

Status Report for WI to TSG

Work Item Name: Inter-frequency and inter-system measurement improvements

SOURCE: Rapporteur (Antti.Toskala, Nokia) **TSG:** RAN **WG:** 1

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Ref. to WI sheet: RAN_Work_Items.doc

Progress Report since the last TSG (for all involved WGs):

Only one improvement technique – Code Sharing during Compressed Mode – has been discussed under this WI.

RAN WG1 meeting #36

RAN1 treated the LS from RAN3#39 as well as one input document explaining the details of the proposed feature. Draft CRs for RAN1, RAN2 and RAN3 specifications were also attached to this document.

The LS from RAN3 concluded that the feature was feasible with limitations (RNC Complexity, Availability for UEs etc).

Taking into account the RAN3 LS [1], RAN1 discussed the feature and concluded that even though there are doubts on how often the potential gains of the feature could actually be achieved, the introduction of the feature to RAN1 specifications would be simple and from UE and Node B implementation perspective the added complexity on the physical layer would be small. The complexity impact of storing and selecting the code for compressed frames from multiple codes signalled by the RNC has not been assessed.

RAN1 identified three different options on how the feature could be implemented, affecting the flexibility of the feature and the way the RRC/NBAP signalling should be carried out.

Concerns were raised that what would be the impact to the RRC and NBAP signalling and with regard to those specifications, what would be the differences of the different options. It was further seen that the RNC complexity is implementation dependent and relative to if and how the feature is chosen to be used.

RAN1 sent an LS [2] to RAN2 and RAN3 2 and 3 to review the options from RRC and NBAP signalling perspective.

List of Completed elements (for complex work items):

List of open issues:

Estimates of the level of completion (when possible):

WI completion date review resulting from the discussion at the working group:

June 2004

References to WG's internal documentation and/or TRs:

[1] R1-040170, LS on Code Sharing during Compressed Mode, from RAN3 to RAN1, cc RAN2

[2] R1-040386, LS on Code Sharing during Compressed Mode, from RAN1 to RAN2/RAN3