TSG-RAN Working Group 1 meeting #16 *TSGR1-00-1279*

Pusan, Korea, October 10th – 13th, 2000

Agenda Item: **Plenary**

Source: **Mitsubishi Electric (Trium-rd)**

Title: **Computation of initial value of SIR_{target} in UE**

Document for: **Discussion + draft LS**

Introduction

It was decided by RAN WG2 to suppress signalling of the initial value SIR_{target} to UE. The UE is currently only signalled a BLER target value. From this BLER target value it can compute some SIR_{target} value for the data part. However to get the SIR_{target} value for the pilot part, the UE needs to add up the power offset between pilot part and data part. Not only this offset is not known to the UE, but also it cannot measure it beforehand as the connection is not yet established.

We propose to liaise to RAN WG2 and to RAN WG3 in order to ask them their opinion.

Draft LS on Computation of initial value of SIR_{target} in UE

destination = R2 & R3

WG1 likes to inform R2 and R3 that they see a problem in the current speccification of the computation of the initial value of the SIR_{target} by the UE. As a matter of fact, based on the BLER target, the UE can deduce an SIR_{target} value for the data part, but not for the pilot part. In order to know the SIR_{target} for the pilots, you need to add up the power offset between pilots and data, which is unknown to the UE, and there lies the problem.

WG1 would like to ask WG2 and WG3 for their opinion on how to determine in the UE the value of the power offset for inital SIR_{target} value calculation:

?? Should it be signalled to the UE?

?? Should it be computed in the UE by some specified formula?

WG1 thanks WG2 and WG3 for looking at this issue.