

IEEE P802.3dt Ethernet Metadata Services Closing Plenary Report

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Montreal, QC
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IEEE P802.3dt Ethernet Metadata Services

Project information

Task Force Organization

David Ofelt, IEEE P802.3dt Task Force Chair

Gary Nicholl, IEEE P802.3dt Task Force Secretary

Eugene Opsasnick IEEE P802.3dt Chief 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

Timeline: <https://www.ieee802.org/3/dt/>

(no private area available yet)

Activities This Week

Meeting page: https://www.ieee802.org/3/dt/public/26_07/index.html

Discussed and adopted a project timeline

Discussed issue where modifying the SFD was left out of the PAR

The group adopted a new PAR

Will handle at the WG level at the November plenary

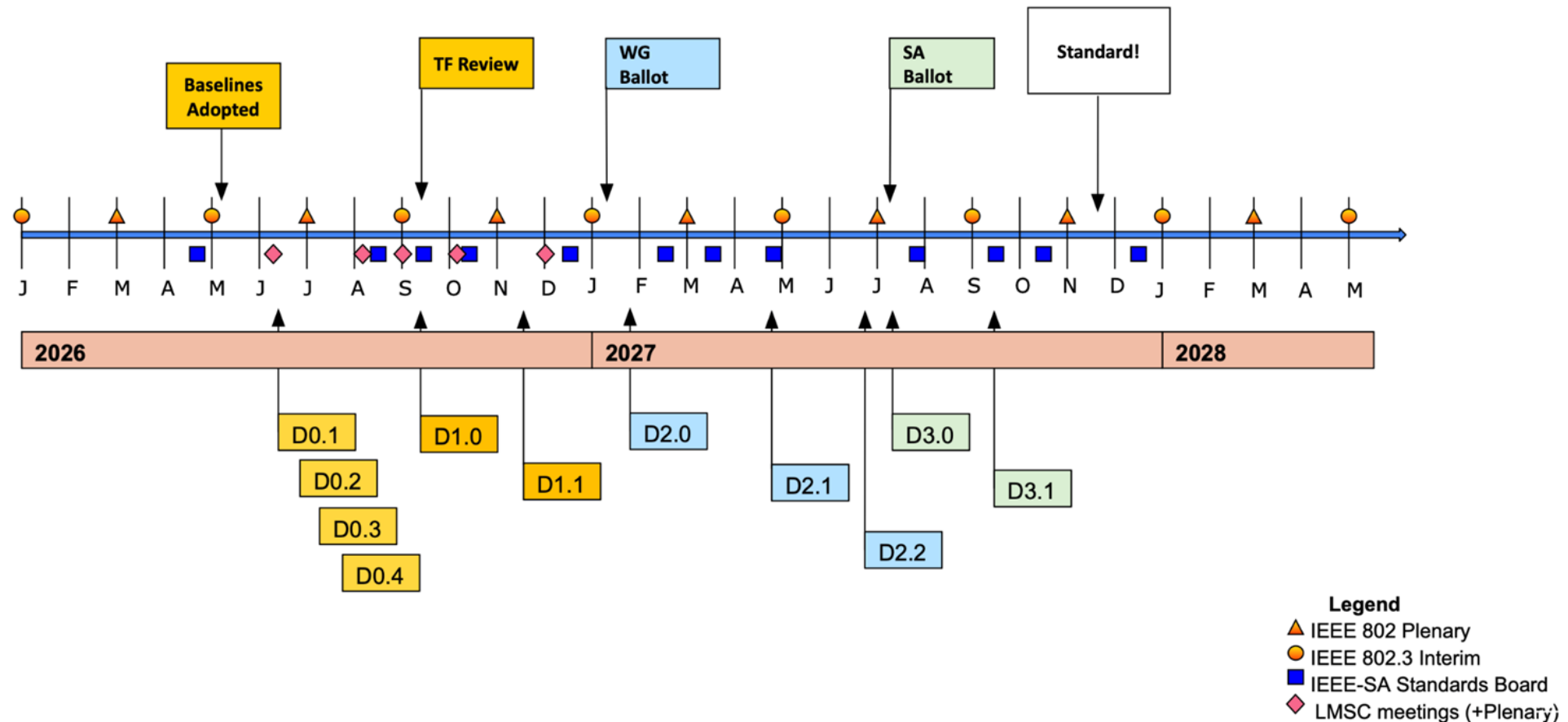
Chief Editor gave an overview of the current draft

Presentation and discussion on changing the preamble size

IEEE P802.3dt Ethernet Metadata Services

Adopted timeline

Proposed IEEE 802.3dt Timeline



Objectives

Adopted IEEE P802.3dt Objectives

Support full-duplex operation only

Preserve the IEEE 802.3/Ethernet frame format (see IEEE Std 802.3 subclause 3.1.1) at the MAC client service interface

Preserve the minimum and maximum Frame Size of the current IEEE 802.3 standard

~~Define an optional Per-packet metadata service**~~

Define an optional per-packet and packet-independent metadata services** and associated modifications to the physical layers using the:

- 50GBASE-R PCS defined in Clause 133 *
- 100GBASE-R PCS defined in Clause 82, which use FECs defined in Clauses 91 and 161
- 200GBASE-R PCS defined in Clause 119
- 400GBASE-R PCS defined in Clause 119
- 800GBASE-R PCS defined in Clause 172
- 1.6TBASE-R PCS defined in Clause 175

* Approved by IEEE 802.3 WG 14 Nov 2025

** TF adopted 12 May 2026- Pending WG approval

Motion

Move to adopt the changes to the objectives shown in
https://www.ieee802.org/3/dt/projdoc/objectives_ems_260512.pdf

Moved on behalf of the task force
Technical ($\geq 75\%$)

Y: N: A:

Future Plans

Need to:

- Finish making the PAR changes official

- Produce D1.0

 - Release around September interim

 - Comment resolution at November plenary

Questions?

Thank you!