

1802.3 Conformance Test Maintenance #1 (1802.3rev)

5 Criteria

1. Broad Market Potential

**Broad set(s) of applications
Multiple vendors, multiple users
Balanced cost, LAN vs. attached stations**

- **Continued growth in the 10BASE-T market, with new entrants in the PHY market and an increasing trend towards the integration of 10BASE-T in products shows a continuing utility for the existing 10BASE-T Conformance Test Methodology.**
- **The AUI Cable has however likely disappeared from the marketplace, with new implementations extremely unlikely. In addition the AUI Cable Conformance Test Methodology has technical inaccuracies in it and for these reasons should be withdrawn.**
- **Combining the 10BASE-T Conformance Test Methodology standard (1802.3d-1993), with the required front matter from the AUI Cable Conformance Test Methodology standard (1802.3-1991), the base document, while removing the redundant AUI Cable Test Methodology will provide a standard with continuing utility.**

2. Compatibility with IEEE Standard 802.3

Conformance with CSMA/ CD MAC, PLS

Conformance with 802.2

Conformance with 802 FR

- **The 10BASE-T Conformance test will remain compatible with 802.3, 802.2 and the 802 FR.**

3. Distinct Identity

Substantially different from other 802.3 specs/ solutions
Unique solution for problem (not two alternatives/ problem)
Easy for document reader to select relevant spec

- **The 1802.3 10BASE-T Conformance Test Methodology standard will remain the only 10BASE-T Conformance Test Document.**

4. Technical Feasibility

Demonstrated feasibility; reports - - working models

Proven technology, reasonable testing

Confidence in reliability

- **This project is an editorial revision of existing material, no new Technical material will be added.**

5. Economic Feasibility

**Cost factors known, reliable data
Reasonable cost for performance expected
Total Installation costs considered**

- **Does not apply**