**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | List of technical proposals specification documents covering the different clauses of the Technical Guidance Document and PAC Framework Document  |
| Date Submitted | May 30th , 2014 |
| Source | Marco Hernandez (NICT) Rev. 0 Rev. 1Qing Li (InterDigital) Rev. 2 |
| Response |  |
| Abstract |  |
| Purpose | For reference in TG8 – updated the list of MAC tech proposals |
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1. List of technical proposals specification documents

List of technical proposals specification documents covering the different clauses of the Technical Guidance Document (TGD) DCN 12-568r9, and PAC Framework Document (PFD) DCN 14-085r1.

**PFD:**

**4.2 Topology:**

1) Joo (ETRI) DCN 14-270r0.

**4.3 Reference model**

1) Joo (ETRI) DCN 14-270r0

**5 MAC layer,**

**5.2 Frame structure:**

1) Joo (ETRI) DCN 14-270r0,

2) Qing (Interdigital) DCN 14-328r0, DCN 14-258r0 (for multi-hop)

3) BJ (ETRI) DCN 14-271r2,

4) Li (NICT) DCN 14-126r1.

**5.3 Synchronization**

1) BJ (ETRI) DCN 14-271r2,

2) Li (NICT) DCN 14-126r1,

3) Qing (Interdigital) DCN 14-328r0.

**5.4 Discovery**

1) Li (NICT) DCN 14-126r1,

2) Joo (ETRI) DCN 14-270r0,

3) BJ (ETRI) DCN 14-271r2,

4) Qing (Interdigital) DCN 14-328r0,

5) Marco (NICT) 14-248r1.

**5.5 Peering**

1) Li (NICT) DCN 14-126r1,

2) Joo (ETRI) DCN 14-270r0,

3) BJ (ETRI) DCN 14-271r2,

4) Qing (Interdigital) DCN 14-328r0, DCN 14-260r0 (for multi-hop)\_

5) Marco (NICT) 14-248r1,

6) J. Yu (Chung-Ang Univ.) DCN 14-129r0.

**5.6 Communication**

1) Joo (ETRI) DCN 14-270r0,

2) BJ (ETRI) DCN 14-271r2,

3) Qing (Interdigital) DCN 14-328r0, DCN 14-262r0 (for multi-hop multi-cast)

4) J. Yu (Chung-Ang Univ.) DCN 14-129r0 (unicast, multicast, broadcast),

**5.7 MPDU structure**

1) Joo (ETRI) DCN 14-270r0,

2) Qing (Interdigital) DCN 14-328r0,

3) J. Yu (Chung-Ang Univ.) DCN 14-129r0.

**5.8 Multiple access**

1) Joo (ETRI) DCN 14-270r0,

2) BJ (ETRI) DCN 14-271r2,

3) Qing (Interdigital) DCN 14-328r0.

**5.9 Synchronization procedure**

1) BJ (ETRI) DCN 14-271r2,

2) Li (NICT) DCN 14-126r1,

3) Qing (Interdigital) DCN 14-328r0.

**5.10 Discovery procedure**

1) Li (NICT) DCN 14-126r1,

2) Joo (ETRI) DCN 14-270r0,

3) BJ (ETRI) DCN 14-271r2,

4) Qing (Interdigital) DCN 14-328r0,

5) Marco (NICT) 14-248r1.

**5.11 QoS**

1) Joo (ETRI) DCN 14-270r0.

**5.12 Interference management**

1) Marco (NICT & NICTA) DCN 14-246r0,

2) Qing (Interdigital) DCN 14-328r0, DCN 14-266r0

3) Joo (ETRI) DCN 14-270r0.

**5.13 Power control**

1) Marco (NICT & NICTA) DCN 14-246r0,

2) Qing (Interdigital) DCN 14-328r0. DCN 14-266r0

**5.14 Multihop**

1) Joo (ETRI) DCN 14-270r0,

2) Qing (Interdigital) DCN 14-328r0,

3) J. Yu (Chung-Ang Univ.) DCN 14-129r0.

**5.15 Relative positioning**

1) Joo (ETRI) DCN 14-270r0,

2) Igor (NICT) DCN 14-273r0.

**5.16 Power management**

1) Qing (Interdigital) DCN 14-328r0,

2) BJ (ETRI) DCN 14-271r2.

**5.17 Security**

1) J. Yu (Chung-Ang Univ.) DCN 14-129r0.

**5.18 Coexistance**

1) Joo (ETRI) DCN 14-270r0,

2) BJ (ETRI) DCN 14-271r2.

**5.19 Upper layer interaction**

1) Joo (ETRI) DCN 14-270r0,

2) BJ (ETRI) DCN 14-271r2,

3) Qing (Interdigital) DCN 14-328r0, DCN 14-264r0.

**6 Physical layer**

**6.1 Channelization**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.2 Duplex schemes**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.3 Multiplexing schemes**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.4 PPDU structure**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.5 Modulation and coding schemes**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.6 Multiple antennas**

1) Marco (NICT) DCN 14-248r1 (2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands)

**6.7 Bit interleaver**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.8 Scrambling**

1) Marco (NICT) DCN 14-248r1 (subGHz, 2.4 GHz, 5 GHz bands),

2) BJ (ETRI) DCN 14-271r2 (2.4 GHz, 5 GHz bands),

3) Igor (NICT) DCN 14-273r0 (UWB band).

4) Billy (Decawave) DCN 14-333r0 (UWB band).

**6.9 UWB physical layer**

1) Igor (NICT) DCN 14-273r0,

2) Billy (Decawave) DCN 14-333r0.

**TGD,**

**5.2 Common mode**

1) Marco (NICT) DCN 14-248r1,

2) Igor (NICT) DCN 14-273r0,

3) Billy (Decawave) DCN 14-333r0,

4) Li (NICT) DCN 14-126r1.