| Source: | ITU-T |
| --- | --- |

**Title:** **Progress on Coordination and Content of Timing between 3GPPs and ITU deliverables**

**Agenda item: 9**

**Document for:**

| Decision | |
| --- | --- |
| Discussion | |
| Information | **X** |

## 1 Introduction

This document relates to action item A-OP5/1 (To see how their requirements for updating references in IMT-2000 Recommendations could be better co-ordinated both in terms of content and timing) as listed in document 3GPP/OP#7(02)03.

The attached ITU-R Document 8F/483-E 9 October 2001 together with the initial draft timing diagrams in the second attachment indicate ongoing work in this topic. Activity is underway to further refine this material with the aim of developing a clear perspective on this that can be provided to and ratified by all concerned. It is planned to take advantage of the co-located and time-adjacent meetings of ITU-T SSG and ITU-R WP 8F in Ottawa in May-June 2002 to further progress this within the ITU leadership and involving participants who are familiar with the 3GPP and 3GPP2 timetables.

**R-TECH**

**Project Manager, IMT-2000**

## RELATIONSHIP BETWEEN ITU RECOMMENDATIONS AND 3GPP DELIVERABLES

## 1 Introduction

Recommendations containing global specifications and referenced standards for the radio interface and network aspects of IMT-2000 are been established in ITU-R and ITU-T, respectively. The working mechanism between ITU and the external organizations (EOs) calls for the submission of the detailed specifications and referenced standards by the participating EOs on a regular basis as they update their deliverables.

This document is intended to shed some light to the on-going process between ITU and 3GPP to facilitate both ITU-R Working Party 8F and ITU-T Special Study Group coordinate their schedules with the purpose to have Recommendations from both Sectors providing for a coherent set of IMT-2000 radio and network specifications at a given time.

A similar analysis may be needed vis-à-vis 3GPP2 deliverables.

## 2 ITU Deliverables

In ITU-R WP 8F, the IMT-2000 radio interfaces being developed in 3GPP (CDMA DS and TDD) are described and referenced in Recommendation ITU-R M.1457 series (Detailed Specifications of the radio interfaces of IMT-2000). A given version of Rec. ITU-R M.1457 would contain the latest version of the global core specifications made available from 3GPP to ITU and the references to SDOs' deliverables of all 3GPP Releases in force. Specifically, Rec. ITU-R M.1457-1 references relate to 3GPP Release 99 material, Rec. ITU-R M.1457-2 references will be related to Releases 5, 4 and 99, and Rec. ITU-R M.1457-3 to Releases X (probably 6), 5, 4 and 99.

The timetable for the preparation of Rec. ITU-R M.1457 series is as follows (see Doc. 8F/375, Attachment 2.7):

WP 8F (Tokyo, 10-16.10.01): Completion of $1^{st}$ revision of the terrestrial interfaces (leading to Rec. ITU-R M.1457-2);

WP 8F (Geneva, 25.9-1.10.02): Completion of $2^{nd}$ revision of the terrestrial interfaces (leading to Rec. ITU-R M.1457-3).

In ITU-T SSG, the IMT-2000 Family Member being developed in 3GPP for transposition by the member SDOs is referenced in ITU-T Recommendation Q.1741 (IMT-2000 References to GSM evolved UMTS Core Network with UTRAN Access Network). Specifically, Q.1741.1 references 3GPP Release 99, Q1741.2 references Release 4 and Q.1741.3 references Release 5.

The timetable for the preparation of Q.1741.1 and Q.1741.2 is available in Doc. COM-SSG R-6 (posted in ITU-T SSG Web site), with the following meetings being scheduled:

Q.3/SSG: 3-4.12.01 (Helsinki) to finalize Q.1741.1;

Q.3/SSG: 12-14.3.02 (Australia) to prepare Q.1741.2;

WP2: February'02 (Geneva) to apply AAP for Q.1741.1;

SSG: 22-28.5.02 (Ottawa) to prepare Q.1741.2.

The schedule for Q.1741.3 has not yet been set.

## 3      Relationship with 3GPP Deliverables

The following table shows the relationship between different 3GPP Releases and Rec. ITU-R M.1457 and ITU-T Q.1741 series Recommendations.

| | 3GPP SA#9 (R99) (2000) | 3GPP SA#11 (R4) (2001) | 3GPP SA#x (R5) (2002) | 3GPP SA#y (RX) (2003) |
|---|---|---|---|---|
| ITU-R M.1457-1 (2001) | R99 | | | |
| ITU-R M.1457-2 (2002) | - | - | R99/4/5 | |
| ITU-R M.1457-3 (2003) | - | - | - | R99/4/5/X |
| ITU-T Q.1741.1 (2001) | R99 | | | |
| ITU-T Q.1741.2 (2002) | - | R4 | | |
| ITU-T Q.1741.3 (2003) | - | - | R5 | |
| | Note: SA#y refers to the 3GPP System Architecture group meeting #y. | | | |

It is noted that based on the planned cycle of preparation of ITU Recommendations, the following ITU-R&T deliverables referencing 3GPP specifications are expected:

2001: ITU-R M.1457-1 & ITU-T Q.1741.1 (references related to Release 99)

2002: ITU-R M.1457-2 (Releases 99, 4 & 5) & ITU-T Q.1741.2 (Release 4)

