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**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Service aspects;  
Service principles  
(3GPP TS 22.101 version 15.7.0 Release 15)**



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# 1 Scope

This Technical Specification (TS) describes the Service Principles for PLMNs specified by 3GPP. Principles and requirements for interworking with WLAN are covered in TS 22.234 [35].

3GPP specifications provide integrated personal communications services. The system will support different applications ranging from narrow-band to wide-band communications capability with integrated personal and terminal mobility to meet the user and service requirements of the 21<sup>st</sup> century.

3GPP specifications allow the realisation of a new generation of mobile communications technology for a world in which personal communications services should allow person-to-person calling, independent of location, the terminal used, the means of transmission (wired or wireless) and the choice of technology. Personal communication services should be based on a combination of fixed and wireless/mobile services to form a seamless end-to-end service for the user.

3GPP specifications should be in compliance with the following objectives:

- a) to provide a single integrated system in which the user can access services in an easy to use and uniform way in all environments;
- b) to allow differentiation between service offerings of various serving networks and home environments;
- c) to provide a wide range of telecommunications services including those provided by fixed networks and requiring user bit rates of up to 100 Mbit/s as well as services special to mobile communications. These services should be supported in residential, public and office environments and in areas of diverse population densities. These services are provided with a quality comparable with that provided by fixed networks such as ISDN and fixed broadband Internet access;
- d) to provide services via hand held, portable, vehicular mounted, movable and fixed terminals (including those which normally operate connected to fixed networks), in all environments (in different service environments - residential, private domestic and different radio environments) provided that the terminal has the necessary capabilities;
- e) to provide support of roaming users by enabling users to access services provided by their home environment in the same way even when roaming.
- f) to provide audio, data, video and particularly multimedia services;
- g) to provide for the flexible introduction of telecommunication services;
- h) to provide within the residential environment the capability to enable a pedestrian user to access all services normally provided by fixed networks;
- i) to provide within the office environment the capability to enable a pedestrian user to access all services normally provided by PBXs and LANs;
- j) to provide a substitute for fixed networks in areas of diverse population densities, under conditions approved by the appropriate national or regional regulatory authority.
- k) to provide support for interfaces which allow the use of terminals normally connected to fixed networks.

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# 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*.

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- [2] Void
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- [7] 3GPP TS 22.066: "Support of Mobile Number Portability (MNP); Service description; Stage 1"
- [8] 3GPP TS 22.079: " Support of Optimal Routeing (SOR); Service definition; Stage 1".
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