

November 2008**IEEE 802.18-08-0058/r6**

IEEE 802.18 IMT-Advanced Review Process

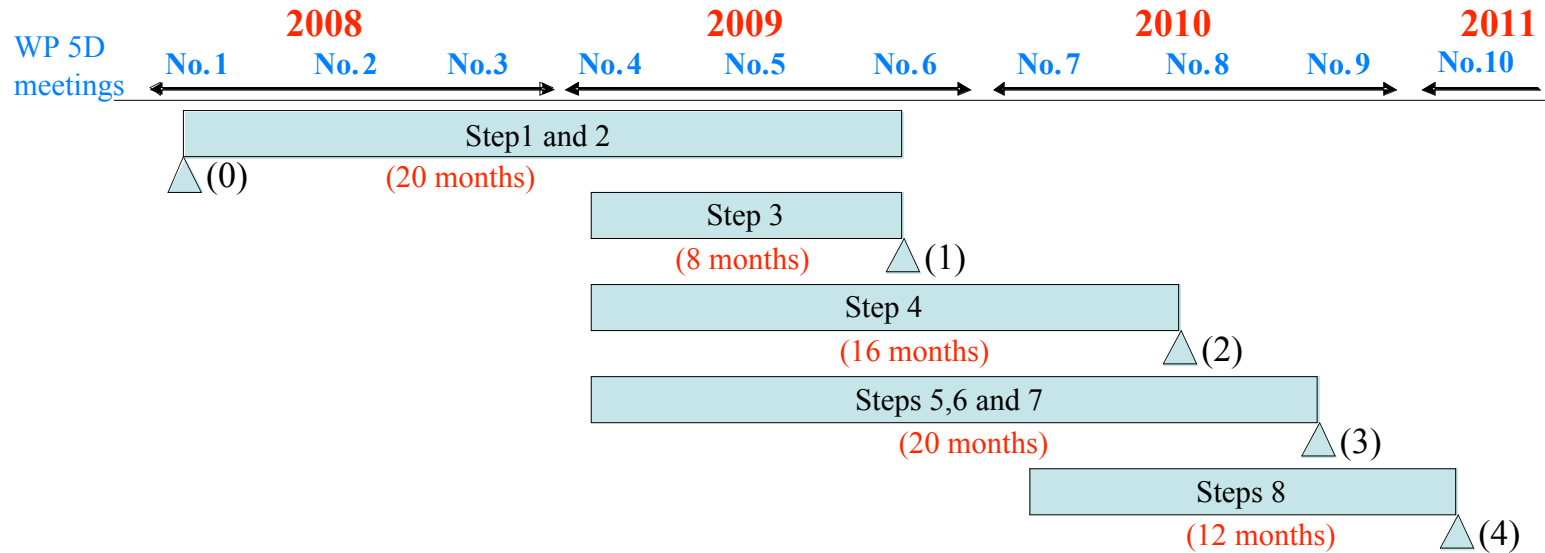
Date: 2008-11-11**Authors:**

Name	Company	Address	Phone	email
John Notor	Cadence Design Systems, Inc.	San Jose, CA	408.473.8373	jnotor@cadence.com
Frank Whetten	Boeing	Seattle, WA	206.852.8914	frank.l.whetten@boeing.com

Background

- The IMT-Advanced process in ITU-R has advanced to the point where:
 - The technical requirements (IMT.TECH) are completed and approved.
 - The evaluation criteria and methodology document (IMT.EVAL) is completed and approved.
 - The Circular Letter, 5/LCCE/2, has been released, along with one addendum, inviting submission of technology proposals and participation in the evaluation process.
 - Final adoption of IMT-Advanced reports was achieved at the November 2008 ITU-R SG 5 meeting.
- Interested IEEE 802 WG's now need to consider how to respond to IMT-Advanced.
 - Submit a Radio Interface Technology proposal (RIT) as a single WG.
 - Submit a proposal for a Set of Radio Interface Technologies (SRIT) jointly with one or more other WG's.
- The EC Chair has tasked 802.18 to review and recommend approval of technology proposals to the EC for submission to the ITU-R IMT-Advanced process.