2003: ITU-R M.1457-3 (Releases 99, 4, 5 & X) & ITU-T Q.1741.3 (Release 5)
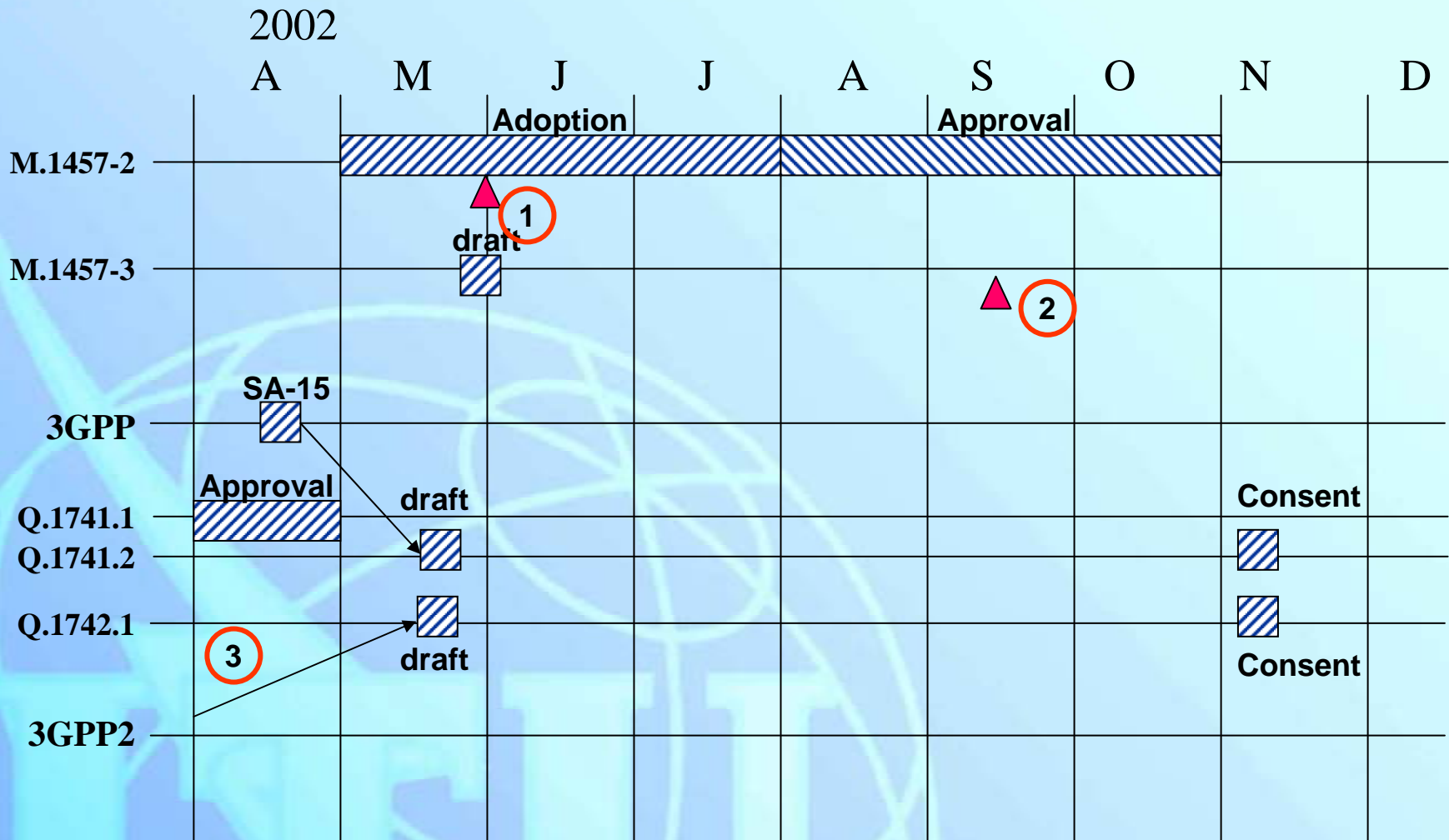
# 4    Conclusion

In their activities related to IMT-2000 standards development, both ITU and 3GPPs share concerns about how best to manage and coordinate the timelines of the work of mutual interest. Within ITU, WP 8F and the SSG are cooperating closely to improve their coordination with respect to the timing of requests for inputs and plans for completion and approval of recommendations in both Sectors.

Discussions on schedules and timing of deliverable availability clearly indicate a shared responsibility of both ITU and the 3GPPs where the end purpose of the work is taken as agreed *a priori*: make life easy for the end "user." All the involved standards bodies and forums have a role to play towards ensuring a coherent, complete and timely set of specification references. All involved should therefore look towards providing a coordinated and coherent suite of specification references to meet the needs and interests of all parties concerned.

ITU-R WP 8F and ITU-T SSG are invited to consider the information contained in this document and make use of it towards enhancing the process of planning the work of developing a coherent set of ITU Recommendations for IMT-2000 in close cooperation with the 3GPPs.

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# ITU and 3GPPs - near term



Notes:
1) 31.5.02: SDO's submit reference information on transposition
2) 18.9.02: EO's submit overview, titles & tables, GCS's, letters of conveyance, self declaration of consistency
3) ARIB, TIA and TTC transpositions received March 2002

# ITU and 3GPPs - longer term