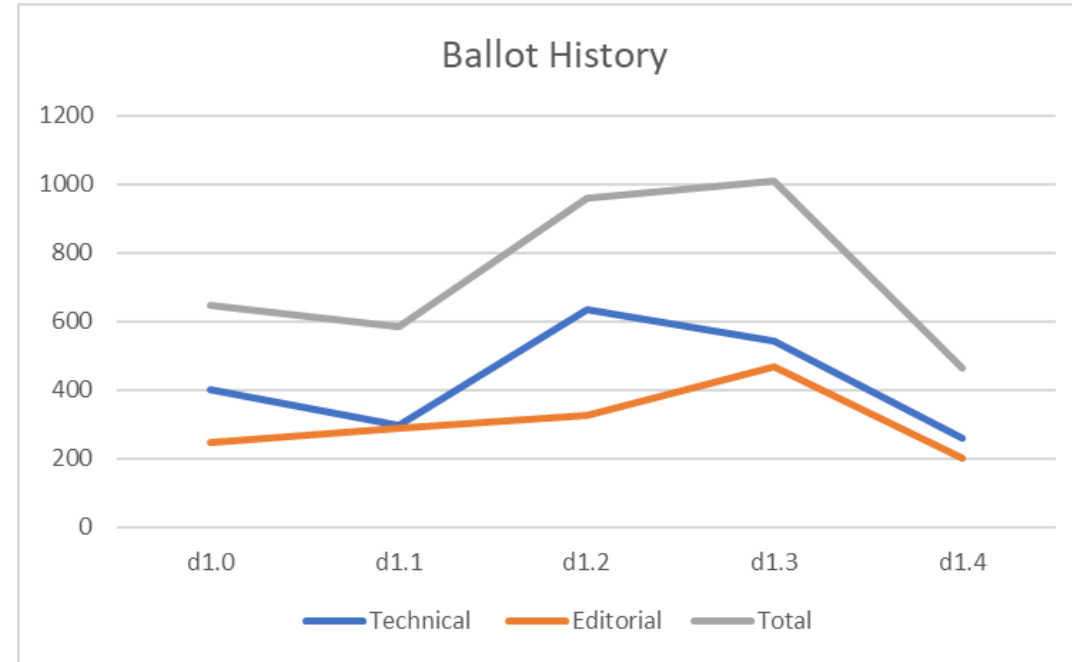# 60802 Ballot History and Project Update

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IEEE 802 Plenary
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Ballot History

60802 Draft	Technical	Editorial	Total
d1.0	400	247	647
d1.1	295	289	584
d1.2	636	324	960
d1.3	541	469	1010
d1.4	259	203	462

Status

- High interest in the project even from application areas beyond industrial automation.

- This high interest resulted in many comments, causing comment resolution to take longer than anticipated.

- Analysis and development of complex topics, such as time synchronization is taking longer than expected.

- Several gaps identified in base IEEE 802 standards, resulting in new projects and/or maintenance items
  - P802.1ASdm
  - P802.1Qdj
  - 60802 PAR Modification

- Aligning the processes of IEEE SA, IEEE 802, and IEC is time consuming.

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Major New Features

- Management NETCONF/YANG
  - PAR Modification: "This document also specifies YANG modules defining read-only information available online and offline as a digital data sheet."
  - Dependencies: "This standard will use the configuration enhancements being specified by IEEE P802.1Qdj"
  - YANGsters Group: Consistency issue of YANG database when used by multiple Users raised.
  - IEEE 802.3 new YANG module for LLDP extension – work to be started
- Security
  - IEEE 802.1AR profile for secured device identity.
  - YANG for Remote Access Authorization.
- Time Synchronization
- IEEE 802.1AS Enhancement projects to support industrial automation objectives.
  - Hot Standby
  - YANG configuration
  - Synchronization accuracy over 100 hops
- Cut Through Forwarding – new project to be started.

Thank you