

This page provides an abstract, justification, and target dates for a potential rule that the U.S. Nuclear Regulatory Commission (NRC) has prioritized in its Common Prioritization of Rulemaking listing.

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Defense against Common Mode Failures in Digital Instrumentation and Control Systems (Rev. 2)				
Abstract				
This rule would require applicants for Digital Instrumentation and Control systems to assess the defense-in-depth and diversity of proposed digital instrumentation and control systems to demonstrate that vulnerabilities to common mode failures have been adequately addressed. This is a Nuclear Regulatory Commission staff-initiated activity which was discussed in SRM-SECY-93-087, Item 18.				
Justification				
The rule scores 34 points (14, 6, 10, 4) because of the following reasons: A) Significant contributor to the safety goal (strategies 1 and 3); B) Moderate contributor to the regulatory effectiveness goal (strategies 1 and 2); C) Staff initiated activity with direction from Office of the Executive Director for Operations (OEDO) that addresses a regulatory gap and provides a future regulatory benefit; and D) There is significant interest in this rule from the public.				
Start Dates	Reg Basis Completed	PR Sent to Comm/EDO	FR Sent to Comm/EDO	Publication Date
09/01/2013	05/31/2016	08/31/2017	02/28/2019	08/31/2019