

# Session #49 802.16 Relay TG Session Summary/Closing Remarks (rev. 1)

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Venue:

IEEE 802.16 Session #49, Portland, OR, USA

Base Document:

None

Purpose:

TG Meeting organization

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**Session #49 802.16 Relay TG**  
**Session Summary/Closing Remarks**

**7<sup>th</sup> Task Group Meeting on Multi-hop Relay in  
IEEE 802.16**

**Relay TG Chair Mitsuo Nohara**

**Vice Chair Peiyong Zhu**

**Technical Editor/Secretary Jung Je Son**

**Technical Editor Mike Hart**

**IEEE802.16 Relay TG Meeting**  
**07-10 May, 2007, Portland, OR, USA**

# Objectives of this 7<sup>th</sup> TG Meeting

- **To advance the development of the P802.16j Baseline Document (IEEE 802.16j-06/026r3)**
  - **Through the Comment resolutions (IEEE 802.16j-07/008r4 and 014r3,)**
  - **Referring to ad-hoc group reports and recommendations,**
  - **Considering the five Guideline Documents of:**
    - **Usage Models (IEEE 802.16j-06/015),**
    - **Definitions and Terminology (IEEE 802.16j-06/014r1),**
    - **Evaluation Methodology (IEEE 802.16j-06/013r3),**
    - **Technical Requirements (IEEE 802.16j-06/016r1) and**
    - **Table of Contents (IEEE 802.16j-06/017r2), and**
  - **Towards Initial Draft for WG Letter Ballot.**

# Agenda

- Session #48 802.16 Relay TG Minutes Review ([IEEE 802.16-07/012](#))
- Meeting Organization
- Ad-hoc Group Reports
- Comment Resolutions
  - \* in reply to the call for Comments and Contributions ([IEEE 802.16-07/008r4 and 014r3](#)) on:
    - P802.16j Baseline Document ([IEEE802.16j-06/026r2 and r3](#))
  - \* considering the five guideline documents of:
    - Usage Models (IEEE 802.16j-06/015),
    - Definitions and Terminology (IEEE 802.16j-06/014r1),
    - Evaluation Methodology (IEEE 802.16j-06/013r3),
    - Technical Requirements (IEEE 802.16j-06/016r1) and
    - Table of Contents (IEEE 802.16j-06/017r2).
- Text Proposals for the Baseline Document
- Schedule towards the initial draft and WG letter ballot
- AOB
  - \*For IEEE SA Patent Policy, see: <http://standards.ieee.org/board/pat/pat-slideset.ppt>

## Motions

- To approve the Agenda 1<sup>st</sup> I-Kang Fu: 2<sup>nd</sup>: Jeffrey Tao, time:17:26 result: passed with no objections
- To approve the minutes IEEE 802.16j-07/012 1<sup>st</sup>; Wen Tong 2<sup>nd</sup>; Gamini Senarath, time: 17:30 result: passed with no objections

# Agenda by Calendar

- **Mon PM**
  - Opening, agenda&minutes review (Mitsuo)
  - Summary of inputs to meeting (Mike)
  - Process for expediting resolution of editorial comments (Mike)
  - Adhoc reports (Adhoc Chairs, 10mins each)
    - (AH-1) Frame structure, (AH-2) Security, (AH-7) Measurement & Rpt, (AH-4) HARQ, (AH-5) R&PM, (AH-3) MOB, (AH-8) Others, (AH-6) MPDU construction.
  - Including consideration of recommendations
- **Tue AM, PM and Evening**
  - Resolution of comments returned to TG from adhoc in database 008\*
    - Organised on a category basis: (AH-1) Frame structure, (AH-2) Security, (AH-7) Measurement & Rpt, (AH-4) HARQ, (AH-5) R&PM, (AH-3) MOB, (AH-8) Others, (AH-6) MPDU construction.
  - Resolution of comments deferred straight to #49 in database 008
    - Contributions: 07/041, 07/071, 07/072, 07/148, 07182, 07/246, 07/247
  - Review of comment classification in database 014\*
  - Resolution of technical comments in database 014
- **Wed AM**
  - Resolution of editorial comments
    - Batch resolution of comments with no issues
    - Resolution of other comments
- **Wed PM & Thu AM/PM**
  - Resolution of technical comments in database 014
  - Closing (Thu PM)

