

# Focus on the Future

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Federal Aviation  
Administration



# V&V- Focus on the Future

**Focus**  **Understanding**

**Future**  **Knowledge Based Decisions**

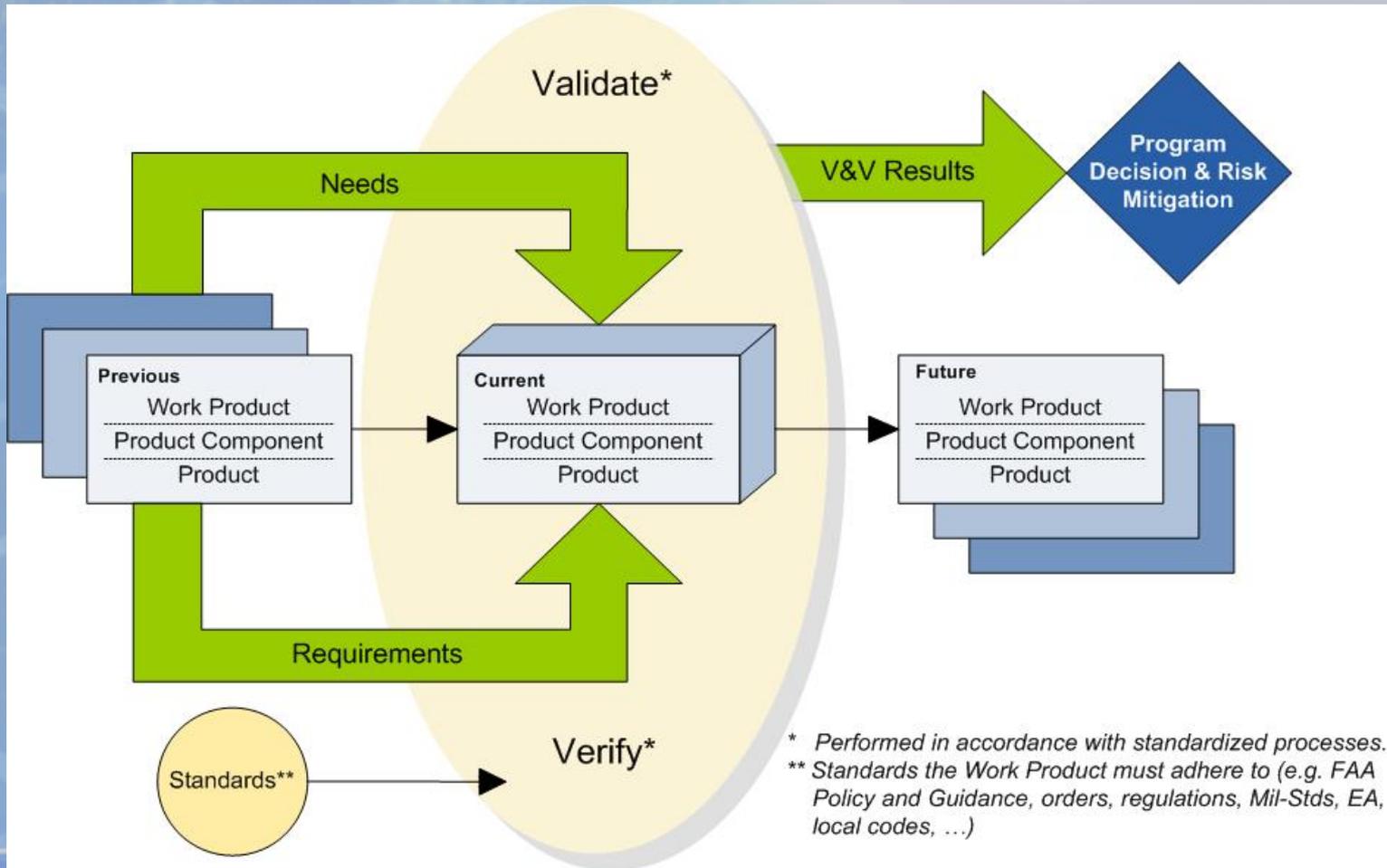


# Focus of V&V: Understanding

- **Verification – Did we build it right?**
- **Validation – Did we build the right thing?**
- **V&V leads to a greater understanding of the:**
  - 🔍 Needs
  - 🔍 Concepts
  - 🔍 Capabilities
  - 🔍 Operational environments
  - 🔍 Products/Systems/Services

