

IEEE Standards Interpretations for IEEE Std 802.3™ IEEE Standard for Local and Metropolitan Area Networks - Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Copyright © 2005 by the Institute of Electrical and Electronics Engineers, Inc. 3 Park Avenue New York, New York 10016-5997 USA All Rights Reserved.

This is an interpretation of IEEE Std 802.3-2002.

Interpretations are issued to explain and clarify the intent of a standard and **do not** constitute an alteration to the original standard. In addition, interpretations are not intended to supply consulting information. Permission is hereby granted to download and print one copy of this document. Individuals seeking permission to reproduce and/or distribute this document in its entirety or portions of this document must contact the IEEE Standards Department for the appropriate license. Use of the information contained in this document is at your own risk.

IEEE Standards Department Copyrights and Permissions 445 Hoes Lane, Piscataway, New Jersey 08855-1331, USA

February 2005

IEEE 802.3-2002 Interpretations

Interpretation #: 1-03/03 (PDF)

Relevant Clause: 52.9.10.2 **Classification:** Ambiguous

Interpretation #: 1-07/03 (PDF)

Topic: Globally assigned multicast address bit order **Relevant Clause:** Annex 31 B

Classification: Unambiguous

Interpretation #: 1-11/03 (PDF)

Topic: Conformance Test signal at TP3 for receiver testing **Relevant Clause:** 38.6.11

Classification: Unambiguous

Interpretation #: 2-03/03 (PDF)

Relevant Clause: 37.2.4.2 **Classification:** Unambiguous

Interpretation #: 2-07/05 (PDF)

Topic: Auto-Negotiation **Relevant Clause:** 37 and 40.5.1 **Classification:** Unambiguous

Interpretation #: 2-11/02 (10Mb/s Carrier Detect) (PDF)

Topic: (10Mb/s Carrier Detect) **Relevant Clause:** Figure 7-6 and Figure 24-14.

Classification: Unambiguous

Interpretation #2-11/04 (PDF)

Topic: Transmitter electrical specifications **Relevant Clause:** 39.3.1 **Classification:** Question 1 - Unclear; Question 2 - Unaddressed

Interpretation #: 3-03/03 (PDF)

Relevant Clause: 14.3.1.2 **Classification:** Unambiguous

Interpretation #: 3-11/03 (PDF)

Topic: Isolation Requirements **Relevant Clause:** 14.3.1.1. **Classification:** Beyond the scope

Interpretation #: 3-11/04 (PDF)

Topic: Frame Reception **Relevant Clause:** 4.2.9 **Classification:** Unclear

Interpretation #: 4-11/03 (PDF)

Topic: Isolation Requirements **Relevant Clause:** 14.3.1.1. **Classification:** Beyond the scope

Interpretation #: 4-11/02 (PDF)

Relevant Clause: 43 **Classification:** Unambiguous

Interpretation #: 5-11/02 (PDF)

Relevant Clause: Item 1 - 30C.6 [dot3adAggPortActorSystemPriority, dot3adAggPort-PartnerAdminSystemPriority, & dot3adAggPortPartnerAdminSystemPriority] Item 2 - 30C.6 [dot3adAggActorSystemID] **Classification:** Item 1 - Unambiguous; Item 2 - Defect

IEEE 802.3ae-2002 Interpretations

Interpretation #: 5-11/03 (PDF)

Topic: 10GBASE-X check_end function **Relevant Clause:** 48.2.6.1.4 **Classification:** Unambiguous

Interpretation #: 1-03/04 (PDF)

Topic: Functions: Check_end **Relevant Clause:** 48.2.6.1.4 **Classification:** Unambiguous

IEEE 802.3z-2002 Interpretations

Interpretation #: 1-07/04 (PDF)

Topic: 10GBASE-X check_end function **Relevant Clause:** 48.2.6.1.4 **Classification:** Unambiguous