

EMYNOS innovations



Caller Location retrieval compliant to IETF and ETSI



Support for persons with various categories of disabilities

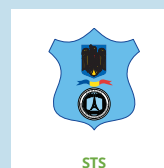
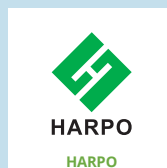


EMYNOS eCall extensions including photos and videos



Exploit social media to support disaster management operations

Consortium



EMYNOS nExt generation eMergency commuNications



FURTHER INFORMATION:

EMYNOS website: www.emynos.eu

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About EMYNOS

Current emergency systems and 112 services are based on legacy telecommunication technologies, which cannot cope with IP-based services that European citizens use every day. Some of the related limitations are the partial media support, the lack of integration of social media, and the use of an analogue modem for providing EMYNOS services with limited data amount. As most operators have started migrating towards broadband IP-based infrastructures, current emergency systems need also to be upgraded and adapted in order to fulfil regulatory requirements in terms of Next Generation emergency services.

The main objective of the EMYNOS project is the design and implementation of a Next Generation platform capable of accommodating rich-media emergency calls that combine voice, text and video, thus constituting a powerful tool for coordinating communication among citizens and call centers.

Additionally, EMYNOS addresses also the call routing/redirection to the closest-available call center, retrieval of the caller location, hoax calls prevention and support for people with disabilities.

Objectives

The actual emergency systems have several limitations, some of which are summarized below;

- There is no standard underlying technology for the separate emergency systems
- Media limitation: currently only voice calls and sometimes SMS are accepted
- No unified platform: currently emergency warning systems are completely separate from the 112 emergency centers
- A caller location is very limited and it requires a lot of time
- There is no non-telecommunication platform as a backup in case the telecommunication infrastructure is not operational
- The social media are not integrated: handling emergency situation should not only be the task of the rescue teams. Involving citizens especially through social media (twitter,

Facebook, etc) in monitoring events and sharing information will lead to a better management

- The eCall (the emergency solution for vehicles in case of crash) technology is based on GSM, which limits the amount of emergency data to be sent

The aim of the EMYNOS project is to design, specify and develop a Next Generation emergency framework that resolves the above mentioned limitations.

