



**EMYTEST
EMERGENCY NETWORKS
DEVELOPMENT AND TESTING**

 **Fraunhofer**
FOKUS

**IMPROVING EMERGENCY SERVICES
WITH NEXT GENERATION
COMMUNICATION TECHNOLOGIES**

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SUPPORTING THE DEVELOPMENT OF NEXT GENERATION EMERGENCY SERVICES

The EMYtest testbed supports the migration of current emergency systems to Next Generation emergency services (NG112). The mission of this testbed is to help public authorities and industry in implementing, testing, and deploying Next Generation 112 and 911 infrastructures and services.

EMYtest supports the first between the period of establishing the emergency call and the arrival of medical assistance. These include the transmission and visualization of the caller location as well as the data coming from sensing devices such as smartwatches or fitness trackers. As a result, the first information about vital functions like heartbeat frequency of the person in distress and updates of the same can be determined during the emergency call.

EMYtest offers

- Consultancy on the deployment of NG112
- Interoperability tests between software components that comply to the EENA NG112 LTD document
- Manufacturers of NG112 and NG911 products to test their solutions against legacy systems
- Support in developing innovative solutions for current and future emergency services challenges

Technologies

- VoIP (Voice over IP)
- IMS (IP Multimedia Subsystem)
- SIP, SOS URNs
- Location (LLDP-MED, DHCP, HELD, CellID, WiFi)
- Sensor data transmission (CAP, SensorML)
- Integration of Smart Home devices (e.g. Amazon Echo)
- Text based emergency call via Skype