

Section Three -- Includes Clause 34 through Clause 43 and Annex 36A through Annex 43C. Section Three includes general information on 1000 Mb/s operation as well as most of the 1000 Mb/s physical layer specifications.

Section Four -- Includes Clause 44 through Clause 55 and Annex 44A through Annex 55B. Section Four includes general information on 10 Gb/s operation as well as most of the 10 Gb/s physical layer specifications.

Section Five -- Includes Clause 56 through Clause 74 and Annex 57A through Annex 74A. Clause 56 through Clause 67 and associated annexes specify subscriber access physical layers and sublayers for operation from 512 kb/s to 1000 Mb/s, and defines services and protocol elements that enable the exchange of IEEE Std 802.3 format frames between stations in a subscriber access network. Clause 68 specifies a 10 Gb/s physical layer specification. Clause 69 through 74 and associated annexes specify Ethernet operation over electrical backplanes at speeds of 1000 Mb/s and 10 Gb/s.

IEEE Std 802.3at™–200X

This amendment includes changes to IEEE Std 802.3–200X to augment the capabilities of the IEEE Std 802.3 standard with higher power levels and improved power management information.

IEEE Std 802.3av™–200X

This amendment includes changes to IEEE Std 802.3–200X and adds Clauses 75 through 77 and Annex 76A. This amendment adds new Physical Layers for 10 Gb/s operation point-to-multipoint passive optical networks.

Draft revision history for P802.3av

Draft	Date	Comment
<i>D1.0</i>	<i>Nov 2007</i>	<i>Initial draft for IEEE P802.3av Task Force comments.</i>
<i>D1.1</i>	<i>Jan 2008</i>	<i>Draft for Task Force review with comment resolution from January 2008 meeting.</i>
<i>D1.2</i>	<i>Apr 2008</i>	<i>Draft for Task Force review with comment resolution from March 2008 meeting.</i>
<i>D1.3</i>	<i>May 2008</i>	<i>Draft for Task Force review with comment resolution from April 2008 meeting.</i>
<i>D1.8023</i>	<i>Jun 2008</i>	<i>Draft for Task Force review with comment resolution from May 2008 meeting.</i>
<i>D2.0</i>	<i>Jul 2008</i>	<i>Draft for Work Group review with comment resolution from July 2008 meeting.</i>
<i>D2.1</i>	<i>Oct 2008</i>	<i>Draft for Working Group recirculation with comment resolution from September 2008 meeting.</i>
<i>D2.2</i>	<i>Dec 2008</i>	<i>Draft for Working Group recirculation with comment resolution from November 2008 meeting.</i>
<i>D3.0</i>	<i>Jan 2009</i>	<i>Draft for Sponsor Ballot Review with comment resolution from January 2009 meeting.</i>
<i>D3.2</i>	<i>Apr 2009</i>	<i>Draft for Sponsor Ballot Review with comment resolution from March 2009 meeting.</i>

IEEE 802.3 will continue to evolve. New Ethernet capabilities are anticipated to be added within the next few years as amendments to this standard.

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