

Agenda Item : **AH04 + AH08**
Source : **Nortel Networks**
Title : **Proposed Status report of RAN 1 on introduction of downlink compressed mode by puncturing**
Document for : **Decision**

At RAN#7, RAN WG1 identified the subjects that were not fully specified but should still be in R99 from the WG1 perspective. One of these subjects corresponded to the introduction of the downlink compressed mode by puncturing. As an output of the discussion in RAN, RAN mandated RAN WG1 to develop a solution, such a solution having to be available in March 2000 in order to be part of R99. In the following, RAN 1 would like to indicate the status of its work on this topic.

A satisfactory technical solution was found for the case of transport channels being mapped at fixed positions. The solution is fully described in the Change request 25.212 – 042r5, submitted by RAN 1 for approval at RAN. For the flexible positions case, two different proposal have been discussed so far in RAN 1. However it appears that none of them is fully complete for one part of the problem which corresponds to the rate matching parameters calculation. The processing part though is fully identical to the fixed position case, that was solved. Given that the most dimensioning part of the introduction of the compressed mode by puncturing is the processing part rather than the rate matching parameters calculation part, and this being the same for fixed and flexible position, RAN 1 would like to ask TSG RAN to continue its work on the flexible position case in order to find a solution at its next meeting. If the identified problems in the proposals under study were to be solved, and if the corresponding solution was acceptable from implementation point of view considering late introduction, RAN WG1 would like to submit a change request to RAN on the flexible position case for R99.