

Blueprint Proposals

Blueprint proposals should be submitted here.

All the information related to the proposal should be posted to a new page specific to each proposal and must:

1. If the proposal is for a new Use Case include a completed Use Case template specific to the proposal.

Attributes	Description	Informational
Type	New or Modification to an existing submission	
Industry Sector	For Example: Telco and carrier networks	
Business driver	For Example: Emerging technologies such as 5G (vRAN, Core) and associated Edge Services requires Cloud instance deployed at the edge of the provider network to support latency need. Without Edge Cloud, above said services cannot be enabled	
Business use cases	For Example: 1.Edge Cloud deployable at Central offices with 7 servers in a single rack should incur low operational costs per year. 2. In-place upgrade of the Edge cloud should be supported without impacting the availability of the edge applications 3. Edge Solution should have role based access controls, Single Pane of Glass control, administrative and User Based GUIs to manage all deployments. 4. The automation should also support zero touch provisioning and management tools to keep operational cost lower	
Business Cost - Initial Build Cost Target Objective	For Example: Edge Cloud should be deployable at Central offices with 7 servers in a single rack at a low cost	
Business Cost – Target Operational Objective	For Example: 1.Edge Cloud deployable at Central offices with 7 servers in a single rack should incur low operational costs per year 2. In-place upgrade of the Edge cloud should be supported without impacting the availability of the edge applications 3. Edge Solution should have role based access controls, Single Pane of Glass control, administrative and User Based GUIs to manage all deployments. 4. The automation should also support zero touch provisioning and management tools to keep operational cost lower	
Security need	For Example: The solution should have granular access control and should support periodic scanning	
Regulations	For Example: The Edge cloud solution should meet all the industry regulations of data privacy, telco standards (NEBS), etc.,	
Other restrictions	For Example: Consider the power restrictions of specific location in the design (example - Customer premise)	
Additional details	For Example: The Edge Cloud Solution should be deployable across the globe and should be able to support more than 10,000 locations	Use case submitters can include files (PPT, DOC, etc...) that explain the use case in more detail.

2. If the proposal includes a new Blueprint Family include a completed Blueprint Family template specific to the new Family.

Case Attributes	Description	Informational
Type	New or Modification to an existing submission	
Blueprint Family - Proposed Name	Examples Only: Network Cloud Family	
Use Case	Examples Only: Network Cloud	
Blueprint proposed	Examples Only: Central Office deployments <ul style="list-style-type: none"> • Unicycle • Tricycle • Cruiser Customer Premise deployments <ul style="list-style-type: none"> • Rover 	
Initial POD Cost (capex)	Examples Only: <ul style="list-style-type: none"> • Rover less than \$20k • Unicycle less than \$150k • Tricycle less than \$300k • Cruiser less than \$800k 	
Scale	Examples Only: <ul style="list-style-type: none"> • Rover - 1 server • Unicycle - 1 rack • Tricycle - 3 racks • Cruiser - 6 racks 	
Applications	Examples Only: Any type of Edge Virtual Network Functions	
Power Restrictions	Example Only: <ul style="list-style-type: none"> • Cruiser - less than 50k watts 	
Preferred Infrastructure orchestration	Examples Only: OpenStack - VM orchestration Docker/K8 - Container Orchestration OS - Linux VNF Orchestration - ONAP Under Cloud Orchestration – Airship	
Additional Details	Submitter to provide additional use case details	

3. If the proposal includes a new Blueprint Species addition to an existing or new Blueprint Family include a completed Blueprint Species template specific to each Blueprint Species being submitted.

