

# Contribution to 802.18 IMT-Advanced Meeting

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For information regarding presentation to IEEE 802.18 TAG's IMT-Advanced meeting of 18 March 2008

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# Contribution to 802.18 IMT-Advanced Meeting

18 March 2008

- Bruce Kraemer
- Roger Marks

# Agenda Topic

## *2. Way forward for a joint IEEE 802 input on technologies*

*a. Can cover both radio and network aspects - radio in ITU-R and network in ITU-T*

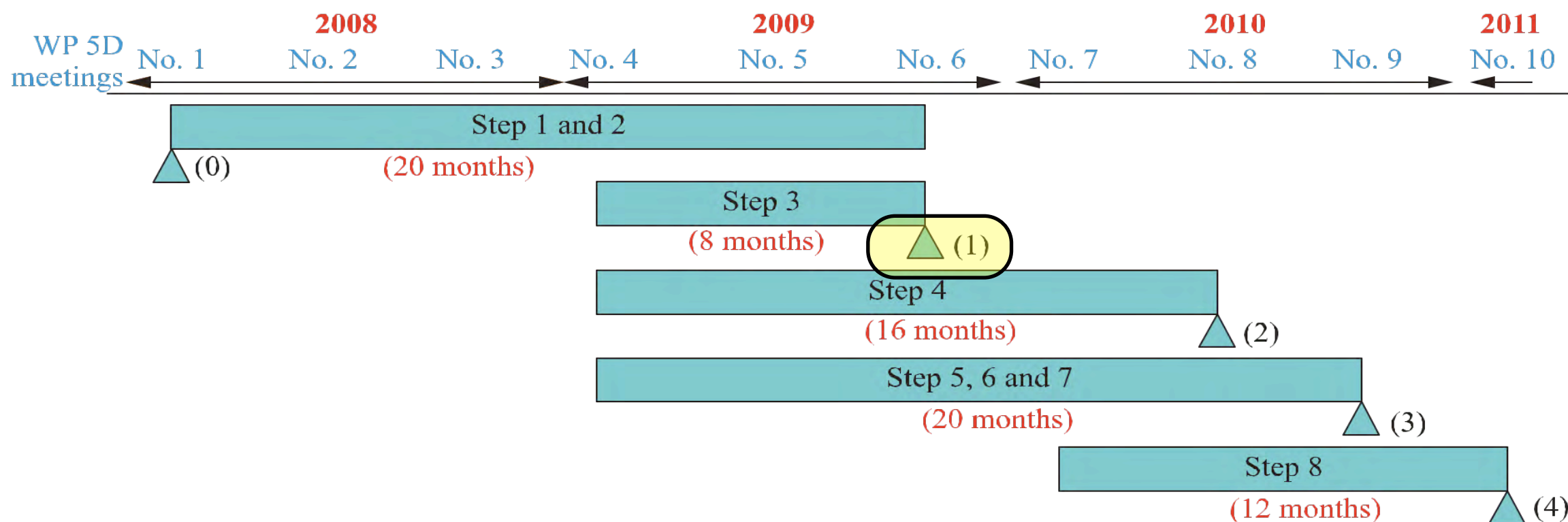
*b. Which WGs will participate?*

*c. Work method - suggest same as used for previous inputs*

*d. Timeline? Completed by November 2008 meeting to allow for submission first WP5D meeting in 2009?*

*Or later and submitted prior to third meeting of 2009? Is a later or earlier submission best?*

# IMT-Advanced Schedule



## Steps in radio interface development process:

Step 1: Issuance of the circular letter

Step 2: Development of candidate RITs and SRITs

Step 3: Reception of the RIT and SRIT submissions and acknowledgement of receipt

Step 4: Evaluation of candidate RITs and SRITs by evaluation groups

Step 5: Review and coordination of outside evaluation activities

Step 6: Review to assess compliance with minimum requirements

Step 7: Consideration of evaluation results, consensus building and decision

Step 8: Development of radio interface Recommendation(s)

