

### Corrections and Additions to TIA/EIA-568-A

Addendum 2 to '568-A provides modifications and corrections to the content of '568-A as a result of advances in telecommunications research and development. Revisions are as follows:

1. Centralized optical fiber cabling is referenced in two locations (5.2.1 and 7.4.1) as an alternative to the optical cross-connection located in the telecommunications closet when deploying 62.5/125  $\mu\text{m}$  optical fiber cable in the horizontal. TIA/EIA TSB72 Centralized Optical Fiber Cabling Guidelines are also referenced.
2. The ANSI/ICEA reference in section 10.2.3 was updated to ANSI/ICEA S-90-661-1994 for specifying the physical and mechanical requirements of '568-A recognized cables.
3. Additional text was incorporated into section 10.4.3.4 specifying that the connecting hardware used for 100 UTP cabling shall not result in or contain any transposed (e.g. transposition of pairs 2 or 3) or reversed (also called tip/ring reversals) pairs. It is further noted that applications requiring transposed or reversed pairs shall utilize adapters, work area or equipment cords to swap pairs.
4. A reference to the TSB67 field test methodologies is added to section 10.6.4.
5. The 568SC optical fiber connector axial pull off strength requirement was decreased from 22 N (5 lbf) to 19.4 N (4.4 lbf).
6. Globally, the word "polarization" was replaced with "polarity."
7. The initial contact resistance specified in Annex A for connecting hardware was increased from 1 m to 2.5 m and the contact resistance measurement method was re-written to be more user-friendly.
8. A provision for common mode terminations for testing connecting hardware NEXT loss and Return Loss was incorporated into Annex B. This revision accommodates telecommunications networking implementations that may employ common mode terminations in the active equipment.