

Tiesňové komunikácie (EMTEL) Európska služba varovania obyvateľstva založená na technológii bunkového vysielania (EU-ALERT)

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Emergency Communications (EMTEL) European Public Warning System (EU-ALERT) using the Cell Broadcast Service

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Emergency Communications (EMTEL).

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

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Introduction

Initially, the Netherlands have taken the lead in an EC funded project on "Cell Broadcast for Public Warning" and enrolled NL-Alert in 2012. A number of European countries have investigated the possibility of deploying a Public Warning Service in their own country and have given their support to the EC funded project.

The generic name for the European Public Warning System is EU-ALERT. The letters EU are replaced by characters identifying a particular country (e.g. NL-ALERT signifying the Netherlands, UK-ALERT signifying the United Kingdom). Such a strategy allows each country to configure their own Public Warning System to meet their specific national requirements whilst incorporating it within a common core specification agreed by all European countries. By this approach roaming is supported and terminal behaviour is uniform, irrespective of the country which the subscriber is roaming in.

Since Public Warning became mandatory in all EU member states (see the Official Journal of the European Union, L321 [i.5]), EU-ALERT has been implemented in a number of EU countries and several EU countries are in the process of implementing EU-ALERT.

1 Scope

The present document defines the system requirements for a European Public Warning Service using the Cell Broadcast Service, defined in ETSI TS 123 041 [1], as a means of message distribution and delivery to User Equipment (UE).

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

[1]	ETSI TS 123 041: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041)".
[2]	ETSI TS 122 268: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Public Warning System (PWS) requirements (3GPP TS 22.268)".

- [3] <u>ETSI TS 102 182</u>: "Emergency Communications (EMTEL); Requirements for communications from authorities/organizations to individuals, groups or the general public during emergencies".
- [4] Void.
- [5] <u>ETSI TS 125 331</u>: "Universal Mobile Telecommunications System (UMTS); Radio Resource Control (RRC); Protocol specification (3GPP TS 25.331)".
- [6] <u>ISO 3166-1:</u> "Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes".
- [7] <u>ETSI TS 123 038</u>: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Alphabets and language-specific information (3GPP TS 23.038)".

2.2 Informative references

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] Void.

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[i.2]	ETSI TR 122 968: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study for requirements for a Public Warning System (PWS) service (3GPP TR 22.968)".
[i.3]	ETSI TR 102 850: "Emergency Communications (EMTEL); Analysis of Mobile Device Functionality for PWS".
[i.4]	Void.
[i.5]	Official Journal of the European Union, L 321, 17 December 2018.
[i.6]	BoR (20) 115: "BEREC guidelines on how to assess the effectiveness of public warning systems transmitted by different means".

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