



Small cEIS coordinAtion for Multi-tenancy and Edge services

Grant Agreement No.671596

Topic: H2020-2014-ICT-14
Advanced 5G Network Infrastructure for the Future Internet
Research and Innovation Action

Deliverable D2.3

Specification of the CESC components – First Iteration

Document Number: H2020-5GPPP-GA No.671596/WP2/D2.3/31.03.2016
Contractual Date of Delivery: 31.03.2016
Editor: Neil Piercy – IPA
Work-package: WP2
Distribution / Type: Restricted (RE) / Report (R) - Only **Abstract** is included
Version: 1.0
Total Number of Pages: 57
File: *SESAME_Deliverable 2.3_v1.0_Final - Abstract*

Abstract

This document describes the parts of the SESAME architecture associated with the CESC. All the partners with an interest in the CESC have contributed to this document, and it represents the consensus amongst that group of how the SESAME functionality should be implemented within a CESC cluster.

This SESAME CESC Cluster architecture melds together the currently disparate worlds of the traditional small cell RAN infrastructure, the current trends in IT virtualisation and SDN in data centres, the design of Mobile Edge Computing environments, and the growing emphasis of how these are applied in a telecoms environment using NFV approaches. To date, most of the NFV considerations have been towards the core network functions, despite the base station functions being within the NFV remit, but within SESAME they are firmly applied within the RAN, and form the basis of the overall architecture.

This architecture will now form the basis of the work of WP3 to investigate how a Proof-of-Concept demonstrator of the SESAME concept can be implemented, how the Self-X features may be used in a SESAME environment, and how the virtualisation of radio resources may be used to further enhance the ability to slice the CESC resources between the tenant operators.