



Research on Operating Procedure Development in View of RCM Theory

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The operation of NPPs (nuclear power plants) is closely related to SSCs (Structure, System and Component) function implementations and failure recoveries, and strictly follows operating procedure. The philosophy of RCM (Reliability Centered Maintenance) which is a widely-used systematic engineering approach in industry focusing on likewise facility functions and effectiveness of maintenance is accepted in relative analysis of NPPs operation in this paper. Based on the theory of RCM, the paper will discuss general logic of operating procedure development and framework optimization as well combining NPPs engineering design. Since the quality of operating procedures has a significant impact on the safe and reliable operation of NPPs, the paper provides a proposed operating procedure development logic diagramme for reference for the procedure optimization task ahead.