Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 5.9.0 Release 5)
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Foreword

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, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under http://webapp.etsi.org/key/queryform.asp.
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Foreword

This Technical Specification (TS) 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**

The present document identifies the 3rd generation mobile system specifications for Release 5. The specifications and reports of 3GPP Release 5 have a major version number 5 (e.g. 5.x.y).

Most of the core Release 5 Technical Specifications and Technical Reports were functionally frozen at either the 15th Technical Specification Group meetings in March 2002 or the 16th in June 2002.

**NOTE 1:** Functionally frozen means that no further functionality/features may be incorporated into the set of specifications, and that only corrective Change Requests (CRs) are to be accepted and agreed.

**NOTE 2:** It can be expected that corrective CRs will be introduced into the Release 5 version 5.x.y specifications throughout 2002 and beyond.

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

3 **Abbreviations**

For the purposes of the present document, the terms and definitions given in 3GPP TS 21.905 [1] apply.

4 **General**

Release 5 consists of 3G-only specifications and the GSM Core Network specifications developed for both GSM Release 5 and Release 5 of the 3rd Generation mobile system.

The present document identifies the 3G system set of specifications required to implement Release 5.

The numbering scheme for specifications is described in 3GPP TR 21.900 [2].
5 Specifications and Reports of 3G Release 5

NOTE 1: The "for publication?" column of the table below indicates whether or not the documents are intended for adoption by the partner Standards Development Organizations as their own publications. Those marked "no" are internal working documents of the 3GPP TSGs.

NOTE 2: Some of the algorithm specifications in the 35.-series are available only under licence.


NOTE 4: For definition of "freezing" of specifications (last two columns), see 3GPP TS 21.900 [2].

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- Universal Geographical Area Description (GAD)
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<td>R4</td>
<td>Yes</td>
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<td>yes</td>
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<td>Base Station classification (TDD)</td>
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<td>Yes</td>
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<td>Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis</td>
<td>R4</td>
<td>Yes</td>
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<td>Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment</td>
<td>R4</td>
<td>Yes</td>
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<td>Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)</td>
<td>R2</td>
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<td>Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults</td>
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<td>Transparent end-to-end Packet-switched Streaming Service (PSS): Protocols and codecs</td>
<td>S4</td>
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<td>Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)</td>
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<td>customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification</td>
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