



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

June 22, 2020

**MEMORANDUM TO:** Ho K. Nieh, Director  
Office of Nuclear Reactor Regulation

Raymond V. Furstenau, Director  
Office of Nuclear Regulatory Research

John W. Lubinski, Director  
Office of Nuclear Material Safety and Safeguards

**FROM:** Anna Bradford, Director  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

**SUBJECT:** REVISION 1 OF THE ACTION PLAN TO PREPARE THE U.S.  
NUCLEAR REGULATORY COMMISSION FOR REVIEW OF  
INDUSTRY USE OF ADVANCED MANUFACTURING  
TECHNOLOGIES

This memorandum transmits, for your information, Revision 1 to the "United States Nuclear Regulatory Commission Action Plan for Advanced Manufacturing Technologies (AMTs), Revision 1" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19333B980). This updates the initial action plan that was issued on January 25, 2019. The revised action plan updates the status of continued, follow-on, and new tasks to proactively position the NRC for an efficient regulatory review of expected licensee use of AMT.

The objectives of this action plan are to:

- Identify the AMTs most likely to be used for nuclear components that require NRC approval as additional information becomes available,
- Prepare the NRC staff to review regulatory submittals containing components manufactured using AMTs,
- Identify and address AMT characteristics pertinent to safety that are not managed or controlled by codes, standards, regulations, etc.,
- Provide guidance and tools for review consistency, communication, and knowledge management for the efforts associated with AMT reviews, and
- Provide transparency to stakeholders on the process for AMT approvals.

DNRL plans to hold a public meeting with interested stakeholders in July 2020.

Enclosures:

1. United States Nuclear Regulatory Commission Action Plan for Advanced Manufacturing Technologies, Revision 1 – ML19333B973
2. Table 1: Revision 1 AMT Action Plan Tasks, Deliverables and Schedule – ML19333B974
3. Table 2: Status of Tasks, Deliverables and Schedule from Initial AMT Action Plan - ML19333B977
4. OUO Table 3: Revision 1 AMT Action Plan Resource Estimates - ML19333B978

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SUBJECT: REVISION 1 OF THE ACTION PLAN TO PREPARE THE U.S. NUCLEAR REGULATORY COMMISSION FOR REVIEW OF INDUSTRY USE OF ADVANCED MANUFACTURING TECHNOLOGIES DATED JUNE 22, 2020.

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**ADAMS Accession Nos:****Package: ML19333B980****Transmittal Memo: ML19333B972****Rev. 1 Action Plan: ML19333B973****Rev. 1 Deliverables: ML19333B974****Rev. 1 Resource Estimates: ML19333B978****Initial Action Plan Task Status: ML19333B977****\*via-email****NRR-106**

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