

Operator Perspective on TGm Timelines and Priorities

IEEE 802.16 Presentation Submission Template (Rev. 9)

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Venue:

TGm Work Plan Ad-hoc

Base Contribution:

Purpose:

To gain high level consensus on the priorities and timelines for 16m development

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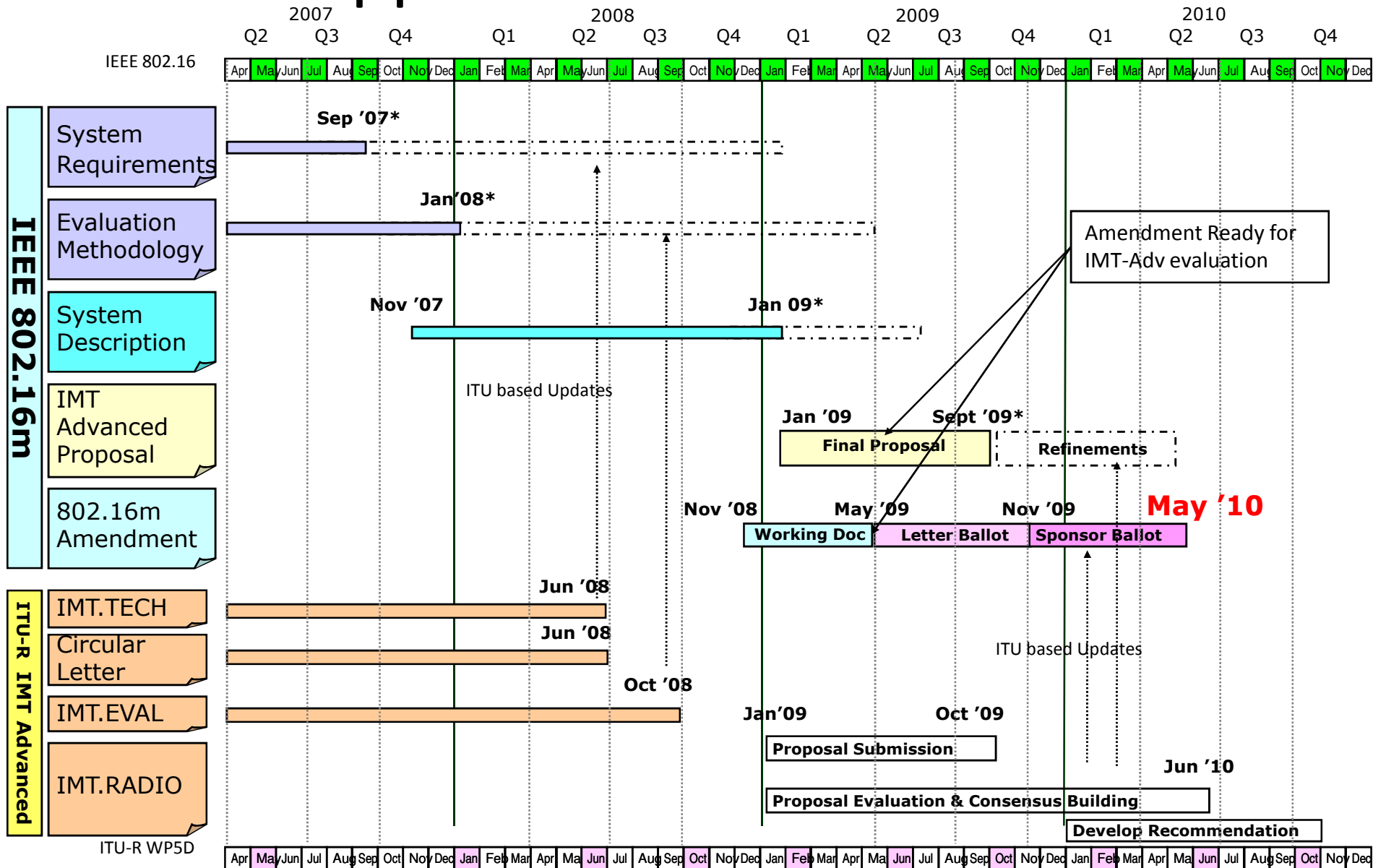
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Operator Perspective on TGm Timelines and Priorities



- During the March meeting TGm adopted parts of contribution IEEE C802.16m-09/0747r3 as the TGm Workplan.
 - May 2010 publication date remains the goal
 - September 2009 is the ITU submission deadline
- This proposal further refines the approved process to focus more time and resources on key 16m elements.
 - Features not needed in the short term are candidates for future releases of 802.16.

Approved TGm Timelines



*System Requirements and Evaluation Methodology, System Description, IMT-Advanced Proposal Documents may be further updated based on ITU output (shown by dotted lines).
 † 802.16m amendment is dependent on the 802.16Rev2 Project completion
 From C802.16m-09/0747r3

Relevant Benchmarks

- **Scope of the project must be narrowed to meet the May 2010 timeline!**
 - For a major 802.16 Standard the benchmark time from the start of Letter Ballot to a completed standard is 23 months.
 - The approved 16m time line only allows for 12 months or a total of 7 recirculation's.
 - It is going to take a laser like focus to meet the timeline and there are going to be features that need to be pushed into the next release.

