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**LTE;
Evolved Universal Terrestrial Radio Access Network (E-UTRAN);
Signalling Transport for interfaces supporting Multimedia
Broadcast Multicast Service (MBMS) within E-UTRAN
(3GPP TS 36.442 version 13.0.0 Release 13)**



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1 Scope

The present document specifies the standards for signalling transport to be used across M2 and M3 interfaces. M2 interface is a logical interface between the eNB and the MCE. M3 interface is a logical interface between the MCE and the MME. The present document describes how the M2-AP signalling messages are transported over M2, and how the M3-AP signalling messages are transported over M3.

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] IETF RFC 2460 (1998-12): "Internet Protocol, Version 6 (IPv6) Specification".
- [3] IETF RFC 791 (1981-09): "Internet Protocol".
- [4] IETF RFC 2474 (1998-12): "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".
- [5] IETF RFC 4960 (2007-09): "Stream Control Transmission Protocol".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in 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 TR 21.905 [1].

M2: E-UTRAN internal control plane interface between an eNB and an MCE, It is also considered as a reference point.

M3: Control plane interface between an E-UTRAN (MCE) and MME. It is also considered as a reference point.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

eNB	E-UTRAN Node B
DiffServ	Differentiated Service
IP	Internet Protocol
MME	Mobility Management Entity
PPP	Point to Point Protocol
SCTP	Stream Control Transmission Protocol