

IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)	
Title	Minutes of the SG 4TV in Singapore Plenary Meeting	
Date Submitted	May, 2011	
Source	[Chin-Sean Sum]	Voice: [+81-46-847-5092] Fax: [+81-46-847-5440] E-mail: [sum@nict.go.jp]
Re:		
Abstract	IEEE 802.15 Task Group Study Group for TV White Space	
Purpose		
Notice	This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.	
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May 9 Monday AM2

Meeting called to order

10.30am

Meeting called to order by Sangsung Choi.

Chair called for volunteer to record minutes.

Chin-Sean Sum (NICT) volunteered as the recording secretary.

Announcement and Introduction

11/374r0. Opening introduction was presented. The summary is as below:

- Meeting objectives, timeline.
- Highlights of the IEEE standard boards bylaws on patents in standards

Approval of Singapore Plenary Meeting Minutes

11/306r0. Meeting minutes from Singapore meeting

Motion to pass the minutes by Soo-Young Chang (CSUS) and seconded by Alina Liru (NICT).

Minutes approved by unanimous consent.

Approval of agenda

11/343r0. Agenda was opened for discussion.

Motion to approve agenda by Chin-Sean Sum (NICT).

Seconded by Cheolho Shin (ETRI).

Presentations

11/337r0. SG4TV Draft PAR presented by Soo-Young Chang.

11/338r0. SG4TV Draft 5C presented by Soo-Young Chang.

Discussions on documents 11/337r0 and 11/338r0:

Suggestions raised on 11/337r0 - PAR

- a) Align wordings in Scope with that in the P802.15.4i
- b) Justify the value of 2Mbps data rate in Scope
- c) Add a statement on coexistence with other secondary systems
- d) Add the term “command and control outdoor ” before the “application” in Need for project

- e) Add the term “to take advantage of TV white for use in large scale command and control outdoor applications” in Purpose
- f) Align wordings in Title with that in the P802.15.4i

Suggestions raised by on 11/338r0 - 5C document

Broad market potential

- a) Broad sets of capability – Use general statements for paragraph 1
- b) Multiple vendors and numerous users – Modify sentence
- c) Balanced cost – Add sentence “in the value of application” after the end of the first sentence. Remove the last sentence.

Compatibility

No suggested modifications.

Distinct Identity

- a) Substantially different from other IEEE 802 standards - List the advantages of having optimal command in control applications
- b) One unique solution per problem – Include main idea of “Enabling WPAN in TV white space”

Technical feasibility

- a) Demonstrated system feasibility – Include the statement that “There are many existing devices operating in the TV bands (i.e. VHF/UHF) and many in development”
- b) Proven technology, reasonable testing – No suggested modifications
- c) Confidence in reliability - Include the statement that “Based on the many existing implementations operating in the TV bands (i.e. VHF/UHF) in the field, it is proven a reliable solution”

Economic Feasibility

- a) Known cost factor, reliable data – Insert “...as is what it takes to implement a TV white space PHY layer” replacing the second sentence
- b) Reasonable cost for performance – No suggested modifications.
- c) Consideration for installation costs – Replace with sentence “The use of TV white

space band in WPAN device should result in a reduction of an overall system installation cost. And have no impact on individual device installation cost.”

Recess

12.30am

Recess called by Sangsung Choi.

May 10 Wednesday AM1

Meeting called to order

8.00am

Meeting called to order by Sangsung Choi.

Presentation

11/394r0. Presentation by Mi-Kyung Oh.

Discussion on PAR and 5C

11/337r1 draft of PAR and 11/338r1 draft of 5C were presented.

There was discussion.

11/337r2 and 11/338r2. Revised version of PAR and 5C documents were uploaded.

May 12 Thursday PM1

Meeting called to order

1.30pm

Discussion on PAR and 5C

11/337r2 draft of PAR and 11/338r2 draft of 5C were presented.

There was discussion.

11/337r3 and 11/338r3. Revised version of PAR and 5C documents were uploaded.

Motion to approve document 15-11/0337r3 and 15-11/0338r3 as the PAR and 5C documents of SG4TV

Move: Soo-Young Chang

Second: Chin-Sean Sum

Vote: Yes:13 No:0 Abs:0

Motion to seek approval of PAR and 5C stated in documents 15-11/0337r3 and 15-11/0338r3 and to ask the WG to submit these documents to EC

Move:Soo-Young Chang

Second: Alina Lu Liru

Vote: Yes:11 No:0 Abs:0

Adjourn

3.00pm. Meeting adjourned by Sangsung Choi.