Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Proposed Technical Selection Procedure for IEEE802.16 TGj**
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Re:	In response to Call For Contribution, IEEE 802.16j-06/001.
Abstract	In this document, we propose a technical selection process and schedule for IEEE 802.16 TGj Document in the schedule agreed in the TGj PAR.
Purpose	This contribution is proposed as a baseline for technical down selection and time schedule of TGj Process Document.
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Proposed Technical Selection Procedure for IEEE802.16 TGj

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1. Considerations

We had discussed multihop relay during the last four ~~study group~~ meetings as a s~~S~~tudy g~~G~~roup. ~~It was fruitful sessions to exchange ideans with the study group attendants~~members. ~~As the result,~~Thanks to these fruitful discussions we succeeded in composing a ~~we had made the~~ TGj PAR that represents the consensus of the SG member~~'~~s ~~consensus~~ and subsequently received the ~~it was approved by~~ approval of the EC at the last meeting. The~~is~~ PAR document ~~becomes~~serves as a solid ~~the~~ starting point of the~~is~~ new Task Group j.

An important issue on which we need to strive to ~~One of the important issues on which we shall~~ reach agreement is the ~~a~~technical selection procedure and the schedule. A well-defined selection procedure to be executed based upon an agreed schedule, we believe, will be quite instrumental ~~is needed~~ for the success of TGj project

2. Proposed TGj Project Schedule

~~From the start of TG, we need to setup project schedule and procedure for technical proposal selection based on approved PAR.~~ We have discussed scope, purpose, reason and schedule of TGj during the ~~for~~ last four ~~sessions as~~ ~~S~~study ~~G~~group sessions and reached the agreement on these topics. These agreements are captured ~~included~~ in the TGj PAR. The PAR ~~was approved by EC in March and the~~ prescribes the following schedule for Initial Sponsor Ballot and document submittal to RevCom: ~~dates are promised schedule in the PAR~~.

- Expected Date of Submission for Initial Sponsor Ballot : March 2007
- Projected Completion Date for Submittal to RevCom: September 2007

In this document we propose a project schedule with an aim to ~~In order to complete Task Group in~~complete the task group proceedings according the aforementioned guidelines, The schedule is listed in Table 1 and provides ~~the given schedule, we propose a project schedule as listed in table 1. with~~ two options for the selection and drafting of the TGj document.

Table 1. TGj Project Schedule

Year	Month	Session#	Option 1	Option 2 (.16e style)
2006	May	#43	Begin Requirement and Usage Scenario. Complete TGj schedule	
	July	#44	Complete Requirement, Usage Scenario and ToC	
	Aug.		Call for Proposal based on the ToC	
	Sept.	#45	Presentation and Selection	Presentation, Selection, Merging
	Oct.		Harmonization	Drafting baseline document; Call for Comments on the document
	Nov.	#46	Presentation and finalization	Continue Presentation, Selection, Merging through Comment Resolution
	Dec		•Drafting TGj Draft v.1.0 •Begin 1st WG letter Ballot on TGj D1	• Drafting TGj Draft v.1.0 • Begin 1st WG letter Ballot on TGj D1
2007	Jan.	#47	Comment Resolution	Comment Resolution
	Feb.		Drafting TGj Draft v.2.0; Begin 2nd WG letter Ballot on TGj D2	Drafting TGj Draft v.2.0; Begin 2nd WG letter Ballot on TGj D2
	Mar.	#48	Confirmation. Begin the 1st Sponsor Ballot	
	May	#49	Comment Resolution	
	June		Begin Sponsor Recirculation	
	July	#50	Confirmation	
	Aug.		Submit to RevCom	
	Sept.	#51	SA Approval	

~~Year~~	~~Month~~	~~Session #~~	~~Activities~~	
~~2006~~	~~May~~	~~#43~~	~~Begin Requirement, Selection Procedure and Usage Scenario document~~	
	~~July~~	~~#44~~	~~Complete Requirement, Selection Procedure and Usage Scenario document~~	
	~~Sept.~~	~~#45~~	~~Presentation and Selection~~	

	Nov	#46	Presentation and finalization	
			Drafting and release TGj document	
	Dec		Begin 1st WG letter Ballot	
2007	Jan.	#47	Comment Resolution	
	Feb		Begin 2nd WG letter ballot	
	Mar.	#48	Confirmation	
		After #48	Begin the 1st Sponsor ballot	
	May	#49	Comment Resolution	
	June		Begin Sponsor Recirculation	
	July	#50	Confirmation	
	Aug.		Submit to Rev.com	
	Sep.	#51	SA Approval	

In order to meet the target of RevCom submittal scheduled in Aug 2007, we recommend that As shown in the table, that the group should aim to complete the WG letter ballot is highly recommended to be completed by Marchuntil Feb. 2007 as shown in the Table. since the TG output RevCom submittal is scheduled in Aug 2007, the TGj document should be accomplished before #47 January meeting. Following the proposed schedule in table 1, TGj will have two sessions, September (#45) and November (#46) 2006, for down selection.

