

THE EXELON M&TE GOVERNANCE REVOLUTION

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Abstract

Early in the new century, economic reality is again the mother of invention. When PECO Energy and Unicom merged to Exelon Corporation, it became the owner/ operator of the largest fleet of nuclear power plants in the nation. At 17 plants and growing, it has had to search every aspect of operations for cost competitive advantages. With a total population of over 20,000 items of M&TE and a variety of diverse asset management programs, which came with the merger, this area became a likely candidate for a new approach to M&TE governance.

The proposed paper and presentation, by Exelon Powerlabs, will discuss the key elements and design aspects of the Governance Program developed and implemented across the Exelon Nuclear fleet. Key elements of the paper and presentation will include:

1. Development of a “Standard Instrument Catalog” that reduces the vast variety of models of M&TE across the system. The paper will discuss appropriate criteria, technical problems with a “one size fits all” approach, and their resolution as well as the advantages of standardization including leveraged procurement.
2. Standardizing calibration processes to optimize cost and quality. The paper discusses the technical merits and tradeoffs involved in standardizing methodologies and acceptance criteria across multiple user groups.
3. Establishing centralized “just-in-time” distribution that maintains multiple locations at optimal inventory levels while meeting peak needs (e.g. outages) through shared inventory distribution. The paper examines the intricacies of the logistical studies and the integration of these logistics into a work management system to deliver the needed reliability of the distributions.