**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Proposed comment resolution for R112, 115** | |
| Date Submitted | 10 August 2015 | |
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| Re: | 802.15.10 Consolidated Comment Entry Form, Routing related comments | |
| Abstract | Provides a proposed resolution to Routing related comments | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve Routing related comments | |
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1. **Comment CID R112**

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| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| Charlie Perkins | 38 | 5.4.1.4 | 47 | Are all devices required to support DAgg / payload bunding? | Tough decision :-) |

A device must be able to receive a concatenated frame and read a DCat IE. It is not required to perform DCat itself and can forward to the received frame as it is.

**Resolution: Revise**

* ***Add a new parameter DCatEnabled in the L2RLME-JOIN-MESH.request described as follows:***

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| --- | --- | --- | --- |
| **Name** | **Type** | **Valid Range** | **Description** |
| DCatEnabled | Boolean | TRUE, FALSE | Indicates whether the device is allowed to perform DCat. |

* ***Insert the following text after the second paragraph of 5.4.1.4***

A device may concatenate frames if DCatEnabled is set to TRUE in the L2RLME-JOIN-MESH.request primitive. If DCatEnabled is set to FALSE and the device receives a concatenated frame, it forwards the frame without further concatenation.

1. **Comment CID R115**

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| **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| Charlie Perkins | 39 | 5.4.1.4 | 22 | Can aggregated frames be delayed for more aggregation? | Tough decision :-) |

The way the spec is written now, yes.

**Resolution: Revise**

***Modify the 2nd paragraph of 5.4.1.4 as follows:***DCat is allowed within an L2R mesh if the DCat field of the Descriptor field in the TC IE is set to 1. This field should be set to 0, if the data frame requires urgent transmission without the delay incurred by the DCat buffering. The format of the TC IE is described in 6.2.2. A data frame may be concatenated with another data frame if the DCat field of the Descriptor field of the L2R Routing IE is set to 1. The L2R Routing IE is described in 6.2.8.