

TSG RAN meeting #10  
6 – 8 December 2000  
Bangkok, Thailand

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Agenda Item: 5.5  
Source: ITU Ad Hoc drafting group<sup>1</sup>  
Title: Comments on the update procedure for revisions of  
Recommendation ITU-R M.1457  
Document for: Approval

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## Introduction

At its recent meeting in Geneva, 23-27 October 2000, ITU-R WP8F was unable to reach agreement on the planned Revision 1 of Recommendation ITU-R M.1457 in respect of the terrestrial radio interfaces.

At this meeting WP8F developed further proposals for updating Recommendation ITU-R M.1457, contained in "Update Procedure for Revisions of Recommendation M.1457 (RSPC)" and issued by the ITU as Circular Letter 8/LCCE/85. The process described in this document represents the third proposal for the RSPC update process received in the 8 months since the inaugural meeting of WP8F in March 2000.

Annex 1 contains a draft response to ITU-R WP8F regarding the general aspects of the proposals contained in Circular Letter 8/LCCE/85. A separate communication to WP8F proposes the inclusion of High Speed Downlink Packet Access (HSDPA) as a part of the IMT-2000 WCDMA (DS-CDMA) radio interface.

RP-000675 contains Circular Letter 8/LCCE/85, for information.

## Proposal

3GPP TSG RAN is invited to review and adopt the proposed Liaison Statement to ITU-R WP8F (attached at Annex 1), which contains a draft 3GPP response to ITU-R WP8F regarding its proposed "Update Procedure for Revisions of Recommendation M.1457 (RSPC)", issued by the ITU as Circular Letter 8/LCCE/85.

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<sup>1</sup> ARIB, NEC, Ericsson, Siemens, Samsung, BellSouth, Voicestream, CSELT

**ANNEX 1****DRAFT LIAISON STATEMENT TO ITU-R WP8F #4, FEBRUARY 2001**

Subject: Question ITU-R 229/8 (Recommendation ITU-R M.1457 - RSPC)

**[ITU Member]<sup>2</sup>**

**UPDATE PROCEDURE FOR REVISIONS OF RECOMMENDATION ITU-R M.1457****Introduction**

3GPP TSG RAN notes that, at its recent meeting in Geneva, 23-27 October 2000, ITU-R WP8F was unable to reach agreement on the planned Revision 1 of Recommendation ITU-R M.1457 in respect of the terrestrial radio interfaces.

3GPP TSG RAN is surprised that despite timely submission of appropriate material and supporting documentation as requested by ITU-R WP8F, CDMA DS and CDMA TDD, together with several other radio interface technologies, were delayed. This was due to one opposition, based on the fact that there was no agreed detailed criteria, even though there was no technical question or concern regarding the inclusion of this proposed radio interface update. 3GPP TSG RAN thinks that criteria and procedures are often useful means to facilitate consensus on critical issues; however, if consensus can be directly achieved, there is no need for any detailed procedures/criteria and the lack of such detailed procedures/criteria can not be used to delay unquestioned proposals.

3GPP TSG RAN has consistently worked closely with both ITU-R WP 8F and its predecessor, ITU-R Task Group 8/1, in the development of Recommendation M.1457 (IMT.RSPC), by establishment of a groundbreaking relationship and working methods which have greatly accelerated the development of IMT-2000 radio interface standards. Indeed without this extremely close and fruitful collaboration between ITU and External Organizations, many network operators now in possession of operating licences for IMT-2000 would not be in this fortunate position, as there would as yet be no IMT-2000 standards.

In the course of this close relationship, not only has 3GPP TSG RAN responded promptly and effectively to all Liaisons and other communications from ITU-R WP8F, but it has kept ITU-R WP8F well informed regarding its future work programme. This information flow from all external organisations is critical in order to facilitate the development by ITU-R WP8F of a coherent development programme for IMT-2000.

3GPP TSG RAN recognises the need for WP8F to react quickly and flexibly, and to strike a balance between being responsive to market requirements while providing an opportunity for all ITU members to comment on new proposals and provide an opportunity for harmonisation. Accordingly 3GPP TSG RAN makes the following comments on this proposed update process:

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<sup>2</sup> This contribution was developed in 3GPP TSG RAN.

