Document Title: Minutes of the IEEE DySPAN-SC January 2013 Meeting in Washington DC, USA.

Document Date: February 28, 2013

Document No: DCN sc-13-0015-00-MINS

<table>
<thead>
<tr>
<th>Author’s Name</th>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ha Nguyen Tran</td>
<td>NICT</td>
<td></td>
<td></td>
<td><a href="mailto:haguen@ieee.org">haguen@ieee.org</a></td>
</tr>
</tbody>
</table>

Notice: This document has been prepared to assist IEEE DySPAN-SC and its Working Groups. 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 this contribution may be made public by IEEE DySPAN-SC.

Patent Policy and Procedures: The contributor is familiar with the IEEE Patent Policy and Procedures including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to IEEE DySPAN-SC and its Working Groups of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE DySPAN-SC.

If you have questions, contact the IEEE Patent Committee Administrator at <patcom@ieee.org>.
Minutes of The IEEE DySPAN Standards Committee Meeting
Washington DC, USA, January 08 — 11, 2013

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Hiroshi Harada</td>
<td><a href="mailto:harada@ieee.org">harada@ieee.org</a></td>
</tr>
<tr>
<td>Vice Chair</td>
<td>Maximilian Riegel</td>
<td><a href="mailto:max.riegel@ieee.org">max.riegel@ieee.org</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Oliver Holland</td>
<td><a href="mailto:oliver.holland@kcl.ac.uk">oliver.holland@kcl.ac.uk</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Ha Nguyen Tran</td>
<td><a href="mailto:haguen@ieee.org">haguen@ieee.org</a></td>
</tr>
</tbody>
</table>

Meeting participants: See Appendix A

Tuesday, January 8th, 2013 15:45 local time

Item 1: Opening business

- Chair of the DySPAN-SC (Hiroshi Harada) called the meeting to order at 15:45 local time.
- The Chair made a brief introduction. Then, he made call for Potentially Essential Patents and indicated patent related links for further information.
- Attendance of the participants was taken (See Appendix A). In total 17 participants attended the meeting out of which 12 of them have voting right.
- As per the previously established membership list, 12 members out of 20 present during the meeting. The quorum to start the meeting has been established.
- The Chair presented the agenda of the meeting.
- Approval of the meeting agenda was requested.

**Motion:** Approve the agenda of the 6th general meeting of IEEE DySPAN-SC, as indicated in document DCN sc-13-0006-00-MTNG.

- Moved by Michael Gundlach.
- Seconded by Lynn Grande.
- Discussion: None.
- Voting result: No: 0; Abstain: 0.
- Motion passed by unanimous consent.

- Approval of the minutes of the previous meeting was requested.

**Motion:** Approve the minutes of the 5th general meeting of IEEE DySPAN-SC held in Grenoble, in June 25-28, 2012. The minutes are available at,[2](https://mentor.ieee.org/dyspan-sc/dcn/12/sc-12-0035-00-MINS-dyspan-sc-minutes-june-25-28-2012-grenoble-draft-pdf.pdf)

- Moved by Vinh Dien Hoang.
- Seconded by Oliver Holland.
- Discussion on the motion: None.
- Voting result: No: 0; Abstain: 0.
- Motion passed by unanimous consent.

Item 2: Reports of officers
2.1 Report from DySPAN-SC Chair

- The Chair (Hiroshi Harada) reported about the following items. The details are in the slides from number 15 to number 25 of the document sc-13-0006-00-MTNG.
  - Current structure of the IEEE DySPAN-SC.
  - Standards published by the WGs of DySPAN-SC.
  - On-going projects of DySPAN-SC.
  - The status of recent plenary meetings. The Chair stated that the DySPAN-SC leadership would like to express their special thanks to NICT, CEA, and Wireless Innovation Forum for hosting DySPAN-SC’s meetings for the year 2012.
  - Communication with the IEEE CSDB.
  - Communication with the IEEE 802.

