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**Universal Mobile Telecommunications System (UMTS);
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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
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1 Scope

The present document specifies the *Remote Electrical Tilting Application Part (RETAP)* between the implementation specific O&M transport function and the RET Antenna Control unit function of the Node B/eNB. The document also specifies the *Tower Mounted Amplifier Application Part (TMAAP)* between the implementation specific O&M transport function and the TMA control function of the Node B/eNB. It defines the Iuant interface and its associated signaling procedures.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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[1] Void

[2] Void

[3] 3GPP TS 25.462: "UTRAN Iuant Interface: Signalling Transport".

[4] 3GPP TS 25.461: "UTRAN Iuant Interface: Layer 1".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply.

Active alarm: An alarm which has an alarm state that has been raised, but not cleared

Alarm: Persistent indication of a fault

Alarm code: A code that identifies a specific alarm. The alarm code set is a subset of the return code set. The alarm codes are listed in annex A of this TS

Alarm state: A condition or state in the existence of an alarm. Alarm states are raised and cleared

ASCII character: A character forming part of the International Reference Version of the 7-bit character set defined in ISO/IEC 646:1991

Calibrate: Exercise the antenna drive unit over its entire range of travel to ensure fault-free operation and synchronise the measured and actual beam tilt of the antenna

Configuration data: A stored table or function defining the relationship between the physical position of the drive and electrical beam tilt

Data type: A definition determining the value range and interpretation of a series of octets. The following specified data types are used in this TS: