



The Human Factors Standardization SubTAG

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Federal Aviation Administration

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Presentation

- Brief overview of the DoD HFE TAG
- Brief overview of the HFSSC
- Human Factors Standardization SubTAG

Objectives

Products



DoD HFE TAG - Origin

- Implemented by MOU signed by Assistant Secretaries of the Services in November 1976
- Purpose of coordinating and communicating research and development at the working level among the services and other government agencies involved in HFE
- First meeting convened on August 9-10, 1977 in Fort Washington, PA
- TAG 52 was November 1-4, 2004 in Alexandria, VA
- TAG 53 will be May 23-26, 2005 in Panama City, FL



Composition

- Composed of technical representatives of the DoD, NASA, and the FAA with responsibility in human factors and related disciplines
- Official representatives of technical societies or industry associations
- Non-government personnel may attend if sponsored by a TAG member



Goals

- Proponent is Dr. Robert Foster
Director, Biosystems
ODUSD(S&T) / ODDR&E / OUSD(AT&L)
- Provides a mechanism for the timely exchange of technical information in the development and application of HFE
- Assists in preparation of tri-service documents
- Sponsors in-depth technical interaction which aids in identifying HFE technical issues and technology gaps



SubTAGs and Interest Groups

Controls and Displays

Design Tools and Techniques

Human Systems Integration: Management and Application

Human Factors in Extreme Environments

Human Factors and Operational Medicine

Human Factors Standardization

Human Factors Test and Evaluation

Human Modeling and Simulation

Personnel Selection and Classification

Sustained/Continuous Operations

System Safety/Health Hazards/Survivability

Technical Society/Industry

Workload

User-Computer Interface

Human Factors in Training

Human Factors in User Feedback



Human Factors Standardization Steering Committee (HFSSC)

- Initiated and began meeting in conjunction with the DoD HFE TAG in the Fall 1979
- Tri-service and industry planning and coordinating committee that advises the HFAC LSA regarding programs that should be included in the DoD HFAC Standardization Program Plan.
- Reviews results of projects where development and revision of HFAC are not involved
- Maintains liaison with non-government standards bodies and other industry groups and technical societies



HFSSC (cont)

- With acquisition reform, the emphasis was shifting away from DoD standards; program plans were no longer required
- The HFAC LSA determined the HFSSC had served its usefulness, and the HFSSC was disbanded in November 1998
- The Human Factors Standardization SubTAG was created in order to continue work in the standardization area



Human Factors Standardization SubTAG - Objectives

- Provide advisory support in implementing HFAC and related actions
- Avoid duplication among DoD standardization projects and activities
- Identify needed initiatives to applicable organizations
- Maximize and enhance the exchange of standardization information



SubTAG Products

- Prepared Human Engineering Design Data Digest
- Prepared Index of Non-Government Standards
- Prepared Index of Government Standards
- Provided Inputs to Training Handbook (MIL-HDBK-29612) to address task analysis
- Drafted Notice 1 to MIL-STD-1472
- Assisted in transfer of human factors DIDs to the Navy
- Assisted in preparation of EIA HEB-1, Human Engineering – Principles and Processes
- Prepared Gateway issue (June 2003)



Current Activities

- Validating design weight lifting limits (MIL-STD-1472)
- Validating strength data (MIL-HDBK-759)
- Participating in update of HEB-1



Interfaces

The SubTAG interfaces with:

- Human Factors & Ergonomics Society
- Government Electronics and Information Technology Association (GEIA) G-45 Committee (Human Factors)
- ISO Technical Committee 159 (Ergonomics)
- U.K. Ergonomics Society
- Ministry of Defence (British Defence Standard 00-25)



Web Sites

DoD HFE TAG

<http://hfetag.dtic.mil/org.html>

Human Factors Standardization SubTAG

<http://hfetag.dtic.mil/hfs.html>