3. Proposed Technical Selection Procedure for TGj Document

TGj has two sessions for presentation and selection as the proposed schedule in table 1. In order to complete down selection within these two sessions we emphasize harmonization of proposals than one time selection by voting because a well harmonized document is more meaningful and mature for complete following sponsor ballots in a couple of sessions. Based on the schedule in table 1, we propose the selection procedure for TGj document. The following proposed considerations are basically aimed for #45 and #46 sessions in table 1.

3.1 Deadline of Contribution for each session

- **Proposals should be submitted before the deadline**

In order to provide members with enough time to review and harmonize contributions, we recommend that Tthe deadline for uploading the proposals be set is recommended to be closedset earlier than at least one week earlier than usual (i.e. two weeks prior to the start of the session)in order to let members have enough time to review uploaded proposals before the meeting. These deadlines should can be ruled administrated by the chair.strictly. In order to have enough time to review and harmonize among contributors, the deadline is recommended two weeks prior to each session. Only proposals submitted in time maycan make harmonization with others. Any late contributions should may not be accepted, have presentation time at the meeting and may not allowed to be harmonized with other proposalsLate contributions are seriously discouraged..

However, the contribution that is more harmonized with other proposal than previous version can be accepted after deadline

3.2 Scope of Contributions

~~Only the contributions being comprised of items in the scope of CFP(Call For Contribution) are allowed to be presented at the meeting~~

- **Preference will be given to contributions dealing with items in the scope of CFP(Call For Proposal)**

~~The Scope of contributions for those sessions are limited to only proposals that want to be adopted in TGj document.~~

~~**3.3. Intention Appeal**~~

- ~~**CFP includes Intention Appeal request prior to proposal submission**~~

~~The contributors should submit intention appeal table lists categorized technical items before actual proposal submission. Those can help to arrange meeting schedule for July meeting. The intention appeal table is written referring technical item table made at July meeting and this request should be included in Call for Proposal FP for .~~

3.34 ~~Itemization of Technical Areas of Contribution~~ToC (Table of Contents)

- **The technical areas are listed into ToC(Table of Contents)**
- **Strive to complete the ToC by the end of July meeting (to facilitate completion on time)**

- ~~**TOC(Table of Contents) and technical item list should be decided at July meeting so as to be referred in CFP**~~

The t~~T~~echnical areas of contributions are listed into ToC and the proposals may written based on this. The ToC should be completed by the end of July meeting and be included in CFP(Call for Proposal) for submission of proposals. ~~itemized in a table and it should be included in CFP so that the contributors mark which contents they include in their proposals. This table would be useful to arrange meeting schedule prior to each session.~~

All the proposals~~contributions~~ should be composed items based on ToC that is included in CFP~~submitted with Technical item intention table in the provided table in the CFP. The technical item intention table is summarized table that indicates which areas or chapters are included in this proposal.~~

~~**3.5 Selection**~~

- ~~**At most two proposals for each technical item are selected at the selection meeting (#45)**~~
- ~~**Only one proposal for each technical item is selected at finalization meeting (#46)**~~

~~The members vote on all the proposals for each technical item, and then two proposals are selected by voting. Final one proposal is selected between two proposals by voting at finalization meeting.~~

4. Two ~~step approach~~options for selection

4.1 Option 1

Since this TGj is approved only for developing multi hop enabling text amending exist IEEE 802.16 standard as addressed in the PAR, one time selection is not appropriate. It is recommended to down-select for each technical items amending IEEE 802.16. In order to achieve this goal and complete the project in time schedule, we proposed two step down selection approach

Down Selection (session #45)

- **After presentation of all proposals for one technical item (or for multiple close-related items), two high ranked proposals for each technical item are selected by voting**

The TGj highly recommends that the members are encouraged to review proposals prior to meetings. All the contributions arranged time slots to present their proposals. The presentation times should be arranged based on the amount of contents and areas in proposal and the presentation time includes Q&A should be same.
At the end of each presentation, voting should be made. Only two highest ranked proposals from all the presentation can proceed to next finalization step.

Harmonization (the weeks between session #45 and #46)

- **The two selected proposals may be revised with reflecting the comments at the previous meeting**
- **The two selected proposals may be harmonized**

The two proposals selected at the previous meeting are encouraged to be harmonized with conflicting proposals. It is desirable if the two proposals could make grand harmonization and merged into one proposal. The other proposals except selected two proposals can be harmonized with one of two selected proposals during harmonization weeks.

The harmonized contributions also should be submitted one week prior to finalization meeting and no late contributions are considered in the meeting. Only the contributions that are more harmonized could be allowed to be presented at the meeting.

