

NEI 96-07, Appendix D, Rationale for “Binning” of NRC Comments

David Ramendick

Application of Guidance Contained in Appendix D of NEI 96-07
14 December 2016 • NRC

TODAY'S OBJECTIVES

- Provide Bases for “Binning” of NRC Comments
- Identify Typical Examples of NRC Comments Assigned to Each “Bin”

COMMENT “BINS”

- **Green** Bin – Topic/comment addressed in latest version of Appendix D, Section 3
- **Blue** Bin – Topic/comment to be addressed at a future time
- **Yellow** Bin – Topic/comment not understood; additional input from NRC needed
- **Red** Bin – Topic/comment not related to 50.59 and/or Appendix D

GREEN BIN

Bases for Comment Inclusion

- Administrative Improvement
 - Comments 8 & 65 – Section numbering to match NEI 96-07
 - Comment 26 – Introductory text
 - Comment 30 – Resolve inconsistencies
- Guidance Improvement
 - Comments 34, 43 & 46 – Removal of guidance
 - Comments 30, 54 & 56 – Modification of Guidance
 - Comments 27, 31 & 60 – Addition of guidance

BLUE BIN

Bases for Comment Inclusion

- 50.59 Evaluation Concept
 - Comments 41 & 42 – Magnitude of malfunctions
 - Comment 50 – Applicability of 50.59 Criteria (c)(2)(viii): “method of evaluation”
- Future Topic
 - Comments 29 & 31 – 50.59 and EMI/RFI
 - Comment 31 – Link to Section 5 examples
 - Comments 57 & 58 – Scope of examples

YELLOW BIN

Bases for Comment Inclusion

- Comment 30 – Comparison of Appendix D, Example 3-1 with *NEI 96-07, Section 4.2.1.2, Example 3*
- Comment 31 – Use of NEI 96-07, Section 4.3.2, Example 2 to illustrate “not a fundamental change”
- Comment 33 – Understanding of Appendix D, Example 3-1
- Comment 55 – “Criteria” for HSI interface items

RED BIN

Bases for Comment Inclusion

- Not related to digital modifications
- Technical-Related (i.e., not Licensing-related)
- Inconsistent with NEI 96-07 Guidance

RED BIN

Comment 3

- Information Notice (IN) 2012-06 content is not related to digital modifications.
- Several incidents are maintenance related or involve maintenance deficiencies

RED BIN

Comments 8, 29, 44 and 63

- D3 analysis is a technical process.
 - CCF is a technical consideration.
 - BTP 7-19 is a technical process.
 - Coping Analyses are technical evaluations.
 - RG 1.180 provides technical information/considerations.
- **50.59 utilizes technical information, but does not prescribe what technical information is necessary or how to perform the technical review.**

RED BIN

Comment 9a

- 50.59 guidance regarding SSC types already exists
- From NEI 96-07, Rev. 1, Section 3.3, subsection titled “Design Functions”
 - *“Design bases functions are functions performed by [SSCs] that are (1) required by, or otherwise necessary to comply with, regulations, license conditions, orders, or technical specifications, or (2) credited in licensee safety analyses to meet NRC requirements.”*
 - *“Design functions may be performed by safety related SSCs or non safety-related SSCs...”*

RED BIN

Comment 9b

- 50.59 guidance regarding “technical evaluations” already exists
- From NEI 96-07, Rev. 1, Section 4.2.1, subsection titled “Screening for Adverse Effects” and Section 4.2.1.1
 - *“Screening determinations are made based on the engineering/technical information supporting the change.”*
 - *“Technical/engineering information, e.g., design evaluations...may be used as [the] basis for screening out the change.”*
 - *“...based on supporting engineering and technical information...”*

RED BIN

Comment 25b

- 50.59 guidance regarding *complexity* is not pertinent.
- From NRC Memorandum “Review of Lessons Learned from the San Onofre Steam Generator Tube Degradation Event,” March 6, 2015 (Page 13):

“The 10 CFR 50.59 regulations provide a threshold for determining when NRC approval is required to preserve the basis on which the license was issued and does not depend on the size or complexity of the modification under consideration.”

RED BIN

Comment 31

- 50.59 Screen process determines if the impact due to “greater vulnerability to the nuclear power plant EMI/RFI environment” has an adverse impact on design functions.
- The “criteria” is adverse or not adverse.

QUESTIONS / COMMENTS / FEEDBACK

