

From: [ELDER Heidi \(Framatome\)](#)
Subject: [External_Sender] NRC-21-021 - Technology-Inclusive, Risk-Informed and Performance-Based Regulatory Framework
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Attachments: [image001.png](#)
[NRC-21-021_Final.pdf](#)

Good Afternoon,

Please find the subject correspondence attached to this email. Please direct any questions to Gary Peters or Jeff Whitt.

Best Regards,
Heidi

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May 27, 2021
NRC:21:021

Mr. John Tappert
Director, Division of Rulemaking, Environmental, and Financial Support
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

**Technology-Inclusive, Risk-Informed and Performance-Based Regulatory Framework
for Advanced Reactors**

Dear Mr. Tappert,

Ref. 1: Letter, Shelley Moore Capito (U.S. Senator), Sheldon Whitehouse (U.S. Senator), John Barrasso, M.D. (U.S. Senator), Mike Crapo (U.S. Senator), Cory Booker (U.S. Senator), to The Honorable Christopher T. Hanson, Chairman (NRC), May 25, 2021.

Ref. 2: Letter, Amir Afzali (Southern Company Services), Greg Cullen (Energy Northwest), and Chris Nolan (Duke Energy), to Mr. John Tappert (NRC), "Technology-Inclusive, Risk-Informed and Performance-Based Regulatory Framework for Advanced Reactors," May 21, 2021.

Framatome Inc. (Framatome) supports the ongoing activities by the Nuclear Regulatory Commission to develop a new regulation, Part 53, under Title 10 of the Code of Federal Regulations. Framatome is an active member of the NEI Advanced Reactor Forum, Regulatory Task Force, and HA-LEU Fuel Supply Task Force. We have additionally been involved with advanced regulatory modernization and reactor design activities through the DOE Next Generation Nuclear Plant (NGNP) risk-informed performance-based regulatory development, the DOE sponsored Licensing Modernization Program and the DOE sponsored Technology Inclusive Content of Application Program with Southern Company. Framatome continues to perform our own research and development for a family of modular high temperature gas-cooled reactors with power levels from 625 MWth to 16 MWth without government support.

Framatome supports the U.S. Senators who have provided their support for an accelerated schedule to establish a technology-inclusive regulatory framework for Advanced Nuclear Technologies (Reference 1). We also fully support the industry's efforts to develop a technology-inclusive, risk-informed and performance-based regulatory framework for advanced reactors (Reference 2). Specifically, Framatome supports the inclusion of performance objectives of the regulation in the rule and enabling the development and deployment of owner-controlled programs for managing the reasonable assurance constituent of the regulatory mission while enabling an effective and efficient regulatory inspection and enforcement framework.

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Framatome looks forward to continuing to work closely with our industry counterparts and the NRC in the development of Part 53.

If you have any questions related to this information, please feel free to contact me by telephone at (434) 832-3945 or by e-mail at Gary.Peters@framatome.com or Jeff Whitt by telephone at (434) 832-3827 or by e-mail at Jeff.Whitt@framatome.com.

Sincerely,



Gary Peters, Director
Licensing & Regulatory Affairs
Framatome Inc.

cc: Amir Afzali, Southern Company Services
Gregory Cullen, Energy Northwest
Chris Nolan, Duke Energy
Scott Moore, NRC
Ngola Otto, NRC