

5G NaaS Self-Service Portal/API/Interface - Draft

Use this template to submit Use Cases for submission to the 5G Super Blueprint Use Case & Requirements Advisory Group. All input marked Mandatory is required for the blueprint use case proposal to be deemed ready for review by the Use Case & Requirements Advisory Group.

Use Case Name: (Mandatory)	5G Network as-a-Service
Use Case Description: (Mandatory)	<p>A self-service portal on which where users can self-order 5G services, components, and subcomponents. The portal fulfills Day 0, Day 1, Day 2.</p> <p>Who values from the development?- Data Center automation vendors, professional services providers (ex. IBM, Aarna, Equinix)</p> <p>Who benefits from the end product?- Large enterprise, government, MNOs</p>
Problem Statement and how is the problem solved: (Mandatory)	What are the current tools MNOs are using for provisioning? How is 5G plugged into those tools?
Blueprint Owner (Mandatory)	<i>enter name</i>
Users Stories (at least one (1) User Story is Mandatory)	<ul style="list-style-type: none">• Customer needs 5G services for a new XXX service. Customer visits Mobile Network Operator (MNO) order fulfillment self- service portal to order, configure, and deploy new services. (Day 0, Day 1, Day 2 fulfillment)
Requirements (at least one high level system requirement)	<ul style="list-style-type: none">• Ability to provide the following services/components:<ul style="list-style-type: none">◦ RAN/Transport(backhaul)/IP Core◦ Cloud/virtualization◦ Slicing◦ edge compute facilities◦ intelligent data sharing◦ fronthaul/backhaul◦ Automation◦ How are services consumed? (catalog, Self-service, API)◦ Usage-based metric for a billing model◦ Telemetry and observability◦ varying SLAs
Interaction with other open source projects and components (Mandatory)	<ul style="list-style-type: none">• Tie-in with: 5G SBP Use Case - Cilium CNI
Resources -people (Mandatory)	<p>Resources (people) to execute on the blueprint:</p> <ul style="list-style-type: none">• <i>enter name 1</i>• <i>enter name 2</i>• ...
High-level architecture diagram (Mandatory)	
High level lab topology diagram (Mandatory)	

<p>Dependencies - list of any dependencies that rely on future releases of a specific component.</p> <p>(Mandatory)</p>	<input type="checkbox"/> Yes <ul style="list-style-type: none"> ◦ <i>Enter details:</i> <p>or</p> <input type="checkbox"/> No
<p>High-level timeline</p> <p>(Mandatory)</p>	<ul style="list-style-type: none"> • Month that build can begin: <i>enter month/year</i> • Approximate duration of build: <i>enter number of weeks or months</i> • Approximate completion of outputs: <i>enter month/year</i>
<p>Upstreaming Opportunities</p> <p>(Mandatory)</p>	<ul style="list-style-type: none"> • <i>enter project(s) and details</i>
<p>Blueprint Outputs</p> <p>(Mandatory)</p>	<p>check all that apply:</p> <input type="checkbox"/> Code repository <input type="checkbox"/> Configuration files (e.g. Helm charts, etc.) <input type="checkbox"/> Upstreaming to relevant projects <input type="checkbox"/> Continuous Integration <input type="checkbox"/> Test requirements and test results (if applicable) <input type="checkbox"/> Documentation: <ul style="list-style-type: none"> <input type="checkbox"/> Overview and Theory of Operation (i.e., what does it do?) <input type="checkbox"/> Deployment and setup <input type="checkbox"/> Videos <ul style="list-style-type: none"> <input type="checkbox"/> demo <input type="checkbox"/> lab setup/behind the scenes <input type="checkbox"/> other
<p>High-level timeline</p> <p>(Mandatory)</p>	<ul style="list-style-type: none"> • Month that build can begin: <i>enter month/year</i> • Approximate duration of build: <i>enter number of weeks or months</i> • Approximate completion of all outputs: <i>enter month/year</i>
<p>Links to existing documentation (Build Guide, Slideware, etc), if available (optional).</p>	
<p>Links to existing demo/video, if available (optional).</p>	
<p>Links to existing code/repos, if available (optional).</p>	