IEEE 802.1 OmniRAN TG Status Report to IETF – IEEE 802 Coordination

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IEEE 802.1 OmniRAN TG Resources

• OmniRAN TG maintains a Wiki page on mentor to reflect its status and achievements
  – Also showing meeting announcements and conference call dial-in information

• OmniRAN filespace on mentor is used for contributions and meeting documents

• FYI: OmniRAN P802.1 PAR
OmniRAN TG P802.1CF Status

• First draft (editor’s draft) under preparation
  – Editor assigned and active to create first draft document
  – Still quite some content missing
  – Text available on Network Reference Model, Network Discovery and Selection, and SDN Abstraction
  – Text proposed for Dynamic Spectrum Management
  – Outline and thoughts for Data Path chapter
  – Contributions wanted for Association, Authentication, Authorization, and Accounting
  – Approach defined to cover privacy aspects within specification

• Next steps (July IEEE 802 Plenary):
  – Continuation of work on P802.1CF draft
  – Further discussions on applicability of P802.1CF
    • Primarily IEEE 802 networks providing MAC service (IEEE 802.1AC)
    • Reaching out to networks not based on IEEE 802 PHYs, e.g. MSO, DSL
    • Also covering modern SDN approaches for Network Virtualization
  – Contribution to tutorial in July F2F on ‘IEEE 802.11 as component’
    • Presentation of generic modeling approach in P802.1CF for network components deploying IEEE 802 technologies
P802.1CF Draft ToC

- Introduction and Scope
- Abbreviations, Acronyms, Definitions, and Conventions
- References
- Identifiers
- Network Reference Model
  - Overview
  - Reference Points
  - Access Network Control Architecture
    - Multiple deployment scenarios including backhaul
- Functional Design and Decomposition
  - Dynamic Spectrum Access
  - Network Discovery and Selection
  - Association and Disassociation
  - Authentication and Trust Establishment
  - Datapath establishment, relocation and teardown
  - Authorization, QoS and policy control
  - Accounting and monitoring
- SDN Abstraction
- Annex:
  - Privacy Engineering
  - Tenets (Informative)