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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
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Foreword

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1 Scope

The present document specifies the procedures of network-based IP flow mobility (NBIFOM). NBIFOM is based on network mobility protocols (i.e. GTP or PMIP) which is performed between 3GPP access and WLAN access network as specified in 3GPP TS 23.161 [2].

NOTE: IP flow mobility based on PMIP is not supported in this release of the specification.

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] 3GPP TS 23.161: "Network-Based IP Flow Mobility (NBIFOM); Stage 2".
- [3] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core network protocols; Stage 3".
- [4] 3GPP TS 24.301: "Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3".
- [5] 3GPP TS 24.302: "Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3".
- [6] 3GPP TS 24.244: "Wireless LAN control plane protocol for trusted WLAN access to EPC".
- [7] 3GPP TS 29.274: "Tunnelling Protocol for Control plane (GTPv2-C)".
- [8] IEEE Std 802.11-2012: "IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

3GPP access is unusable: the UE detects that usage of 3GPP access is prevented based on a UE implementation specific mechanism.

3GPP access is usable: 3GPP access is not unusable.

WLAN access is unusable: the UE detects that usage of the WLAN access is prevented based on a UE implementation specific mechanism.