## Critical milestones in radio interface development process:

(0): issue an invitation to propose RITs March 2008

(1): ITU proposed cut off for submission of candidate RIT proposals October 2009

(2): Cut off for evaluation report to ITU

(3): WP 5D decides framework and key characteristics of IMT-Advanced RITs and SRITs

(4): WP 5D completes development of radio interface specification Recommendations

June 2010

October 2010

February 2011

# Step 3 Deadline

**From IMT-ADV/2:**

## ***1 Time schedule***

*The time schedule described below applies to the first invitation for candidate RITs or SRITs. Subsequent time schedules will be decided according to the submissions of proposals.*

*Submission of proposals may begin at any time subsequent to the release of this Circular Letter. **The final deadline for submissions is 16:00 hours UTC, 7 calendar days prior to the start of the 6th meeting of Working Party 5D (WP 5D) in the latter part of 2009.** The evaluation of the proposed radio interface technologies by the evaluation groups and the consensus-building process will be performed throughout this time period and thereafter. The detailed schedule can be found in Figure A2-1.*

# Step 2 – Detail

- *Step 2 – Development of candidate RITs or SRITs*

*In this step, which is typically external to ITU-R, candidate terrestrial component RITs or SRITs are developed to satisfy a version of the minimum technical requirements and evaluation criteria of IMT-Advanced currently in force (as defined in Resolution ITU-R 57, resolves 6 g)) as described in the Annexes which will be contained in an Addendum to this Circular Letter.*

*An RIT needs to fulfil the minimum requirements for at least one test environment.*

*Furthermore, an SRIT is defined as a number of RITs each individually fulfilling the minimum requirements for at least one test environment and complementing each other.*

*This can be summarized as:*

- *An RIT meets the minimum requirements of at least one test environment*
- *An RIT may meet the minimum requirements of all required test environments*
- *An SRIT meets the minimum requirements of more than one test environment*
- *An SRIT may meet the minimum requirements of all required test environments*

# Step 3 – Detail

## **Step 3 – Reception of the RIT and SRIT submissions and acknowledgement of receipt**

The proponents of RITs or SRITs may be Member States, Sector Members, and Associates of ITUR Study Group 5, or other organizations in accordance with Resolution ITU-R 9-3.

**The submission of each candidate RIT or SRIT must include completed templates ([these templates will be provided in an Addendum to this Circular Letter](#)), together with any additional inputs which the proponent may consider relevant to the evaluation.** Each proposal must indicate the version of the minimum technical requirements and evaluation criteria of the IMT-Advanced currently in force that it is intended for and make reference to the associated requirements.

**The entity that proposes a candidate RIT or SRIT to the ITU-R (the proponent) shall accompany it with either an initial self-evaluation or the proponents' endorsement of an initial evaluation submitted by another entity.** The submission to will not be considered complete without an accompanying initial self-evaluation or the proponents' endorsement of an initial evaluation submitted by another entity.

# Agenda Topic

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# “Joint IEEE 802 Input”?

What is a “Way forward for a joint IEEE 802 input on technologies”?

Q: What is a “joint IEEE 802 input”?

A: An SRIT. (“a number of RITs each individually fulfilling the minimum requirements for at least one test environment and complementing each other”)

Q: Who is qualified to develop documentation showing that RITs are “complementing each other”?

A: The Working Groups that maintain the radio interfaces

# Proposed 802.18 Process

802.18 creates a development timeline with the following milestones:

- 802.18 issues “call for contributions” to Working Groups for RITs and SRITs
- Working Groups or Working Group combinations submit proposed RITs or SRITs to 802.18
  - complete, including self-evaluations
- 802.18 reviews proposals for completeness and accuracy, etc.
  - comments forwarded to WGs for consideration
- 802.18 makes recommendations to EC regarding forwarding of proposals to ITU-R WP 5D