

# Bringing V&V to Reality

## Technical Center Test and System Evaluation Services

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# Our Commitment

- Provide quality test, evaluation, monitoring, and analyses products and services
  - ✓ Ensure current national airspace system (NAS) and future air transportation systems and procedures are efficiently and comprehensively verified/validated and monitored for system compliance.
  - ✓ Use best practices and quality standards
  - ✓ Meet or exceed customer requirements
  - ✓ Continue to improve our processes and capabilities
- Received certification to the ISO 9001:2008 quality assurance standard in May 2010
- Successfully passed 6 month surveillance audit October 13<sup>th</sup> - retain certification



# Work Portfolio

- Test, evaluation, analyses and monitoring
  - ✦ CNS, ATM, TFM (traditional)
  - ✦ DataComm, SWIM, SBAS, ADS-B, NVS (NextGen)
  - ✦ Separation Standards
  - ✦ System Performance (new procedures, navigation signals analysis) – math modeling
- Operational Capabilities
  - ✦ Operational Sustainment & Operational Improvements

# Initiatives

- Workforce Development
  - ✦ Test and Evaluation Certification
- Test tool accreditation
- Research and Test Practitioners
  - ✦ “Brown Bag” Lunch Sessions (new proposal)

# Opportunities

- NextGen Foundation for Success
  - ✦ Process Flow “Idea to In Service”
    - Formalize the *input* role with consistent up front involvement
    - Utilize technical expertise at the enterprise level (operational improvements, operational sustainment, and procedures)
    - Participate on the “Capture Teams”

# Challenges

- Identify requirements for lab/facility capabilities for V&V
  - ✦ NAS Concept of Operations
    - Operational Improvements + Operational Sustainment
- Formulate T&E strategies which fully verify NexGen enabling programs (e.g., DataComm, SWIM) operational capability and suitability.

*Realizing V&V throughout the “Idea to In Service”  
life cycle phases requires all of us!*