

ASME Code Section XI, Div 1

NDE-related Action Items



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NRC – Industry NDE Technical Information Exchange
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**Action Items completed in 2025 and as of January
2026**

Code Case N- XXX – Implementation of Mandatory Appendix IV, Supplement 5

- Supp 5 (*Qualification Requirements for Eddy Current Examination for Surface Breaking Flaws in Components fabricated with Austenitic Stainless Steels or Nickel Alloys Susceptible to Stress Corrosion Cracking*) is in the 2025 Edition of Section XI
 - A separate action is underway at WG - Personnel Qualification & Surface, Visual and Eddy Current Examination to pursue a code case to enable faster implementation

Records 18-1186, 25-690, and
Ballots 24-3554, 25-3611

Incorporation of Code Case N-831-1

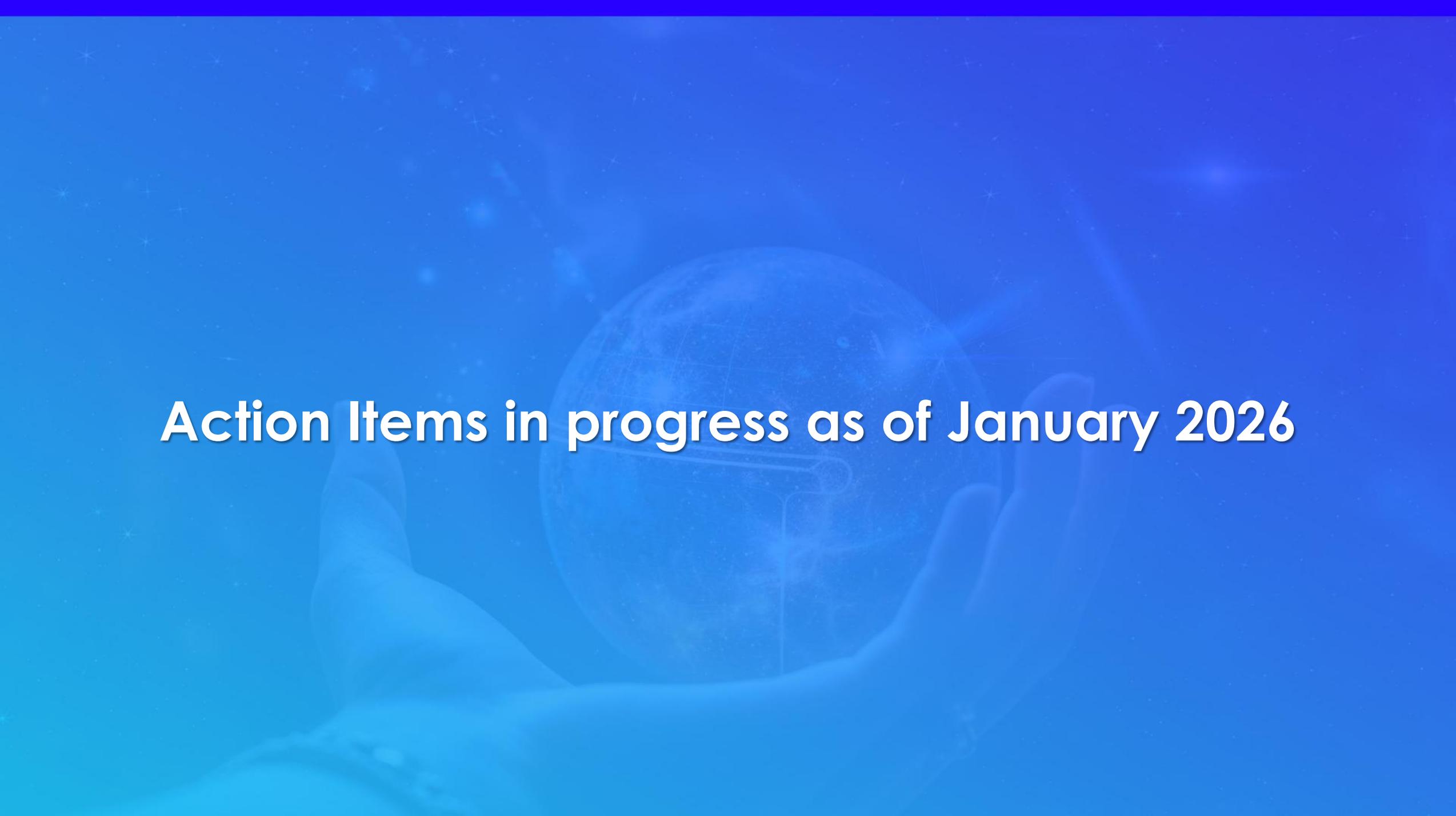
- This included a revision to IWA-4520(b)(2)
 - 2) If the Construction Code requires radiographic examination, the Owner may instead authorize use of ultrasonic examination in accordance with Nonmandatory Appendix AA for ferritic or austenitic pipe welds that are part of a repair/replacement activity
- It deleted IWA-4521 “Ultrasonic Examination Requirements”

