CELTIC-NEXT Event
20th June 2019, Valencia

Pitch of the Project Proposal

Edge Cloud MEC content Update via GEO broadcast services

AIRBUS

Xavier PONS MASBERNAT, AIRBUS
xavier.ponsmasbernat@airbus.com
Teaser

Benefit
The main benefits being efficiently offloading a very dense future 5G terrestrial transport network and enhance e2e QoE performance for the end user.

Added value
Building on Sat5G experience, this project will allow to showcase such efficient content delivery approach in a real MNO network environment, both in terms of E2E performance but also in terms of SatCom –enabled MEC platform definition and design.

Why
We believe the proposed Sat-based solution will have a great impact on 5G network transport efficiency and in content deliver towards the end user.

www.celticnext.eu
**Context:**
1. 5G standard driving very low latency requirement for internet content access
2. Most popular internet content represent a very large portion of overall traffic
3. Internet content caching close to Radio Access Node deemed an appropriate solution to meet the very low latency requirement
4. GEO satellite broadcast services deemed most appropriate media to continuously broadcast over a large geographical area, to a large number of Radio Access Node, the most popular internet content.

**Project objective:**
Define, prototype and test an end to end MultiAccess Edge Computer Content Update via GEO satcom broadcast services
Proposal Introduction (2)

Project scope:
• End to end service architecture definition (RAN, DNS, Edge computer, Edge Satcom Rx terminal, DNS analysis and content prioritisation scheme)
• Define and prototype DNS analysis and content prioritisation function
• Define and prototype Edge Satcom Rx terminal
• Integration and testing of the prototype end to end chain

Project planning:
2 years, as of January 2020
Partners

Potential partners:
- Airbus
- 2 or 3 European mobile network operators (Orange, Vodafone, Telefonica, BT, Deutsche Telekom, …)
- 1 or 2 Satcom operators
- 1 CDN video delivery component provider

www.celticnext.eu
Contact Info

For more information and for interest to participate please contact:

Xavier PONS MASBERNAT (AIRBUS)
contact: xavier.ponsmasbernat@airbus.com
+33 1 61 38 72 53
1 Boulevard Jean Moulin, 78990 ELANCOURT
www.airbus.com

Presentation available via: