

*Must or shall is used in NOTES (which are considered informative) Please note “shall” should not be used in informative notes. Please consider changing the verb to when necessary. I have also highlighted the areas when must is used. Typically “must” states a mandatory requirement and in many instances we will change “must” to shall during publication prep. With that being said-- we don’t want to do that since it is in a NOTE. Please see the instances below. I’ve also provided a few recommendations as an example. I tried to avoid changing the verb to “should” or “may.”*

## **Section 1:**

NOTE on page 197

NOTE—The specified threshold levels do not take precedence over the duty cycle and jitter tolerance specified else-where. Both sets of specifications ~~must be~~ are met.

NOTE on page 220

NOTE—The above threshold limits are measured at the coaxial cable center conductor with respect to the shield at the MAU connector. The MAU designer ~~must~~ takes into account circuit offsets, low-frequency noise (for example, 50 Hz, 60 Hz), and 5 MHz ripple at the filter output in determining the actual internal threshold value and its tolerance.

NOTE on page 221:

NOTE—If the requirements of 8.4.2.1.1 item b), 8.4.2.1.2, 8.4.2.1.3, and 8.4.2.1.4 item b) are met, then it is expected that the characteristic impedance periodicity requirement ~~shall be~~ is considered met.

NOTE on page 226

NOTE—Total capacitance of tap and active circuitry connected directly ~~shall be~~ is no greater than 4 pF. Specific imple-mentations may allocate capacitance between tap and circuitry as deemed appropriate.

NOTE on page 269

NOTE—Figures 9–8, 9–9, and 9–10 ~~must~~ are all be considered together.

NOTE on page 357

NOTE on page 381

NOTE on page 390

NOTE on page 394

NOTE on 441

## **Section 2**

NOTE on 83

NOTE—All MII conformance tests are performed at the mating surfaces of the MII connector at the Reconciliation sub-layer end of the cable. If a PHY circuit assembly does not have a permanently attached cable, the vendor ~~must~~ ensures that all of the requirements of this clause are also met when a cable that meets the requirements of 22.4.5 is used to attach the PHY circuit assembly to the circuit assembly that contains the Reconciliation sublayer.

NOTE on 141

NOTE—The balance of the test equipment (such as the matching of the test resistors) ~~must be~~ is insignificantly l relative to the balance requirements.

On page 195 the Figure 24-8 has 2 numbered NOTES however they are not numbered in the actual figure.

NOTE on page 574

NOTE—The balance of the test equipment (such as the matching of the test resistors) ~~must be~~ is insignificantly l relative to the balance requirements.

## **Section 3**

NOTE on 121

NOTE on 267

Section 4:  
NOTE on page 436

NOTE on page 440

Page 737 redundant to say note. Can this be reworded to This footnote is not.....