Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: [Resolution for comment #17 and #36]
Date Submitted: [March 19, 2008]
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Re: [In response to TG3c Call for Proposals (IEEE P802.15-07-0586-02-003c)]
Abstract: [Resolution for comment #17 and #36]

Purpose: [To be considered in TG3C baseline document.]

Comments #17, #36 (1/2)

- Comment #17
  - Can this be done with an information element? Also, there are some updates to the frame format that need to be reviewed.
- Resolution
  - Yes. Capability IE can be used for exchanging UEP capability. UEP capable (2bits) and Supported data rate for UEP (5bits) are newly defined in Capability IE. This issue is related with Comment #36

- Comment #36
  - Rather than using commands, if the UEP capabilities are exchanged as part of the normal capabilities exchange, then the commands are not needed.
- Resolution
  - That is right. Capability IE is used for exchanging UEP rather than creating new command frame capabilities.
  - Suggest to eliminate UEP commands from baseline document DF2

UEP capability in Capability IE (2/2)

- UEP capable (2bits)
  - 00 : No UEP Capable
  - 01 -11 : Capable UEP Types (01: UEP type1, 10: UEP Type2, 11: UEP Type3)
- Supported data rate for UEP (5bits)

bit: 7	b6	b5	b4	b3	b2	b1	b0
Supported data rates (totally 14bits)							
Octet #1							

bit: 15	b14	b13	b12	b11	b10	b9	b8
Preferred fragment size	Supported data rates (totally 14bits)						
Octet #2							

bit: 23	b22	b21	b20	b19	b18	b17	b16
STP	CTA relinguish	Imp-ACK	Dly-ACK	Listen to multicast	Listen to source	Always AWAKE	Preferred fragment size
Octet #3							

bit: 31	b30	b29	b28	b27	b26	b25	b24
Supported IFS (totally 4bits)				OOK capable	HSI-OFDM capable	AV-OFDM capable	SC capable
Octet #4							

bit: 39	b38	b37	b36	b35	b34	b33	b32
Reserved	Supported data rates for UEP					UEP capable	
Octet #5							