

TSG-RAN Working Group 1 meeting #10  
Beijing; China  
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**To:** RAN WG2  
**Source:** RAN WG1  
**Title:** Liaison on UE processing capabilities

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WG1 has further considered the use of separate UE capabilities for convolutionally coded and turbo coded transport channels related to the capability. It is the view of RAN WG1, that the processing capabilities shall make a distinction between turbo coded and convolutionally coded data, since this will facilitate optimum use of the available decoding hardware.

During the RAN WG1#10 meeting, concerns were raised that problems exist with the currently defined processing capability "*Maximum sum of number of sustainedly processable bits of all transport blocks received in TTIs that end at the same time, normalized with the respective TTI lengths in number of radio frames*". One concern expressed was that for some cases the average processing need can be higher than what is actually signalled as the maximum processing capability. RAN WG1 has not yet concluded on a solution to the problem identified, and hence cannot exclude the possibility that some change of the existing capability definitions are needed. However, although no new proposal is yet agreed, RAN WG1 expects that the defined processing capabilities in the end will make a distinction between turbo coded and convolutionally coded data.