

## 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):**

Two contributions and one response LS were submitted to RAN1 and one contribution was submitted to RAN3 for this WI.

Prior to RAN WG1 meeting #38, only one improvement technique – Code Sharing during Compressed Mode – had been discussed under this WI. In RAN WG1 meeting #38 a new proposal, origins of which dating back to year 2000, was re-introduced for this WI.

### **RAN WG1**

#### **Code Sharing during Compressed Mode:**

RAN1 #38 treated the reply LS from RAN2 [4] and an accompanying company contribution [5]. No other documents were submitted for this topic in RAN1. After a lengthy discussion along the same lines as seen already in RAN1#36, RAN1 could not conclude on a significant code saving gain.

#### **Multiframe Compressed Mode by Puncturing and Unequal Frame Segmentation**

This new proposal, subset of which was already submitted to RAN1#11 and #12 in year 2000, was introduced for this WI in RAN1#38 [6]. It was noted by RAN1 that this proposal is not backwards compatible in SHO. RAN1 decided to continue discussion and proposal in the later meeting.

#### **On the WI in General**

RAN1 agreed to raise question to RAN whether further work on compressed mode enhancements is useful in RAN1.

### **RAN WG3**

RAN3#43

One document on Code Sharing during Compressed mode support on Iur was submitted to RAN3#43 [7], but the document was not treated.

### **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:**

September 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
- [3] R3-040876, Reply LS on Code Sharing during Compressed Mode, from RAN3 to RAN1, cc RAN2
- [4] R2-041241, Reply LS on Code Sharing during Compressed Mode, from RAN2 to RAN1, cc RAN3
- [5] R1-040979, On channelisation code sharing during compressed mode, Nokia

- [6] R1-040822, Proposal for multiframe compressed mode by puncturing and unequal frame segmentation,  
Mitsubishi Electric
- [7] R3-041124, Shared CM code lur solution, Ericsson