

1394TA Compliance Logo

Program Overview

IEEE CONFERENCE ON PRODUCT CERTIFICATION &
CONFORMITY ASSESSMENT

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Chair 1394 TA Qualification Review Board



Agenda

- IEEE-1394 Overview
- Compliance Logo Program Charter
- Compliance Logo Program Elements
 - Test procedures & test applications
 - Plugfests
 - 3rd Party test houses/Self-test houses
 - Qualification Review Board
 - The compliance logo
- Compliance Program Results
- Compliance Program Challenges

IEEE-1394 Overview

- High speed serial network with guaranteed delivery
- More than 1 billion products with IEEE-1394
- Mandatory by FCC in DTV set top boxes
- Major product categories are:
 - Personal computers, home networking
 - External storage peripherals, digital camcorders, audio
 - Industrial and automotive imaging (cameras)
- 1394 Trade Association has 100+ member companies
 - Specification development
 - Compliance and Interoperability
 - Industry Marketing, Training
- Technology also referred to as FireWire or i.LINK
- 1394 TA writes the specs and passes them to IEEE

Why 1394 Compliance and Interoperability

- Ensure positive consumer experience
- Expand the variety and sheer number of 1394 products in the marketplace
- Make 1394 the preferred choice for consumer networks
- Not a program for government regulatory compliance!
- Well written specs are required!

Compliance Logo Program Charter

- Establish a program to test consumer products
 - Provides value for the consumer
 - Technically sound
 - Easily accessible for manufacturers
 - Financially sound

Compliance Logo Program Elements

Test Procedures & Test Applications

- Uniformity
- Portability
 - Plugfest, 3rd party, pre-test
- Platform for periodic improvement
- Creation coordinated by Compliance & Interoperability Working group

Compliance Logo Program Elements

Plugfests

- Held twice per year
- One-stop to earn compliance logo
- Geographically dispersed
 - Tokyo, Taipei, Redmond, Silicon Valley

Compliance Logo Program Elements

3rd Party Test Houses

- Around the calendar availability
- Around the world availability
- Greater degree of privacy

Self-Test Houses

- ï Cost Effective for Companies with many products
- ï Around the calendar availability
- ï Around the world availability
- ï Greater degree of privacy

Compliance Logo Program Elements

3rd Party/Self Test Houses--Challenges

- Test procedures, test applications available
 - Test equipment support, o-scopes, critical
- Certification process for 3rd parties
- Bring them on line quickly

Compliance Logo Program Elements

Qualification Review Board

- Approves test procedures & test applications
- Approves certification requirements for 3rd party test facilities
- Reviews Compliance Logo Program Results
- Forum for appeals
- No formal surveillance program

Compliance Logo Program Elements

Qualification Review Board

- Board consists of 6-8 people from 1394TA member companies
- Coordinates Access to Compliance Logo Program Results
 - Works closely with 1394TA staff administrators
 - Works closely with 1394TA Marketing Wg

Compliance Logo Program Elements

The Compliance Logo

- Compliance logo valid for 18 months
- 2-part fee structure for earning a logo at a Plugfest
 - Testing fee
 - Compliance Logo license fee
- 2-part fee structure for Self-Test houses
 - Annual fee
 - Nominal submission fee
- Compliance by similarity important

Compliance Program Results

- 48 products have passed and are listed on the website:
 - <http://1394ta.org/products/CompliantProducts.html>
- Twenty 1394 TA plugfests to date
- CEA held around eight bi-annual 1394 775 plugfests
- 10 companies participating on average
- 30 devices plugfesting on average
- 5 third party test houses certified
 - Allion (Taiwan), PMTC (Europe), Fraunhofer (Europe)
 - Quantum Parametrics (USA), NTS (USA)
- No official self-test houses to date
 - Two companies completed the requirements, did not register

Compliance Program Challenges

- Increase participation in achieving compliance
 - Consumer products, cables, connectors, silicon
- Compliance efforts as financially break-even
 - Third party test houses
 - New compliance test suite development, plugfests
- Enhance the value of achieving compliance
 - Coverage of new specifications
 - Coverage of new applications
 - Improve plugfest efficiency, Establish 'golden' suites

THANK YOU!

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