HUMAN HEALTH AND PERFORMANCE
Exploring Space | Enhancing Life

Human Engineering Displays and Controls Design and Evaluation

> The JSC Human Engineering Displays & Controls group improves the design of displays and controls by applying human factors processes during display & control development and establishing display standards.
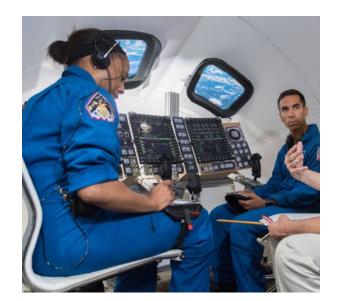
Renowned Skills and Unique Capabilities

The JSC Human Engineering Displays & Controls group's iterative & user-centered design approach ensures a system optimized for the user experience in the operational environment while reducing cost by obtaining feedback from users, subject matter experts, operational experts, etc. earlier in the design lifecycle.

Display standards provide guidelines that can be shared with developers in order to implement best practices up-front allowing evaluations to focus on other potential issues.

Services and Techniques

- Usability Evaluations
- Human-in-the-loop (HITL) evaluations
- Requirements development
- Task Analysis
- Link Analysis
- Task Allocation
- Workload Assessment
- Error Rate Analysis

Johnson Space Center

For the benefit of all

For more information:
NASA Human Health and Performance Directorate
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