



## Digital I&C Licensing Process Task Working Group-6

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## Digital I&C Licensing Process

- Purpose of ISG-6
  - Clearly defined licensing process
  - Expectations for documentation
  - Knowledge management
- Will utilize lessons learned from Wolf Creek and Oconee Digital I&C Amendments

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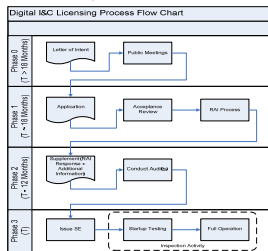
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## Digital I&C Licensing Process

–Process Overview



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## Digital I&C Licensing Process

- Format of ISG-6
  - Introduction
  - Purpose
  - Licensing Process
    - Process Overview
    - Pre-Application Meetings
    - Initial Application
    - Continued Review and Audit
    - Implementation and Inspection
    - Review Areas
      - Scope of Review
      - Information to be Provided
      - Regulatory Evaluation
      - Technical Evaluation
      - Conclusion
  - Appendices (Example Formats)

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## Digital I&C Licensing Process

- Reviews will be classified by Tier, representing expected complexity:
  - Tier 1: Previously approved system, no deviations, least review effort expected.
  - Tier 2: Previously approved system, with deviations, moderate review effort expected.
  - Tier 3: Totally new system, extensive review effort expected. Thorough Review of all technical areas.

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## Digital I&C Licensing Process

- Proposed Review Areas
  - Defense-in-Depth & Diversity
  - Hardware Design & Single Failure
  - System Modifications & Configuration Control
  - Data Communication
  - Software Design & Development
  - Verification & Validation
  - Cyber Security
  - Equipment Qualification
  - Human Factors
  - Commercial Dedication of Computer-Based Systems
  - Test and Calibration
  - Technical Specifications

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### **Digital I&C Licensing Process**

- ISG-6 Development Schedule
  - Monthly public meetings (4<sup>th</sup> Tuesday of the month)
  - Initial draft for public comment, June 2009
  - Planned ISG issuance, September 2009
- Pilot application encouraged

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