**IEEE P802.15**

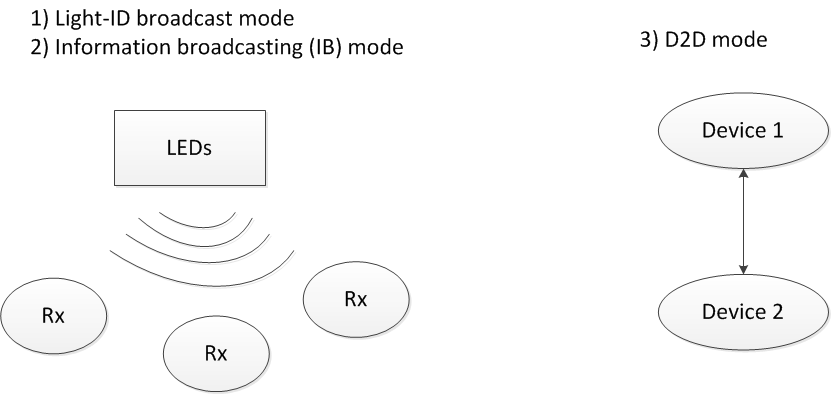
**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Kookmin MAC functional description** |
| Date Submitted | [November 2016] |
| Source | Trang Nguyen, Nam Tuan Le, and Yeong Min Jang (Kookmin University) |
| Re: |  |
| Abstract | Kookmin MAC description is introduced.  The MAC frame formats have been presented in doc.: IEEE 802.15-16- 0011 -01-007a in January 2016. This document adds the explanation to the proposed MAC frames. |
| Purpose | D1 Comments Resolutions and Editorial Revision. |
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# A. Kookmin MAC functional description

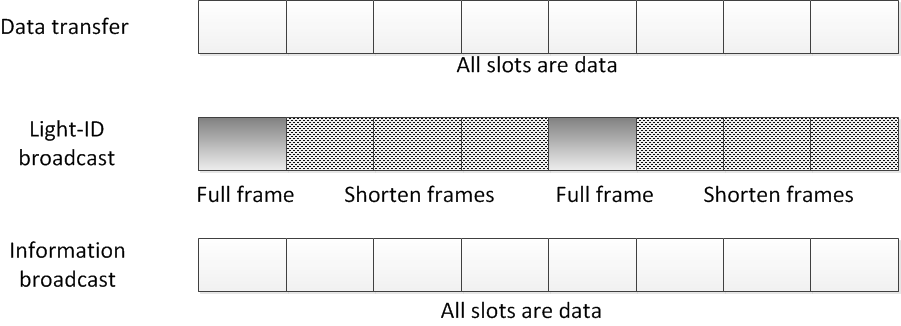
Kookmin MAC supports 3 modes based on applications/usages as follows

* Light-ID broadcast mode
* Information Broadcast (IB) mode
* Bidirectional Device-to-Device (D2D) mode

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**Figure x1 – MAC types support**

Figure x2 provides an example usage of frame structure configuration for multiple topologies such as D2D, light-ID broadcast, and IB mode. Because no superframe structure is applied, all slots are data. For data transfer and information broadcast, data slots are continuously sent. For Light-ID broadcasting mode, shorten frames are sent in between two full frames.

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**Figure x2 – MAC Overview**

B. Kookmin General MAC frame format

TBD