

SMC HMI Standards Definition

Status & Plans

Presented at the GSAW 98

Breakout Session #4:

Architectural Implications of Common Operator Interfaces

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Background

- Senior Management Review - Jan 97
 - Standard Satellite Control System (SSCS)
- SMC/CV and AFPSC/DR Red Team-Feb 97
 - Divided SSCS and HMI into two separate efforts
- HMI Configuration Control Board (CCB) Established - Mar 97
 - Developed Charter, HMI Style Guide and Conventions
- AFSPC/CV and SMC/CC SSCS Summit-23 Oct 97
 - Guidance to focus on HMI effort
- SMC/CW NOUC Contract Modified to focus on HMI - Jan 98
 - Prototype Screens and Update Conventions

Status

- HMI Charter signed by AFSPC/DR, DO, SMC/CV and PEO
- Proposed Re-designation of CCB to HMI Management Review Team
 - Co-chairs: AFSPC/DRF and SMC/AXE
 - Members: AFSPC/DRS, DOT, DOR, 21 and 50 SW, SMC/CW, MC, MT, CZ, TEO, Contractors
 - Serves as a guidance forum only
 - Review Standard Training Tasks & Standard Screen Displays
- Draft HMI Conventions out for Review
 - SBIRS and GPS Screen Designs ~ 75% Commonality with Conventions

Plans

- NOUC Contract (Jan - Sep 98)
 - HMI Standard and Convention Development
 - Develop Designs for Screens for 6 Functional Tasks
 - Contact Ops
 - Mission Planning
 - Orbital Attitude
 - Ops Support
 - Mission Payload Operations
 - Engineering Analysis
 - Demo designs w/ SPO's & Users
 - Update HMI Conventions for future application
- HMI Management Team Reviews (May - Sep 98)
 - Review and Approve Display Designs & Conventions (Sep 98)
- Investigate Opportunities to apply conventions on future systems
 - SBIRS, GPS IIF, MISCs

For further info

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