



**U.S. NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

# **Overview of NRC/EPRI NDE MOU**

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NRC/RES/DE/CIB

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# Purpose of MOU

## NRC/EPRI Memorandum of Understanding

- Allows and encourages cooperation in nuclear safety research which provides benefits for both NRC and industry
- Enables technical information exchange and leveraging funds in a mutually beneficial manner

## Under NRC/EPRI MOU

- Independence is to be maintained
- Cooperation or approval does not constitute a binding obligation and does not create an enforceable right of action on the part of either party
- Parties are not to function as an advisory entity
- Coordination of research activities and information sharing is one of the primary benefits of MOU

# NDE Addendum

- Established March 22, 2011 with 5 SOWs
- HDPE SOW added in 2013
- Renewed in 2014 adding modeling SOW
- Current period of performance March 24, 2014 – April 30, 2018
- Revision currently in review cycle extending period of performance to Sept. 30, 2021 and adding a SOW on Human Performance Influences on NDE Reliability
- Greg Selby, EPRI Project Manager
- Carol Nove, NRC Project Manager

# NDE Addendum

## Attachments (Statements of Work) in NDE Addendum

1. Visual Testing\* – NRC NUREG/CR in Review Cycle; EPRI final report (EPRI 3002007793) completed December 2016
2. CASS\* – PNNL participated in CASS RR in FY16. Analysis being conducted in FY 17.
3. UT in Lieu of RT – PNNL TLR on conventional vs. PAUT to be completed in Spring 2017
4. Document history/basis of Appendix VIII - complete
5. RMSE - complete
6. HDPE – on hold
7. UT modeling and simulation\* – active
8. Human performance influences on NDE reliability\* - new activity

\*presentation to follow