

<i>Project</i>	<b>IEEE 802.16j Mobile Multihop Relay Task Group</b>	
<i>Title</i>	<b>MPDU Construction adhoc – Minutes of the second conference call</b>	
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<i>Re:</i>		
<i>Abstract</i>	<i>Minutes of the second conference call of the MPDU Construction adhoc held on April 11 2007.</i>	
<i>Purpose</i>	<i>Information</i>	
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# MPDU Construction adhoc: Minutes of the second conference call

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## Minutes of the second Relay TG MPDU construction adhoc conference call

Wednesday April 11 2007  
(13:00 GMT, 8:00 CDT, 9:00 EDT, 21:00 P.R.C./R.O.C.)

**Chair:** Jeffrey (Zhifeng) Tao

### Participants:

Kanchei (Ken) Loa	Hang Zhang	Yousuf Saifullah
Chie-Ming Chou	Mary Chion	Haihong Zheng
Yung-Ting Lee	Youn-Tai Lee	Derek Yu
Ranga Reddy	Hongyun Qu	

The meeting was started at 13:00 GMT (9:00 EDT) on April 11 2007 and chaired by Jeffrey Z. Tao. The agenda distributed on Wednesday April 10 2007 was followed.

### 1. Roll call

Roll call was conducted at the beginning of the adhoc and participants listed above were identified.

### 2. Brief review of contributions

#### 1. 07/285

- This is a new contribution submitted as a response to the call for comment/contribution with deadline of April 6.
- M. Chion* provided a brief overview of the contribution, which proposes a new signaling type II acknowledgement header.
- Y. Saifullah* confirmed that this contribution has no conflict with the signaling type II bandwidth request header accepted into the baseline during the Orlando meeting.
- D. Yu* and *H. Zhang* raised the issue of whether 3-bit “Extended Type” field in the proposed signaling type II message would be sufficient or amenable to any future extension.
- M. Chion* confirmed that some fields in 07/287 can be shortened, if the “Extended Type” field needs to be extended.
- Y. Saifullah* explained that 3-bit should be sufficient for “Extended Type” field, as there are not many usages scenarios reported in all the contributions that have been dealt with in the TG so far.

#### 2. 07/267r1

- H. Qu* provided a brief overview of an updated version of this contribution.
- The contribution intends to clarify the MPDU construction format, which both supports the notion of per-hop tunneling and provides a means to implement source routing.
- H. Zhang* asked for a comparison between the subheader approach for source routing and the solution proposed in 07/267.
- Y. Saifullah* questioned the necessity and benefit of performing per-hop tunneling.
- K. Loa*, *Y. Saifullah* and *H. Zheng* exchanged the opinion on source routing versus table-based routing and compared the pros and cons of both approaches.

- f. *Y. Saifullah and H. Zheng* further suggested using MAP to carry the route information for source routing.

### 3. Discussion on contribution handling procedure.

1. It has been agreed upon in this teleconf that contributions belonging to this adhoc will be discussed and handled in the order of increasing document numbers.
2. It has been further agreed upon in this teleconf that 07/198 will be dealt with before 07/195, given the dependence of the latter on the former. That is, the adhoc will handle contributions in the following order [07/198, 07/195, 07/217, 07/221, 07/256, 07/257, 07/267, 07/285]

### 4. Detailed contribution discussion

#### 1. 07/198

- a. *Y. Saifullah and H. Zheng* suggested using CID semantics instead of a separate bit to distinguish the relay MAC header.
- b. To distinguish relay MAC header from the legacy 802.11e MAC header, 3 approaches have been identified in the teleconf:
  - i. Use "RSV" bit in the legacy 802.11e header
  - ii. Use "Mesh subheader" bit in the TYPE field
  - iii. Use CID semantics
- c. *Y. Saifullah and H. Zhang* exchanged discussion on the pros and cons of using extended subheader to fulfill the same function. It has been identified that the extended subheader approach would cause additional overhead and does not utilize the current GMH very efficiently.

### 5. Action items

1. Authors of 07/267 shall upload the updated version and notify the adhoc group once the new version is available on the server.
2. Authors of 07/198 shall address the comments raised during this teleconf and update the adhoc group of the revision.

### 6. Next adhoc meeting planning

Next teleconference call is tentatively scheduled on Monday April 16 2007 (13:00 GMT, 8:00 CDT, 9:00 EDT, 21:00 P.R.C/R.O.C, 22:00 Korea/Japan).

The teleconference was adjourned at 14:10 GMT (10:10am EDT).