IMT-Advanced Schedule



Steps in radio interface development process:

- | | |
|---|--|
| Step 1: Issuance of the circular letter | Step 5: Review and coordination of outside evaluation activities |
| Step 2: Development of candidate RITs and SRITs | Step 6: Review to assess compliance with minimum requirements |
| Step 3: Submission/Reception of the RIT and SRIT proposals and acknowledgement of receipt | Step 7: Consideration of evaluation results, consensus building and decision |
| Step 4: Evaluation of candidate RITs and SRITs by evaluation groups | Step 8: Development of radio interface Recommendation(s) |

Critical milestones in radio interface development process:

- | | | | |
|--|--------------|---|---------------|
| (0): Issue an invitation to propose RITs | March 2008 | (2): Cut off for evaluation report to ITU | June 2010 |
| (1): ITU proposed cut off for submission of candidate RIT and SRIT proposals | October 2009 | (3): WP 5D decides framework and key characteristics of IMT-Advanced RITs and SRITs | October 2010 |
| | | (4): WP 5D completes development of radio interface specification Recommendations | February 2011 |

IEEE 802 Approval Process for IMT-Advanced Final Technology Proposals

- A single Working Group (WG), or a joint WG collaboration, creates and approves a draft RIT proposal, or a draft SRIT proposal, conforming to IMT-Advanced submission requirements.
- The proposal is then sent to 802.18, which reviews the proposal for completeness (see slide 5) per IMT-Advanced submission requirements.
- After review, 802.18 will determine by vote, requiring 75% approval of the voters present (excluding abstentions), whether the proposal is considered complete per IMT-Advanced submission requirements, and either submit the approved proposal, or return the proposal to the WG for update with incomplete items identified.
- After approval, the IEEE SA ITU-R liaison will submit the proposal to the ITU-R with appropriate cover letter.
- Proposals returned to IEEE by the ITU-R as “incomplete” will be sent back to the WG(s) by the IEEE SA ITU-R liaison for correction, and the corrected proposal will be re-submitted to ITU-R per the process outlined above.

ITU-R Definition of Completeness for IMT-Advanced Technology Proposals

- A “complete proposal”, as specified in the current version of IMT.REST, “Requirements, evaluation criteria and submission templates for the development of IMT-Advanced”, is summarized as follows:
 1. Completed templates and other requested information.
 2. Either a self-evaluation, or the endorsement of an initial evaluation submitted by another entity, per IMT-Advanced requirements for self-evaluation.
 3. Where necessary, a statement of compliance with the ITU policy on intellectual property rights (see Annex 1 of Resolution ITU-R 1-5), as specified in the Common Patent Policy for ITU-T/ITU-R/ISO/IEC available at http://www.itu.int/ITU_T/dbase/patent/patent-policy.html.
- The definition of “complete” is subject to change by ITU-R.
- The most current versions of the requirements, evaluation criteria, and submission templates for the development of IMT_Advanced are on the IMT-Advanced web page (<http://www.itu.int/ITU-R/go/rsg5-imt-advanced/>).

