New ETSI Standard Enables Next Generation Emergency Services Communications

SOPHIA ANTIPOLIS, FRANCE, April 11, 2023 /EINPresswire.com/ -- - New specification allows multimedia calls with video, text, photos to emergency services
- Real time data location even in roaming situation
- Compatible with 3GPP VoLTE
- NG112 interoperable with NG911

Today, most emergency services can only receive voice telephone calls. With all communication means that citizens now use in their daily life, they expect to use them as well to reach emergency services. To help achieve this goal, ETSI has just released a revised version of the specification ETSI TS 103 479. Developed by the technical committee EMTEL (emergency communications), this specification defines next generation core services (NGCS). These new services allow you to utilize multimedia emergency communication (voice, photos, video, text) to contact the relevant emergency call centre. Depending on different countries, there may be one or more emergency control centres, or public safety answering points (PSAPs). In case there are several control centres, they are networked via packet switched infrastructure or, in standard terms, an emergency services IP network (ESInet) to provide a reliable infrastructure for emergency communications and data sharing in real-time. This will help to improve decision-making and response times during emergencies.

This revision also provides a technical basis for national packet switched infrastructure, giving access to emergency services communications to all citizens. Indeed, it includes the requirement to support Total Conversation (i.e., voice, video and real-time text combined in a single conversation) and Real-time text which can, for instance, help hearing-impaired people. In addition, to achieve a European harmonization of emergency communications, it is key to choose the right terminology, also included in this new specification.

“The recent publication is an essential foundation for European standardization of emergency communication. It addresses the technical challenges of multimedia conversations coming from different networks and is thus an important contribution to offer access to emergency services for all. We are pleased to contribute to the continuous improvement of emergency services for all European citizens” says Wolfgang KAMPICHLER, ETSI rapporteur of this specification.

Interoperability at an international level is also very important, and the ETSI technical committee EMTEL, in coordination with NENA, the US national emergency number association, has standardized the designation for namespaces in order to create the basis for a global standard.

Another main technical addition of ETSI TS 103 479 includes a mechanism to update location data directly from the terminal even during an active emergency communication. It allows the routing to the correct emergency control centre based on the location information. This mechanism makes it also possible to manage roaming situations, for instance when you are abroad but connected remotely to your originating service provider (OSP). The latter applies in particular to VoIP or APP service providers.

The ETSI specification enables a standard-compliant integration of different networks with the next generation core services of an ESInet. As the use of mobile communications is constantly increasing, compatibility with 3GPP VoLTE is especially important and allows the use of native communication functions of mobile devices in emergency situations.

About ETSI

ETSI provides members with an open and inclusive environment to support the development, ratification and testing of globally applicable standards for ICT systems and services across all sectors of industry and society. We are a non-profit body, with more than 900 member organizations worldwide, drawn from over 60 countries and five continents. The members comprise a diversified pool of large and small private companies, research entities, academia, government, and public organizations. ETSI is officially recognized by the EU as a European Standardization Organization (ESO).

For more information, please visit us at https://www.etsi.org/

Claire Boyer
ETSI
+33 6 87 60 84 40
claire.boyer@etsi.org

This press release can be viewed online at: https://www.einpresswire.com/article/627275138

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors

try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2024 Newsmatics Inc. All Right Reserved.