Project	**P1900.7: Radio Interface for White Space Dynamic Spectrum Access Radio Systems Supporting Fixed and Mobile Operation**
	http://www.dyspan-sc.org/
Title	**Minutes of Teleconference June 18, 2014**
DCN	**1900. 7-14-0020-01**
Date Submitted	**Aug 19, 2014**
Source(s)	Muhammad Zeeshan Shakir, Muhammad.shakir@qatar.tamu.edu
Re:	
Abstract	
Purpose	
Notice	This document has been prepared to assist the IEEE DYSPAN SC. 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.
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that IEEE DYSPAN SC may make this contribution public.
Patent Policy	The contributor is familiar with IEEE patent policy, as outlined in Section 6.3 of the IEEE-SA Standards Board Operations Manual <http://standards.ieee.org/guides/opman/sect6.html#6.3> and in *Understanding Patent Issues During IEEE Standards Development* <http://standards.ieee.org/board/pat/guide.html>.

IEEE 1900.7 WS Radio WG
June 18, 2014
Teleconference meeting
Chair: Stanislav Filin
Vice Chair: Oliver Holland
Secretary: Muhammad Zeeshan Shakir

Wed Jun 18, 2014

1. Call to Order

The meeting was called to order by the Chair Stanislav Filin.

- Chair performed roll call of participants.

Attendance: Stanislav Filin, Vankatesha Prasad, Ignatius Lee, Huaizhou Shi, Guoru Ding, and Muhammad Zeeshan Shakir
Summary:

- 06 members are present.
- Out of 7 voting members 3 are present. The quorum was not established. Chair allowed to proceed with the meeting subject to the condition that all the decisions will be approved during the next meeting.

2. Approval of Agenda

Chair briefly present the draft agenda **7-14-0018-00**.

Motion

To approve meeting agenda 7-14-0018-00

Moved by VP
Seconded by Ignatius

The Chair asked for any discussions. None. The question was called.
The Chair made a call for any objections. No objections.

The motion was approved with unanimous consensus.

3. Call for Essential Patent Claims

The Chair showed patent policy to the group.

The Chair made a call for essential patent claims. No new essential patent claims were indicated.

4. Approval of minutes of previous meeting

Motion

To approve minutes of May 21, 2014 meeting 7-14-0016-00

Moved by VP
Seconded by Lee

The Chair asked for any discussions. None. The question was called.
The Chair made a call for any objections. No objections.

5. Technical Contributions

Technical contribution #7-14-0017-01 was presented to the working group by Guoru Ding.

Discussions: Shi asked a question related to Slide 8 and about 802.22b that they are considering new things including such features; no adjacent channels and multiple frequency channels. He further asked Guoru if he is aware of upcoming proposals. Guoru said he is not aware of such developments and he further said that may be the main difference would be 1900.7 is to support mobility in CR more focus is on how to define spectrum manager in areas. Stanislav said that the white space spectrum is currently defined in areas and we are already using the available white space data sets. Stanislav further said that we also have this information available which channels are available in some areas and which are not. Shi said that 802.22b data base has this info and maybe we need sensing processes so that changes in white space can be noticed and used. He further said that we may need to quantify how fast is sensing required and in which area?
Stanislav said that sensing is basically illegal as of today and you cannot sense and start cognitive transmission. Spectrum sensing is not illegal Guoru said. Stanislav further said that it is legal below 30m Watt. According to our ranges there is no way we can make is legal. We need to get permission from TVWS. Guoru said that TVWS focus on spatial domain is to find some areas that are covered by TV and other are not. Stanislav said that, in order for real device to certify we need to comply with regulations. We need to come with regulations and then consider. Stanislav also advised that we need to priorities the task in this draft standard. He further said, we need to focus more on data base approaches. Guoru said, yes but the data base approach has lower update frequency, no real time update and we need surely sensing. Specially, if there is high mobility. Stanislav said that in mobile it is difficulty to access the data base and mobile system may have some special feature and we need to consider how to access them actively. Guoru said may be data base is not everywhere. There may be some area where data base is not available or not updated frequently. Shi said that the data base is available on internet and could be accessible through some processes. He further said, however, for mobile users it is complicated and how we are going to make it available for mobile user - is important and we need sensing.
Shi further asked about Slide 13 that WS 1 and WS 2 specially about cellular and macro BS are the same or different. Guoru said actually two systems are about the coexistence of the inter systems. Stanislav said that this is not our business. Nothing here we would define in 1900.7 and would be part of draft standard. Stanislav further said that such Interface is already defined in standard. Shi also said that we already have interface to the data base such as PAWS and there they have defined their interface and

we just use that. He further said what was called as spectrum manager in 802.22 as how to use the info for spectrum between the base station and white space, we don't need to repeat it here. Guoru said that may be we have cognitive plane in side base station or inside white space. Shi said that we also need to define interface between neighboring base stations and Stanislav said yes we need to define such spectrum management messages between the base stations carefully and that could be a potential contribution for future.

6. Next meeting

- ➤ July 16, 2014, 08:00AM - 10:00AM, UTC , GoToMeeting
- ➤ August 25-28, 2014, co-located with IEEE DySPAN plenary meeting, Piscataway, USA, F2F

7. AOB

None.

8. Adjourn

Motion

To adjourn meeting

Moved by Shi
Seconded by Lee

Motion is approved by unanimous consent.

The meeting adjourned.