**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 Resolutions for CID r01-11** | |
| Date Submitted | 13th September 2016 | |
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| Re: | Proposed comment resolutions related to the 802.15.10 Consolidated Comment Entry Form, CID r01-11 | |
| Abstract | This document provides a proposed comment resolutions for the comments which are related to r01-11 of 1st recirculation SB of 802.15.10 | |
| Purpose | To propose | |
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**CID r01-11**

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| Sato, Noriyuki | Oki Electric Industry Co., Ltd. | Technical | 18 | 5.1.2.1.1 | 50 | L2R layer needs to report all of canditdates to NHL so that NHL can select a mesh to join. This section describes that L2R layer reports one mesh that mesh ID matches to the one in the scan primitive. The relationship between mesh ID and mesh is not 'one-to-one'. | No | Change the section so that primitive reports all of meshes to which the condition matches. |

**Revise:**

Clause 5.1.2.1.1 for ‘Discovery of a specific L2R mesh’ needs to be changed as follows.

* Title ‘Discovery of a specific L2R mesh’ needs to be replaced with ‘Discovery of specific L2R meshes’ since the candidates may not be one.
* Change the descriptions so that it informs all of meshes that match to the request. For macAutoRequest with FALSE, L2RLME-PAN-SCAN.indication informs each time MLME-BEACON-NOTIFY.indication informs. For the macAutoRequest with TRUE, L2LME-PAN-SCAN.confirm informs all of meshes that matches to the request condition.

The detail is shown as following. Red colored part indicates deletion, insertion or modification.

**5.1.2.1.1 Discovery of specific L2R meshes**

If MeshId is a string with a nonzero length, the L2R sublayer should attempt to discover the L2R mesh identified by MeshId. The device sends an L2R-D IE where the Mesh ID Present field is set to 1 and the Mesh ID field is set according to MeshId. The remaining flags of the Descriptor field are set to 0 and ignored by the receiver.

When a device receives the L2R-D IE in an EBR, if it belongs to an L2R mesh with the requested MeshId, it responds with an L2R-D IE in an EB. The device sets the Mesh ID Present field and the Mesh Root Present field to 1 and the Mesh ID field to the requested MeshId. The remaining fields are set based on the information from the corresponding MT. If the device does not belong to an L2R mesh with the requested MeshId, it discards the L2R-D IE.

If the *macAutoRequest* MAC PIB attribute is set to FALSE, the L2R sublayer is notified with an MLME-BEACON-NOTIFY.indication primitive upon receiving each EB frame. In this case, the L2R sublayer creates an MT corresponding to each distinct L2R mesh with the requested MeshId if one has not been created yet. The L2R sublayer then issues an L2RLME-PAN-SCAN.indication primitive to the next higher layer after receiving each MLME-BEACON-NOTIFY.indication primitive from the MAC sublayer. After the scan is completed the L2R sublayer issues the L2RLME-PAN-SCAN.confirm primitive with an empty ScanResultList.

If *macAutoRequest* is set to TRUE, the L2R sublayer is notified of all the scan results with the MLMESCAN.confirm primitive from the MAC sublayer at the end of the scan. If the L2R sublayer receives one or more L2R-D IEs, it creates an MT for each distinct L2R mesh with the requested MeshId. The L2RLME-PAN-SCAN.confirm is returned with a Status SUCCESS and with the entries in the ScanResultList corresponding to the mesh of interest. Otherwise, the L2RLME-PANSCAN.confirm is returned with a Status MESH\_NOT\_FOUND and with an empty ScanResultList.