

802.1D withdrawal

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IEEE Std. 802.1D-2004

- All relevant content from .1D is contained in .1Q
 - This was concluded with the [2013 revision PAR](#) for 802.1Q
 - Merged IEEE Std 802.1D with IEEE Std 802.1Q in order to create a single bridging standard
 - [IEEE 802.1Q-2018](#)
 - [IEEE/ISO/IEC 8802-1Q-2020](#)
- Already withdrawn or superseded
 - IEEE 802.1D-1993 – superseded in 1998
 - [ISO/IEC 10038:1993](#) – withdrawn in 1998
 - [IEEE 802.1D-1998](#) – superseded in 2004
 - [ISO/IEC 15802-3:1998](#) – withdrawn in 2019
- Currently administrative withdrawal will happen at the end of 2021
 - [IEEE 802.1D-2004](#)

Proposed plan

- Correct the SA database to indicate that IEEE Std 802.1D-2004 was superseded by IEEE Std 802.1Q-2014.
 - [IEEE SA website](#) [myProject](#) [Xplore](#) [Techstreet](#)
 - Initiate with an 802.1 WG and 802 EC motion in July 2021
- Update 802.1 WG pages to indicate 802.1D-2004 has been superseded
 - Also include some history on revised [802.1D webpage](#)
- Update 802.1Q PICS to allow MAC Bridge (aka 802.1D) proforma as Clause 5 conformance defines
 - [P802.1Qrev](#) [Maintenance #232](#)

Outstanding references to 802.1D?

- A web search indicates there may be given these hits
 - 1 million total hits
 - ~2000 in IETF RFCs.
 - ~1800 in 3GPP TR & TS.
 - ~200 in IEEE standards.
 - ~100 in CableLabs specs.
 - ~60 in ITU-T Recommendations
 - ~60 in MEF technical standards
 - ~30 in ISO standards
- These should be studied to ensure no adverse effects from withdrawal
 - Liaisons sent to originating SDO in November 2020

IEEE 802 standards

Standard	Normative	Informative	Textual	Clauses
IEEE 802-2004	X			4.4, 5.3.2.1, 5.3.2.4, 8.2.4
IEEE 802.1BA-2011			X	5
IEEE 802.1BR-2012		X		6.10.1
IEEE 802.1Q-2018		X		3.250, 17.2.2, 17.2.4, 17.3.2.2, 17.3.2.3, 17.7, G.3, P.1,
IEEE 802.3-2018	X			1.4.163, 1.4.401, 1.4.465, 2.3.1, 2.3.2.5, 31B.1, 31D.1, 64.3.2.3, 67.1, 77.3.2.3, 57A.3
IEEE 802.3.1-2013	X			9.1.1.5, 9.1.2, 9.3.4, 9.6
IEEE 802.11-2016		X		5.1.1.2, 9.4.2.31, 10.2.4.2, 14.11.1, M.4, R.3.3, S.2.1
IEEE 802.11ak-2018			X	3.2, 4.5.3.3, 5.1.1.2, 14.11.1, M.4, R.3.4
IEEE 802.15.3-2016			X	B.3
IEEE 802.16-2017	X			5.3, 11.13.18.3.3.11

- Superseded standards not included

IEEE 802.3 maintenance requests

- Change references in 802.3-2018 to 802.1Q or 802.1AC
 - https://www.ieee802.org/3/maint/requests/maint_1382.pdf
- Change references in 802.3.1-2018 to 802.1Q
 - https://www.ieee802.org/3/maint/requests/maint_1383.pdf

IEEE 802.11-2020

Change references to 802.1Q or 802.1AC

- 802.1D ISS -> 802.1AC ISS
 - 3.2, 4.5.3.3, R.3.3
- 802.1D user priority -> ???
 - 5.1.1.2, 9.4.2.30, 10.2.3.2
- 802.1D or 802.1Q bridge -> 802.1Q
MAC or VLAN bridge
 - M.4
- 802.1D spanning tree -> 802.1Q
spanning tree protocols
 - S.2



R.3.3 QoS mapping and GLK

Priority code point	UP	UP	Priority code point
7	7	7	7
6	6	6	6
5	5	5	5
4	4	4	4
3	3	3	3
2	3	0	0
0	0	2	1
1	1	1	1