

# IEEE DySPAN-SC and IEEE 1900 Standards Working Groups: Update for IEEE TCCN Meeting at IEEE ICC 2018

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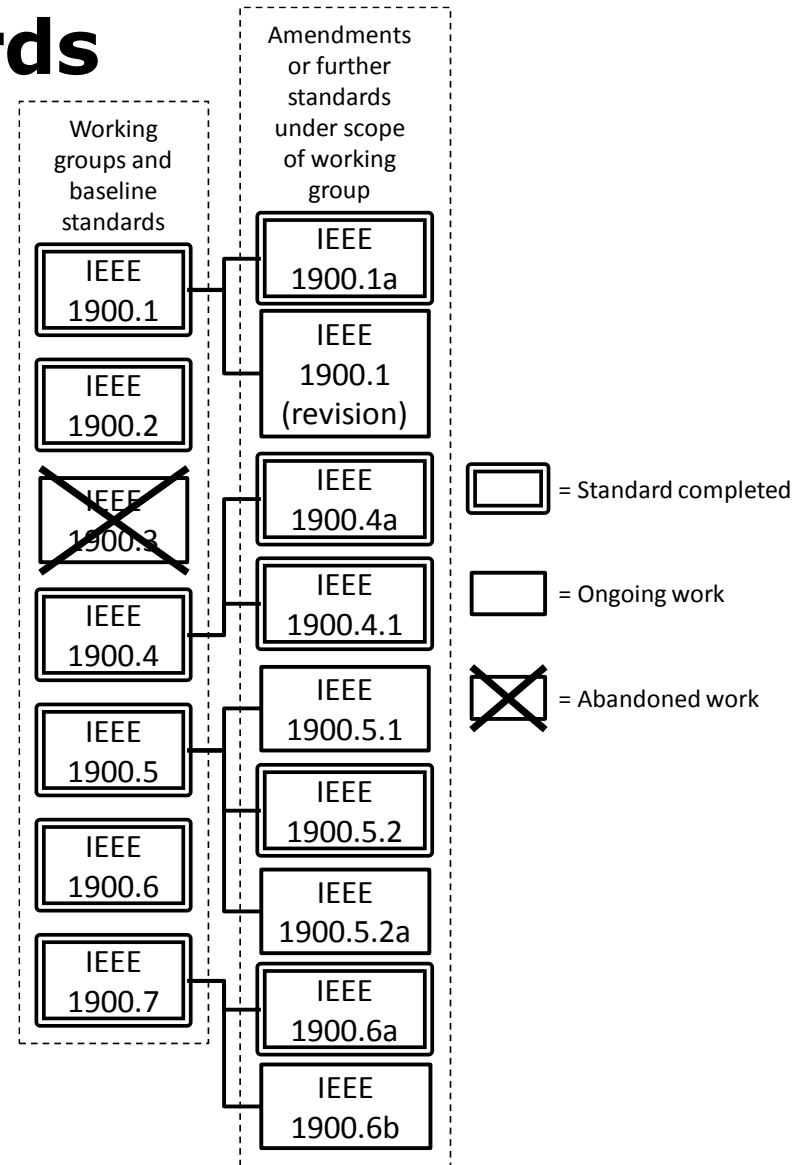
# Structure and Standards

Sponsors IEEE 1900 working groups, covering the area of “Dynamic Spectrum Access Networks” and related technologies

Committee leadership comprises

- Chair: Oliver Holland, King’s College London
- Vice-Chair: Mat Sherman, BAE Systems
- Secretary: Alex Lackpour, NOAA
- Treasurer: Lynn Grande,
- IEEE 1900.1 Chair: Francesco Benedetto, University of Roma “Tre”
- IEEE 1900.2 Chair: Stephen Berger, TEM Consulting
- IEEE 1900.4 Chair: Masayuki Ariyoshi, NEC
- IEEE 1900.5 Chair: Mat Sherman, BAE Systems
- IEEE 1900.6 Chair: Oliver Holland, King’s College London
- IEEE 1900.7 Chair (Acting): Apurva

Mody, BAE Systems



# Status of Recently-Active Groups

## IEEE 1900.1

- Work on a revision of the IEEE 1900.1-2008 standard, considering all aspects: Updates to (incl. new/deleted) terms/definitions, supporting materials (e.g., explanatory material on the relationship between concepts), structuring, etc.
- Completed consideration of revised/new terms/definitions; currently considering annexes
- Second extension of PAR and tentatively aiming for completion early 2019

## IEEE 1900.4

- Currently in hibernation pending new work items or revision of its current published IEEE 1900.4, 1900.4a, and 1900.4.1 standards

## IEEE 1900.5

- Work continues on 1900.5.1 standard, "Policy Language for Dynamic Spectrum Access Systems", started in December 2011. PAR expires December 2019 (extended). First Internal Letter Ballot complete; comments/draft being revised
- 1900.5.2 "Standard Method for Modeling Spectrum Consumption" completed, including Sponsor Ballot IEEE-SA Revcom approval; with IEEE staff for final editing before publication
- 1900.5.2a PAR "Spectrum Consumption Modelling Schema" submitted to NesCom and approved in 1 May NesCom meeting, until December 2022

# Status of Recently-Active Groups

## IEEE 1900.6

- Working on 1900.6b amendment standard on sensing support for spectrum databases (e.g., geolocation databases in the TV white space case, SAS in CBRS case, or more general databases, etc.)
- Completed first draft and first internal letter ballot prepared; comments being addressed and revision draft being produced

## IEEE 1900.7

- 1900.7-2015 published in February 2016
- Considering and has internally approved (also approved at DySPAN-SC level) a new project (IEEE P1900.7a) as an amendment standard on advanced QoS considerations including MAC/PHY developments supporting those
- Has appointed new Acting Chair (Dr. Apurva Mody, BAE Systems)
- However, very uncertain if there is impetus/need to get new project underway, and currently looks likely to be going in to hibernation

# Upcoming Meetings and Links to Contribute

Business is currently held by face-to-face meetings, and letter ballots where necessary. Upcoming face-to-face meetings:

- Rome, Italy, July 23-26 (may be reduced to only July 23-25)
- Far-East/Asia, Late Nov./Early Dec., location/dates TBD

For further information, please visit: [www.dyspan-sc.org](http://www.dyspan-sc.org), or contact:

- Oliver Holland, DySPAN-SC Chair and ComSoc Standards Liaison, [oliver.holland@kcl.ac.uk](mailto:oliver.holland@kcl.ac.uk)
- Mat Sherman, DySPAN-SC Vice-Chair, [matthew.sherman@baesystems.com](mailto:matthew.sherman@baesystems.com)
- Alex Lackpour, DySPAN-SC Secretary, [alackpour@gmail.com](mailto:alackpour@gmail.com)
- Lynn Grande, DySPAN-SC Treasurer, [lynnggrande@hotmail.com](mailto:lynnggrande@hotmail.com)
- ...Or the associated working group Chair(s): 1900.1 – Francesco Benedetto, [francesco.benedetto@uniroma3.it](mailto:francesco.benedetto@uniroma3.it); 1900.4 – Masayuki Ariyoshi, [m-ari@ieee.org](mailto:m-ari@ieee.org); 1900.5 – Mat Sherman, [matthew.sherman@baesystems.com](mailto:matthew.sherman@baesystems.com); 1900.6 – Oliver Holland, [oliver.holland@kcl.ac.uk](mailto:oliver.holland@kcl.ac.uk); 1900.7 – Apurva Mody, [apurva.mody@baesystems.com](mailto:apurva.mody@baesystems.com)

**Thank you!**