Record 13-1725, and
Ballots 24-3554

Revision to Article VIII-4200 and IWA-9000 to address Computerized Systems Utilizing Algorithms or Machine Learning Methods

- Revised VIII-4200 to address computerized systems using algorithms
- Added definitions for “*algorithm, assisted data analysis, autonomous data analysis, and machine learning*” to the glossary, IWA-9000
- To be published in 2027 Edition

Record 24-2301



Action Items in progress as of January 2026

Code Case N-894 – *“New Code Case for Weld Overlay Repairs to Address Fatigue Cracking”*

- This Code Case is Board Approved
- It is considered “In Progress” because it currently does not appear in either Regulatory Guides 1.147 Revision 21 (issued March 2024) nor 1.193 Revision 8 (issued March 2024)

Code Case for Alternative Examination Requirements for Detection of Axially-Oriented Flaws in CASS Piping Components in PWR Main Loop and Surge Line Piping Systems

- Proposes alternative exam rules for axial flaws in PWR CASS piping (main loop & surge lines)
- Exempts axial flaw detection in certain B-F & B-J welds, except in flexible power pressurizer surge lines
- Requires continued monitoring for circumferential flaws and axial flaws in DMWs

Record 23-2033, and
Ballots 24-1483 and 25-3611

Code Case for Alternative Examination Requirements for Detection of Axially-Oriented Flaws in CASS Piping Components in PWR Main Loop and Surge Line Piping Systems (**continued**)

- This item is not yet approved at Standards Cmte with Letter Ballot voting ending on January 20, 2026
- The current voting status is 11 Approved, 0 Disapproved, and 27 Not Returned

Record 23-2033, and
Ballots 24-1483 and 25-3611

Proposed Code Case for Alternative to IWB-3642 for Evaluation of Circumferential Flaws in CASS Piping in PWR Main Loop Piping

- Develops alternative circumferential flaw evaluation for Class 1 CASS piping (NPS > 14) in PWR hot and cold legs (B-F, B-J welds)
- Assumes idealized through-wall flaw without depth sizing, using modified Appendix C
- Limits flaws to $\leq 32^\circ$ angular extent; defers reexamination or repair to next refueling outage
- Applicable to both base-load and flexible operating modes
- Item is at Standards Cmte with Letter Ballot voting **ending on January 20, 2026**
 - The current voting status is 14 Approved, 0 Disapproved, and 24 Not Returned

Record 24-1062, and
Ballot 25-1563 and 25-3650

2026 BPVC Meetings

February 8 – 13, 2026	Virtual Zoom meeting	Virtual – Zoom
May 10 – 15, 2026	In-Person meeting	Denver, CO; Sheraton Denver Downtown
August 9 – 14, 2026	Virtual Zoom meeting	Virtual – Zoom
November 8 – 13: In-Person Meeting	In-Person meeting	TBD



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