

**TSG-RAN meeting #17**  
**Biarritz, France, 3-6 September 2002**

**RP-020668**

**Title:** Answer to RAN4 LS on the scope of the study item "Viable deployment of UTRA in additional and diverse spectrum arrangements"  
**Response to:**  
**Release:** Rel-6  
**Work Item:** Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements

**Source:** RAN  
**To:** RAN4  
**Cc:**

**Contact Person:**  
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**Attachments:** None

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RAN would like to thank RAN4 for the LS concerning the scope of the study item on viable deployment of UTRA in additional and diverse spectrum arrangements. With respect to the raised questions, whether the study item shall only investigate the UTRA FDD mode or as well the UTRA TDD mode, RAN agreed to provide the following answers:

**Question:** 1. With respect to the viable deployment of UTRA TDD in the frequency band 2500-2690 MHz, shall the study item include

- a) the use of the complete band for UTRA TDD?
- b) the use of UTRA TDD in combination with UTRA FDD in this band?
- c) both of these spectrum allocations, i.e. point a) and point b) above?

**Answer:** RAN agreed to focus the study item on UTRA FDD investigations and on UTRA TDD investigations, i.e. answer 1 a).

With regards to option 1 b) RAN acknowledges that the combination of UTRA FDD and UTRA TDD in this band will be a valid option, as already discussed in ITU-R WP8F. Since detailed information on the actual spectrum allocation for FDD and TDD is not available, a high number of possibilities would have to be investigated. Therefore RAN concludes that co-existence investigations between FDD and TDD shall not be performed in this study in order to meet the envisaged completion date. A related study item and/or work item to address scenario 1 b) may be raised at a later stage, if required. RAN asks RAN4 to modify the scope of the technical report 25.889 accordingly.

**Question:** Further, it is unclear to RAN4, if the feasibility study shall include coexistence analysis, i.e. between FDD DL and UL and between FDD and TDD, or if this work shall be performed at a later stage, e.g. if a work item is raised.

2. Are coexistence analyses within the scope of this feasibility study?

**Answer:** RAN agreed that at least coexistence analysis between FDD and TDD shall not be part of this study as illustrated in relation to question 1.

**Actions:**

**To RAN4 group.**

**ACTION:** Modify the scope of the study item technical report 25.889 in line with the provided answer.