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Technical Specification

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Functional description;
Stage 2 (UMTS)
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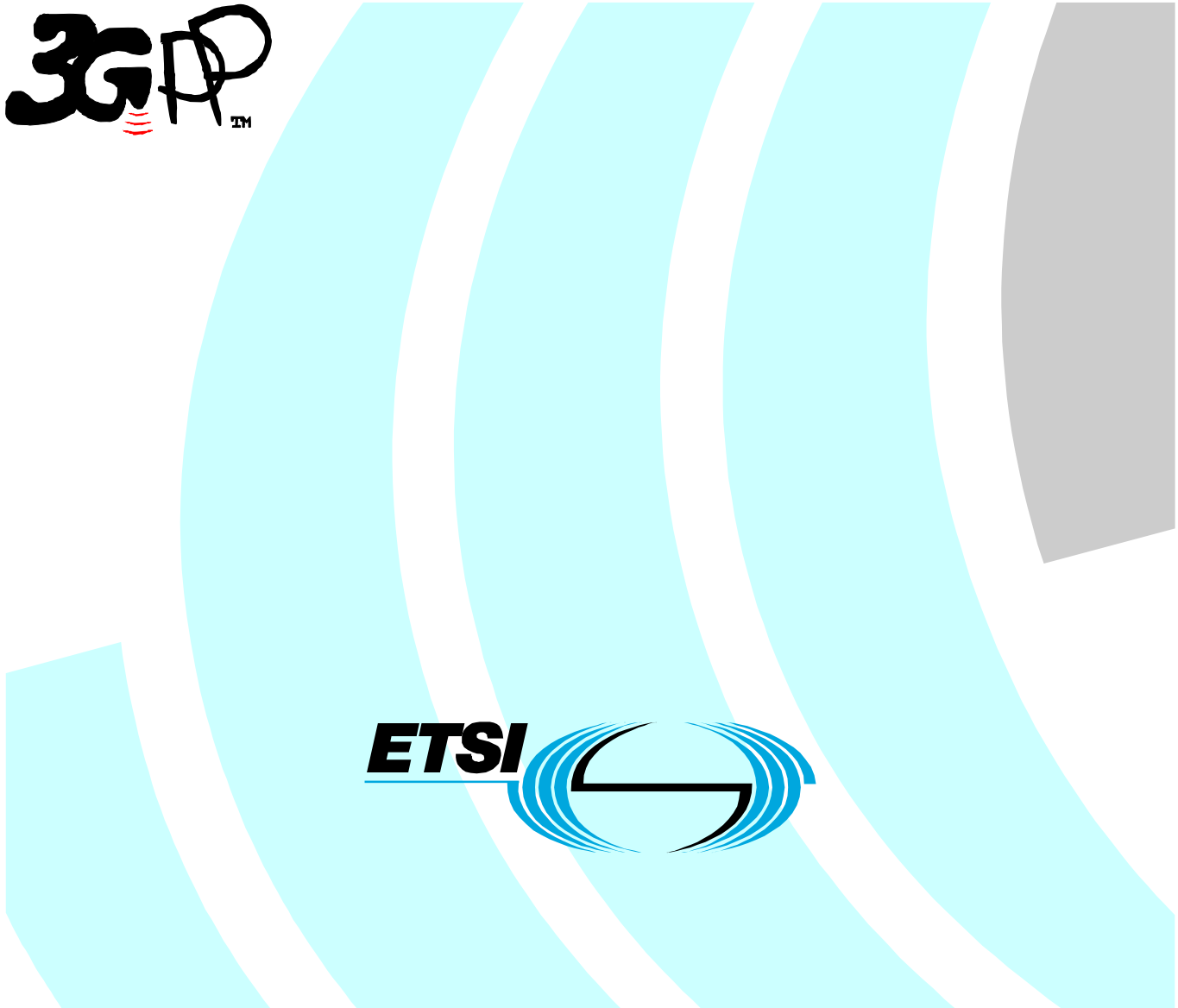

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Foreword

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1 Scope

The present document specifies the stage 2 of the LoCation Services (LCS) feature in UMTS, which provides the mechanisms to support mobile location services for operators, subscribers and third party service providers.

Location Services may be considered as a network provided enabling technology consisting of standardised service capabilities, which enable the provision of location applications. The application(s) may be service provider specific. The description of the numerous and varied possible location applications which are enabled by this technology are outside the scope of the present document. However, clarifying examples of how the functionality being described may be used to provide specific location services may be included.

This stage 2 service description covers the LCS system functional model for the whole system, the LCS system architecture, state descriptions, message flows, etc.

2 References

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2.1 Normative references

[1] 3G TR 25.305: "Functional stage 2 specification of location services in UTRAN".

[2] GSM 01.04 (ETR 350): "Abbreviations and acronyms".

[3] 3G TS 21.905: "UMTS Abbreviations and acronyms".

[4] 3G TS 22.071: "Location Services (LCS); Service description, Stage 1".

[5] GSM 03.71: "Location Services (LCS); (Functional description) - Stage 2".

[6] GSM 03.32: "Universal Geographical Area Description".

[7] 3G TS 22.100: "UMTS phase 1 Release 99".

[8] 3G TS 22.101: "Service principles".

[9] 3G TS 22.105: "Services and Service Capabilities".

[10] 3G TS 22.115: "Charging and Billing".

[11] 3G TS 22.121: "The Virtual Home Environment".

[12] 3G TS 23.110: "UMTS Access Stratum; Services and Functions".

[13] PD 30.lcs: "Project Plan for location services in UMTS".

[14] 3G TS 25.413: "UTRAN Iu Interface RANAP signalling".

[15] 3G TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".