

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 Jun. 26, 2013
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Re:	
Abstract	
Purpose	
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IEEE 1900.7 WS Radio WG
Jun. 26, 2013
Teleconference meeting
Chair: Stanislav Filin
Vice Chair: Oliver Holland
Secretary: Muhammad Zeeshan Shakir

Wed Jun 26, 2013, 8:00 AM

1. Call to Order

The meeting was called to order by the Chair Stanislav Filin on Jun 26, 2013 at 08:10 AM UTC.

- The WG secretary performed roll call for attendance:

Attendance: Stanislav Filin, Vinh Dien Hoang, Ignatius Lee, Dongming Li, Dominique Noguét, Muhammad Zeeshan Shakir, Xin Zhang, Jean-Baptiste Dore, Adrian Kliks, Sajeev Manikoth, Baher Mawlawi.

Summary:

- 11 members are present.
- 07 voting members/13 attendance, the quorum is achieved.

2. Approval of Agenda

The chair present agenda for the meeting and highlight that there are three contributions to be presented during the technical contribution session.

Motion

To approve Jun 26 meeting agenda 7-13-0033-00

Moved by Dominique

Seconded by Hoang

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 Jun 6 meeting 7-13-0032-00

The Secretary presented minutes of Jun 6 meeting briefly. There was no technical contribution presented during last meeting.

Motion

To approve Jun 6 meeting minutes 7-13-0032-00

**Moved by Dominique
Seconded by Xin**

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.

5. Status report

The WG Chair presented the status report **7-13-0036-00**.

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

6. Technical Contributions

Chair explained that following three contributions will be presented during today's meeting. Contributions numbers **7-13-0028-01** and **7-13-0009-01** by Dongming Li and contribution number 7-13-0035-00 by Baher. The contribution number **7-13-0030-01** is postponed for future Jul meeting.

6.1 Regulatory and Vendors' Support of Polarization: Contribution number 7-13-0028-01.

First contribution was presented by Dongming. Stanislav asked what is the conclusion of this contribution? He further said can we use it for our standardization? Dongming said that the Polarization Adaption technique should be considered as is well-suited for white-space radio for suppressing interference to incumbents and state etc. for suppressing interference to incumbents and enhancing the wanted signals

6.2 Internet of Things Use Case: Contribution number 7-13-0009-01.

Second contribution was presented by Dongming Li. Stanislav suggested that the WG might include these case in consolidate use case. Stanislav suggested approving Motion to include the Internet of Things Use Case.

Dominique asked some concern about Motion whether it is going to be added or replaced in the current document. Stanislav asked further if Dominique can further explain his concern. Dominique said he want to understand what would be implications of merge of these with already existing use case. Does this use cases have clear differences with the current use case. Stanislav said apparently it can be seen that it is quite different from the already existing case.

Chair asked the WG members that if anyone disagrees please speak up now. No further concerns were recorded from WG.

Motion

To direct the technical editor to add three use cases from the contribution 7-13-0009-01 into the consolidated use case document

Moved by Hoang

Seconded by Dongming

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.

6.3. CSMA/CA Analysis: Contribution number 7-13-0035-00.

Third contribution was presented by Jean-Baptist Dore. Stanislav asked it would be interesting to know what would be the efficiency of CSMA compared to TDMA. Dore replied that CSMA is opportunistic and centralized and it is not the case in TDMA. Stanislav further said that the CSMA is very easy is to implement but may be the main drawback is the efficiency? It is anticipated that two third of the input will be lost due to waiting during back off or during collisions? Moreover, he said that if TDMA and CSMA operating in same band throughput will be 3 times higher in comparison with CSMA.

Stanislav asked what is the unit of throughput? Dore explained that during simulation they consider 1 mega bps for 83% of the time. Stanislav said he may needs to check this offline. Stanislav said it would be nice to see the some details of simulation. He further said that he was

analyzing 802.11 and 802.6 and he got cell capacity over 100 trials around 2MPBS in 6 MHz with adaptive coding modulation in 802.11 and in 802.22 he got around 9 MBPS. The difference is around 3 times.

Dominique asked Stanislav: do you have a paper or document to provide the explanation. Stanislav said he will send over that paper. That paper was published. It could be interested to see details of simulations in upcoming meetings. Dominique said we take your remark for future aspiration not only for throughput but also pros and cons of this technology.

Stanislav asked does it mean you are proposing CSMA as a MAC of 1900.7? Dore explained that it may be earlier to answer and he further said that we are analyzing different options and we are sharing where we are in this area and trigger some discussion to move forward from this point.

7. Next meeting

- July 31, 2013, 08:00AM - 10:00AM, UTC
- August 26-30, 2013, co-located with the IEEE DySPAN plenary session

8. AOB

The chair made a call for any other business. Hoang asked for .ppt file for contribution **7-13-0009-01**.

9. Adjourn

Motion

To adjourn meeting

Moved by Li

Seconded by Xin

Motion is approved by unanimous consent.

The meeting adjourned 09:30 UTC.