

B2-22

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MEMORANDUM FOR: Gary G. Zech, Chief  
Performance and Quality Evaluation Branch  
Division of Reactor Inspection  
and Licensee Performance

FROM: Richard P. Correia, NRC Coordinator  
for NRC/NUMARC Maintenance Interactions  
Performance and Quality Evaluation Branch  
Division of Reactor Inspection  
and Licensee Performance

SUBJECT: NUMARC PROPOSED EDG RELIABILITY ADDITION TO MAINTENANCE  
GUIDELINE

NUMARC has forwarded, for our review and comment, a proposed addition to the NUMARC maintenance rule implementation guideline, 93-01, revision 2A. The addition is to provide guidance to the industry for incorporating into the maintenance rule implementation process the commitments from the station blackout rule coping analysis for EDG reliability trigger values.

Original signed by:

Richard P. Correia, NRC Coordinator  
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An example where reliability and unavailability could be used as the performance criteria is the emergency diesel generator (EDG). An acceptable approach would be to use the methodology in Appendix D (EDG Reliability Program) of NUMARC 87-00, Rev. 1, "Guidelines and Technical Bases for NUMARC Initiatives Addressing Station Blackout at Light Water Reactors" which details the process for maintaining and monitoring diesel performance consistent with the trigger values identified in Initiative 5A. Utilities have docketed commitments to maintain the EDG reliability target (0.95 or 0.975) used in the coping analysis required by the Station Blackout Rule, 10 CFR 50.63. In 10 CFR 50.65(a)(3) the utility is required to balance the objectives of preventing failures (i.e., reliability) and minimizing unavailability due to monitoring or preventive maintenance (see also Section 12.2.4). The unavailability (or availability) values assumed in the plant specific IPE could also be used as performance criteria for the EDGs.

IF AGREEMENT IS REACHED, COULD BE INSERTED  
AS THIRD PARAGRAPH IN SECTION 9.3.2  
(PERFORMANCE CRITERIA FOR EVALUATING SSCs)