Agenda Item: **7.5**
Source: **ITU-R Ad Hoc Contact Person**
Title: **Status Report**
Document for: **Information**

No specific activity of ITU-R Ad Hoc was requested in this period.

The tenth meeting of ITU-R WP8F took place from 26th March to 3rd April 2003. The main outcome of the meeting relevant for RAN is briefly summarised in Annex 1.

ITU-R WP8F prepared a note to 3GPP regarding the working document towards a preliminary draft new Report on mitigating techniques to address coexistence between IMT-2000 TDD and FDD radio interface technologies within the frequency range2500-2690MHz operating in adjacent bands and in the same geographical area. The current version of the working document is sent to 3GPP for information and possible contribution, noting that the new report will be finalised at the next meeting of ITU-R WP 8F (Edinburgh, 8th –16th October 2003). *RAN4 will take care of this contribution; a possible response will be developed for the next RAN Plenary.*

With reference to the MRPs involvement on the activities towards ITU-R WP8F, no specific area where the support of MRPs is explicitly required was identified during the last ITU-R WP8F meeting.

With reference to Revision 4 of Recommendation ITU-R M.1457, according to the procedure approved in RP-020836 it is necessary to take a decision at RAN level on what to submit to the next meeting of ITU-R WP8F as the Final Submission from 3GPP. ITU-R Ad Hoc will then prepare a first draft of the Final Submission to be sent to all RAN WGs and then to RAN#21 for final approval before being submitted to ITU-R WP8F via individual members (deadline: 1st October, 2003). The Final submission will include, according to the usual procedures:
   o Modifications to the Overview (sections 5.1.1 & 5.3.1 of Rec. M.1457), if needed
   o Update list and titles of Specifications (sections 5.1.2 & 5.3.2), if needed
   o Updated Global Core Specifications
   o Summary and Rational of the update
   o Self evaluation
   o Self-declaration of consistency

ITU-R Ad Hoc will also prepare by RAN#21 the template for the Letters of Conveyance to be signed by OPs and submitted to ITU by 1st October 2003.

In the original time plan attached to RP-020836 (attached below as Annex 2 for convenience) a face-to-face meeting of ITU-R Ad Hoc was foreseen before RAN#21 in order to allow a deeper involvement of MRPs representatives. Based on the outcome of the conference call that was held on March, 3rd it is felt that the correspondence activity on the ITU-R Ad Hoc reflector may suffice. However, ITU-R Ad Hoc will be pleased to organise a face-to-face meeting as originally foreseen if this is required by MRPs.

Finally, ITU-R Ad Hoc will also prepare by RAN#21 an update Roadmap to be submitted to ITU-R WP8F as usual.

Annex 1

Main outcome of ITU-R WP8F #10 relevant for RAN

o The three input contributions developed within TSG RAN where welcome and duly taken into account during the discussion.

o WP8F approved an update to the IMT-2000 radio interface technology "TDMA Single Carrier" (UWC-136 that also includes EDGE – Section 5.4 of ITU-R Recommendation M.1457, "Detailed specifications of the radio interfaces of IMT-2000"). This update provides an evolution path also for 2G (pre-IMT-2000) subscribers currently serviced by GSM systems, by including an alternative evolved GSM MAP circuit switched network component with speech to complement the existing evolved ANSI-41 circuit switched network (speech) component. Both alternatives continue to use the common EDGE packet switched component which has been updated to the GSM EDGE Release 5 functionality. By this approval an evolution path to 3G/IMT-2000 is provided for the largest number of 2G subscribers by addressing existing TDMA and GSM subscribers.

o The WP8F working document towards a Preliminary Draft New Report on "Technology Trends" was reviewed in its entirety and significant changes were made. This Report is one of a series of document describing the vision and possible evolution of IMT-2000 and Systems Beyond. The Vision PDNR ITU-R M.[IMT.VIS] provides a vision of the capabilities required in realizing IMT-2000 and System Beyond. Realization of these capabilities is predicated on current enabling technology trends. It was agreed that a Correspondence Group should be set up between the 10th and 11th WP 8F Meetings. Working Party 8F participants are encouraged to participate in this Correspondence Group activity. The output from this CG will be used as a basis to complete this report at the 11th Edinburgh meeting.

o It was decided to establish a standalone document in WP8F on Software Defined Radio (SDR) (previously only included in the Technology Trends Report) by the main contributor being SDR Forum. The working assumption is to develop a preliminary Draft Recommendation for approval in WP8F by the end of 2004 (final decision whether this document should be a Report or Recommendation to be made later depending on its content).

o An update of the WP8F long term work plan was made: the WRC was shifted from 2006 to "early 2007".

o The next WP8F meeting will be held in Edinburgh, UK, October 8-16, 2003. Of relevance to 3GPP TSG RAN the plan is at this meeting to;

    • Complete revision 4 of ITU-R Recommendation M.1457 "Detailed specifications of the radio interfaces of IMT-2000". This implies that the potential update from 3GPP on WCDMA and UTRA TDD components need to be approved at 3GPP TSG RAN#21

    • Complete the Report on Technology Trends and the impact on the future development of IMT-2000 and systems beyond. 3GPP may find it of interest to contribute to this report by approving appropriate documentation by 3GPP TSG RAN#21

    • Complete the New Report on ITU-R on "Mitigating techniques to address the coexistence between IMT-2000 TDD and FDD radio interface technologies

within the frequency range 2500-2690 MHz operating in adjacent bands and in the same geographical area".

- Complete the liaison to ITU-R TG1/8 with sharing studies between UWB devices and IMT-2000.

Annex 2

Time Plan extracted from RP-020836