

# IEEE P1394r status

**MSC meeting**  
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# New features of IEEE P1394R

## (from clause 3.12)

- **IEEE 1394-2007** is a full-use standard which incorporates the contents of IEEE 1394-1995 as revised by IEEE 1394a-2000, IEEE 1394b-2002, and IEEE 1394c-2006. In addition, the following new features have been added:
- **Errata** -- Over 100 errata have been corrected (as per 1394 TA bulletins TB2002001 and TB0002.)
- **Enhanced UTP PMD** -- The UTP PMD specification (Clause 12) has been enhanced to include operation over UTP connections at the S200 and S400 data rates as well as S100.
- **Beta Plus PHY-Link Interface** -- Specifications for the Beta Plus PHY-link interface, which specifies operation at S1600 and S3200, have been added in Clause 17.
- **Bus topology determination** -- A new annex entitled "Deriving Bus Topology from Self-ID Packets" has been added (Annex Q.) This annex, which has been adapted from IEEE 1394.1, gives a more efficient procedure for reestablishing the network topology after a bus reset.

## IEEE P1394r document status

- Initial editing work has been completed.
- Draft posted on 3/26/7 to 1394 TA Architecture WG web page for technical review
  - Discussed at 1394 TA meeting last week
  - Comments due 4/30/7
- Submitted to IEEE for MEC on 3/29/7
  - Need to update the scope section of the PAR
  - April 27 deadline for June NesCom meeting

# IEEE P1394R PAR

- **Current scope:** This Revision will Incorporate 1394a-2000 and 1394b-2000 into base standard. The 1394 High Speed Serial bus will be revised to keep with current technology and developments in the High Speed Serial Bus marketplace.
- **Proposed new scope:** The 1394 High Speed Serial bus will be revised to keep with current technology and developments in the High Speed Serial Bus marketplace. The following amendments will be incorporated into the base standard:

IEEE 1394a-2000

IEEE 1394b-2002

IEEE 1394c-2006

The following 1394 Trade Association specifications will be incorporated into the base standard:

TB2002001 (1394b Clarifications and Errata 2.0)

TB0002 (Technical Bulletin 1394a-2000 Connector Socket and Plug)

TS2006001 (Enhanced UTP PMD for IEEE 1394b)

TS2006006 (1394 Beta Plus PHY- Link interface)

The procedure specified in IEEE 1394.1 for deriving bus topology from self-ID packets will be incorporated into a new informative annex.

Finally, additional corrigenda and clarifications will be incorporated into the standard as necessary.