

TSG-RAN meeting #6
Nice, France, 13-15 December 1999

TSG-RAN RP99791

TSG-RAN WG4 meeting #9
Bath, U.K., 7th to 10th of December, 1999

TSGR4#9(99)959

Source: TSG RAN WG4
To: TSG RAN, TSG SA
Title: Liaison Statement on Change of Abbreviation of BER/BLER to Bit Error Ratio/Block Error Ratio

WG4 would like to ask TSG RAN and TSG SA for some guidance regarding abbreviation of terms of BER and BLER which are widely used in 3GPP specification documents. RAN WG4 would welcome the opinion of TSG RAN and TSG SA on this matter.

Background

Vocabulary document TR 25.990 [1] summarises a collection of terms and abbreviation to be used in 3GPP specification documents, where it is clearly defined that abbreviation of BER and BLER is “Bit Error Rate” and “Block Error Rate,” respectively. On the other hand, ITU-T Recommendation [2] gives corresponding abbreviation as “Bit Error Ratio.”

It was proposed and agreed at RAN WG4#9 meeting that abbreviation of BER should be changed from “Bit Error Rate” to “Bit Error Ratio,” and from “Block Error Rate” to “Block Error Ratio.” Rationale behind this decision is that actual measured value is “ratio” of the number of erroneous bits (or blocks) to the number of total bits (or blocks) received and that a term of “rate” may imply a variable which changes in relation with time. In addition, it is also beneficial to keep consistency of terms used in 3GPP with those defined by ITU-R,

Proposal

Considering of above justification, RAN WG4 would like to ask TSG RAN and TSG SA for approval of changing abbreviation of a term of BER/BLER. It should be noted that consequence is that 3GPP needs accordingly to change related tables in all of 3GPP specification documents where the abbreviation is defined once such decision is made at TSG RAN.

Reference

- [1] TR 25.990 v3.0.0, “Vocabulary”
- [2] ITU-T Recommendation, G.821