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LTE;
Access to the 3GPP Evolved Packet Core (EPC)
via non-3GPP access networks;
Stage 3
(3GPP TS 24.302 version 15.7.0 Release 15)**



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Foreword

This Technical Specification 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:

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1 Scope

The present document specifies the discovery and network selection procedures for access to 3GPP Evolved Packet Core (EPC) via non-3GPP access networks and includes Authentication and Access Authorization using Authentication, Authorization and Accounting (AAA) procedures used for the interworking of the 3GPP EPC and the non-3GPP access networks.

The present document also specifies the Tunnel management procedures used for establishing an end-to-end tunnel from the UE to the ePDG to the point of obtaining IP connectivity and includes the selection of the IP mobility mode.

The non-3GPP access networks considered in this present document are cdma2000[®] HRPD and Worldwide Interoperability for Microwave Access (WiMAX), and any access technologies covered in 3GPP TS 23.402 [6]. The present document also specifies UE access to PLMN IP-based services via restrictive non-3GPP access networks covered in 3GPP TS 33.402 [15]. These non-3GPP access networks can be trusted or untrusted access networks.

The present document is applicable to the UE and the network. In this technical specification the network is the 3GPP EPC.

NOTE: cdma2000[®] is a registered trademark of the Telecommunications Industry Association (TIA-USA).

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".
- [2] Void.
- [2A] 3GPP TS 23.002: "Network architecture".
- [3] 3GPP TS 23.003: "Numbering, addressing and identification".
- [4] 3GPP TS 23.122: "Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode".
- [5] Void.
- [5A] 3GPP TS 23.203: "Policy and Charging Control Architecture".
- [6] 3GPP TS 23.402: "Architecture enhancements for non-3GPP accesses".
- [7] Void.
- [8] Void.
- [9] 3GPP TS 24.234 v12.2.0: "3GPP System to Wireless Local Area Network (WLAN) interworking; WLAN User Equipment (WLAN UE) to network protocols".
- [10] 3GPP TS 24.301: "Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS)".
- [11] 3GPP TS 24.303: "Mobility management based on Dual-Stack Mobile IPv6".