

# NEI 17-06 NRC Review Logistics

NRC Staff Presentation  
May 14, 2021 Public Meeting

---

## Purpose of NEI 17-06

NEI 17-06, “Guidance on Using IEC 61508 SIL Certification to Support Acceptance of Commercial Grade Digital Equipment for Nuclear Safety Related Applications”

Able to rely on the SIL certification process in lieu of conducting a commercial grade survey to provide reasonable assurance that **dependability critical characteristics** described in the NRC endorsed **EPRI TR 106439**, “Guideline on Evaluation and Acceptance of Commercial Grade Digital Equipment for Nuclear Safety Applications,” are adequately controlled

---

## NRC Review Approach for NEI 17-06

- If NEI 17-06 is found acceptable, create a new Regulatory Guide (RG) for endorsing NEI 17-06
- New RG to address association with previously endorsed EPRI TR 106439
- Link RG 1.164, “Dedication of Commercial-Grade Items for Use in Nuclear Power Plants” to new RG

---

# NEI 17-06 Review Milestones

| NEI 17-06, Rev. 0 submitted for NRC endorsement    | 23-Feb-2021 (C) |
|--|-----------------|
| Fee Exemption granted for NEI 17-06, Rev. 0 review | 15-Apr-2021 (C) |
| Complete Acceptance Review                         | 30-Jun-2021 (S) |
| NEI 17-06 review & resolution of RAIs              | 31-Dec-2021 (S) |
| NEI issues revised NEI 17-06                       | 31-Jan-2022 (S) |
| Issue new RG endorsing revised NEI 17-06           | 31-Jan-2023 (S) |

## **Legend**

Completed – C

Scheduled – S