

5G SBP Use Case -ORAN-SC: RAN Slice SLA Assurance

Use this template to submit Use Cases for submission to the 5G Super Blueprint Use Case & Requirements Advisory Group. All input is required unless marked "(optional)"

Use Case Name:	ORAN-SC: RAN Slice SLA Assurance
Use Case Description:	An existing ORAN-SC Use Case uses simulators. The goal of this PoC is to plug existing ORAN-SC use case into the 5G SBP infra. Target ORAN-SC H release target June/July 2023.
Problem Statement and how is the problem solved:	Create RAN slice using ORAN-SC radio access software components based on service levels specified and show dashboard or reports that service levels are met
Users Stories	<ul style="list-style-type: none"> a.Create RAN Slice with SLA b.Show successfully meeting SLA based on metrics c.Show SMO can automatically manage SLA targets under adverse conditions (HW/SW malfunction)
Demo Storyline (optional)	
Interaction with other open source projects and components	<ul style="list-style-type: none"> a. O-Cloud/MEC/Virtual Infrastructure b.Transport VNF/VIM c. Data Collection and Reporting (ORAN-SC SMO and/or DCAE)
Links to existing documentation (Build Guide, Slideware, etc), if available (optional).	https://wiki.o-ran-sc.org/display/SMO/Contributions?preview=%2F35881444%2F41455127%2FNetwork+Slicing+Use+Case+v2.pptx https://wiki.o-ran-sc.org/display/RICNR/Release+F++O-DU+Slice+Assurance+usecase O-DU Slice Assurance usecase Call flow diagram/docs - pending
Links to existing demo/video, if available (optional).	
Links to existing code/repos, if available (optional).	
Questions	Muddasar Ahmed Gervais-Martial Ngueko Does scope include following: Use of ORAN SMO, Use of EMCO/ONAP to orchestrate RAN Slice Use of RIC to manage and monitor Slice SLA Use of SMO to manage and monitor non-ORAN-SC, ORAN compliant gNodeB Slice security posture visibility and maintenance Underlying infrastructure inclusion (Transport, O-Cloud) Any Dynamic Slice management scenarios (capacity and performance elasticity)