3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NG-RAN;

3GPP TS 38.460 V17.0.0 (2022-04)

E1 general aspects and principles
Technical Specification
(Release 17)

3GPP

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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x   the first digit:

   1   presented to TSG for information;

   2   presented to TSG for approval;

   3   or greater indicates TSG approved document under change control.

y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z   the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

See TS 37.480 [8].

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] – [7] Void

[8] 3GPP TS 37.480: "E1 general aspects and principles".

3 to 8 Void

9 E1 general aspects and principles

See TS 37.480 [8].

Annex A (informative): Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2018-02	R3#99	R3-181037	-	-	-	Skeleton	0.0.0
2018-02	R3#99	R3-181419	-	-	-	Editorial changes	0.1.0
2018-03	R3#99	R3-181596				Agreed text proposal R3-181425 on TEID allocation added to section 5.2; Agreed text proposal R3-181427 on Bearer Context management function and procedure added to section 5.1.2 and 6.2.	0.2.0
2018-04	R3#99bis	R3-181844	-	-	-	gNB-CU-CP / gNB-CU-UP is agreed as a formal name	0.3.0
2018-04	R3#99bis	R3-182498	-	-	-	E1 interface management function further detailed; gNB-CU-UP E1 Setup, gNB-CU-CP E1 Setup, gNB-CU-UP Configuration Update, gNB-CU-CP Configuration Update, E1 Release (FFS) introduced.	0.3.0
2018-04	R3#99bis	R3-182465	-	-	-	Bearer Context Inactivity Notification Procedure introduced.	0.3.0
2018-05	R3#100	R3-183579				E1 bearer context management function further updated by adding user inactivity notification, DL data arrival detection, data volume reporting and packet duplication.	0.4.0
2018-06	RAN#80	RP-180746				For approval	1.0.0
2018-06	RAN#80		-	-	-	Specification approved at TSG-RAN and placed under change control	15.0.0
2018-09	RAN#81	RP-181925	0001	4	F	NR Corrections (38.460 Baseline CR covering RAN3-101 agreements)	15.1.0
2018-12	RAN#82	RP-182451	0005	1	F	CR to 38.460 on capacity information transfer via E1 interface	15.2.0
2018-12	RAN#82	RP-182451	0006	1	F	CR to 38.460 on overload information indication over E1	15.2.0
2018-12	RAN#82	RP-182451	0012	1	F	CR to 38.460 on PDCP suspend indication over E1 interface	15.2.0
2018-12	RAN#82	RP-182451	0014	2	F	CR to 38.460 on notification for default DRB over E1	15.2.0
2018-12	RAN#82	RP-182447	0015	1	F	Introduction of Data Volume Reporting for MR-DC	15.2.0
2019-03	RAN#83	RP-190560	0017	1	F	CR to 38.460 on inactivity notification over E1	15.3.0
2019-07	RAN#84	RP-191399	0020	1	F	CR to 38.460 on clarifications for E1 bearer context management function and TEIDs allocation	15.4.0
2019-12	RAN#86	RP-192913	0021	2	F	Trace function Support over E1 Interface	16.0.0
2020-07	RAN#88-e	RP-201080	0029	5	B	CR to TS 38.460 on support of NPN	16.1.0
2020-07	RAN#88-e	RP-201082	0031	3	B	BLCR to 38.460: Addition of SON feature	16.1.0
2020-07	RAN#88-e	RP-201079	0034	2	B	Support of Ethernet Type	16.1.0
2020-07	RAN#88-e	RP-201075	0035	1	B	TS38.460 Stage2 Introduction of Mobility Enhancement Features	16.1.0
2020-07	RAN#88-e	RP-201074	0036	1	B	Support for Alternative QoS profiles over E1	16.1.0
2020-07	RAN#88-e	RP-201082	0038	1	B	BLCR to 38.460: Addition of MDT feature	16.1.0
2020-07	RAN#88-e	RP-201079	0039	1	B	PDCP duplication with more than 2 entities for E1 stage 2	16.1.0
2020-12	RAN#90-e	RP-202312	0043	1	F	Introduction of D1 measurement transfer on E1AP	16.2.0
2020-12	RAN#90-e	RP-202312	0044		F	Support of direct data forwarding for inter-system HO	16.2.0
2021-03	RAN#91-e	RP-210231	0045	2	F	CR to 38.460: Supporting IAB function and procedure	16.3.0
2021-12	RAN#94-e	RP-212870	0049	2	F	CR for 38.460 on E1AP handling for unmapped DL QoS flows	16.4.0
2022-03	RAN#95-e	RP-220217	0054	3	F	E1 TS 38.460 specification transfer to TS 37.480	17.0.0