

Contribution to 802.18 IMT-Advanced Meeting

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IEEE 802.16 Session #54

Base Contribution:

Purpose:

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

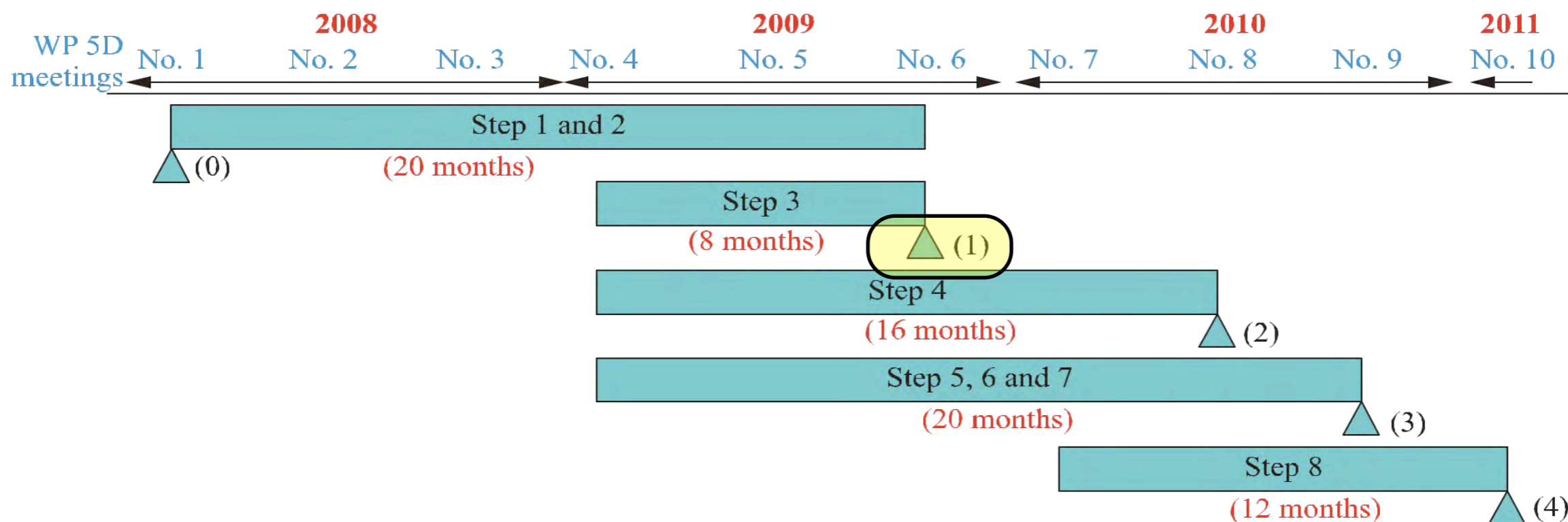
b. Which WGs will participate?

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.

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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