

# 3G TS 22.228 V1.0.0 (2000-09)

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*Technical Specification*

**3rd Generation Partnership Project;  
Technical Specification Group Services and System Aspects;  
Service requirements for the IP Multimedia  
Core Network Subsystem (Stage 1)  
(Release 5)**

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Reference

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**3GPP**

Postal address

---

3GPP support office address

---

650 Route des Lucioles - Sophia Antipolis  
Valbonne - FRANCE  
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Internet

---

<http://www.3gpp.org>

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## Foreword

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# 1 Scope

This TS defines the service requirements from users', operators'/service providers' and content providers' perspective for the support of IP multimedia applications.

IP multimedia applications are supported by IP multimedia sessions in the IM CN Subsystem. IP multimedia sessions use IP connectivity bearers (e.g. GPRS as a bearer). Examples of IP multimedia applications include speech communication, real time multimedia applications, shared online whiteboards etc.

This TS, in general, does not standardise usage of IP multimedia applications, but instead identifies the requirements to enable their support.

In order to align IP multimedia applications wherever possible with non-3GPP IP applications, the general approach is to adopt non-3GPP IP based solutions.

The existing legacy tele- and supplementary services shall not be re-standardised as IP multimedia applications, and multimedia equivalent applications may be created with toolkits.

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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.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

## 2.1 Normative references

- [1] TS 22.003: " CS Teleservices supported by a PLMN".
- [2] TS 22.011: "Service Accessibility".
- [3] TS 22.060: "General Packet Radio Service (GPRS) stage 1".
- [4] TS 22.066: "Support of Mobile Number Portability (MNP)".
- [5] TS 22.101: "Service principles".
- [6] TS 22.105: "Services and Service Capabilities".
- [7] TS 22.121: "3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; The Virtual Home Environment"
- [8] TS 22.129: "Handover requirements between UMTS and GSM and other Radio Systems".
- [9] RFC2543: "SIP: Session Initiation Protocol"
- [10] TS 22.078: "Customised Applications for Mobile network Enhanced Logic (CAMEL); Service definition - Stage 1"
- [11] TS 22.057: "Mobile Execution Environment (MExE); Service description, Stage 1"

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