same network and service management system for legacy, as well as for SDN parts of the network

- Future proof: use BECS for today's multi-vendor network and just add SDN support as easily as any other new vendor HW

- Reuse investment in automation of processes as BECS applies the same automation to all parts of the network

- No change to the integration between the network and other BSS and OSS systems

- All users have access to all legacy, as well as all virtualized services

BECS Platform

BECS is the strongest network and service management automation system in the industry. It can be used to automate almost any type of networks and offers end-to-end management from the CPE/CE level up to the core network. As BECS supports all major hardware manufacturers, it is especially suitable in multi-vendor environment enabling network harmonization. The BECS northbound API provides an abstraction layer allowing OSS/BSS systems to remain agnostic for the underlying hardware infrastructure and network topology.

Challenges for operators considering SDN

Software Defined Networks in combination with Network Function Virtualization are evaluated by an increasing number of Carriers as means to reduce both hardware and management costs while enabling more innovation and quicker service deployment at the same time.

Doing the control and forwarding plan separation, using for instance OpenFlow is starting to become well understood, but a lot of questions remain when it comes to management of SDN networks. This is even more evident when you realize that carriers will have traditional legacy networks in combination with SDN networks for a long time to come. This is also the case for dedicated HW functions and services; they will be utilized in parallel to virtualized network functions.

How to manage all these things, and how to start today, when standards are not even defined yet?

Invest today in capabilities for tomorrow – and today

With BECS this is straightforward. Thanks to the strong element management framework in BECS an SDN controller is handled just like any other network equipment, applying the industry's best network automation engine to both legacy and SDN.

BECS's service automation invokes Virtualized services in the same way as traditional services. By letting BECS manage both the legacy and the SDN parts of the network, all the service automation in BECS previously used for the legacy network becomes immediately available also for the SDN part.

Radical change without a lot of changes!

Nothing of the integration between BECS and other OSS and BSS systems need to be changed when moving to SDN. This is how, for a minimum cost, BECS provides truly seamless legacy to SDN network transformation. Whether you are using legacy equipment, virtual network functions or a combination of both, your provisioning process is the same thanks to an open and well-defined API.

PacketFront Software