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Title	Wire System Ageing Assessment and Condition Monitoring (WASCO)
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Abstract	<p>Nuclear facilities rely on electrical wire systems to perform a variety of functions for successful operation. Many of these functions directly support the safe operation of the facility; therefore, the continued reliability of wire systems, even as they age, is critical. Condition Monitoring (CM) of installed wire systems is an important part of any aging program, both during the first 40 years of the qualified life and even more in anticipation of the license renewal for a nuclear power plant. This report contains the results of experiments performed in collaboration with Tecnatom SA, Spain, to compare several cable condition monitoring techniques including LIRA (Line Resonance Analysis)</p>
Key words	Condition monitoring, cable aging, transmission lines, hot spot detection, fault detection, frequency domain reflectometry, time domain reflectometry, standing wave reflectometry, LIRA

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