

STN P	Digitálny bunkový telekomunikačný systém (Fáza 2+) (GSM) Univerzálny mobilný telekomunikačný systém (UMTS) LTE 5G Požiadavky na systém varovania obyvateľstva (PWS) (3GPP TS 22.268 verzia 18.3.0, vydanie 18)	STN P ETSI TS 122 268 V18.3.0 87 2268
------------------	---	---

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Public Warning System (PWS) requirements (3GPP TS 22.268 version 18.3.0 Release 18)

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/25

Obsahuje: TS 122 268 V18.3.0:2023

140575

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

ETSI TS 122 268 V18.3.0 (2023-07)



**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
5G;
Public Warning System (PWS) requirements
(3GPP TS 22.268 version 18.3.0 Release 18)**



ReferenceRTS/TSGS-0122268vi30

Keywords5G,GSM,LTE,UMTS

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from:

<https://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

If you find errors in the present document, please send your comment to one of the following services:

<https://portal.etsi.org/People/CommitteeSupportStaff.aspx>

If you find a security vulnerability in the present document, please report it through our
Coordinated Vulnerability Disclosure Program:

<https://www.etsi.org/standards/coordinated-vulnerability-disclosure>

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2023.
All rights reserved.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<https://ipr.etsi.org/>).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the GSM logo are trademarks registered and owned by the GSM Association.

Legal Notice

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities. These shall be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between 3GPP and ETSI identities can be found under <https://webapp.etsi.org/key/queryform.asp>.

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 [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Legal Notice	2
Modal verbs terminology.....	2
Foreword.....	5
1 Scope	6
2 References	6
3 Definitions and abbreviations.....	7
3.1 Definitions	7
3.2 Abbreviations	7
4 General PWS Requirements	7
4.1 Background	7
4.2 High level general requirements for Warning Notification delivery	8
4.3 Warning Notification Content	8
4.4 Granularity of the distribution	8
4.5 Support of Warning Notification Providers.....	9
4.6 PWS-UE Requirements	9
4.6.1 General Requirements.....	9
4.6.2 Support of non-Warning Notification capable UEs	9
4.6.3 Battery Life of PWS-UE	10
4.6.4 Enabling and disabling of Warning Notifications.....	10
4.7 Roaming Requirements	10
4.8 Security Requirements	10
4.9 Regulatory Requirements	11
5 Earthquake and Tsunami Warning System	11
5.1 Background	11
5.2 Duration of delivery time	11
5.3 Information element and volume.....	11
5.4 Priority.....	12
5.5 Roaming users	12
6 CMAS Specific Requirements	13
6.1 Introduction to CMAS.....	13
6.2 Additional PWS Requirements Specific to CMAS	13
7 EU-ALERT Specific Requirements	14
7.1 Introduction to EU-ALERT.....	14
7.2 Additional PWS Requirements Specific to EU-ALERT	14
8 Korean Public Alert System specific Requirements	15
8.1 Introduction to Korean Public Alert System	15
8.2 Additional PWS Requirements Specific to Korean Public Alert System (KPAS)	15
9 Enhancements of Public Warning System (ePWS).....	16
9.1 Service description	16
9.2 General Requirements	16
9.2.1 ePWS Requirements	16
9.2.2 Battery Life of ePWS-UE	17
9.2.3 Enabling and disabling of Warning Notifications.....	17
9.3 Requirements for 3GPP system supporting ePWS-UEs.....	17
9.4 Requirements for ePWS-UE incapable of displaying text based Warning Notification	17
9.4.1 Requirements for ePWS-UE with no user interface	17
9.4.2 Requirements for ePWS-UE with a user interface incapable of displaying text based Warning Notification	18
9.5 Requirements for the improvement of understanding the Warning Notification	18

10	Relay of Warning Notification	18
10.1	Service description	18
10.2	Requirements for the relay functionality	18
	History	21

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

This Technical Specification defines the stage one description of the Public Warning System (PWS) Requirements. Stage one is the set of requirements seen primarily from the users' and service providers' points of view.

The scope of this TS covers the core requirements for the PWS that are sufficient to provide a complete service. This TS also covers subsystem additional requirements for the Earthquake and Tsunami Warning System (ETWS), the Commercial Mobile Alert System (CMAS), EU-ALERT, and Korean Public Alert System (KPAS).

This TS includes information applicable to network operators, service providers, terminal and network manufacturers, in case of deployment of PWS, ETWS, and or CMAS, EU-ALERT, and KPAS. PWS, ETWS, CMAS, EU-ALERT, and KPAS deployment depends on operator decision or national regulations.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] FCC 08-99: "Federal Communications Commission First Report and Order In the Matter of The Commercial Mobile Alert System"; April 9, 2008.
- [2] FCC 08-164: "Federal Communications Commission Second Report and Order and Further Notice of Proposed Rulemaking In the Matter of The Commercial Mobile Alert System"; July 8, 2008.
- [3] FCC 08-184: "Federal Communications Commission Third Report and Order and Further Notice of Proposed Rulemaking In the Matter of The Commercial Mobile Alert System"; August 7, 2008.
- [4] J-STD-100: "Joint ATIS/TIA-CMAS Mobile Device Behavior Specification"; January 30, 2009.
- [5] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [6] ETSI TS 102 900: "European Public Warning System (EU-ALERT) using the Cell Broadcast Service".
- [7] TTA TTAK.KO-06.0263: "Requirements and Message Format for Korean Public Alert System over Mobile Network".
- [8] FCC 16-127, Federal Communications Commission Report and Order and Further Notice of Proposed Rulemaking In the Matter of Wireless Emergency Alerts Amendments to Part 11 of the Commission's Rules Regarding the Emergency Alert System; September 29, 2016.
- [9] 3GPP TS 23.038; "Alphabets and language-specific information"
- [10] FCC 18-4, Federal Communications Commission Second Report and Order and Second Order on Reconsideration In the Matter of Wireless Emergency Alerts and Amendments to Part 11 of the Commission's Rules Regarding the Emergency Alert System; January 30, 2018
- [11] 3GPP TS 22.071: "Location Services (LCS); Service description; Stage 1"

koniec náhľadu – text ďalej pokračuje v platenej verzii STN