

# IEEE DySPAN-SC and IEEE 1900 Standards Working Groups: Update for IEEE TCCN Meeting at IEEE Globecom 2017

Oliver Holland, King's College London

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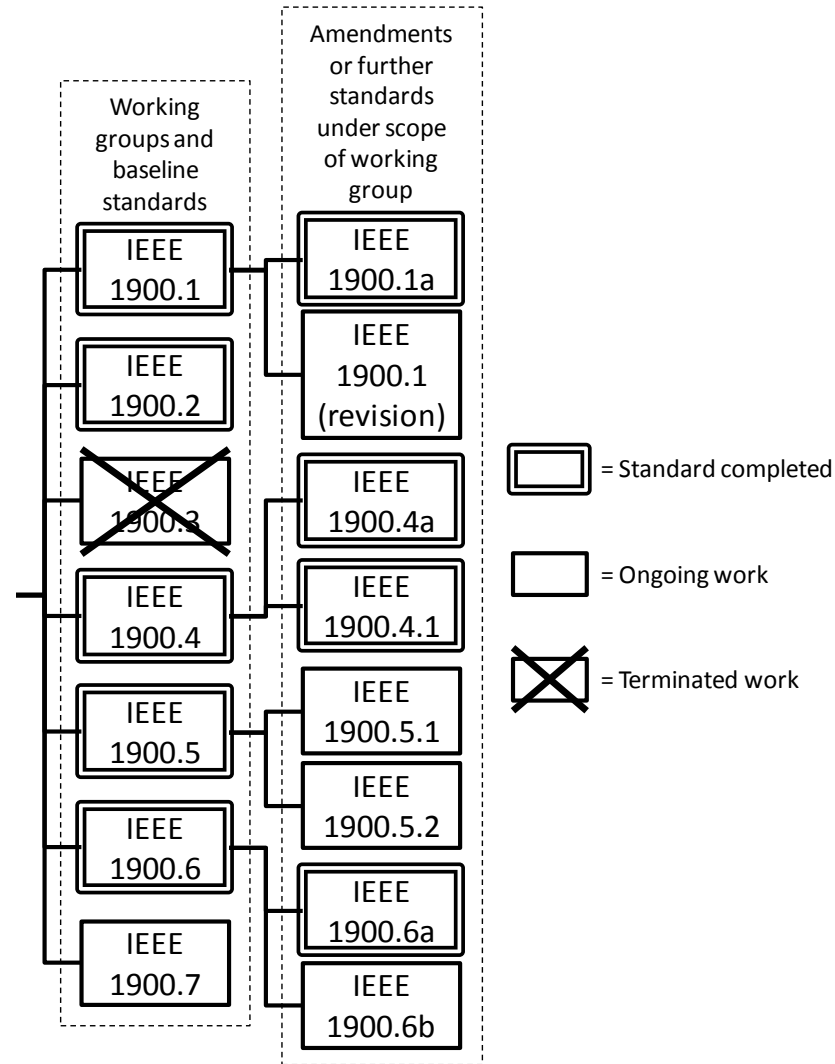
Singapore

# Introduction to DySPAN-SC

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

Committee leadership comprises

- Chair: Hiroshi Harada, University of Kyoto and NICT
- Vice-Chair: Oliver Holland, King’s College London
- 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

## IEEE 1900.1

- Continuing work on a revision of the IEEE 1900.1-2008 standard, considering all aspects: Updates (incl. new/deleted) terms/definitions, updates to supporting materials (e.g., explanatory material on the relationship between concepts), updates to structuring, etc
- Completed consideration of revised/new terms/definitions; currently considering annexes
- Extended PAR and tentatively aiming for a first complete draft as early as possible in 2018

## 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”, started in March 2013. Completed (including Sponsor Ballot) and submitted to IEEE-SA Revcom for publication consideration

# Progress Since Last Report

## 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; 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, uncertain if there is impetus to get new project underway, and currently looks likely to be going in to hibernation

# Upcoming Meetings and Links to Contribute

Upcoming meetings currently to be defined

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

- Hiroshi Harada, DySPAN-SC Chair/Secretary, [hiroshi.harada@i.kyoto-u.ac.jp](mailto:hiroshi.harada@i.kyoto-u.ac.jp)
- Oliver Holland, DySPAN-SC Vice-Chair and ComSoc Standards Liaison, [oliver.holland@kcl.ac.uk](mailto:oliver.holland@kcl.ac.uk)
- ...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!**