



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

AUG 17 1978

*Sullivan*  
*Received late*  
*8/24/78 - Tondi*  
*will handle*  
*separately from*  
*his*  
*ballot.*  
*GS*

MEMORANDUM FOR: *✓* W. MORRIS, ASSISTANT DIRECTOR, DES, SD  
FROM: D. E. EISENHUT, ASSISTANT DIRECTOR, S&P, DOR, NRR  
SUBJECT: REVIEW OF IEEE STANDARD 567, DRAFT 4G,  
Dated May 15, 1978

Standard Title: Criteria for the Design of the  
Control Room Complex for a Nuclear  
Power Generating Station

Standard Number: IEEE Standard 567, Draft 4G,  
dated May 15, 1978

Standard Committees: IEEE Power Generator Committee (PGC)  
IEEE Nuclear Power Engineering  
Committee (NPEC)

Regulatory Committee Members: D. Tondi, PGC  
D. Sullivan, NPEC

Reviewing Branch: Plant System Branch

Reviewing Status: Complete

In accordance with your request of July 7, 1978, the Plant Systems  
Branch has reviewed IEEE Standard 567, Draft 4G, dated May 15, 1978.  
We recommend that ballot action for this standard be "Conditional  
Affirmative."

Enclosed are our comments requiring resolution in order to change  
our recommendation to "Affirmative."

*for* *B. Check*  
D. G. Eisenhut, Assistant Director  
for Systems and Projects  
Division of Operating Reactors

Contacts:  
J. Knight, 28077  
M. Chiramal, 28077

cc: V. Stello M. Chiramal  
G. Lainas J. Knight  
F. Rosa C. Miller  
D. Tondi

COMMENTS ON IEEE STD. 567, DRAFT 4G, DATED

MAY 15, 1978

Comments whose resolution is a necessary condition for Approval

Three items on RG. 1.120 which is our guidance on new plants for fire protection have apparently not been included in this draft of the standard. We consider these to be important and should be added to the document.

1. A separate cable spreading room should be provided for each redundant division of cables. Cable spreading room should not be shared between reactors. Each cable spreading room should be separated from the other and from other areas of the plant by barriers with a maximum fire rating of three hours.

The ventilation system to each cable spreading room should be designed to isolate the area upon activation of any gas extinguishing system in the area. Separate, manually actuated, smoke venting, that is operable from outside the room, should be provided for the cable spreading room.

2. If redundant safe-shutdown equipment is located in the same control room cabinet or console, additional fire protection measures should be provided. Alarm and local indication should be provided in the control room.
3. Fully enclosed electrical raceways in underfloor and ceiling spaces, if over one square foot in cross sectional area, should have automatic fire suppression inside. Area automatic fire suppression should be provided for underfloor and ceiling space if used for cable runs unless all cabling is run in 4-inch or smaller steel conduit or the cables are in fully enclosed raceways internally protected by automatic fire suppression.

MEMORANDUM  
OF CALL

TO:

*Mr. Sullivan*

☒ YOU WERE CALLED BY—

☐ YOU WERE VISITED BY—

*Wince Thomas*

OF (Organization)

☐ PLEASE CALL → PHONE NO.  
CODE/EXT.

☐ FTS

☐ WILL CALL AGAIN

☐ IS WAITING TO SEE YOU

☐ RETURNED YOUR CALL

☐ WISHES AN APPOINTMENT

MESSAGE

*Re: comments required on  
IEEE Std. 567 - no comments*

*He suggests ballot  
action approval.*

*MC 9:00*

RECEIVED BY

DATE

TIME

63-109

☆ U.S. GPO: 1975-0-261-617 3300

STANDARD FORM 63 (Rev. 8-76)  
Prescribed by GSA  
FPMR (41 CFR) 101-11.6



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUL 7 1978

MEMORANDUM FOR: S. Hanauer, TA, EDO  
S. Levine, Director, RES  
N. C. Moseley, Director, DROI, IE (4)  
R. Mattson, Director, DSS, NRR  
V. Stello, Director, DOR, NRR (2)  
R. S. Boyd, Director, DPM, NRR (6)  
H. D. Thornburg, Director, DRCI, IE (4)  
H. R. Denton, Director, DES, NRR

FROM: G. A. Arlotto, Acting Assistant Director, DES, SD

SUBJECT: STANDARD REVIEW REQUEST

Your assistance is requested in reviewing the enclosed document and providing me with your comments and recommendations. The following is a summary of this review request:

1. Standard Title: Criteria for the Design of the Control Room Complex for a Nuclear Power Generating Station
2. Standard Number: Proposed IEEE Standard 567, Draft 4G, dated May 15, 1978
3. Standard Committees: IEEE Power Generation Committee (PGC); IEEE Nuclear Power Engineering Committee (NPEC)
4. Regulatory Committee Members: D. Tondi, PGC; D. Sullivan, NPEC
5. SD Cognizant Individual: D. F. Sullivan
6. Requested Action: Review and comment on content and make recommendations for ballot action. If you recommend "Negative" or "Conditional Affirmative," please identify the comments requiring resolution in order to change your recommendation to "Affirmative." In the event that a portion of the standard is incorrect, misleading, or unclear, the reviewers are requested to make specific comments and propose more suitable wording.
7. Requested Completion Date: July 28, 1978

Dupe of

8203030010

JUL 7 1973

8. Background: This proposed standard has been prepared by the Nuclear Power Plant Control and Protection Working Group, Power Plant Control, Protection and Automation Subcommittee of PGC, in liaison with Subcommittee 1 of NPEC. It is being balloted concurrently in PGC and NPEC.

*G. A. Ariotto*  
G. A. Ariotto, Acting Assistant Director  
for General Engineering Standards  
Division of Engineering Standards  
Office of Standards Development

IEEE POWER ENGINEERING SOCIETY  
NUCLEAR POWER ENGINEERING COMMITTEE  
STANDARDS PROJECT P-567

Reviewer: \_\_\_\_\_

Phone No.: \_\_\_\_\_

1. Please indicate your comments and suggested resolution in the columns provided.
2. Please (\*) those that form the basis of any negative ballot.
3. If you need added sheets, please xerox or add similar sheets.

	Comment	Suggested Correction	Resolution by Working Grp.
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