

Release 1 Use Cases

Summary

Criteria used to select use cases

- Demonstrates merged ONAP architecture
- Demonstrates services planned for 2018 can be orchestrated and managed by ONAP
- Demonstrate integration of both commercial and open source VNFs and components
- Enhances the platform consistent with ONAP mission and needs of planned and future services
- The scope can be realized and dependencies met in a YE2017 release

Process

- TSC sub-committee submitted 9 new cases
- Identified common platform requirements that enable the most use cases
- Combined similar use cases into 2 new proposed use cases in addition to the vFW that is currently available as demonstration.



The light gray font in the table below represent sub-functional requirements, bundled under a higher level requirement.

Functional Platform Requirements	Enables # Use Cases	Residential Broadband vCPE	vFW/vDNS	VoLTE on vEPC
VNF onboarding	3	1	1	1
Service Design		1	1	1
Service Composition	2	1		1
Network Provisioning	2	1		1
Deployment automation	3	1	1	1
Termination automation	3	1	1	1
Policy driven/optimal VNF placement	2	1		1
Performance monitoring and analysis	2	1		1
Resource dedication	2	1		1
Control Loops {Automated Fault Recovery}	2	1		1
Capacity based scaling	2	1		1
Triggered Healthcheck	2	1		1
Health monitoring and analysis	2	1		1
Data collection	2	1		1
Data analysis	3	1	1	1
Policy driven scaling	2	1		1
Policy based healing	2	1		1
Configuration audit	2	1		1
Network Provisioning	2	1		1
Multi Cloud Support	3	1	1	1
Framework for integration with OSS/BSS	2	1		1
ONAP component change management/upgrade control/automation	3	1	1	1
Non-Functional Platform Requirements	Enables # Use Cases	Residential Broadband vCPE	vFW/vDNS	VoLTE on vEPC
ONAP Platform Fault Recovery		1		1
Security		1		1
Reliability		1		1
Disaster Recovery		1		1
High Availability		1		1
ONAP Platform Scale		1	1	1

Use Cases

- (obsolete)Use Case: VoLTE (vIMS + vEPC)
- Use Case: Residential Broadband vCPE (Approved)
- Use Case: vFW/vDNS (Approved)
- Use Case: VoLTE(approved)
- Use Case Related Important Questions and Answers