2.2 Current officers, membership, and standard development tools of the DySPAN-SC

- The Chair (Hiroshi Harada) reported about current officers, membership and tools for the standards development. The details are in the slides from number 26 to number 30 of the document sc-13-0006-00-MTNG.
  - Secretary issue: The Chair reported that Yohannes Alemseged had resigned from the Secretary role. The Chair issued the “call for nomination for secretary” on Dec. 02, 2012. One candidate (Ha Nguyen Tran) was nominated.
  - Ha Nguyen Tran thanked for the nomination and introduced himself to the participants.
  - Ha Nguyen Tran was appointed as Secretary.
  - Approval of Secretary appointment was requested.
    - Motion: Approve the appointment of Ha Nguyen Tran as IEEE DySPAN-SC Secretary from Jan. 8 2013.
      - Moved by Lynn Grande.
      - Seconded by Michael Gundlach.
      - Discussion: None.
      - Results: Yes 10; No 0; Abstain 1.
      - Motion passed.

2.3 Treasurer’s report

- The Treasurer (Oliver Holland) reported about financial status of the DySPAN-SC. The details are in document sc-13-0001-01-MTNG.
  - A motion regarding losses in WG meetings in 2012 was raised.
    - Motion: For losses in WG meetings in 2012,
      - For 1900.4, loss should come from 1900.4 available financial.
      - DySPAN-SC incurs the losses of 1900.5, 1900.6 and 1900.7.
    - Moved by Michael Gundlach.
    - Seconded by Lynn Grande.
    - Discussion: None.
    - Results: Yes 9; No 0; Abstain 2.
Motion passed.

The Chair (Hiroshi Harada) expressed appreciated the healthy financial status of the committee. The Chair suggested WG members propose ideas to utilize the available finance to support the standards development.

A motion to obtain an additional online meeting tool was raised.

**Motion:** DySPAN-SC will obtain an additional GoToMeeting license.

- Moved by Lynn Grande.
- Seconded by Michael Gundlach.
- Discussion on the motion: None.
- Result: No: 0; Abstain: 0.
- Motion passed by unanimous consent.

### Item 3: Progress reports of WGs

#### 3.1 Status report of P1900.1 WG

- The 1900.1 WG Vice-Chair (Oliver Holland) presented the status of 1900.1 WG activities. The report is available as DCN sc-13-0003-00-MTNG in the mentor site [https://mentor.ieee.org/dyspan-sc/documents](https://mentor.ieee.org/dyspan-sc/documents)

#### 3.2 Status report of P1900.4 WG

- The 1900.4 WG Vice-Chair (Hiroshi Harada) presented the status of 1900.4 WG activities. The report is available as DCN sc-13-0004-00-MTNG.

#### 3.3 Status report of P1900.5 WG

- The 1900.5 WG Chair (Lynn Grande) presented the status of 1900.5 WG activities. The report is available as DCN sc-13-0012-00-MTNG.

#### 3.4 Status report of P1900.6 WG

- The 1900.6 WG Chair (Michael Gundlach) presented the status of 1900.6 WG activities. The report is available as DCN sc-13-0007-00-MTNG.

#### 3.5 Status report of P1900.7 WG

- The 1900.7 WG Chair (Stanislav Filin) presented the status of 1900.7 WG activities. The report is available as DCN sc-13-0011-00-MTNG.

### Item 4: Administrative items

#### 4.1 New project activity

- A New Project proposal entitled “Spectrum Consumption Modeling” was proposed by John Stine which is found in the document sc-12-0028-00-MTNG.
- Lynn Grande, chair of 1900.5 WG informed that 1900.5 WG had agreed on the PAR proposal for the project P1900.5.2, which is available as DCN sc-13-0008-00-MTNG.
- Lynn asked DySPAN-SC to make decision on forwarding the 1900.5.2 PAR to NesCom.
- The Chair asked DySPAN-SC members to review the 1900.5.2 PAR proposal.

#### 4.2 Draft DySPAN-SC P&P

- The Chair informed that Bernd Bochow had been appointed as the Chair of the Default P&P Ad
The Chair informed that the report on DySPAN-SC P&P drafting progress is available as document sc-13-0005-01-MTNG.

**Item 5: Meeting planning**

* The Chair presented the plan for DySPAN-SC meetings in 2013.

