

Digital Instrumentation and Control

Status of Durable Guidance concerning ISG4

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DI&C Project Deliverables

- Project Plan lists 4 deliverables:
 - ISG4 NRC done
 - Revision to IEEE 7-4.3.2 industry done
 - Revision to RG1.152 NRC in progress
 - Revision to SRP NRC pending RG1.152

Overall Guidance Structure

- RG1.152 was revised in 2011(Rev. 3) to address cybersecurity issues — no ISG4-related changes.
- Rev4 will address ISG4 and related considerations.
- Rev4 will be structured as top-level guidance for the application of digital technology in nuclear power plants.

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ISG4 & IEEE 7-4.3.2

- RG1.152r4 is expected to fully supersede ISG4.
 - There are no known issues at this time that would require continued use of ISG4 once RG1.152r4 has been issued.
- RG1.152r4 will address IEEE 7-4.3.2-2010.
 - 7-4.3.2-2010 incorporates much of ISG4.
 - RG1.152r4 will endorse 7-4.3.2-2010, with clarifications & possibly some additions and/or exceptions.

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10 CFR 50.55a(h) Update

- 10 CFR 50.55a(h) is currently being revised.
 - Address IEEE 603-2009
- RG1.152r4 may need to wait for substantial completion of the revision.

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Other Influences

- Revision to 7-4.3.2
- New standard(s)
- Deferred comments (from RG1.152r3)

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