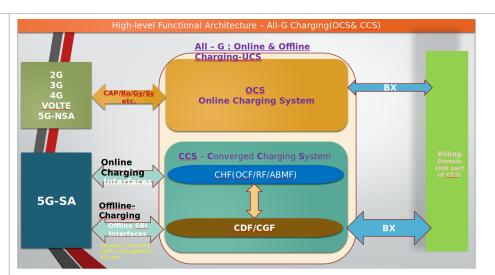
5G SBP : A charging system for 5G SA use cases using Open Source Products for SBP

	A charging system for 5G SA use cases using Open Source Products
Use Case Description: (Mandatory)	For developing an open-source Universal Charging System that encompasses 5G and future generations of mobile networks which can be integrated to 5G Super Blueprint Architecture. This initiative has the potential to revolutionize the way countries manage their 5G networks, leading to substantial savings in both capital expenditure (CAPEX) and operational expenditure (OPEX). As you may be aware, the advent of 5G technology has ushered in a new era of connectivity and has immense potential to transform various sectors such as healthcare, transportation, education, and more. However, the deployment and management of 5G networks come with significant financial challenges, particularly in terms of charging systems and monetizing for network services.
-Epic -Problem Statement (Mandatory)	There is no reference Architecture in 3GPP for Charging system similar to ONAP. This is an initiative to build that and integrate with 5G SBP Architecture
Blueprint Owner	Prajith Paran
(Mandatory)	riajiui raian
Users Stories	
(at least one (1) User Story is Mandatory)	a.b.c.
Interaction with other open source projects and components (Mandatory)	Company of the contract field of the contrac
Resources -people	Resources (people) to execute on the blueprint:
(Mandatory)	Prajith Paran (initial draft)
Steps to Realization	• TBD

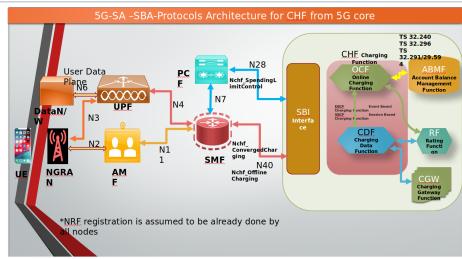
High-level architecture diagram

(Mandatory)



High level lab topology diagram

(Mandatory)



Dependencies - list of any dependencies that rely of future releases of a specfic component.

(Mandatory)

Yes

Resources and Lab setup

or

No

High-level timeline

(Mandatory)

• 1 to 2 years depending on contributions

Upstreaming Opportunities

(Mandatory)

• Once implemented in one of the Telcos (MVNOs initially) , this can be considered as TELCO grade

Blueprint Outputs	check all that apply:
(Mandatory)	Code repository
	Configuration files (e.g. Helm charts, etc.)
	Upstreaming to relevant projects
	Continuous Integration
	Test requirements and test results (if applicable)
	 Documentation: Overview and Theory of Operation (i.e., what does it do?)
	Deployment and setup
	☐ Videos ☐ demo
	lab setup/behind the scenes
	other
High-level timeline	
(Mandatory)	 Month that build can begin: enter month/year Approximate duration of build: enter number of weeks or months Approximate completion of all outputs: enter month/year
Links to existing documentation (Build Guide, Slideware, etc), if available (optional).	https://www.linkedin.com/feed/update/urn:li:activity:7065016516987035648/
Links to existing demo /video, if available (optional).	https://www.linkedin.com/feed/update/urn:li:activity:7065016516987035648/
Links to existing code /repos, if available (optional).	docker pull prajithparan/universalchargingsystem-ucs.v.08 (Documents and initial code generated for N40/N28 Interfaces.)
	docker pull prajithparan/open5gcore_v5