Finalization (session #46)

- **The selected two proposals for each item have presentation**
- **One proposal for each technical item is selected by voting**

In this finalization meeting the members are also encouraged to review proposals before attend the meeting. After all the harmonized contributions are presented, one proposal for each technical item is selected by voting.

Only the harmonized contribution selected by voting can be drafted into TGj document

4.1 Option 2

We propose comment resolution approach to develop TGj draft as preferred option following the way that we have experienced in IEEE802.16,

1) Initiated selection procedure on as many topics as possible at #45(September) meeting to begin drafting the baseline document

   At September meeting, TGj receive proposals and select proposals for each topic as many as possible.

2) Selected proposals (for each items) are merged into the baseline document

   After initial selection at September meeting, the editor can merge selected proposals into the baseline document. The members will review the baseline document and can provide comments on that. For these weeks, the contributors of proposals in unselected topics are encouraged to harmonize with others.

3) Update the baseline document by comment resolution during the following sessions

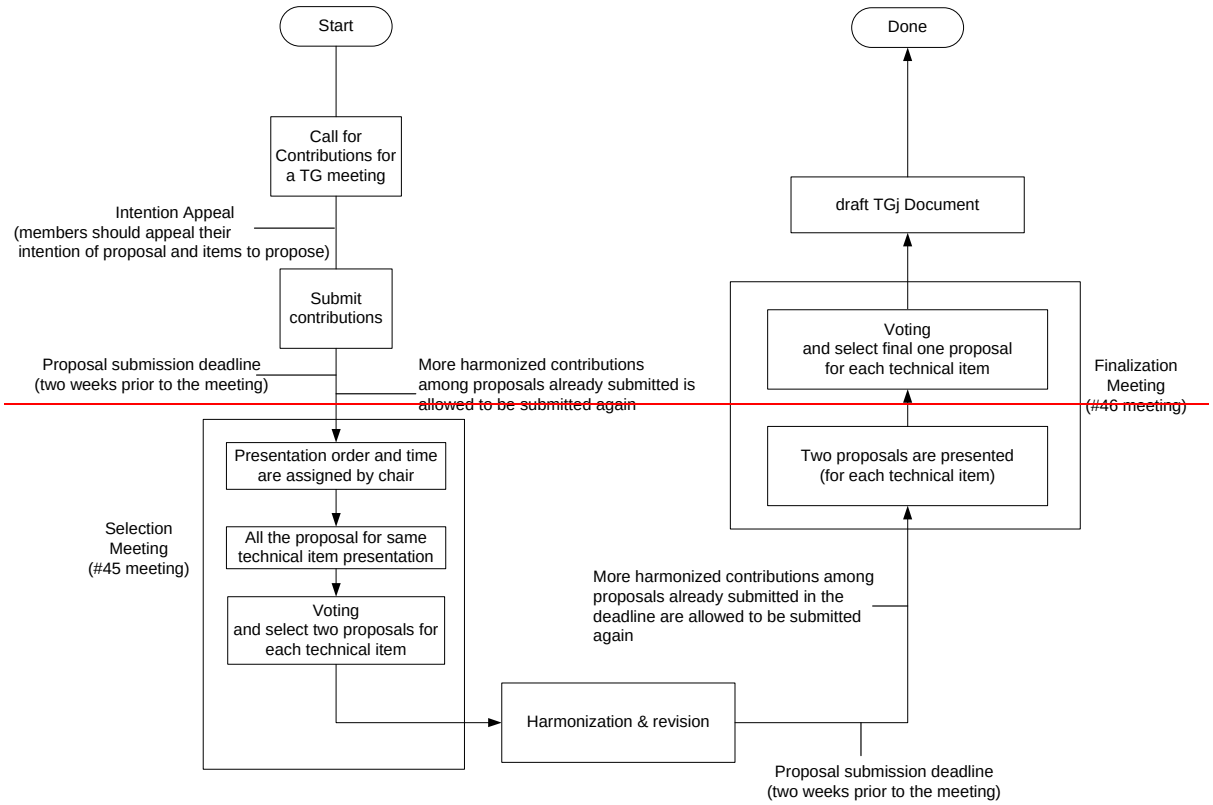
   At the November meeting, TGj can continue selecting the proposals for previously unselected topics while resolving comments for the baseline document which was drafted as the result of previous meeting.

5. Summary

Our recommendation can be summarized as follows;

- Set up TGj schedule based on the PAR schedule:
  - Project completion date for submittal to RevCom : September 2007
  - Expected date of submission for Initial Sponsor Ballot : March 2007
- Strive to complete the ToC by the end of July meeting
- As examples, we propose two options for selection
  - Option 1 : two step down selection approach for baseline
  - Option 2 (16e style): draft the baseline document and update it by comment resolution
- We prefer option 2

- ~~The flow of proposed procedure is drawn in figure 1~~



~~Figure 1. Proposed Selection Procedure flow~~