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HUMAN FACTORS DESIGN STANDARD (HFDS) For Acquisition of Commercial Off-The-Shelf Subsystems, Non-Developmental Items, and Developmental Systems	May 2003 6. Performing Organization Code ACB-220
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16. Abstract

The Human Factors Design Standard (HFDS) provides reference information to assist in the selection, analysis, design, development, and evaluation of new and modified Federal Aviation Administration (FAA) systems and equipment. This document is based largely on the 1996 Human Factors Design Guide (HFDG) produced by the FAA in 1996. It converts the original guidelines document to a standard and incorporates updated information, including the newly revised chapters on automation and human-computer interface. The updated document includes extensive reorganization of material based on user feedback on how the document has been used in the past. Additional information has been also been added to help the users better understand tradeoffs involved with specific design criteria. This standard covers a broad range of human factors topics that pertain to automation, maintenance, displays and printers, controls and visual indicators, alarms, alerts and voice output, input devices, workplace design, system security, safety, the environment, and anthropometry documentation. This document also includes extensive human-computer interface information.

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Human factors, Human-equipment interfaces, Human-computer interfaces, automation, design for maintenance, workplace design, user documentation, system security, personnel safety, environment, input device, monitors, displays, printers, computer-human interface, CHI, alarms, auditory, automation, maintenance, displays and printers, controls and visual indicators, alarms, alerts and voice output, input devices, workplace design, system security, safety, the environment, and anthropometry documentation.	This document is available to the public through: the National Technical Information Service, Springfield, VA 22161 through the internet at (http://acb220.tc.faa.gov/hfdg/default.htm), or in CD ROM format by sending a request to: HFDS project lead William J. Hughes Technical Center ACB-220, Human Factors Group, Bldg 28 Atlantic City International Airport, NJ 08405

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