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Meeting Place</th>
<th>Host</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar/Apr, 2013</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>June/July, 2013</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Nov/Dec, 2013</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

The Chair mentioned that the Call for volunteers to host the 2013 meetings will be sent out.

The Chair informed that so far there are two proposals as follows. The Chair stated that more proposals are welcome and approval of the meeting plan will be needed.

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Meeting Place</th>
<th>Host</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>April, 2013</td>
<td>Tokyo, Japan</td>
<td>NICT</td>
<td>April 23-26, 2013</td>
</tr>
<tr>
<td>Sept, 2013</td>
<td>Melbourne, Australia</td>
<td>Royal Melbourne Institute of Technology</td>
<td>Sept 2-4, 2013</td>
</tr>
<tr>
<td>Nov/Dec, 2013</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

The meeting was recessed at 17:45 local time.

**Thursday, January 10th, 2013 16:00 local time**

Chair Hiroshi Harada informed that the revised agenda for the closing session is indicated in slide number 42 of the document sc-13-0006-01-MTNG.

Approval of the revised agenda was requested.

**Motion:** to approve the agenda revision in the slide 42 of the document SC-13-0006-01-MTNG.

- Moved by Darcy Swain.
- Seconded by Stanislav Filin.
- Discussion on the motion: None.
- Result: No: 0; Abstain: 0.
- Motion passed by unanimous consent.

**Item 6: Wrap-up reports**

3.1 Wrap-up report of P1900.1 WG

The 1900.1 WG Vice-Chair (Oliver Holland) presented the wrap-up report of 1900.1 WG activities during this meeting. The report is available as DCN sc-13-0013-00-MTNG in the
3.2 Wrap-up report of P1900.4 WG
- The report was presented in the opening session of the plenary meeting.

3.3 Status report of P1900.5 WG
- The 1900.5 WG Chair (Lynn Grande) presented the wrap-up report of 1900.5 WG activities during this meeting. The report is available as DCN sc-13-0012-00-MTNG.

3.4 Status report of P1900.6 WG
- The 1900.6 WG Chair (Michael Gundlach) presented the wrap-up report of 1900.6 WG activities during this meeting. The report is available as DCN sc-13-00010-00-MTNG.

3.5 Status report of P1900.7 WG
- The 1900.7 WG Chair (Stanislav Filin) presented the wrap-up report of 1900.7 WG activities during this meeting. The report is available as DCN sc-13-0011-00-MTNG.

Item 7: Meeting planning (continued)
- The Chair informed the current status of meeting proposals: two candidates for April meeting, one candidate for September meeting.

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Meeting Place</th>
<th>Host</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>April, 2013</td>
<td>Tokyo , Japan London, UK</td>
<td>NICT, KCI.</td>
<td>April 23-26, 2013</td>
</tr>
<tr>
<td>Sept, 2013</td>
<td>Melbourne, Australia</td>
<td>Royal Melbourne Institute of Technology</td>
<td>Sept 2-4, 2013</td>
</tr>
<tr>
<td>Dec, 2013</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

- The Chair informed that NICT can host the December meeting instead of the April meeting.
- The Chair informed that MITRE can host the September meeting in America.
- To keep fairness among the participants it was proposed that DySPAN-SC meetings should be held equally in Europe, America and Asia areas. There was a question which area should the Melbourne meeting to be considered. The Chair explained the proposal from Royal Melbourne Institute of Technology and said that this meeting would be considered as a meeting in Asia area.
- There was concern about the number of participants who could travel to Melbourne to join a DySPAN-SC meeting.
- A straw-poll to know the participants’ preference on the venue for Asia meeting was requested. 
  - Straw poll: The venue for Nov/Dec 2013 meeting will be in
    - (1) Melbourne
    - (2) Tokyo


- Approval of the meeting plan was requested.
- Motion: To approve the venues and schedule for DySPAN-SC meeting in 2013 as follows,
Motion passed by unanimous consent.

Moved by Oliver Holland.
Seconded by Vinh Dien Hoang.
Discussion on the motion: None.
Result: No: 0; Abstain: 0.
Motion passed by unanimous consent.

