ETSI TS 136 420 V14.0.1 (2017-04)

LTE;
Evolved Universal Terrestrial Radio Access Network (E-UTRAN);
X2 general aspects and principles
(3GPP TS 36.420 version 14.0.1 Release 14)

Reference
RTS/TSGR-0336420ve01

Keywords
LTE

ETSI

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Contents

Foreword

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1 Scope.

The present document is an introduction to the TSG RAN TS 36.42x series of UMTS Technical Specifications that define the X2 interface. It is an interface for the interconnection of two E-UTRAN NodeB (eNB) components within the Evolved Universal Terrestrial Radio Access Network (E-UTRAN) architecture (TS 36.401 [2]).

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 36.401: “Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture description”.

[3] 3GPP TS 36.421: “Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1”.

[4] 3GPP TS 36.422: “Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signaling transport”.

[5] 3GPP TS 36.423: “Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 application protocol (X2AP)”.

[6] 3GPP TS 36.424: “Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport”.

[7] IETF RFC 4960 (2007-09): “Stream Control Transmission Protocol”.

[8] 3GPP TS 36.300: “Evolved Universal Terrestrial Radio Access (E-UTRA), Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2”.

3 Definitions, symbols 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].

Dual Connectivity: Defined in TS 36.300 [8].

E-RAB: Defined in TS 36.401 [2].

X2 GW: Defined in TS 36.300 [8].