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| Working Group | **IEEE DYSPAN-SC 1900.5** |  |
| Title | ***Meeting minutes 0273 for the P1900.5 Meetings of February 7, 2025*** |  |
| DCN | ***5-25-0009-mins*** |  |
| Date Submitted | ***05/01/2025*** |  |
| Source(s) | ***Eric Lindahl (Sciumo)***  ***email:*** [***eric@sciumo.com***](mailto:eric@sciumo.com) |  |
|  |  |  |
| Abstract | ***Minutes for the IEEE 1900.5 meetings held on February 7, 2025*** |  |
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**1. Administrivia**

**1.a Roll Call**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1/3/2025 | WG Status | First Name | Last Name | Affiliation |
| X | Member | Julia | Andrusenko | Rampart Communications |
| X | Member | Carlos | Caicedo | Syracuse University (Vice Chair) |
|  | Participant | David | Chester | L3Harris |
| X | Member | Brent | Josefiak | L3Harris |
|  | Participant | Mitch | Kokar | VIStology & Northeastern University |
|  | Member | Alex | Lackpour | Drexel University |
|  | Member | Eric | Lindahl | AMT66 |
| X | Member | Reinhard | Schrage | SchrageConsult |
|  | Member | Kael | Stilp | MITRE |
| X | Member | John | Stine | MITRE (Chair) |
|  | Participant | Timothy | Woods | ANDRO Computational Solutions, LLC |
|  | Participant | Daniel | Zahirniak | Joint Electromagnetic Warfare Center (JEWC) |
|  | Participant | Ed | Coyle | Georgia Institute of Technology |
|  | Participant | Karen | Haigh |  |
|  | Member | Shastri | Jayram | University of Johannesburg |
|  | Participant | Sean | Furman | ANDRO Computational Solutions, LLC |
|  | Participant | Joel | Johnson | L3Harris |
|  | Participant | Chad | Lau | L3Harris |
|  | Participant | Jakub | Moskal | Vistology |
|  | Participant | Becca | Rousseau | MITRE |
|  | Member | Tony | Rennier | Foundry Inc. |
|  | Participant | Mark | Silvius | SSC |
|  | Participant | Jesse | Caulfield | Keybridge Wireless |
|  | Observer | Dalisa | Gonzalez | IEEE |
|  | Participant | Yanji | Chen | Google |
|  | Participant | Mohin | Ahmed | HRL |
|  | Participant | Rajesh | Krishan | Self |
|  | Participant | Benjamin | Rolf | Blind Creek Associates (BCA) |
|  | Participant | Jxiaxang | Tang | University of Minnesota |

Attendance: 5

Quorum achieved: Yes (6 members required)

**1.b. Approval of Agenda**

**2/7/25 14:30 – 16:30 ET**

1. Administrivia
   1. Roll Call / Quorum Check
   2. Approve Agenda
   3. Copyright Slides
   4. Patent Slides
   5. Approval of recent minutes
2. Status on 1900.5 Revision
3. Status on 1900.5.1
4. Status on 1900.5.2 Revision
5. Opensource Repository Status
6. Review of other 1900 activities (1900.1, Leadership meeting etc.)
7. Website discussion
8. 1900.5 Marketing Opportunities
9. 1900.5 Meeting Planning and Review
10. AoB

Approval of Agenda from 5-25-001-00-agen

* Mover: Reinhard

Second: Carlos

Vote: UC

**1.c. Copyright slides**

Copyright policy slides were presented. No comments came forward.

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

Patent related slides were presented. No issues came forward

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

* Motion to approve 10/4/24 WG minutes contained in 5-25-0002-00-mins
  + Mover: Reinhard
  + Second: Carlos
  + Vote:
* Motion to approve 11/1/24 WG minutes
  + Mover:
  + Second:
  + Vote:
* Motion to approve 12/6/24 WG minutes contained in 5-25-0002-00-mins
  + Mover: Brent
  + Second: Reinhard
  + Vote:
* Motion to approve 1/3/25 WG minutes contained in
  + Mover:
  + Second:
  + Vote:

**2. Status of 1900.5 Revision**

* 11/1/24
  + Started to put the standard into a template – doing the initial organization of the document and some guidance on clause content
* 12/6/24
  + Started to work from the template. Right worldwide we are in the first section covering terminology. Harmonizing the terminology form the previous 1900.5, 1900.5.1 and 1900.5.2. Done so we can make a basic control set that we can work completely through. Need the terminologies normalized. Sent out a spreadsheet for review of those terms by group members.
* 1/3/25
  + Currently integrating regulatory terminology into a base vocabulary. This is being done for a worldwide spectrum management.
* 2/7/25
  + Making steady progress form a framework perspective. Still under discussion.
  + Material posted for members to review before the meeting on the 14th.

