

**TSG-RAN Meeting #6
Nice, France, 13 – 15 December 1999**

TSGRP#6(99)742

Title: Agreed CRs of category "D" (Editorial) to TS 25.411

Source: TSG-RAN WG3

Agenda item: 5.4.3

Doc #	Status-	Spec	CR	Rev	Subject	Cat	Versio	Versio
R3-99k39	agreed	25.411	001	1	Precise wording in section 7.2 with	D	3.0.0	3.1.0

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.411 CR 001r1

Current Version: **3.0.0**

3G specification number ↑

↑ CR number as allocated by 3G support team

For submission to **TSG-RAN#6**
list TSG meeting no. here ↑

for approval
 for information

(only one box should be marked with an X)

Form: 3G CR cover sheet, version 1.0 The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf

Proposed change affects:
(at least one should be marked with an X)

USIM

ME

UTRAN

Core Network

Source: **TSG-RAN WG3**

Date: **Nov. 30, 1999**

Subject: **Precise wording in section 7.2 with respect to IMA. (Agenda item 25, L1 specs.)**

3G Work item:

Category:

(only one category shall be marked with an X)

- F Correction
- A Corresponds to a correction in a 2G specification
- B Addition of feature
- C Functional modification of feature
- D Editorial modification

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Reason for change:

Wording should be clear.

Clauses affected:

Section 4.2. Changes are shown by revision marks.

Other specs affected:

- Other 3G core specifications → List of CRs:
- Other 2G core specifications → List of CRs:
- MS test specifications → List of CRs:
- BSS test specifications → List of CRs:
- O&M specifications → List of CRs:

Other comments:

4.2 Layer 1 Description

Layer 1 reference configuration shall be according to ITU-T Recommendation I.432.1 [6].

The physical layer is divided into:

- Physical Media Dependent (PMD) sublayer
- Transmission Convergence (TC) sublayer defined according to ITU-T Recommendation I.432.1 [6].

The PMD shall comply with at least one of the following standards:

- ETSI STM-4 (622 Mb/s) interface according to I.432.2 [1] with optical S-1.1 interface according to G.957 [5].
- SONET STS-12c (622 Mb/s) interface according to ANSI, T1.105-1995 with optical multimode.
- SONET STS-3c (155 Mb/s) interface according to ANSI, T1.105-1995 with optical multimode.
- ETSI STM-1 (155 Mb/s) interface according to I.432.2 [1] with electrical interface (CMD) to G.703 [3].
- ETSI STM-1 (155 Mb/s) interface according to I.432.2 [1] with optical S-1.1 interface according to G.957 [5].
- ITU STS-1 (51 Mb/s) interface according to ANSI, T1.105-1995 with electrical interface.
- ITU STM-0 (51 Mb/s) interface according to ETSI/TTC with electrical interface.
- ITU STM-0 (51 Mb/s) interface according to ETSI/TTC with optical S-1.1 interface according G.957 [5].
- J2, 6.3 Mb/s interface according to Japanese standard JT-G.703 [3] and JT-G.704 [4] (75 Ohm).

Note: J2 requires that the ATM cells be mapped into the physical layer according to HEC based mapping in G.804.

- E2, 8Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E3, 34 Mb/s interface according to ETSI/ITU G.751 [13] (75 Ohm).
- T3, 45 Mb/s interface according to ANSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E1, 2Mb/s interface balanced 120 Ohm symmetrical according to ETS 300 420, ITU-T G.704 [4] and TBR 013 (G.703) [3], and AF-PHY-0064.000 [11]
- E1, 2Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm), and AF-PHY-0064.000 [11].
- J1, 1.5 Mb/s interface according to Jt-431-a (100 Ohm).
- J1, 1.5 Mb/s interface according to JT-G.703 [3] and JT-G.704 [4] (110 Ohm).
- T1, 1.5 Mb/s interface according to AF-PHY-0016.000 [10] and ANSI/ITU G.703 [3] and G.704 [4] (100 Ohm).

Services provided to the upper layer shall be independent from the used underlying technology.

The support of intervening transport networks – like PDH or SDH terrestrial links, Point-to-point or Point-to-Multipoint radio links – shall not be prevented.

Fractional use of the physical medium to terminate a multiple of n time slots shall not be prevented, in order to allow coexistence of this interface with other interfaces on the same physical medium.

When using E1, T1, or J1, it shall be possible to use inverse multiplexing of ATM (IMA) [12] within suitable subsets of the physical ports on the respective Exchange Termination (ET).

~~It shall be possible to use inverse multiplexing, IMA [12], with a number of all the physical ports on the ET.~~

The clock stability required shall be according to G.823 [7]: the clock extracted from the I_u may be used as UTRAN reference clock.

Transmission quality control shall be provided according to ITU-T Recommendation G.826 [8].