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Evolved Universal Terrestrial Radio Access (E-UTRA);
Radio Link Control (RLC) protocol specification
(3GPP TS 36.322 version 13.1.0 Release 13)**



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Foreword

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1 Scope

The present document specifies the E-UTRA Radio Link Control (RLC) protocol for the UE – E-UTRAN radio interface.

The specification describes:

- E-UTRA RLC sublayer architecture;
- E-UTRA RLC entities;
- services expected from lower layers by E-UTRA RLC;
- services provided to upper layers by E-UTRA RLC;
- E-UTRA RLC functions;
- elements for peer-to-peer E-UTRA RLC communication including protocol data units, formats and parameters;
- handling of unknown, unforeseen and erroneous protocol data at E-UTRA RLC.

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 36.300: "E-UTRA and E-UTRAN Overall Description; Stage 2".
- [3] 3GPP TS 36.321: "E-UTRA MAC protocol specification".
- [4] 3GPP TS 36.323: "E-UTRA PDCP specification".
- [5] 3GPP TS 36.331: "E-UTRA RRC Protocol specification".

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].

byte segment: A byte of the Data field of an AMD PDU. Specifically, byte segment number 0 corresponds to the first byte of the Data field of an AMD PDU.

Data field element: An RLC SDU or an RLC SDU segment that is mapped to the Data field.

RLC SDU segment: A segment of an RLC SDU.