

Collective Views of the Wireless SDN BOF Meeting of 2014-01-23

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Re:

Wireless SDN BOF meeting of 2014-01-23

Purpose:

This document represent the agreed views of the Wireless SDN BOF meeting of 2014-01-23 at the IEEE 802 Wireless Interim

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Overview

- This document represents the collective views of individuals participating in the following meeting:
 - Wireless SDN BOF (“Birds of Feather”) meeting
 - 2014-01-23, 8:00-10:00
 - IEEE 802 Wireless Interim
 - Los Angeles, California, USA
 - agenda: <http://tinyurl.com/W-SDN20140123>
 - attendance: approximately 30

Meeting purpose

- Followup to IEEE tutorial:
 - “Wireless SDN in Access and Backhaul”
 - 2013-11-12, 18:00-19:30
 - IEEE 802 Plenary Session
 - Dallas, Texas, USA
- Intention
 - technical review of tutorial
 - discussion regarding next steps

Meeting views

- Software-Defined Networking (SDN) is relevant to many IEEE 802 standards and projects
 - wireless
 - wired
- Coordinated cross-802 activity may be valuable in the next year
- Coordinated communications are recommended

Open Networking Foundation (ONF)

- The work of the ONF, particularly OpenFlow, is significant and relevant to IEEE 802 activities in SDN
- Both the Chair (Serge Manning) and Vice Chair (Paul Congdon) of the ONF Wireless and Mobile Working Group (WMWG) provided presentations at the IEEE 802 Wireless SDN tutorial of 2013-11-12
- WMWG Vice Chair Congdon presented a WMWG Status Update to the Wireless SDN BOF of 2014-01-23.
- WMWG Secretary Perkins presented a summary of IEEE 802 Wireless Use Cases to the Wireless SDN BOF of 2014-01-23.
- The meeting participants deeply value and appreciate the communication efforts of the ONF officers.

Past IEEE 802 Interactions with ONF

- IEEE 802 groups (802.16 and OmniRAN Study Group) have submitted formal communications to ONF in 2013
- Three IEEE 802 groups (802.16, 802.21, and OmniRAN Study Group) have contributed toward the development of use cases for the ONF Wireless and Mobile Working Group
 - all have been incorporated into the set of use cases considered by ONF

Future IEEE 802 Interactions with ONF

- Working cooperation between IEEE 802 groups and the ONF WMWG will be valuable.
- The interested IEEE 802 groups should form an informal SDN coordinating team to address high-level issues in common.
- The team should initially provide a point of contact (a mailing list) to whom the WMWG can conveniently communicate.
 - The IEEE 802.16 WG should establish a standing committee and mailing list for temporary communications for this purpose, with open membership to the list.
 - note: list stds-802-16-sdn@listserv.ieee.org is being initiated

Important Practical Considerations for Future IEEE 802 Interactions with ONF

- Cooperation may be most effective if IEEE 802 projects interact directly with Use Case Project Teams to which the standardization activities are technically relevant.
- Successful cooperation requires exchange of information on project scope, technical issues, methods of work, deadlines, etc.
- It is important to identify the conditions under which IEEE 802 participants may interact with WMWG without ONF membership status, including IPR considerations.
- Formal liaison relationships may be appropriate.

IEEE 802 SDN BOF Followup Meetings

- A followup BOF meeting should be scheduled during the March IEEE 802 Plenary, with a teleconference facility.
- The March meeting should agree on future meeting plans.

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