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**Digital cellular telecommunications system (Phase 2+) (GSM);
Performance requirements on the mobile radio interface
(3GPP TS 44.013 version 14.0.0 Release 14)**



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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope	5
2 References	5
3 Abbreviations and definitions	6
3.1 Abbreviations	6
3.2 Definitions.....	6
4 Default conditions	6
5 Requirements.....	6
5.1 General requirements	6
5.1.1 Response to layer 3 message.....	6
5.1.2 Response to an erroneous layer 3 message	7
5.2 Layer 3 Radio Resource signalling.....	7
5.2.0 Paging	7
5.2.1 Paging and cell reselection after channel release	7
5.2.2 Paging commands and immediate assignment rejection (Timer T3122)	7
5.2.3 Immediate assignment (Timer T3101).....	7
5.2.4 Channel assignment	7
5.2.5 Channel mode modify.....	7
5.2.6 Handover access	8
5.2.6.1 Finely, pseudo and pre synchronized cases	8
5.2.6.2 Non synchronized case.....	8
5.2.7 Encryption.....	9
5.2.8 Classmark change	9
5.2.9 Classmark interrogation	9
5.2.10 Release (Timer T3110).....	9
5.2.11 Early sending of the CLASSMARK CHANGE message	9
5.3 Layer 3 Mobility Management signalling	9
5.3.1 Periodic location updating timer	9
5.3.2 Identification.....	9
5.3.3 Authentication.....	10
5.3.4 T3240 expiry.....	10
5.3.5 TMSI reallocation.....	10
5.3.6 IMSI detach	10
5.3.7 Location updating with random access failure.....	10
5.3.8 Follow on call	10
5.4 Layer 3 Call Control signalling	10
5.4.1 Time to send SETUP message.....	10
5.4.2 Response times to CC messages	11
5.4.3 User alerting.....	11
5.4.4 Call establishment.....	11
5.4.5 Call reestablishment.....	12
5.4.6 In call modification.....	12
5.4.7 DTMF	12
5.5 Supplementary service signalling.....	12
5.5.1 Advice of Charge Charging (AoCC)	12
5.6 Short Message Services Point-to-Point	12
5.6.1 CP-DATA	12
5.6.2 RP-DATA	13
Annex A (informative): Change History	14
History	15

Foreword

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1 Scope

The present document specifies measurable performance requirements for signalling aspects of Mobile Stations (MS)s. To allow implementation flexibility it has been chosen to specify requirements on the whole Mobile Station rather than to specify requirements on each "OSI layer". As a consequence the performance requirements do not fit conveniently in specifications such as 3GPP TS 24.008 [4] and 3GPP TS 44.018 [4a] (layer 3 only) or 3GPP TS 44.006 [3] (layer 2 only).

The main aim of the present document is to provide the justification for testing of requirements that are not included in other GSM specifications. Where specific requirements are included in other GSM specifications they are not duplicated here.

MSs have to perform a wide variety of functions. As a consequence most performance measurements have to be made under a set of defined conditions: where necessary, these are included in the present document.

Where necessary certain assumptions are made about the interaction times between the mobile equipment and the SIM. If the (test) SIM does not respond within the assumed time then appropriate allowances shall be made.

Additionally, it is intended that the present document should contain sufficient requirements to enable some undefined network timers in 3GPP TS 24.008 [4] and 3GPP TS 44.018 [4a] to be calculated.

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.
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[1] Void.

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

[2] 3GPP TS 43.022: "Functions related to Mobile Station (MS) in idle mode and group receive mode".

[3] 3GPP TS 44.006: "Mobile Station - Base Station System (MS - BSS) interface; Data Link (DL) layer specification".

[4] 3GPP TS 24.008: "Mobile radio interface; Layer 3 specification".

[4a] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".

[5] 3GPP TS 24.086: "Advice of Charge (AoC) supplementary services; Stage 3".

[6] 3GPP TS 45.002: "Multiplexing and multiple access on the radio path".

[7] 3GPP TS 45.008: "Radio subsystem link control".