

**Source:** TSG RAN WG2

**Title:** Liaison statement on TS 25.302, 'Services provided by the Physical Layer'

**To:** TSG RAN WG1

**Copy:** TSG RAN WG4

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RAN WG2 has updated the document TS 25.302, 'Services provided by the Physical Layer'. According to the decision taken at RAN#4, it is intended that this document should be approved via email before the next RAN plenary meeting.

RAN WG2 requests that RAN WG1 review this document at their forthcoming meeting (13-19th July) and provide appropriate feedback. In particular, RAN WG2 would like to draw the attention of RAN WG1 to the following areas.

- **Measurements.** Section 9 lists measurements from the physical layer. RAN2 saw requirements for all of the measurements listed. Nevertheless, during the RAN2 meeting, some concerns were expressed about the physical layer complexity of the SIR and ISCP measurement and RAN2 invites WG1 to specifically review these two measurements. RAN WG4 is also asked to consider this section of the document.
- **Physical Channel Description.** Section 10.3.3 lists the parameters that are needed in order to describe the physical layer configuration. RAN2 would like RAN1 to check that this list is in line with the current RAN1 specifications.
- **Transport block sizes.** Annex A gives the allowed values for the different transport format attributes. The maximum size of a transport block has been chosen to be less than the maximum turbo coding block size, which means that physical layer segmentation does not need to be applied prior for turbo coding. Furthermore, it should be noted that RAN2 considers that physical layer segmentation should not be applied prior to either turbo or convolutional coding but segmentation is more efficiently applied in RLC layer. We understand that this may imply the need for different maximum transport block sizes for turbo and convolutional coding.
- **Simultaneous physical channels combinations.** Section 8 lists the different simultaneous physical channel combinations that are required in order to support different procedures and/or services.
- **Dynamic rate matching for downlink.**

In addition to the comments about TS 25.302, RAN2 would like to inform RAN1 that it has introduced a new RRC parameter, SFN Measurement Indicator, that indicates whether the UE needs to read the SFN from the target cell, when it makes the Time Difference to Cell

measurement. Furthermore, RAN2 would like to ask the opinion of RAN1 on whether the SFN should be a physical layer field within the PCCPCH, or whether it should be an RRC parameter contained within a system information message.