

IEEE 802.1 OmniRAN TG
Status Report
to IEEE 802 WGs

2015-09-17

IEEE 802.1 OmniRAN TG Resources

- OmniRAN TG maintains a Wiki page on mentor to reflect its status and achievements
 - <https://mentor.ieee.org/omniran/bp/StartPage>
 - Also showing meeting announcements and conference call dial-in information
- OmniRAN filespace on mentor is used for contributions and meeting documents
 - <https://mentor.ieee.org/omniran/documents>
- FYI: OmniRAN P802.1 PAR
 - <https://development.standards.ieee.org/get-file/P802.1CF.pdf?t=81644900003>

OmniRAN TG Achievements

Bangkok (TH) meeting, Sept 14th – 17th

- Review and discussion of new contribution on Network Setup for unlicensed spectrum
 - Several issues identified and revision invited for review and acceptance in next confcall.
- Review of draft document for P802.1CF
 - Discussion and resolution of 35 technical comments
 - Further input requested for upcoming confcall in order to prepare for next revision of draft document.
- Special session on OmniRAN support for ‘802.11 as a component’
 - 2 contributions discussed
 - summary of discussion on next two slides
- Review of P802.1CF project plan
 - Contributions for ‘Functional decomposition and description’ chapters still in development.
 - Creation of initial Draft P802.1CF document after Jan 2016 meeting
 - Assumed timeline within current scope:
initial TG ballot March 2016, LB Nov 2016, SB Jul 2017

OmniRAN TG Discussions

'802.11 as a component'

- Special 2hrs session on Sept. 16th
 - Well attended by industry (14 organizations)
- 2 presentations
 - WLAN as a Component (WaaC)
 - Yonggang Fang (ZTETX)
 - <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0043-01-CF00-wlan-as-a-component.pptx>
 - Introduces a new perspective on discussion that essentially a WLAN RAN may be required to successfully introduce 802.11 to 5G
 - Radio Interface Component from an OmniRAN perspective
 - Max Riegel (Nokia Networks)
 - <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0044-01-CF00-radio-interface-component.pptx>
 - Showed that OmniRAN approach provides both, a model for a 802.11 radio component as well as a 802.11 Radio Access Network.
 - No consensus on how to treat terminals in the component discussions.

OmniRAN TG Discussions

'802.11 as a component'

- Conclusion of the discussions
 - Agreement that there is an opportunity to define a new set of interfaces to address the 5G requirements for inclusion of IEEE 802.11
 - This work would result in an 802.11 Radio Access Network (RAN).
 - OmniRAN P802.1CF could potentially provide the network architecture (Stage 2) for this RAN.

Looking forward to next session in Dallas, November 9-12, 2015

- Envisioned topics:
 - Comment resolution on P802.1CF draft text
 - Further contributions on open sections
 - Continue discussions on 802.11 as a component
 - Radio Interface or Radio Access Network
- Conference call:
 - September 29th, 10:00 AM ET
 - Dial-in details on OmniRAN TG Wiki page on mentor <https://mentor.ieee.org/omniran/bp/StartPage>
 - Review contributions invited in Sept meeting to conclude on next draft text revision