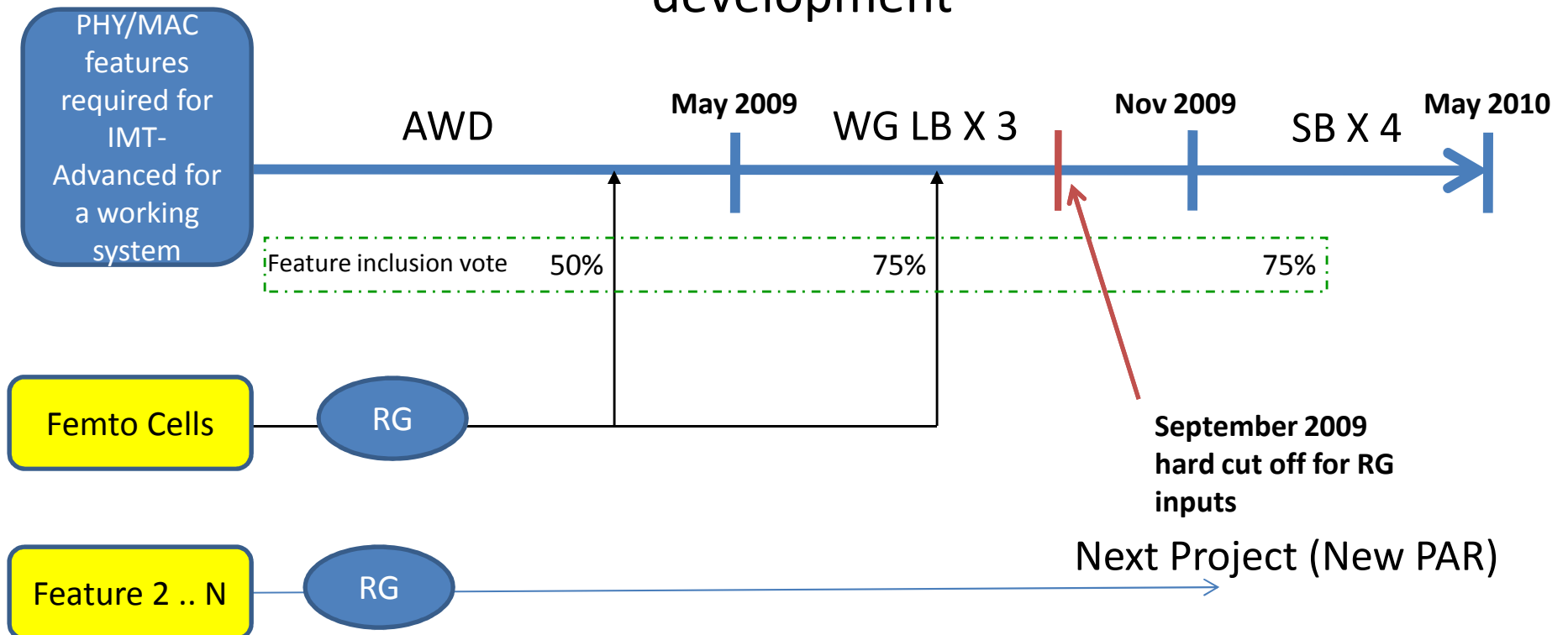
Standard	Letter Ballot Recirculation's	Sponsor Ballot Recirculation's	LB Start date SB end date	Total Time (Months)
IEEE Std 802.16e-2005	6	8	Feb 2004 Feb 2006	24 months
IEEE Draft P802.16j	6	3	Aug 2007 Feb 2009	18 months
IEEE Draft P802.16Rev2	6	4	Apr 2007 Mar 2009	23 months

Feature List

SDD Chapter	Features to be discussed in RGs	Essential for IMT-Adv	16m Priority	RG Target for completion
12	LBS	No	Use 16e mechanism	Complete enhanced feature in Next PAR
13	E-MBS	No	Use 16e mechanism	Complete enhanced feature in Next PAR
14	Relay	No	Use 16j mechanism	Complete enhanced feature in Next PAR
	Co-deployment (e.g. 802.16 & WiFi) and Co-existence (e.g. with LTE)	No	Next PAR	Next PAR
15	Femtocell	No	May'09	September 2009
16	Self organizing networks	No	Next PAR	
18	Interference Mitigation	No	Next PAR	Next PAR
20	Inter-ABS Synchronization	No	Next PAR	Next PAR

- Maintain a May 2010 publication date while producing a quality product that is competitive with other Standards
- Focus on meeting the IMT-A performance numbers and timeline.
- 16m needs sufficient flexibility to support the features identified for future release

Proposed Process for staging 802.16m Amendment feature development



- Femto is the only non IMT-Advanced feature recommended by operators
- September 2009 deadline for submission of the RG material

AWD = Amendment Working Doc

RG = Rapporteur Group

LB = Letter Ballot