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Contents

Foreword

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1 Scope

This document specifies the signalling procedures for handling the mobility of a UE between 3GPP Wireless Local Area Network Interworking (I-WLAN) and GPRS systems.

The present document is applicable to the User Equipment (UE) and the network nodes supporting mobility between 3GPP I-WLAN and GPRS systems.

In addition, the present document specifies the procedures used between the UE and the network nodes for the attach and the detach cases. It also specifies how the UE performs handover when moving from 3GPP I-WLAN to GPRS systems and vice-versa.

This document is based on DSMIPv6 procedures specified in 3GPP TS 24.303 [3] and will specify additional details specific to the 3GPP I-WLAN and GPRS systems in the context of mobility.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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

[2] 3GPP TS 23.327: "Mobility between 3GPP-Wireless Local Area Network (WLAN) Interworking and 3GPP Systems".

[3] 3GPP TS 24.303: "Mobility management based on Dual-Stack Mobile IPv6".

[4] 3GPP TS 24.008: "Mobile Radio Interface Layer 3 specification; Core network protocols".

[5] 3GPP TS 24.234: "3GPP system to Wireless Local Area Network (WLAN) interworking; WLAN User Equipment (WLAN UE) to network protocols".

[6] 3GPP TS 29.061: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)".

[7] 3GPP TS 29.161: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) Access and Packet Data Networks (PDN)".

[8] IETF RFC 4877 (April 2007): "Mobile IPv6 Operation with IKEv2 and the Revised IPsec Architecture".

[9] IETF RFC 5996 (September 2010): "Internet Key Exchange Protocol Version 2 (IKEv2)".

[10] IETF RFC 5555 (June 2009): "Mobile IPv6 Support for Dual Stack Hosts and Routers".

[11] IETF RFC 3776 (June 2004): "Using IPsec to Protect Mobile IPv6 Signaling Between Mobile Nodes and Home Agents".

[12] IETF RFC 6275 (July 2011): "Mobility Support in IPv6".

[13] Void.