



**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Universal Terrestrial Radio Access (UTRA) and  
Evolved Universal Terrestrial Radio Access (E-UTRA);  
Radio measurement collection for  
Minimization of Drive Tests (MDT);  
Overall description;  
Stage 2  
(3GPP TS 37.320 version 13.0.0 Release 13)**



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Keywords

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# 1 Scope

The present document provides an overview and overall description of the minimization of drive tests functionality.

The document describes functions and procedures to support collection of UE-specific measurements for MDT using Control Plane architecture, for both UTRAN and E-UTRAN.

Details of the signalling procedures for single-RAT operation are specified in the appropriate radio interface protocol specification. Network operation and overall control of MDT is described in OAM specifications.

NOTE: The focus is on conventional macro cellular network deployments. In the current release no specific support is provided for H(e)NB deployments.

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# 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] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".
- [3] 3GPP TS 36.133: "Requirements for support of radio resource management (FDD)".
- [4] 3GPP TS 25.331: "Radio Resource Control (RRC); Protocol specification".
- [5] 3GPP TS 36.331: "Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification".
- [6] 3GPP TS 32.422: "Subscriber and equipment trace; Trace control and configuration management".
- [7] 3GPP TS 25.215: "Physical Layer; Measurements (FDD)".
- [8] 3GPP TS 25.225: "Physical Layer; Measurements (TDD)".
- [9] 3GPP TS 36.214: "Evolved Universal Terrestrial Radio Access (E-UTRA); Physical Layer; Measurements".
- [10] 3GPP TS 36.321: "Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC); Protocol Specification".
- [11] 3GPP TS 36.213: "Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures".
- [12] 3GPP TS 36.300: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); Overall description; Stage 2".
- [13] 3GPP TS 36.314: "Evolved Universal Terrestrial Radio Access (E-UTRA); Layer 2 – Measurements".
- [14] 3GPP TS 25.321: "Medium Access Control (MAC) Protocol Specification".