Adoption of ASTM E2491 – 2018, Standard Guide for Evaluating Performance Characteristics of Phased-Array Ultrasonic Testing Instruments and Systems as SE-2491. ASTM E2491 is in the background material section of record 20-2680.

In addition, a change to Article 4, XI-435 and XI-462.8.1; changing the reference from ASTM E2491 to SE-2491 as it is part of BPV V.

Additions are in RED; any deletions are in RED ~~Strikethrough.~~

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| Current | Proposed |
| **XI-435**  Known reference standards (e.g., IIW, IIW PA Block Type A, ~~ASTM E2491~~, ISO 19675) shall be used to establish instrument range and delay. | **XI-435**  Known reference standards (e.g., IIW, IIW PA Block Type A, SE-2491, ISO 19675) shall be used to establish instrument range and delay. |

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| Current | Proposed |
| **XI-462.8.1 Resolution Verification.** System resolution  shall be considered satisfactory upon demonstrating  its ability to image the spatial distance between the  SDHs in the calibration block. Alternatively, the SDHs of a known reference standard described in XI-435 (e.g., IIW PA Block Type A, ~~ASTM E2491~~) may be used provided that the depth of the holes falls within the middle third of the examination volume. | **XI-462.8.1 Resolution Verification.** System resolution  shall be considered satisfactory upon demonstrating  its ability to image the spatial distance between the  SDHs in the calibration block. Alternatively, the SDHs of a known reference standard described in XI-435 (e.g., IIW PA Block Type A, SE-2491) may be used provided that the depth of the holes falls within the middle third of the examination volume. |