The MIL-STD-1553 data bus is presently used in many advanced military programs and is also used to update systems in older programs. The applications are expanding rapidly requiring more trained engineers to deal effectively with the technology.

The Seminar presents a thorough discussion of MIL-STD-1553 theory, application and testing. Problem areas in the standard are clarified and available options are examined. Two lab sessions illustrate the material being taught by providing students with "hands-on" experience in identifying 1553 communication and trouble-shooting remote terminal problems.

Leroy Earhart, the instructor, has over thirty years of experience in the design and development of multiplex equipment for data bus applications. In the Seminar, Mr. Earhart uses a well-rounded approach of lecture, lab sessions, visuals, notes, question and answer, and samples from 1553 manufacturers to communicate concepts in a clear and dynamic manner. He provides personal assistance during the lab sessions.

The 1553 Seminar notebook contains over 130 pages of class notes, MIL-STD-1553 and information on 1553 testing. Vendor literature on 1553 related products is also made available.

1553 SEMINAR OUTLINE
FIRST DAY
I Intro to Multiplexing & MIL-STD-1553
II Definitions, Encoding & Formats
Afternoon - Lab Session 1
SECOND DAY
III Protocol
IV Terminal Operation
V Hardware Characteristics
VI Hardware Design
Afternoon - Lab Session 2
THIRD DAY MORNING
VII System Design
VIII Software Design
IX Philosophy of Testing & Phases of Testing
THIRD DAY AFTERNOON
X Test Requirements
XI Test Equipment: Requirements & Overview
Class Hours: 8:00 AM - 4:00 PM
REGISTRATION FEE
1553 Seminar - $1,495.00 per person
1773 Seminar - $246.00 per person

MIL-STD-1773 AFTERNOON SEMINAR
MIL-STD-1773 is the fiber optic version of MIL-STD-1553. Although it has been little used in the past, 1773 applications are currently increasing, especially in areas where protection from electromagnetic interference is necessary.

The MIL-STD-1773 Afternoon Seminar is offered on the first afternoon of the 1553 Seminar. An understanding of MIL-STD-1553 is prerequisite.

The Seminar is designed to provide an understanding of the requirements of MIL-STD-1773. Problem areas associated with fiber optic transmission are examined and discussed.

1773 SEMINAR OUTLINE
I Introduction to MIL-STD-1773
II Media Components
III Media Design
IV System Testing & Diagnostics
V Media Installation Considerations
VI Radiation Effects
VII 1773 Enhancements
Class Hours: 4:00 PM - 6:30 PM
Monday, April 24, 2017

REGISTRATION FORM

NAME ____________________________ TITLE ____________________________
COMPANY ____________________________ M/S ____________________________
ADDRESS __________________________________________________________
CITY ____________________________ STATE ______ ZIP __________
TELEPHONE ____________ EXT ____________ EMAIL ____________________________

Mail registration form and fee to: TEST SYSTEMS, Inc. • 217 West Palmaire • Phoenix, AZ 85021