

ETSI TS 125 453 V13.1.0 (2016-05)



**Universal Mobile Telecommunications System (UMTS);
UTRAN Iu-CS interface Positioning Calculation
Application Part (PCAP) signalling
(3GPP TS 25.453 version 13.1.0 Release 13)**



Reference

RTS/TSGR-0325453vd10

Keywords

UMTS

ETSI

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1 Scope

The present document specifies the *Positioning Calculation Application Part (PCAP)* between the Radio Network Controller (RNC) and the Stand-Alone SMLC (SAS). It fulfills the RNC-SAS communication requirements specified in TS 25.305 [6] and thus defines the Iupc interface and its associated signaling procedures.

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
- [2] Void
- [3] 3GPP TS 25.452: "UTRAN Iupc interface signalling transport".
- [4] 3GPP TS 25.331: "Radio Resource Control (RRC) Protocol Specification".
- [5] Void
- [6] 3GPP TS 25.305: "Stage 2 functional specification of UE positioning in UTRAN".
- [7] ITU-T Recommendation X.680 (2002-07): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [8] ITU-T Recommendation X.681 (2002-07): "Information technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [9] ITU-T Recommendation X.691 (2002-07): "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [10] ICD-GPS-200: (12 April 2000) "Navstar GPS Space Segment/Navigation User Interface".
- [11] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
- [12] 3GPP TR 25.921 (version 7.0.0): "Guidelines and principles for protocol description and error handling".
- [13] 3GPP TS 25.133: "Requirements for support of Radio Resource management (FDD)".
- [14] 3GPP TS 25.123: "Requirements for support of Radio Resource management (TDD)".
- [15] 3GPP TS 22.071: "Location Services (LCS); Service Description; Stage1".
- [16] 3GPP TS 25.212: "Multiplexing and Channel Coding (FDD)".
- [17] 3GPP TS 25.213: "Spreading and Modulation (FDD)".
- [18] 3GPP TS 25.223: "Spreading and Modulation (TDD)".
- [19] 3GPP TS 25.221: "Physical channels and mapping of transport channels onto physical channels (TDD)".