Exploring the impact of NFV

- Objective of Working Group
  - explore impact of SDN/NFV implementation in the Service Providers' and Carriers' networks
  - analyze how SDN/NFV is changing the current services in terms of configuration, implementation, information exchanged, operational process, expertise of the personnel, etc.
  - identify whether and how SDN/NFV modify the current way of interconnecting for wholesale services
  - evaluate the additional efficiency Service Providers and Carriers can gain adoption a SDN-NFV architecture

- Deliverables
  - State of the art in NFV – May 2016
  - Operational Impact of NFV – May 2017

- Operational Impact of NFV (May 2017)
  - Processes : Engineering, QA, Commercial, Site, IP, Security, Provisioning, Other
  - Technical : Activation and Provisioning, Change management, Inventory management, Performance management, Fault Management, SLA management, OSS/BSS
  - Organizational : Culture, Headcount, Performance, Re-architecting NFV Solution to Fit Existing Infrastructure, Inter departmental commitment

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New Areas to Explore

- Sharing information to migrate successfully – what are the main components (hypervisors, virtual components, cloud software, orchestrators

- Multi-vendor / open source implementations – how to put all the pieces together, what works with what

- Issues encountered if any from those PoCs – lessons learned

- How can carriers improve their infrastructure to support such technologies – what can be achieved and what are still open issues

- Dimensioning rules for NFV

- Debugging in NFV

- HA in NFV (using public clouds)

- Moving beyond NFV to cloud