



Converged Network Management

IETF 82



Introduction

- The NGMN (Next Generation Mobile Networks) has created a document that describes the operational requirements of both wireless and wireline networks
- The NGMN sees this work as a way to prioritize the work in other industry fora and SDOs to align requirements in the area of converged O&M requirements
- The NGMN has held two meetings with representatives from many standards bodies to discuss coordination
 - 3GPP SA5, TMF, OIF, MEF, ITU-T SG 2, ETSI, DTMF, ATIS, BBF have all participated

Liaison

- The NGMN has sent a liaison to the IETF and many other groups with a copy of their Next Generation Converged Operations Requirements (NGCOR) document
- They have requested comments on this first draft and suggestions on the next phase of the document

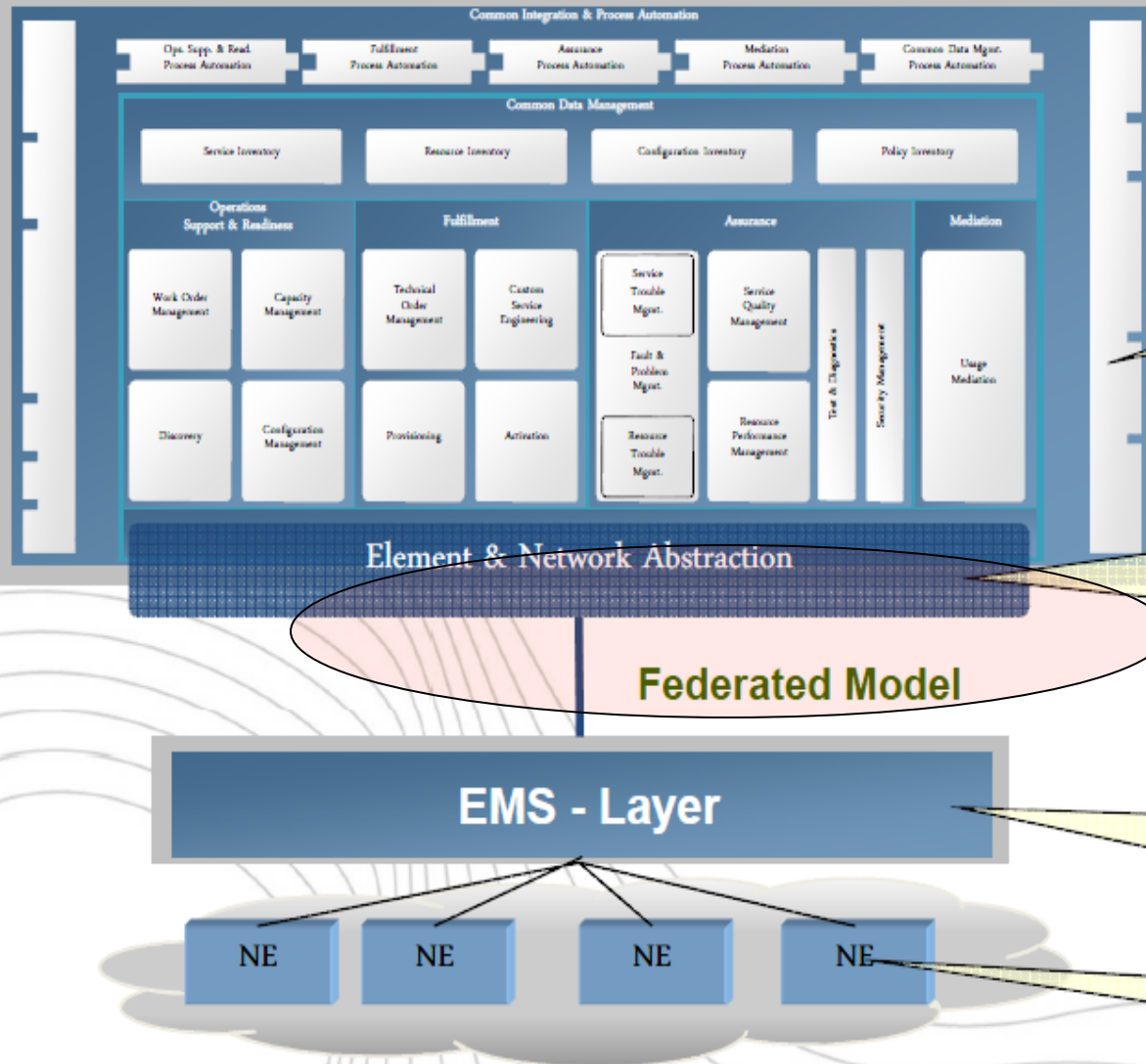


What is in the NGCOR Draft?

- Requirements for:
 - Inventory Management
 - Fault Management
 - Converged Operations
 - Modeling and tooling
- Related work:
 - 3GPP and TMForum alignment of wireless and wireline management models
 - Fault Management Harmonization

Initial Focus of the Coordination Work

Management Plane e.g. NGSSM – DT functional architecture



OSS / NMS

- delivers the multi-vendor/multi-technology network management capabilities
- Based on TMF Framework – 80% common / 20% customized acc. Service Provider needs

Element & Network Abstraction

- adaption between OSS management information and vendor specific implementation
- ideally not needed

EMS = Element Mgmt System

- Ideally: adaption of vendor specific implementation to standardized / federated Model

NE = Network element

- mainly vendor spec. functionality



Coordinated Effort

- The NGMN invites other standard groups to participate in meetings to help identify areas of management operations that need to be harmonized
- The work will be agreed to by the participating bodies and follow the ways of working of the groups involved
- The NGMN will track the progress through liaisons from the groups working on the particular aspect of the harmonization

Actions?

- Review the NGCOR document?
- IETF has not been represented at the coordination meetings, any interest?
- Questions?