\* **Latest version: 008r4 and 014r3**

# Inputs (Contributions)

| Category  | Count for #49 | Deferred to #49 | Count for #48 | Count for #47 | Count for #46 | Change |
|---|---------------|-----------------|---------------|---------------|---------------|--------|
| Relay concepts                                      | 0             | 0               | 0             | 4             | 8             | 0      |
| Security  | 8             | 6               | 6             | 5             | 0             | 2      |
| Frame structure                                     | 22            | 8               | 25            | 36            | 32            | -3     |
| Network entry                                       | 8             | 0               | 11            | 30            | 33            | -3     |
| Bandwidth request                                   | 5             | 1               | 8             | 11            | 8             | -3     |
| Construction & transmission of MAC PDUs             | 10            | 7               | 7             | 5             | 6             | 3      |
| Measurement & reporting                             | 8             | 5               | 6             | 9             | 7             | 2      |
| Mobility management                                 | 18            | 12              | 39            | 41            | 23            | -21    |
| Routing, path, connection & service flow management | 19            | 15              | 18            | 11            | 10            | 1      |
| RRM, scheduling & interference control              | 0             | 4               | 4             | 3             | 5             | -4     |
| PHY   | 0             | 0               | 5             | 12            | 12            | -5     |
| HARQ  | 14            | 10              | 10            | 0             | 0             | 4      |
| MAC   | 0             | 0               | 4             | 0             | 0             | -4     |
| Other PHY/MAC                                       | 14            | 9               | 0             | 0             | 0             | 14     |
| Evaluation methodology                              | 0             | 0               | 0             | 2             | 4             | 0      |
| Adhoc report  | 3             | -               | 0             | -             | -             | 3      |
| Minutes   | 21            | -               | 0             | -             | -             | 21     |

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|                               |     |    |     |     |     |   |
|-------------------------------|-----|----|-----|-----|-----|---|
| Incoming contributions        | 150 | 77 | 143 | 169 | 149 | 7 |
| Technical/Editorial           | 126 |    |     |     |     |   |
| Rejected (before the meeting) |     |    | 3   | 1   | 4   |   |

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# Comments

- **Two active databases**
  - 008: deferred comments from #48
  - 014: new comments into adhoc & TG
  - Including consideration of recommendations

## 008(r4)

- 86 open comments, all technical
- 71 deferred to adhoc and resolved during this TG session
- Accept 10/Accept-modify 68/Reject 34/Superseded 26/Withdraw 17

## 014(r3)

- 288 comments received (and 593 reply comments)
- 24 deferred to adhoc and resolved during this TG session
- 8 withdrawn
- **Classification:**
  - 14 empty comments
  - 118 editorial
  - 151 technical
  - 2 general
  - 3 with no type
- Accept 68/Accept-modify 44/Reject 30/Superseded 35/Withdraw 42, Pending Resolution (Open, editorial) 69

<- All comments covered except for the Editorial Comments deferred in 07/014r3.

# Way Forward towards WG Letter Ballot after this May Session

- **Today: Finished Commentary database IEEE 802.16j-07/008r4 (008r4, to be 008r5,) and IEEE 802.16j-07/014r3 (014r3, revised to be 014r4) except for the Editorial Comments deferred in 014r4. Let the TG Chair organize a comment resolution committee with the Relay TG Chair members to complete the editorial comment resolutions and provide 014r5. Also let the Technical Editors to revise the baseline document as to be defined in commentary DBs of 008r5 and 014r5.**
- **Set up TG schedule towards Letter ballot after May session:**
  - **Completion of Editorial Comments deferred, to form 014r5,**
  - **Completion of Baseline Document revision reflecting 008r5 and 014r5, and**
  - **Completion of p802.16j/D1 by converting the Baseline Document IEEE 802.16j-06/026r4.**



