

**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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Re: [In response to TG4g Call for Proposals]

Abstract: [SFF comment resolutions]

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# 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	951.0	0	0			
50kbps (w/o FEC)	951.2	1	1	0	0	0
Index_SFF950start+1	951.4	2	2	1	1	1
50kbps (w/ FEC)	951.6	3	3	2	2	2
Index_SFF950start+2	951.8	4	4	3	3	3
100kbps	952.0	5	5	4	4	4
Index_SFF950start+3	952.2	6	6	5	5	5
200kbps	952.4	7	7	6	6	6
Index_SFF950start+4	952.6	8	8	7	7	7
400kbps	952.8	9	9	8	8	8
	953.0	10	10	9	9	9
	953.2	11	11	10	10	10
	953.4	12	12	11	11	11
	953.6	13	13	12	12	12
	953.8	14	14	13	13	13
	954.0	15	15	14	14	14
	954.2	16	16	15	15	15
	954.4	17	17	16	16	16
	954.6	18	18	17	17	17
	954.8	19	19	18	18	18
	955.0	20	20	19	19	19
	955.2	21	21	20	20	20
	955.4	22	22	21	21	21
	955.6	23	23	22	22	22
	955.8	24	24	23	23	23
	956.0	25	25	24	24	24
	956.2	26	26	25	25	25
	956.4	27	27	26	26	26
	956.6	28	28	27	27	27
	956.8	29	29	28	28	28
	957.0	30	30	29	29	29
	957.2	31	31	30	30	30
	957.4	32				