



**Digital cellular telecommunications system (Phase 2+);  
Universal Mobile Telecommunications System (UMTS);  
LTE;  
Study for requirements for a  
Public Warning System (PWS) service  
(3GPP TR 22.968 version 13.0.0 Release 13)**



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# 1 Scope

This Technical Report (TR) represents the results of the Study on Public Warning System (PWS). The intent of this study is to identify requirements and aspects for a Public Warning System. The regulatory requirements and use cases for a public warning service have not been finalized in all regions (i.e. in the USA) therefore, the results of this study are not applicable for those regions which do not have regulatory requirements defined.

The Public Warning System is intended to interwork with external networks to provide an end-to-end service. Therefore, service interactions with a Warning Notification Provider in external networks are considered within the scope of this document, although the specification of these interactions may be in other standards. If this occurs, a reference to that specification shall be made.

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[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] ETSI TS 102 182: "Emergency Communications (EMTEL); Requirements for communications from authorities/organizations to the individuals, groups or the general public during emergencies".

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# 3 Definitions, symbols and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

**Notification Area:** is an area where *warning notifications* are sent.

**Public Warning System:** is a system that delivers *Warning Notifications* provided by *Warning Notification Providers* to the UEs which have the capability of receiving *Warning Notifications* within *Notification Areas* through the 3GPP network.

**Public Warning Service:** is a service that delivers *Warning Notifications* provided by *Warning Notification Providers* to the UEs which have the capability of receiving *Warning Notifications* within *Notification Areas* through the 3GPP network.

**Warning Notification:** is information which notifies users of the occurrence of the events and may provide users with additional information, such as instructions on what to do and or where to get help as long as the emergency lasts.

**Warning Notification Provider:** is an agency (e.g. government and or public service organisations) that provide *warning notifications* and requests PLMN operators to deliver them.