- 3GPP TSG RAN notes that Recommendation ITU-R M.1457 containing detailed specifications of the radio interfaces of IMT-2000 (IMT.RSPC) will be updated in 2001.
- 3GPP TSG RAN considers that the proposal in Section 3 relating to proposed changes to Section 5.x.2 might be considered arbitrary, as Section 5.x.1 "Summary and technical parameters of the radio interface" and the global core specification (GCS) for the various radio interfaces differ in length and detail. TSG 3GPP RAN is concerned the future content and changes to sections 5.X.1 could become biased by its use for this purpose. However, 3GPP TSG RAN understands the need for WP8F to have enough information to make an informed decision and act on the proposed updates. Therefore, 3GPP TSG RAN proposes that the self declaration submitted by the technology proponents must, in addition to indicating that their proposed changes are consistent with Section 5.x.1 and the GCS, also include the reasons for making the changes. These reasons could include, but not be limited to, editorial changes, changes to correct technical errors, changes to add enhanced features and/or functionality, etc.
- At the end of Section 4 it is stated that "The transposition process used during the development of the first version of Recommendation ITU-R M.1457 applies". 3GPP TSG RAN fully agree with this statement and they would like to stress that the transposition process must be an integral part of the proposed revision of the WP8F update process; as such, it is apparent that the transposition process may well need to apply to sections other than Section 4. This should be more clearly highlighted in the revised WP8F process.
- The proposals in Section 5 relating to proposed new sections 5.y.1 and 5.y.2 (effectively a new radio interface) propose the use of a process similar to the one employed in the original evaluation and development of radio transmission technologies (Steps 4-9 in Circular letter 8/LCCE/47). However, time has moved on and the necessary evaluation criteria may no longer be the same. In particular harmonisation and performance as a coherent co-existing family member is now probably more important than it was in the initial evaluation. So Step 4 although outside the ITU should demand even more coordination between proponents and between evaluation groups; Step 6 is inappropriate in its present form, as the existing minimum performance requirements are too low. Therefore, new limits should be developed by WP8F; Step 7 would require more consensus building, grouping, etc, e.g. to ensure harmonious geographical co-existence, etc; Step 8 is what WP8F is seeking to do in October 2001 on the current schedule, and Step 9 is implementation, outside the ITU. Also, this time round, other less objective factors such as risk, migration, regulations, technology, timing and other market considerations (including technology stability) will be more important than before.
- 3GPP TSG RAN considers that in Section 6 as it is currently written, some may assume that the proposed 3 meeting cycle permits an automatic right of eventual inclusion in RSPC. It should be clearly indicated that it does not, and that all proposals will be treated on their merits following discussion and agreement in WP8F following normal ITU practice.
- 3GPP TSG RAN considers that the "Minimum Performance Capabilities for IMT-2000" are not good indicator for evaluation – these were set as entrance requirements to the RTT evaluation process, and all enhancements would be expected to exceed these capabilities. If they do not exceed these minimum performance capabilities, the technology proponents should demonstrate a very good case for not doing so. Similarly the "Requirements and Objectives for IMT-2000" were to set a basis for IMT-2000, while the whole reason for considering updates such as high speed packet access is to enhance the Performance and Objectives for IMT-2000. WP8F should set enhanced performance targets for IMT-2000 enhancements.
- Sections 8 and 9 require further elaboration. The issue of harmonious compatibility ("being a good member of the family") is of importance to operators and needs to be explored in more

detail. Consensus and harmonisation are also of extreme importance. In a previous response to ITU-R WP 8F's Liaison Statement on the updating of Recommendation ITU-R M.1457, 3GPP TSG RAN suggested that it would be appropriate to allow development of a common view on the multiple proposals that are likely to be developed for any one focus area; this would certainly facilitate discussion on harmonisation between those proposals. This obviously requires that information (even in a preliminary stage) from all External Organizations on the related proposals is available and receiving that information should be considered a requirement by ITU-R WP 8F before taking any decision on any specific proposal.

- Section 10 proposes a roadmap of planned further enhancements. This should be used to develop a coherent WP8F workplan for the ongoing development of IMT-2000.
- 3GPP TSG RAN considers that the concept of Focus Areas encompasses coordinated activity on a topic of general interest to WP8F; therefore, it is proposed that they are not considered restricted to development of new radio interfaces but should also apply for enhancements to existing radio interfaces.
- 3GPP TSG RAN notes that there were a number of contributions to the Geneva meeting proposing "fast packet access" as a Focus Area. WP8F at its February meeting should establish a focus area on this topic, to consider all enhancements to the IMT-2000 radio interfaces in the area of data support, (i.e., High Speed Downlink Packet Access from 3GPP TSG RAN, enhanced data only, and enhanced data and voice proposals from 3GPP2, etc.). This will facilitate the ITU primary goals of minimising the number of different radio interfaces and maximising their commonality, while incorporating the best possible performance capabilities in the various IMT-2000 radio operating environments.

3GPP TSG RAN looks forward to continuing its fruitful liaison with ITU-R WP 8F on the future development of IMT-2000 and in particular Recommendation ITU-R M.1457.

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