**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Wireless Personal Area Networks | |
| Title | **PAN ID Compression Table for Beacon, Data, Acknowledgement, Command frames** | |
| Date Submitted | 11 Feb 2015 | |
| Source | [] [] [PO Box 798 Los Gatos CA 95031] | Voice: [+1-408-395-7207] Fax: [ ] E-mail: ben.rolfe @ ieee.org] |
| Re: | 802.15.4 Revision Preparation | |
| Abstract | Submission to Maintenance standing committee: Proposed revised format and content for the PAN ID compression table and other related things. | |
| Purpose | Promote useful work | |
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PAN ID Compression for Beacon, Data, Acknowledgement, Command frames

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| --- | --- | --- | --- | --- | --- | --- |
| Frame Version | Source Address | Destination Address | PAN ID Comp | Frame Types | Source PAN ID | Dest PAN ID |
| 0b00 or 0b01 | Not Present | Not Present | 0 | Acknowledgement | Not Present | Not Present |
| Not Present | Not Present | 1 | Not valid for any frame type | NA | NA |
| Not Present | Present | 0 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Not Present | Present | 1 | Not valid for any frame type | NA | NA |
| Present | Not Present | 0 | Beacon, Data, Acknowledgment, Command | Present | Not Present |
| Present | Not Present | 1 | Not valid for any frame type | NA | NA |
| Present | Present | 0 | Beacon, Data, Acknowledgment, Command | Present | Present |
| Present | Present | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| 0b10 | Not Present | Not Present | 0 | Beacon, Data, Acknowledgment, Command | Not Present | Not Present |
| Not Present | Not Present | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Not Present | Short or Extended | 0 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Not Present | Short | 1 | Not valid for any frame | NA | NAA |
| Not Present | Extended | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Not Present |
| Short or Extended | Not Present | 0 | Beacon, Data, Acknowledgment, Command | Present | Not Present |
| Short | Not Present | 1 | Not valid for any frame | NA | NA |
| Extended | Not Present | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Not Present |
| Short or Extended | Short or Extended | 0 | Beacon, Data, Acknowledgment, Command | Present | Present |
| Short | Short | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Short | Extended | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Extended | Short | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Present |
| Extended | Extended | 1 | Beacon, Data, Acknowledgment, Command | Not Present | Not Present |