



Human Factors

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Session Chairs

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HUF: Overview

- ▶ 15 papers submitted
- ▶ 8 papers presented
 - 4 European
 - 3 U.S.
 - 1 Joint
- ▶ Average attendance per session = 42

HUF: Since ATM2003

- ▶ Progressed research spanning system life cycle in reporting HUF assessments
- ▶ As part of change management recognize that safety culture and safety management are integral to one another
- ▶ Need common framework for use of terms (cognition, complexity)

HUF: 2005 Viewpoint

- ▶ Shows robust range of quantitative and qualitative methods applied across life cycle
- ▶ The significance of our results is as much shaped by what we measure as what we do not measure, so
 - One set of measures may not apply to all operational conditions

HUF: Viewpoint (Continued)

- ▶ Need mechanisms to measure implementations other than design intent
 - Iterative design and implementation
 - Ties to safety management system
- ▶ Need to better balance/integrate new technology with procedures, MOPS/concept of use, training, but we still find
 - When the controller most needs an advanced tool is the time when least able to use it
- ▶ Of 69 papers, HUF considerations in 47 (68%)

HUF: Roadmap to 2007

- ▶ Life cycle integration of HUF continues after implementation
- ▶ Longitudinal safety culture assessment
- ▶ Research addressing maintenance/engineering
- ▶ Better integrate literature between Europe and US and
 - We still have more to do at different levels