**2. Status of 1900.5 Revision PAR Strategy**

None

**3. Status of 1900.5.1**

* 11/1/24
  + Same state as before. Conducted an additional ad hoc about how procedural and non-procedural components work together. Studying the 1900.5.2 elements on their descriptions of locations and addressing how 1900.5.1 is adaptable to those location definitions
* 12/6/24
  + Registered a paper for DySPAN in London. Will upload a draft onto the iMEET central and will send the link so the group can give feedback.
  + Ad Hoc to be scheduled in the future.
* 1/3/25
  + Working on the syntax of the automatic policy language and will present in the following ad hoc. Supports Lambda Expressions.
* 2/7/25
  + Working on the policies. Started addressing the verification rules in the IEEE 1900.5.2 standard. Identifying how the semantic constraints are met – covered by the ontology or by additional rules. Developed rules for this to demonstrate how to use the 1900.5.1 augmentation.
  + Working on an easy way to define predicates. Looking at how the constraints apply to the predicate.
  + Working on these examples. The syntax already been defined
  + Want to put this in a written form for people to review before presenting it
  + Looking for the next ad hoc to be scheduled on the 21st.

**4. Status of 1900.5.2 Revision**

* 11/1/24
  + Standard was advanced to RevCom. May still have to address reproduction of graphics in the standard.
* 12/6/24
  + Waiting for RevCom Review.
  + Plan amendments to address location of the normative schemas and maybe some other matters
* 1/3/25
  + Standard revision was approved. It is now going through editing
  + Anticipate a PAR and quick amendment to make the schema at the open-source site normative
* 2/7/25
  + No updates

**5. Opensource Repository**

* Lead – Eric Lindahl
* Maintainer – Carlos Caicedo, Becca Rousseau
* 2/7/25
  + Same

**6. Review of other DySPAN-SC activities**

* Met on 21 Jan 25– Did not have quorum so a short meeting
* Treasurer – >$47,407.90 in the account
* Selected updates
  + 1900.1 – Working to get Webex accounts aligned with new leadership. Only one meeting since Reinhard took over
  + 1900.2 – Eric advertised on X and Linked-In to garner participants in the meetings. Presenting at AOC on Feb 4th about encodings and formats for spectrum management.
  + 1900.6 – At the same level of progress. Simply thinking about continuing hoping there is interest
  + 1900.8 – Held an ad hoc in the new year and the official meeting with a contribution to cover a flexible way for data sets to be defined that are highly scalable to the data set authors. They could use our vocabulary,. They are pursuing a more software driven approach where they would import the schema and build a data representation based on that schema and making it compatible with existing tools such as SIGMF. Still making steady process. They divested themselves of some overwhelming software development activities. Theyare focused on SA – spectrum inferencing and interpreting spectrum samples. That is their sweet spot. They carved that out as a doable standard. They are not looking at control. They do not want to take that on right now. It is spectrum SA. Maybe in the future.
* Updating the 1900 web site – not much work has been done
  + Each workgroup has been tasked with updating their specific content
  + The Secretary’s (Alex Lackpour’s) role is to update our web site. Recommended reviewing and editing our website as a word document and he would then make changes based on the word document to the web page
* Potential new projects – Looking at 6G and the importance of spectrum sharing
* DySPAN 2025 will be in London – Oliver is coordinating DySPAN-SC participation

**7. Website**

* [IEEE 1900.5 | DySPAN Standards Committee](https://sagroups.ieee.org/dyspan/ieee-1900-5/)
* [Word version on iMeet](https://ieee-sa.imeetcentral.com/p1900-5/folder/WzIwLDE3MDgwNzczXQ/WzIsODQ4NjE5NjFd/) – volunteers to update
  + Images: Authors
  + Scope: John
  + 1900.5R: Eric
  + 1900.5.1 & 1900.5.1R: Reinhard
  + 1900.5.2 & 1900.5.2R: John Stine

**8. 1900.5 Marketing Opportunities**

* 10/4/24
  + A paper was presented at SECOM. The questions that came up was who is using the standard? Next questions seem relevant to the discussions on the new regulations to make better use of spectrum and make use of spectrum sharing mechanisms. Recommend we find a way to streamline the submission of comments to the FCC.
  + Carlos and John have been invited to present on SCMs at the November SpectrumX Radio Shop Chat
* 11/1/24
  + A Rutgers researcher presented the utility of SCMs to the ORAN Alliance
  + Carlos and John will present SCMs on 6 November at the SpectrumX Radio Shop Chat
* 12/6/24
  + Eric will be presenting to AoC meeting on Information Warfare in Augusta, Ga in February. Presentation will cover an extension to SFAF to exchange 1900.5.2 models.
  + Carlos is submitting a paper on SCMs and spectrum sharing economics
* 1/3/25
  + Eric will reach out to relevant parties
* 2/7/25
  + Carlos has a paper in DySPAN that mentions SCMs

**9. 1900.5 meeting planning and review**

* ~~P1900.5 WG Mtg 1/3/25 0800 ET~~
* ~~P1900.5 Revision Ad-hoc 1/24/25 1300 ET~~
* P1900.5 WG Mtg 2/7/25 1430 ET
* P1900.5 Revision Ad-hoc 2/14/25 1330 ET
* P1900.5.1 Revision Ad-hoc 2/21/25 1300 ET
* P1900.5 Revision Ad-hoc 2/28/25 1300 ET
* P1900.5 WG Mtg 3/7/25 0800 ET

**10. AoB**

* None

Meeting adjourned about 14:15