

Comments on some technical requirements in IEEE 802.16j-06/016

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Abstract

This document is a proposal for some comments on M12 and O1/O15 in IEEE 802.16j-06/016

Purpose:

This document is provided in response for Call for Contributions IEEE 802.16j Relay Task Group on 2006-09-08

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Comments on M12

Table 1 Mandatory Functional Requirements (original)

| Number | Name | Requirements | Subject (MMR- BS/RS) | Notes |
|--------|--|--|----------------------------|-------|
| M12 | Bandwidth request and allocation | MMR-BS shall support the bandwidth request and allocation mechanism for RS. | MMR-BS(M) RS(O) | |

Do MMR-BS and RS not support bandwidth request and allocation mechanism for MS?

Comments on M12

Table 1 Mandatory Functional Requirements
(Modified-1st way)

| Number | Name | Requirements | Subject (MMR- BS/RS) | Notes |
|--------|---|--|----------------------------|-------|
| M12 | Bandwidth request and allocation | MMR-BS shall support the bandwidth request and allocation mechanism for RS and MS. RS may support the bandwidth request and allocation mechanism for MS | MMR-BS(M) RS(O) | |

Comments on M12

Table 1 Mandatory Functional Requirements

(Modified-2nd way)

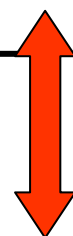
| Number | Name | Requirements | Subject (MMR-BS/RS) | Notes |
|------------|--|--|---------------------|-------|
| M12 | Bandwidth request and allocation for RS | MMR-BS shall support the bandwidth request and allocation mechanism for RS. | MMR-BS(M) RS(O) | |
| M20 | Bandwidth request and allocation for MS | MMR-BS shall support the bandwidth request and allocation mechanism for MS . RS may support the bandwidth request and allocation mechanism for MS | MMR-BS(M) RS(O) | |

Comments on O1\O15

Table 2 Optional Functional Requirements (original)

| Num. | Name | Requirements | Subject (MMR-BS/RS) | Notes |
|------|------------------------------------|--|------------------------|---|
| O1 | <u>Relay path</u> selection | The specification shall define a mechanism to set up and maintain multi-hop paths | MMR-BS(O) RS(O) | There can be centralized and distributed approaches to determine a relay path |
| O15 | Multiple <u>relay path</u> | The specifications shall support the creation of more than one multi-hop path <u>between an MMR-BS and MS</u> | MMR-BS(O) RS(O) | |

Reference:



Not Consistent!

In IEEE 802.16j-06/014 ,“2.25 **relay path**: Concatenation of k consecutive relay link($k \geq 1$) **between the MMR-BS and the designated access RS**”

Comments on O1\O15

- Table 2 Optional Functional Requirements (Modified)

| Num. | Name | Requirements | Subject (MMR- BS/RS) | Notes |
|------|---|--|----------------------------|---|
| O1 | Relay multi-hop path selection | The specification shall define a mechanism to set up and maintain multi-hop paths | MMR-BS(O) RS(O) | There can be centralized and distributed approaches to determine a relay path |
| O15 | Multiple Relay multi-hop path | The specifications shall support the creation of more than one multi-hop path between an MMR-BS and MS | MMR-BS(O) RS(O) | |

Thanks!