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INTERNATIONAL DEVELOPMENTS ON IMPLEMENTATION OF WOG RISK -INFORMED
INSERVICE INSPECTION METHODOLOGY

by

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ABSTRACT

The Westinghouse Owners Group (WOG) risk-informed inservice inspection (ISI) methodology was granted approval by the U.S. Nuclear Regulatory Commission in 1998 thereby providing an alternative to ASME Section XI Code requirements for the selection of examination locations in nuclear plant piping systems. This paper builds upon a technical paper presented at ICONE-8 that reported on the first wave of risk-informed ISI applications under development primarily focusing on those underway within the U.S. Since that time, many applications have continued within the U.S., however, much progress has been made in applying the WOG risk-informed ISI approach in several other countries. While a summary of results across the various applications will be provided, the paper will focus on the development and implementation of the WOG risk-informed ISI methodology across Europe and in Asia for both full scope and limited Class 1 scope applications. An update on future risk-informed applications, such as modifying requirements for augmented examinations for high energy line break exclusion regions and in risk-informing the safety classification of pressure boundary components in support of risk-informed regulation initiatives, will also be provided.