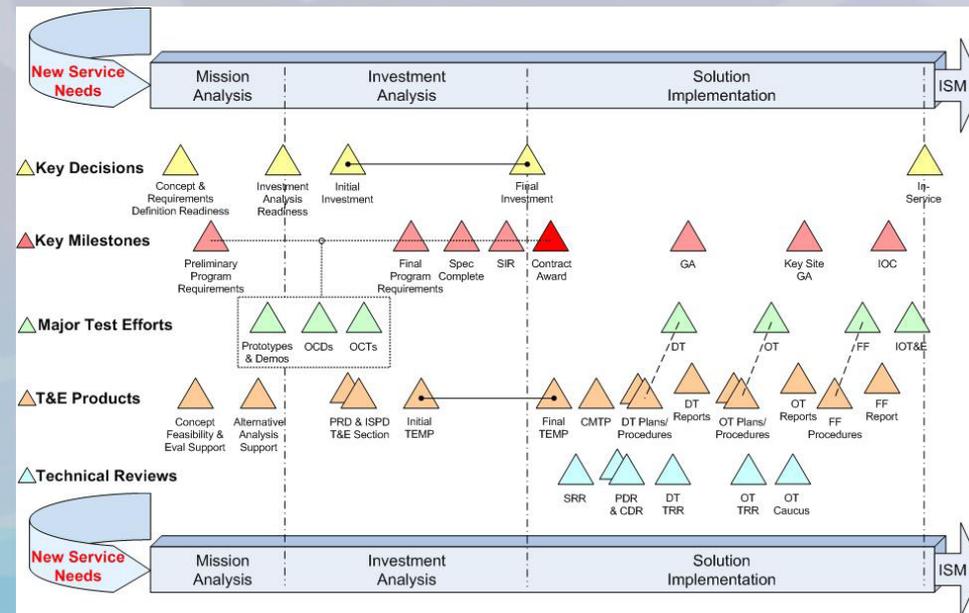


# V&V Focus cont...

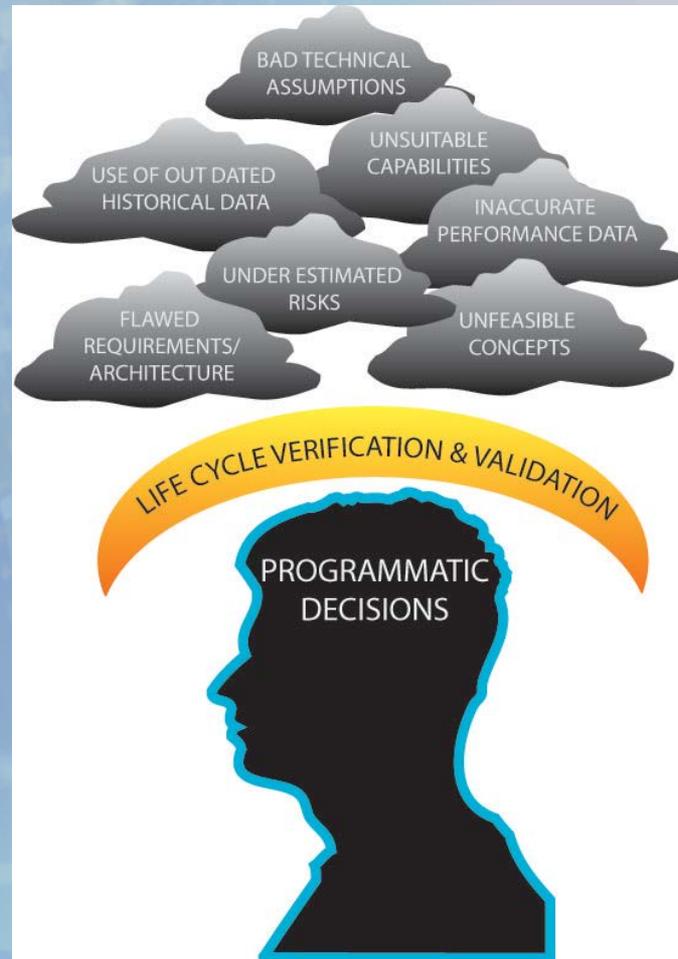


# V&V and the Future: Decisions

- Providing the right information at the right time
- Supporting event driven acquisition strategies and informed decisions
  - Criteria based
  - Knowledge based



# V&V and the Future: Decisions cont...



# NextGen Needs a Disciplined V&V Focus

- Implementation of operational improvements will proceed with the right information and managed risk
- V&V will provide knowledge along the way to:
  - Develop, assess, and approve concepts, solutions, and requirements
  - Manage risks
  - Develop and produce products
  - Assess operational requirements and capabilities
  - Deploy, implement, and integrate products
  - Sustain products/systems

