# IEEE P802.3dt Ethernet Metadata Services
# Closing Plenary Report

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Bangkok, Thailand

12 November 2026

# IEEE P802.3dt Ethernet Metadata Services Project information

## Task Force Organization

Gary Nicholl, IEEE P802.3dt Task Force Chair

John D'Ambrosia, IEEE P802.3dt Task Force Secretary

Eugene Opsasnick, IEEE P802.3dt Chief Editor

Viet Tran, IEEE P802.3dt Editor

Ulf Parkholm, IEEE P802.3dt Editor

## Task force web and reflector information

Reflector information: https://www.ieee802.org/3/EMS/reflector.html

Home page: https://www.ieee802.org/3/dt/

PAR: https://www.ieee802.org/3/dt/projdoc/P802.3dt_PAR.pdf

CSD: https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0040-00-ACSD-p802-3dt.pdf

Objectives: https://www.ieee802.org/3/dt/projdoc/objectives_ems_260217.pdf

Adopted Timeline: https://www.ieee802.org/3/dt/projdoc/timeline_3dt_2607_adopted.pdf

Private Area: https://www.ieee802.org/3/dt/private/index.html

# Activities This Week

- Meeting page: https://www.ieee802.org/3/dt/public/26_11/index.html
- Met AM1 on Wednesday
  - Reviewed a single comment against the PAR modification request from 802.11 and approved the response: https://www.ieee802.org/3/dt/public/26_11/nicholl_3dt_01_2611.pdf
  - Approved the updated PAR modification request per: https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0257-02-LMSC-ieee-p802-3dt-draft-par-modification-request.pdf

# PAR comment from 802.11

## Comment received from 802.11

**Comment:**

- 5.2.b Scope
  - Expand the acronym “SFD”

**Proposed Response:**

The correct expansion of SFD is 'start-of-frame delimiter', based on subclause 1.5 'Abbreviations' of the base standard IEEE Std 802.3-2022.

- In 5.2.b, change the text from “... and SFD fields ...” to “... and start-of-frame delimiter (SFD) fields..”

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Ref: https://www.ieee802.org/3/dt/public/26_11/nicholl_3dt_01_2611.pdf

Ref: Updated PAR modification request

Layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium and supported link length. Other specified capabilities include: control and management protocols, and the provision of power over selected twisted pair PHY types.

**5.2.b Scope of the project:** The scope of the project is the specification of additions and modifications to IEEE Std 802.3 to support the optional exchange of metadata through a physical layer service access point transferred: 1) in the preamble and start-of-frame delimiter (SFD) fields of packets, ~~or~~ 2) in physical layer ordered sets, for MAC data rates greater than or equal to 50Gb/s, independent of packets.

**Change to scope of the project:** The scope of the project is the specification of additions and modifications to IEEE Std 802.3 to support the optional exchange of metadata through a physical layer service access point transferred: 1) in the preamble ~~field~~ and start-of-frame delimiter (SFD) fields of packets, or 2) in physical layer ordered sets, for MAC data rates greater than or equal to 50Gb/s,

Clean version

Compare version
(against currently approved PAR)

# WG Motion

| | |
|---|---|
| Motion | Move that the IEEE 802.3 Working Group approve the IEEE P802.3dt PAR Modification Request per:<br><br>https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0257-02-LMSC-ieee-p802-3 dt-draft-par-modification-request.pdf |
| Moved by: | Gary Nicholl |
| Second by: | Eugene Opsasnick |
| Technical (>= 75%) | |
| Results 802.3 (y/n/a) | |

# WG Motion

| | |
|---|---|
| Motion | Move that the IEEE 802.3 Working Group progress the IEEE P802.3dt draft to Working Group Ballot |
| Moved by: | Gary Nicholl |
| Second by: | Eugene Opsasnick |
| Technical (>= 75%) | |
| Results 802.3 (y/n/a) | |

# Future Plans

- Assuming approval:
  - Generate D2.0
  - Initial WG Ballot opens (estimated): 13 November 2026
  - Initial WG Ballot closes (estimated): 13 December 2026

- Tentative January Series Electronic Meetings:
  - Comment resolution against D2.0 and supporting contributions
  - 13-14 January 2027 teleconferences
  - Meet during week of 18 January, 802.3 WG Interim week, Savannah, GA, USA

# Questions?

Thank you!