Item 8: Meeting planning (continued)

8.1 1900.1 Revision PAR approval
- Approval of the 1900.1 revision PAR was requested.
- **Motion:** To approve the 1900.1 revision PAR as indicated in document DCN SC-13-0009-00-MTNG.
  - Moved by Lynn Grande.
  - Seconded by Stanislav Filin.
  - Discussion on the motion: None.
  - Result: Yes: 9, No: 0, Abstain: 1.
  - Motion passed.

8.2 1900.5.2 PAR approval
- Approval of the 1900.5.2 PAR was requested.
- **Motion:** To approve the 1900.5.2 PAR as indicated in document DCN SC-13-0008-01-MTNG.
  - Moved by Stanislav Filin.
  - Seconded by Michael Gundlach.
  - Discussion on the motion: None.
  - Result: Yes: 9, No: 0, Abstain: 1.
  - Motion passed.

Chair Hiroshi Harada thanked all the participants for their active involvement during the meeting. On behalf of the DySPAN-SC members the Chair thanked Lee Pucker and the Wireless Innovation Forum for hosting the meeting.

The meeting was adjourned at 18:00 local time.
### List of Participants

<table>
<thead>
<tr>
<th>Last name</th>
<th>First name</th>
<th>Employer</th>
<th>Affiliation</th>
<th>Opening</th>
<th>Closing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voting member</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Filin</td>
<td>Stanislav</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>2</td>
<td>Grande</td>
<td>Lynn</td>
<td>Southerly Engineering Services</td>
<td>Southerly Engineering Services</td>
<td>x</td>
</tr>
<tr>
<td>3</td>
<td>Harada</td>
<td>Hiroshi</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>4</td>
<td>Holland</td>
<td>Oliver</td>
<td>King’s College London</td>
<td>King’s College London</td>
<td>x</td>
</tr>
<tr>
<td>5</td>
<td>Ishizu</td>
<td>Kentaro</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>6</td>
<td>Tran</td>
<td>Ha Nguyen</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>7</td>
<td>Noguet</td>
<td>Dominique</td>
<td>CEA</td>
<td>CEA</td>
<td>x</td>
</tr>
<tr>
<td>8</td>
<td>Swain</td>
<td>Darcy</td>
<td>MITRE</td>
<td>US DoD</td>
<td>x</td>
</tr>
<tr>
<td>9</td>
<td>Lu</td>
<td>Liru</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>10</td>
<td>Zhang</td>
<td>Xin</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
<tr>
<td>11</td>
<td>Gundlach</td>
<td>Michael</td>
<td>NSN</td>
<td>NSN</td>
<td>x</td>
</tr>
<tr>
<td>12</td>
<td>Hoang</td>
<td>Vinh Dien</td>
<td>NICT</td>
<td>NICT</td>
<td>x</td>
</tr>
</tbody>
</table>

**Non-voting members**

<table>
<thead>
<tr>
<th>Last name</th>
<th>First name</th>
<th>Employer</th>
<th>Affiliation</th>
<th>Opening</th>
<th>Closing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stine</td>
<td>John</td>
<td>MITRE</td>
<td>MITRE</td>
<td>x</td>
</tr>
<tr>
<td>2</td>
<td>Pucker</td>
<td>Lee</td>
<td>WInnF</td>
<td>WInnF</td>
<td>x</td>
</tr>
<tr>
<td>3</td>
<td>Schmitz</td>
<td>Sam</td>
<td>MITRE</td>
<td>MITRE</td>
<td>x</td>
</tr>
<tr>
<td>4</td>
<td>Sherman</td>
<td>Matthew</td>
<td>BAE Systems</td>
<td>BAE Systems</td>
<td>x</td>
</tr>
<tr>
<td>5</td>
<td>Zhu</td>
<td>Hua</td>
<td>Boing</td>
<td>Boing</td>
<td>x</td>
</tr>
<tr>
<td>6</td>
<td>Caicedo</td>
<td>Carlos</td>
<td>Syracuse Univ</td>
<td>Syracuse Univ</td>
<td>x</td>
</tr>
</tbody>
</table>