

Fault-Managed Power Ethernet Powering Techniques Call For Interest Opening Report

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CFI Announcement

Providing power along with Ethernet data via Power Over Ethernet (PoE) has fueled an expansion of networked devices and an ever-increasing demand for more power. PoE was specified such that it could comply with IEC 60950-1 (now IEC 62368-1) Limited Power Source (LPS) requirements, which align with Class 2 requirements in NFPA 70 (National Electrical Code). Recent developments in fault detection methods enable power delivery at higher voltages with techniques that limit energy into a fault, known as Fault Managed Power (FMP), which aligns with Class 4 power in NFPA 70. **The addition of FMP to Ethernet powering techniques, including potential modifications to Ethernet PHYs, enables greater power delivery, longer range, and increased efficiency for networked devices.** This call for interest is to request the formation of a "Fault-Managed Power Ethernet powering techniques" study group.

CFI Consensus Building Meeting

- Meeting held in Plaza BC from 20:00 to 21:30 PT Tuesday 10 March, details can be found on the [call and meeting calendar](#)
- The vote to determine whether a Study Group will be formed will take place at the IEEE 802.3 WG Closing Plenary on the afternoon of Thursday, 12 March 2026
- I would be happy to speak with anybody (in person or remote; please contact me at cmjones@cisco.com for remote) to address questions or concerns
- I would be happy to add anybody who wishes to be listed as a supporter
 - You must ask to be a supporter before the motion to form the Study Group is considered
- CFI deck can be found on the March 2026 plenary minutes page

Questions?

Thank you!