Automation Authority Telecom & Energy System

As1773 Fibre Channel

Overview

This SAE Aerospace Standard (AS) contains requirements for fiber optic mechanization of a digital time division command/response multiplex data bus for use in systems integration. The parent document for data bus protocol, bit assignment and related bus traffic management is. We present the experiences and lessons learned in design and implementation of NASA GSFC's Dual Rate 1773 (DR1773 or AS1773) Experiment on the Naval Research Laboratory's (NRL) Microelectronic and Photonic Test Bed (MPTB). This includes radiation effects testing, design parameters and possible. This document has been declared "Stabilized" by the SAE AS-3 Fiber Optics and Applied Photonics Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. The concept of operation and information flow on.

Article Content

SAE AS 1773-1995 (SAE AS1773-1995)

This document defines requirements for digital, command/response time division multiplexing (data bus) techniques for fiber optic implementation. The concept of operation and information flow on the ...

The Fibre Optic Solution To 1553B-1773 Databus

An optical transmitter/receiver replacement has been designed which well exceeds present data bus specifications and is totally compatible with interface chip sets currently being developed (Smiths, ...

SpaceFibre

SpaceFibre aims to be the fibre optical extension of the SpaceWire standard ! Shall cover requirements of very high end applications. “Optical Links for the SpaceWire Intra-satellite Network Standard” ...

SAE International

This document defines requirements for digital, command/ response time division multiplexing (data bus) techniques for fiber optic implementation. The concept of operation and information flow on the ...

AEROSPACE AS1773™ REV. A STANDARD

AS1773 provides for the use of fiber optics as the transmi ssion medium in a manner which is similar to MIL-STD-1553B with the added the option of increased performance by using an alternate data rate ...

AS1773A Fiber Optics Mechanization of a Digital Time Division ...

This document defines requirements for digital, command/ response time division multiplexing (data bus) techniques for fiber optic implementation. The concept of operation and ...

MIL-STD-1773 Data Bus

Mil-Std-1773 defines a fiber optic bus. This system is widely used for on-board command and telemetry transfer between military spacecraft components, subsystems and instruments, and within ...

SAE as1773

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MPTB AS-1773 Fiber Optics Data Bus (FODB) Lessons Learned

We present the experiences and lessons learned in design and implementation of NASA GSFC''s Dual Rate 1773 (DR1773 or AS1773) Experiment on the Naval Research Laboratory''s (NRL) ...

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