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I&C Equipment Qualification Methods on EMI for Nuclear Power Plants
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Abstract

As the possibility and trend of using digital technology in safety systems for retrofitting in existing plants and newly-using for future nuclear power plant are growing, Electromagnetic Interference (EMI) and Radio Frequency Interference(RFI) are considered as potential common failure causes to microprocessor-based systems for nuclear power plants. This paper presents the current status of EMI qualification methods and suggests the basic approaches and principles of qualification of EMI/RFI for Instrumentation and Control (I&C) equipment for nuclear power plants to be built in the near future.