



Discussion on a new Work Item proposal on integration of 3GPP and ONAP

AT&T, Deutsche Telekom, Ericsson, Huawei, Nokia, Orange

SA5 and ONAP



Two ongoing (non normative) Study Items:

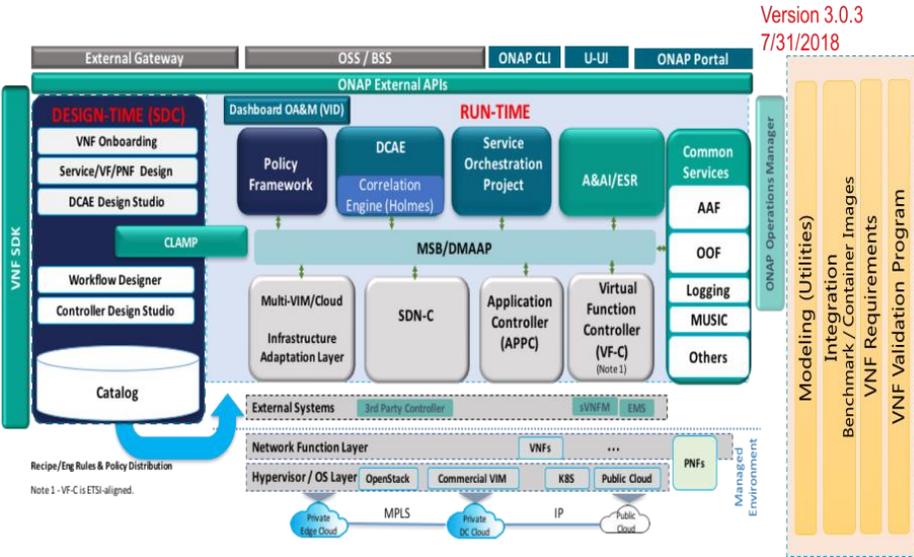
-  Study on integration of ONAP DCAE and 3GPP management architecture (Rapporteurs: AT&T, Orange)
 -  Focus on Assurance (FM/PM)
 -  Gap analysis b/w 3GPP FM/PM management services APIs, and DCAE Collectors APIs
-  Study on integration of ONAP and 3GPP configuration management services for 5G networks (Rapporteur: Ericsson)
 -  Focus on Fulfillment (CM/LCM)
 -  Gap analysis b/w 3GPP CM management services APIs, and APPC 'southbound' APIs
-  Commonalities:
 -  Expected completion date: March 2019
 -  Output: TR 28.890 (previously TR 28.900)
 -  ONAP Baseline: Release 3 (Casablanca)
 -  3GPP baseline: Rel-15 TSs

Objectives

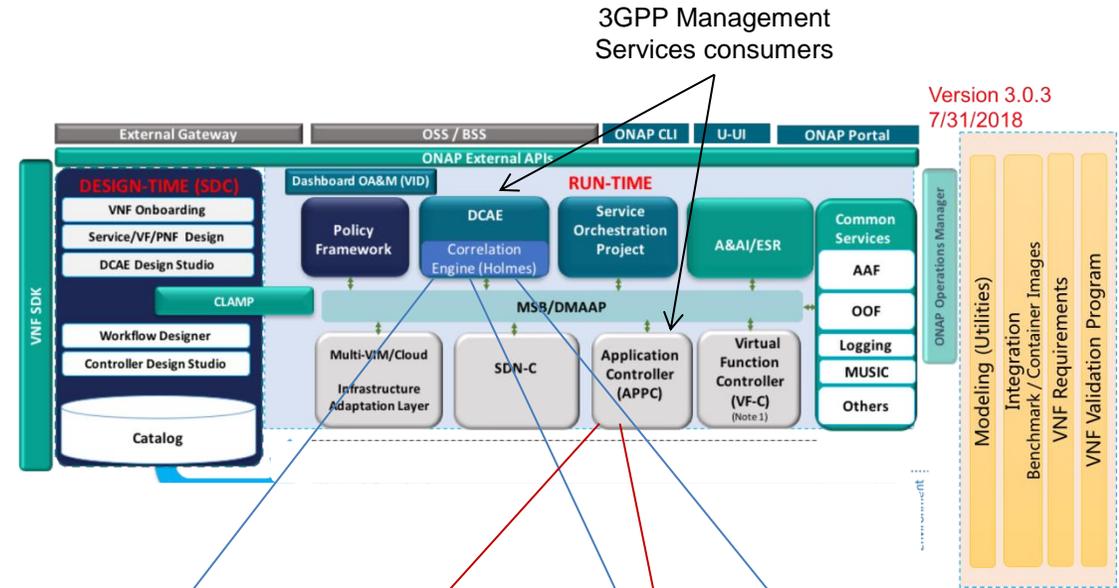


- Provide a comprehensive solution for the Management and Orchestration of 3GPP 5G networks using ONAP
- No gap, no overlap between ONAP and 3GPP

Positioning ONAP wrt. 3GPP MnSs



ONAP R3 (Casablanca) architecture



Stage 2/3 in TS 28.532 and TS 28.541

3GPP Management Services producers



3GPP Management Services producers

Conclusions

- Gaps have been identified between 3GPP Management Services (as providers) and ONAP components (DCAE collectors and APPC) (as consumers)
 - FM
 - PM
 - CM
- Potential solutions have been studied re. how to fill in these gaps
 - Actions to be initiated in 3GPP
 - Actions to be initiated in ONAP
- The group thinks normative work should start now so as to be completed in the Rel-16 timeframe

Way forward

- It is proposed to start a new Work Item ASAP, i.e. from SA5#124
- To be submitted to SA#83 for Approval
- Proposed scope:
 - 📶 Fault Management
 - 📶 Performance Management, incl. PM data streaming
 - 📶 Configuration Management
- Clarifications:
 - 📶 ONAP Heartbeat notification and operation are in scope
 - 📶 ONAP Event throttling is out of scope
 - 📶 Additional Solution Set to address ONAP RT/HV PM is in scope
- Expected completion date: March 2020 – TBC

Thank you!