**3GPP TSG-T (Terminals) Meeting #10** ***Tdoc TP-000232***
**Bangkok, Thailand, 6 - 8 December, 2000**

**3GPP TSG-T WG1 meeting #9** ***TSG T1#9(00)0265***
**Redondo Beach, USA, 16th-17th November 2000**

**Title:** **LS on TR 21.905: Vocabulary for 3GPP Specifications**

**Source:** **TSG T1**

**To:** **TSG-SA**

**Cc:** **TSG-RAN, TSG-T**

**Document for:** **Approval**

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# Introduction

TSG-T1 has gone through the definitions of vocabulary, which are used in T1 test specifications, and checked them with 3G Vocabulary document [1] TR 21.905. This document proposes modifications of 3G Vocabulary document [1] TR 21.905 according to the terms used in [5] TS 34.121 those are regarded as 3GPP global ones.

T1 would ask TSG-SA to take an appropriate action for modification.

# Proposal

The following abbreviations should be added or modified.

| | |
|---|---|
| AFC | Automatic Frequency Control |
| BER | Bit Error Ratio ~~Rate~~ |
| BLER | Block Error Ratio ~~Rate~~ |
| BTFD | Blind Transport Format Detection |
| FDR | False transmit format Detection Ratio |
| IM | Intermodulation |
| MER | Message Error Ratio ~~Rate~~ |
| OCNS | Orthogonal Channel Noise Simulator, a mechanism used to simulate the users or control signals on the other orthogonal channels of a downlink |
| PAR | Peak to Average Ratio |
| P-CCPCH | Primary Common Control Physical Channel |
| P-CPICH | Primary Common Pilot Channel |
| PCDE | Peak Code Domain Error |
| RBW | Resolution Bandwidth |
| S-CCPCH | Secondary Common Control Physical Channel |
| S-CPICH | Secondary Common Pilot Channel |

SS System Simulator

The following equations should be added or modified.

| | |
|---|---|
| $\frac{CPICH\_E_c}{I_{or}}$ | The ratio of the received energy per PN chip of the CPICH to the total transmit power spectral density at the Node B (SS) antenna connector. |
| $\frac{DPCH\_E_c}{I_{or}}$ | The ratio of the received energy per PN chip of the DPCH to the total transmit power spectral density at the Node B ~~BS~~ (SS) antenna connector. |
| $\frac{DPCCH\_E_c}{I_{or}}$ | The ratio of the transmit energy per PN chip of the DPCCH to the total transmit power spectral density at the Node B antenna connector. |
| $\frac{DPDCH\_E_c}{I_{or}}$ | The ratio of the transmit energy per PN chip of the DPDCH to the total transmit power spectral density at the Node B antenna connector. |
| $I_{oac}$ | The power spectral density of the adjacent frequency channel as measured at the UE antenna connector. |
| $I_{oc}$ | The power spectral density of a band limited white noise source (simulating interference from ~~other~~ cells, which are not defined in a test procedure) as measured at the UE antenna connector. |
| $I_{or}$ | The total transmit power spectral density of the down ~~Forward~~ link at the Node B ~~base station~~ antenna connector. |
| $\hat{I}_{or}$ | The received power spectral density of the down ~~Forward~~ link as measured at the UE antenna connector. |
| $I_{ouw}$ | Unwanted signal power level. |
| $P-CCPCH\_E_c$ | Average* energy per PN chip for P-CCPCH. |
| $P-CCPCH\ \frac{E_c}{I_o}$<br>~~$PCCPCH\ \frac{E_c}{I_o}$~~ | The ratio of the received P-CCPCH energy per chip to the total received power spectral density at the UE antenna connector. |
| $\frac{P-CCPCH\_E_c}{I_{or}}$<br>$\frac{PCCPCH\_E_c}{I_{or}}$ | The ratio of the average* transmit energy per PN chip for the P-CCPCH to the total transmit power spectral density. |
| $P-CPICH\_E_c$ | Average* energy per PN chip for P-CPICH. |
| $PICH\_E_c$ | Average* energy per PN chip for PICH. |
| $\frac{PICH\_E_c}{I_{or}}$ | The ratio of the received energy per PN chip of the PICH to the total transmit power spectral density at the Node B (SS) antenna connector. |
| $S-CCPCH\_E_c$<br>~~$SCCPCH\_E_c$~~ | Average energy per PN chip for S-CCPCH. |
| $SCH\_E_c$ | Average* energy per PN chip for SCH. |

| | |
|---|---|
| ~~*SCCPCH*~~ | ~~Secondary Common Control Physical Channel.~~ |
| $S-CPICH\_E_c$ | Average* energy per PN chip for S-CPICH. |

*Note: Averaging period for energy/power of discontinuously transmitted channels should be defined.

# References


[1] TR 21.905 V3.2.0 (2000-10): Vocabulary for 3GPP Specifications

[2] TR 25.990 V3.0.0 (1999-10): Vocabulary

[3] TS 25.101 V3.4.0 (2000-10): UE Radio Transmission and Reception (FDD)

[4] TS 25.133 V3.3.0 (2000-09): Requirements for Support of Radio Resource Management (FDD)

[5] TS 34.121 V3.2.0 (2000-09): Terminal Conformance Specification; Radio transmission and reception (FDD)