# Tentative Schedule (as of 15 Mar., 2007)

| Year  | Month   | 802.16 session | Actions   |
|---|---|----------------|---|
| <b>Target: WG Motion/Approval in May session to proceed to WG Letter Ballot on Initial Draft, to be formed as revised baseline document with comment resolutions.</b> |   |                |   |
| <b>2006/200<br/>7</b>   | Mar. 2007   | #48 Interim    | 6 <sup>th</sup> TG meeting  |
|   | Call for Comments                                   |                |   |
|   | May 2007  | #49 Interim    | 7 <sup>th</sup> TG meeting, Comment resolutions<br>Preparation for the 1 <sup>st</sup> WG Letter Ballot |
|   | Drafting standard, 1 <sup>st</sup> WG Letter Ballot |                |   |
|   | Jul. 2007   | #50 Plenary    | 2 <sup>nd</sup> WG letter ballot  |
| <b>2007/200<br/>8</b>   | Sept. 2007  | #51 Interim    | 1st sponsor ballot  |
|   | Nov. 2007   | #52 Plenary    | Sponsor Recirculation   |
|   | Jan. 2008   | #53 Interim    | Submission to Rev. Com  |
|   | Mar. 2008   | #54 Plenary    | SA Approval   |
|   |   |                |   |

# Motions at Relay TG Closing

- **To authorize the TG Chair:**
  - **to organize a comment resolution committee by the Relay TG Chair members to resolve the comments marked as “Editorial” and deferred, and complete the comment resolutions on IEEE 802.16j-07/014r4 and record its resolution 07/014r5 .**

**Motion 1<sup>st</sup>: Dorin Viorel, 2<sup>nd</sup>: Gamini Senarath , at 18:46, passed with no objections**

- **To authorize the Technical Editors:**
  - **to revise the baseline document (802.16j-06/026r3) to accommodate the comment resolutions in 802.16j-07/008r5 and 802.16j-07/014r5 and create the revised (802.16j-06/026r4.)**

**Motion 1<sup>st</sup>: Dorin Viorel, 2<sup>nd</sup>: Wen Tong at 18:52, passed with no objections.**

# Motions at Relay TG Closing

- **To empower the Relay TG Chair:**
  - **to request the WG to authorize the WG Chair to open initial WG Letter Ballot on p802.16j/D1, subject to the successful completion of baseline document, IEEE 802.16j-06/026r4 and its conversion to p802.16j/D1.**

**Motion 1<sup>st</sup>: Wen Tong, 2<sup>nd</sup>: Jeff Tao, at 18:53**

**Result: Passed, 32-14-02**

- **To authorise the task group chair to request that the working group approve 802.16j-06/026r4 as the working group draft P802.16j/D1**

**Moved: Michiharu Nakamura, Second: Gamini Senerath**

**Result: Passed, 33-11-2**

# Motions at 802.16WG Closing

- To approve 802.16j-06/026r4 as the working group draft P802.16j/D1  
Motion: 1<sup>st</sup>: Mitsuo Nohara, 2<sup>nd</sup>: Wen Tong, at 21:03  
Result: failed 39-42-6

\*This motion order changed on site.

- To authorize the WG Chair to open initial WG Letter Ballot on p802.16j/D1, subject to the successful completion of baseline document, IEEE 802.16j-06/026r4 and its conversion to working group draft p802.16j/D1.

Motion 1<sup>st</sup>:, 2<sup>nd</sup>: , at

Result: withdrawn

# Request to the comment/contribution authors

- **For authors of comments/contributions accepted, please provide the original material in doc/ppt format (copy enabled) to the editors so that they can handle the material, especially Figures and Tables easily.**

# Relay-TG Meeting Calendar

16:00 - 19:00, Mon. 07 May @Pacific NW  
08:00 - 22:00, Tue. 08 May @Holladay  
08:00 - 17:45, Wed. 09 May @Holladay  
08:00 - 19:00, Thu. 10 May @Holladay

**60 - 100 participants, each**  
**Doubletree Hotel**  
**Portland, OR, USA**

**Thank you for your comment contributions and participation, and see you in San Francisco!**

