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| an Working Group | **IEEE DYSPAN-SC 1900.5** |
| Title | ***Meeting minutes 0221 for P1900.5 Monthly Meetings – April 4 to 5, 2018*** |
| DCN | ***5-18-0015-00-mins*** |
| Date Submitted | ***5/7/2018*** |
| Source(s) | ***Carlos***  ***Caicedo (Syracuse University)***  ***email:*** [***ccaicedo@syr.edu***](mailto:ccaicedo@syr.edu) |
|  |  |
| Abstract | ***Minutes for IEEE 1900.5 meetings held on April 4 to 5, 2018 in Annapolis Junction, MD*** |
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**>.**

**April 04/2018 - Minutes**

**1. Administrivia**

**1.a Roll Call**

Meeting starts at 9:05 a.m. EDT. The participants identified in table 1 were noted.

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| --- | --- | --- | --- | --- | --- |
| 4/4/18 | 4/5/18 | WG Status | First Name | Last Name | Affiliation |
|  |  | 15 | Total |  |  |
| X | X | Member | Carlos | Caicedo | Syracuse University (Secretary) |
| X | X | Member | David | Chester | Harris |
| X | X | Member | Lynn | Grande | Self |
|  | X | Member | Colby | Harper | Pathfinder Wireless Corp |
|  |  | Member | Shawn | Kern | SRI International |
|  |  | Member | Nilesh | Khamberkar | Univ. of Buffalo |
| X | X | Member | Mitch | Kokar | VIStology & Northeastern University |
| X | X | Member | Alex | Lackpour | Drexel / NOAA? |
|  |  | Member | Li | Li | Communications Research Centre Canada |
|  |  | Member | V | Prasad | Wireless and Mobile Communication, TU Delft |
| X | X | Member | Tony | Rennier | Foundry Inc |
| X | X | Member | Reinhard | Schrage | SchrageConsult |
| X | X | Member | Mat | Sherman | BAE Systems (Chair) |
| X | X | Member | John | Stine | Mitre |
| X | X | Member | Darcy | Swain-Walsh | Mitre (Vice Chair) |
|  |  |  |  |  |  |
|  |  | Participant | Mark | McHenry | Shared Spectrum Company |
|  | X | Participant | Yuriy | Posherstnik | US Army RDECOM CERDEC |
| X | X | Participant | Thor | Berglie | Shared Spectrum Company |

**1.b. Approval of Agenda**

Motion to approve Agenda from 5-18-0010-01

* Mover: Darcy
* Second: Tony

Adopted by unanimous consent

**1.c. Patent slides / Notes on status**

Patent related slides were presented, no issues came forward

**1.d. Notice of Recent electronic ballots**

Motion: To empower the IEEE 1900.5 leadership to cover expenses for the April 2018 IEEE 1900.5 face to face meeting out of the IEEE 1900.5 treasury up to a cost of $1000.

* Mover: Darcy Swain-Walsh
* Second: Lynn Grande

Closed: Sunday April 1

* 12 APPROVE 0 DISAPPROVE 0 ABSTAIN
* Motion Carried

**1.e. Approval of recent minutes**

Motion to approve WG minutes contained in 5-18-0011-00

* Mover: Tony
* Second: Darcy

Approved by unanimous consent

**2. Status on 1900.5.1**

Reinhard making changes. Discuss in ad-hoc at the end of meeting

**3. Status of 1900.5.2**

* Base Standard complete and with IEEE staff for editing
  + Issue date – 3/18?
  + Draft standard available for purchase. Still waiting for definite standard
* DRAFT 1900.5.2a PAR posted
  + <https://mentor.ieee.org/1900.5/dcn/18/5-18-0003-00-par0-draft-1900-5-2a-amendment-adding-spectrum-consumption-model-schema.pdf>
  + *Waiting for approval*
* Approved by DySPAN-SC and submitted to SASB NESCOM for consideration

**4. Status on Architecture**

* Focus on 1900.5.1 and 1900.5.2a PAR
* Conducting additional architecture activities while not interfering with 1900.5.1/2
  + Goal is PAR to update base 1900.5 standard in next couple of months

**5. Review of other 1900 activities (1900.1, Leadership meeting etc)**

* Leadership meetings

General discussion of activities at DySPAN and new study groups.

* Architecture Study Group

Lynn to lead group

* Machine Learning study group

Alex to lead group

**6. 1900.5 marketing inputs**

* NSC – Status
  + Work in NSC is relevant /synergistic with 1900.5, NSC should communicate more on its outputs in an open forum
* Standards paper in process
  + Communications Magazine
    - 2 papers – 1900.5.1 and 1900.5.2
    - 1900.5.2 paper accepted
  + Paper on 1900.5.2 over VITA 49 Accepted
    - VITA 49 and SCMs
* Need to update website
  + Mat Sherman action but on back burner
* Update to SCMBAT tool V1.1
  + Update available in Github
  + Installation script to automate/simplify installation process to be released in a few weeks.
  + Docker container planned
  + Plan to incorporate code from John’s group in the future.
* General set of DySPAN papers for Publication
  + Issue on standards spectrum magazine
* ISART
  + Propagation in dense urban environments
  + Tony to talk to co-chairs to see how a 1900.5.2 presentation could be relevant to ISART

**7. 1900.5 meeting planning and review**

* 08 May 2018 will be next electronic Meeting
* Matt to post DySPAN schedule
* Ad-hoc on material from Jesse for 1900.5.2 Thursday ad-hoc
* Architecture ad-hoc
  + No plan for ad-hoc at the moment. However, the chair (Matt) will allocate an agenda item in the next WG meetings to discuss any advances from the study groups on :
    - Machine Learning/AI (Alex Lackpour)
    - Architecture (Lynn Grande).

**8. AoB**

None

WG meeting ends at 10:30 a.m. EST. Ad-hoc sessions start at 11 a.m.

**April 04/2018 – 1900.5.1 Ad-hoc meeting**

* Reviewed draft – updated document now in Mentor
* Explanation of why RIF-Core is needed to satisfy language requirements was provided

* Mitch explained SpectralSPARQL, presentation and paper are in Mentor

**April 04/2018 – DSO Presentation**

Yuri and Darci presented DSO’s perspective and needs in terms of standards, technologies, and/or proofs of concepts that promote dynamic spectrum sharing.

**April 05/2018 – 1900.5.2a Ad-hoc**

* Discussion on the extent on which field/data validation and/or completeness features will be incorporated in to the schema. Case in point: Some SCM elements are optional but when used, require other pieces of information.
* Validation of a SCM document’s conformance to the schema must still be tested
* How will number resolution and rounding be handled?
* Use of XPath assertions to validate complex model entries needs to be studied more
* Or just keep it simple to facilitate validation and generation of SCM documents
* Carlos to keep providing updates on XML schema for standard

**April 05/2018 – 1900.5.2a Ad-hoc**

Jesse presented ideas on the need to establish SAS Coexistence using .5.2 and on a Communication protocol for SCM.

* More discussion on protocol needed.