

ETSI TS 138 462 V15.8.0 (2024-04)



**5G;
NG-RAN;
E1 signalling transport
(3GPP TS 38.462 version 15.8.0 Release 15)**

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1 Scope

The present document specifies the standards for Signalling Transport to be used across the E1 interface. The E1 interface provides means for the interconnection of gNB-CU-CP and gNB-CU-UP within the NG-RAN architecture (TS 38.401 [2]).

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.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 38.401: "NG-RAN; Architecture description".
- [3] IETF RFC 8200 (2017-07): "Internet Protocol, Version 6 (IPv6) Specification".
- [4] IETF RFC 791 (1981-09): "Internet Protocol".
- [5] IETF RFC 2474 (1998-12): "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".
- [6] IETF RFC 4960 (2007-09): "Stream Control Transmission Protocol".
- [7] 3GPP TS 38.460: "NG-RAN; E1 general aspects and principles".
- [8] 3GPP TS 38.461: "NG-RAN; E1 layer 1".
- [9] 3GPP TS 38.463: "NG-RAN; E1 Application Protocol (E1AP)".
- [10] 3GPP TS 38.300: "NR; NR and NG-RAN Overall Description; Stage-2".
- [11] IETF RFC 6083 (2011-01): "Datagram Transport Layer Security (DTLS) for Stream Control Transmission Protocol (SCTP)".
- [12] IETF RFC 6335 (2011-08): "Internet Assigned Numbers Authority (IANA) Procedures for the Management of the Service Name and Transport Protocol Port Number Registry".
- [13] [IANA: "Stream Control Transmission Protocol \(SCTP\) Parameters",
<https://www.iana.org/assignments/sctp-parameters/sctp-parameters.xhtml#sctp-parameters-25>](https://www.iana.org/assignments/sctp-parameters/sctp-parameters.xhtml#sctp-parameters-25).

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in 3GPP 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 3GPP TR 21.905 [1].

E1: interface between a gNB-CU-CP and a gNB-CU-UP, providing an interconnection point between the gNB-CU-CP and the gNB-CU-UP.