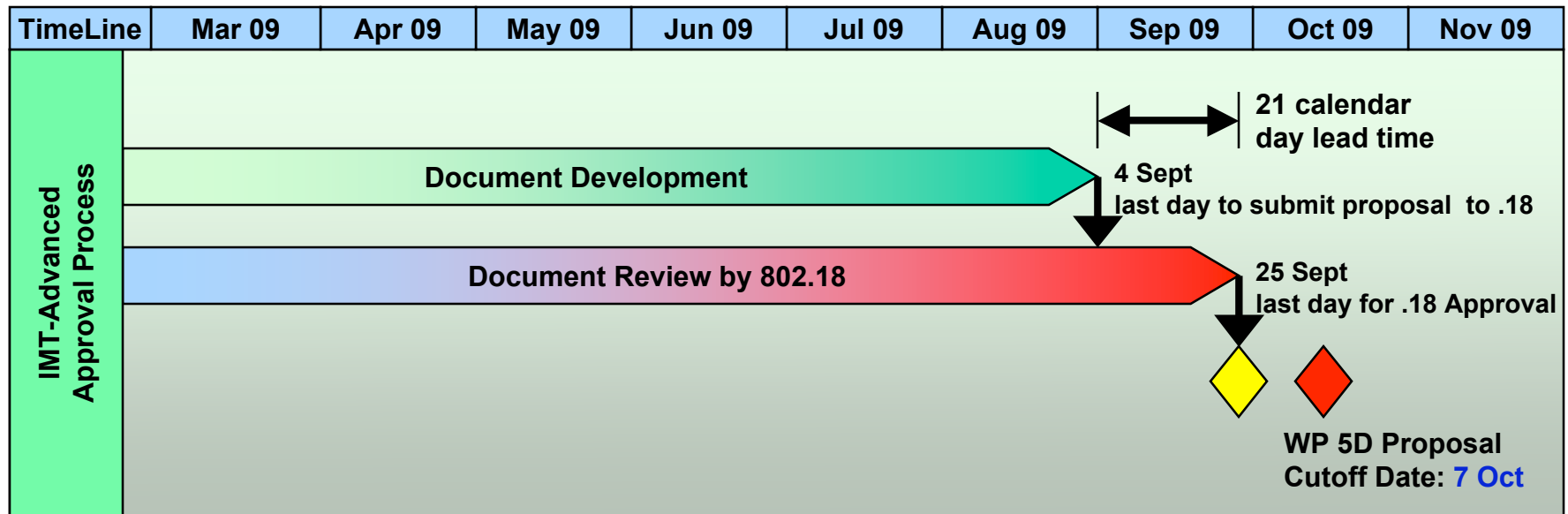
Critical Milestones

802.18 does not wish to impair the ability of WGs to submit fully formed and reviewed technical proposals to the ITU-R IMT-Advanced process in a timely fashion.

Therefore, 802.18 recommends that the EC delegate the IMT-Advanced approval process to 802.18, making approval by 802.18 sufficient for submission to ITU-R WP 5D. If necessary, the EC could take additional action to approve proposals that could not be completed in the 802.18 process specified here.

- Last date for WG's to submit technology proposals (WG approved drafts) to 802.18 for review: September 4, 2009.
- September 21-25: Review proposals during 802.18 session. Proposals could be revised, with the consent of the submitting WG or its delegation.
- Last date for 802.18 approval of proposals for submission to the ITU-R: September 25, 2009.
- Last date WP5D will accept technology proposals: October 7, 2009.

Critical Milestones



Statement of Intent from Participating WGs

In order to prepare for the work load of IMT-Advanced proposal reviews, 802.18 requires advance information regarding the intentions and work plans of participating WGs.

In particular, 802.18 requires that participating WGs provide notification of their intent by January 20, 2009. The notification must include:

- Statement of intention to submit IMT-Advanced proposal for 802.18 review
- Intended proposal scope (for example: RIT and/or SRIT; test environments to be supported; standards or draft standards to be used as a foundation)
- Work plan for completion of required proposal elements

Contributions to February and June 2009 WP 5D Meetings

WGs may want to provide information to WP 5D at its meetings of February and June. 802.18 will support such contributions, provided that they are clearly identified as not complete proposals per Step 3 of the IMT-Advanced process.

Timelines for submission of informative contributions:

- Jan 20: Deadline for WG draft contributions to February WP 5D meeting
 - Information on intent, background, work plan, etc.
- Jan 22: 802.18 approval of contributions to February WP 5D meeting
- Feb 3: ITU-R deadline for contributions to Feb WP 5D meeting

- May 12: Deadline for WG draft contributions to June WP 5D meeting
 - Work plan update, additional information on features, etc.
- May 14: 802.18 approval of contributions to June WP 5D meeting
- June 3: ITU-R deadline for contributions to June WP 5D meeting