# 802 Technical Plenary summary

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# Goals for 802 architecture discussion

- Highlight the revision project
- Level-set on the goals of IEEE Std 802 Overview and Architecture
- Level-set on the architectures of the 802 family of standards
- Input to EC workshop on "802 Architecture and Technical Coherence"

# Agenda

- P802-REVc process plan              - Paul Congdon
- Goal of 802 architecture discussion    - Glenn Parsons
- 802.1 architecture                          - Mick Seaman
- 802.3 architecture                          - George Zimmerman
- 802.11 architecture                        - Dorothy Stanley
- 802.15 architecture                        - Clint Powell
  - Subsequent joint 802.1/802.15 discussion actioned creation of summary per 802.15 MAC/PHY – starting with TG4 and TG6

# Observations

- WG architecture is
  - In Std 802 – and RM is mapped to clauses
  - In WG Std – and is mapped to Std 802 and 802.1Q, 802.1AC, 802.1X, …
  - In 802.1 Stds – 802.1AC, 802.1Q, 802.1AX, 802.X, 802.1AE, 802.1AS, 802.1CB with MAC address in Std 802
- Perhaps the architecture is per the CSD Compatibility criteria
  - "…conformance with IEEE Std 802, IEEE 802.1AC, and IEEE 802.1Q."
  - That is, 802.1 support is "assumed"
- Do we need one common language (aka terminology set)?
  Or is multiple languages with a mapping workable?
- Networking convergence can on the MAC layer or the IP layer
- P802-REVc should focus on just being a maintenance rollup

# IEEE Std 802 – abridged table of contents

- Family of IEEE 802 standards
- Reference models
- General requirements for an IEEE 802 network
- IEEE 802 network management
- MAC addresses
- Protocol identifiers
- Allocation of OID values
- Allocation of URN values

# What is the 802 family?

- A history
  - Since 1980
- A grouping
  - That shares common addressing, management, …
- A hierarchy
  - Dot groups, task groups, study groups, …
- A brand
  - IEEE 802™
- A market segment
- …