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

Submission Title: [**Required modification in the current channel page definition**]

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Source: [Fumihide Kojima[1], Hiroshi Harada[1], Takaaki Hatauchi[2], Minoru Tanabe[3], Kentaro Sakamoto[4], Aiichiro Kashiwagi[5], Takahiro Banno[6], Hirohito Nishiyama[7]]

Company [[1]NICT, [2]Fuji Electric, [3]Panasonic, [4]Tokyo Gas, [5]Osaka Gas, [6]Toho Gas, [7]Mitsubishi Electric Corp.]

Address [[1]3-4, Hikari-no-oka,Yokosuka-shi,Kanagawa239-0847,Japan]

Voice:[[1]+81-46-847-5074]

FAX: [[1]+81-46-847-5440]

E-Mail:[f-kojima@nict.go.jp, harada@nict.go.jp]

Re: [In response to TG4g Call for Proposals]

Abstract: [SFF comment resolutions]

Summary

This document indicates a required revision in the current channel page definition as depicted in 00/007r1

- ChannelBand structure shall include an additional attribute namely *phyChannelAvairable* that indicates channel availability for each channel in the supposed channel band

- *phyChannelAvairable* is an integer that enables *"Number of Sub-Channels"*-length bitmap indicating availability of up to *"Number of Sub-Channels"* channels respectively

- With this attribute, upper layer procedures such as SCAN work in the framework of 15.4

  - SCAN assumes channel list format to be scanned and to be reported

Appendix: Situation in 950MHz band in Japan

- Five ChannelBands are assumed
  - ChannelBand: 950MHzGFSK50kbps(w/o FEC)
    - 32-length *phyChannelAvairable*
  - ChannelBand: 950MHzGFSK50kbps(w/ FEC)
    - 31-length *phyChannelAvairable*
  - ChannelBand: 950MHzGFSK100kbps
    - 31-length *phyChannelAvairable*
  - ChannelBand: 950MHzGFSK200kbps
    - 30-length *phyChannelAvairable*
  - ChannelBand: 950MHz4GFSK400kbps
    - 30-length *phyChannelAvairable*

	Frequency (MHz)	50kbps (w/o FEC)	50kbps (w/ FEC)	100kbps	200kbps	400kbps
Index SFF950start+0 50kbps (w/o FEC)	951.0	0	0	0		0
	951.2	1			0	
Index SFF950start+1 50kbps (w/ FEC)	951.4	2	1	1		1
	951.6	3	2	2	1	
Index SFF950start+2 100kbps	951.8	4	3	3		2
	952.0	5		4	3	2
Index SFF950start+3 200kbps	952.2	6	4	5	4	3
	952.4	7	5	6		
Index SFF950start+4 400kbps	952.6	8	6	7		4
	952.8	9	7	8	5	5
	953.0	10	8	9		
	953.2	11	9	10	6	6
	953.4	12	10	11		7
	953.6	13	11	12	7	
	953.8	14	12	13		8
	954.0	15	13	14	8	9
	954.2	16	14	15	9	
	954.4	17	15	16		10
	954.6	18	16	17	10	11
	954.8	19	17	18		
	955.0	20	18	19	11	12
	955.2	21	19	20		13
	955.4	22	20	21	12	
	955.6	23	21	22	13	14
	955.8	24	22	23		15
	956.0	25	23	24	14	
	956.2	26	24	25	15	16
	956.4	27	25	26		17
	956.6	28	26	27	16	
	956.8	29	27	28	17	18
	957.0	30	28	29		19
	957.2	31	29	30	18	
	957.4	32	30	31		