Case Attributes	Description	Informational
Type	New or Modification to an existing submission	
Blueprint Family - Proposed Name	Examples Only: Network Cloud Family	
Use Case	Examples Only: Network Cloud	
Blueprint proposed Name	Examples Only: Unicycle A	
Initial POD Cost (capex)	Examples Only: <ul style="list-style-type: none"> • Unicycle less than \$150k 	

Scale & Type	Examples Only: <ul style="list-style-type: none"> Up to 7 servers x86/ARM server or deep edge class 	
Applications	Examples Only: 5G Core or vRAN (RIC)	
Power Restrictions	Example Only: <ul style="list-style-type: none"> Less than 10Kw 	
Infrastructure orchestration	Examples Only: OpenStack Pike or above - VM orchestration Docker 1.13.1 or above / K8 1.10.2 or above- Container Orchestration OS - Ubuntu 16.x VNF Orchestration - ONAP Beijing Under Cloud Orchestration - Airship v1.0	
SDN	Examples Only: SR-IOV & OVS-DPDK or VPP-DPDK	
Workload Type	Examples Only: VMs and Containers	
Additional Details	Submitter to provide additional use case details	

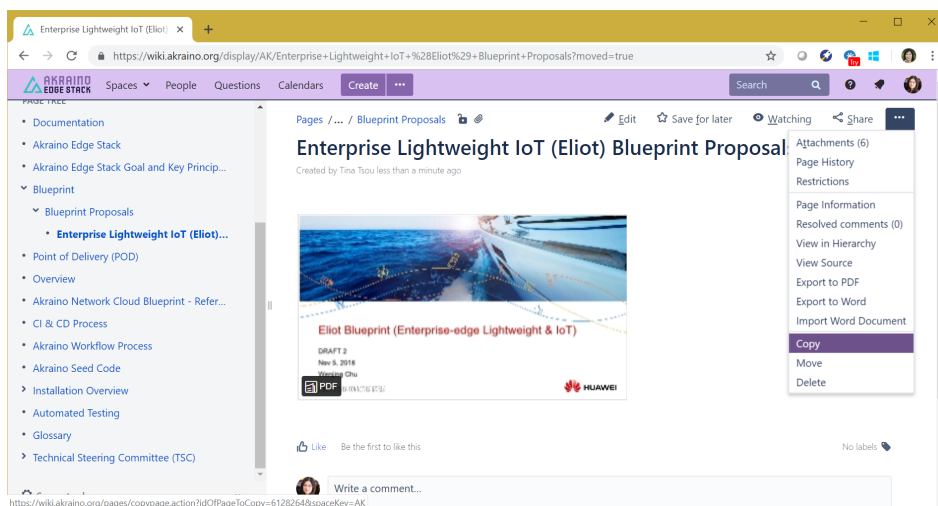
If the proposal is to add a new Family to support an existing Use Case please identify the proposed Use Case.

If the proposal is to add a new Species to an existing Family please identify the proposed Family.

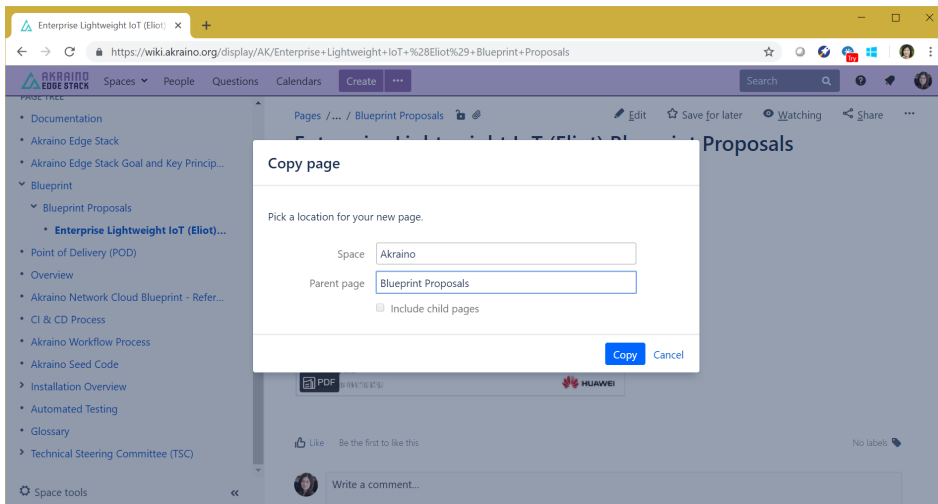
In addition add any other material needed to describe the proposal which is needed for the TSC assessment should be referenced or placed in the proposal's page(s).

Instruction to add a new page for each submission is below.

Step 1:



Step 2:



Step 3:

