The Feasibility of Studying Decision Making Using a Virtual World Environment

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Background

- **Decision Making**
  - Rational
  - Intuitive/judgmental

- **Research Test Bed**
  - Real World
  - Naturalistic
  - Simulated
Current Study Overview

- Review of Target Jobs and Available Technologies
- Selection of Job Activities and Development of Scenarios
- Identification of Performance Measurement Requirements
- Development of Measurement Tools and Procedures
- Development of Virtual World Environment
- Beta Test of VWE and Measurement Technologies
Development of Measurement Tools and Procedures

- Performance Measures
  - Computer-based
  - Observational
- Psycho-physiological Measures
- Self-report
  - Performance
  - Self efficacy
  - Decision styles
  - Experience
Summary and Future Directions

• Short-term Goals
  – Determine feasibility of VWE as test bed for studying decision making
  – Evaluate Feasibility of Measurement Approaches

• Long-term Goals
  – Extend Fidelity of WVE
  – Expand Job Domain
  – Develop more comprehensive approach to measurement
  – Develop better understanding of decision-making process