

SECTION V

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Interpretation: V-13-01

Subject: Article 4, Mandatory Appendix VIII, VIII-434.2.4, and Mandatory Appendix IX, IX-435.2

Date Issued: April 9, 2013

File No.: 12-947

Question: Is the Manufacturer responsible for preparation of the demonstration blocks specified in IX-435.2 of Mandatory Appendix IX including the fabrication of the scanner block per VIII-434.2.4 of Mandatory Appendix VIII?

Reply: The Manufacturer is responsible to ensure preparation of needed demonstration and scanner blocks. Article 4 does not specify who is responsible for actual fabrication of blocks.

Interpretation: V-13-02

Subject: Article 4, T-434.5.1(b)

Date Issued: April 9, 2013

File No.: 12-949

Question: Is it a requirement of T-434.5.1(b) that nozzle calibration blocks can be used only for the specific nozzle wall thickness, T , for which they were fabricated?

Reply: No. See T-434.5.1(e).

Interpretation: V-13-03

Subject: Article 4, T-434.5.1(e) and Figure T-434.5.1

Date Issued: April 9, 2013

File No.: 12-952

Question: May a calibration block fabricated per Figure T-434.5.1 for a nozzle wall thickness, T , of 30 mm ($1\frac{3}{16}$ in.) be used as an alternative calibration block, per T-434.5.1(e), for a nozzle wall thickness of 24 mm ($1\frac{5}{16}$ in.) up to 36 mm ($1\frac{7}{16}$ in.)?

Reply: Yes, provided the side-drilled hole(s) is (are) the same or a smaller diameter than what is required.

Interpretation: V-13-04

Subject: Article 2, T-271.2(a) and T-274.2

Date Issued: April 9, 2013

File No.: 12-983

Question: Are the recommended geometric unsharpness, U_g , values listed in T-274.2 applicable to both single-wall and double-wall radiographic techniques?

Reply: Yes.

Interpretation: V-13-05

Subject: Article 4, Index Offsets for Ultrasonic Scan Plans

Date Issued: April 9, 2013

File No.: 12-1439

Background: Tables VII-421 and VIII-421 of Mandatory Appendices VII and VIII, respectively, list the scan plan as an essential variable for both the written procedure and procedure qualification.

Question: If an examination is being performed in accordance with Article 4, Mandatory Appendix VII or VIII and the written procedure's qualified scan plan requires a change to an essential variable such as different search unit stand-off distances from the weld centerline than stated or an increase or decrease in the number of search units beyond those listed, is requalification required?

Reply: Yes.

Interpretation: V-13-06

Subject: Article 4, Phased Array Ultrasonic Scan Plans

Date Issued: April 9, 2013

File No.: 12-1442

Background: Paragraph T-421.2 states that when procedure qualification is a requirement, a change of a requirement of Table T-421 from its specified value or range of values requires requalification of the written procedure.

Question (1): Does Article 4 specify which requirements listed in Table T-421 must be stated in a written procedure as a single value or as a range of values?

Reply (1): No.

Question (2): Does a written procedure, requiring procedure qualification, require requalification when any essential variable, whether listed as a single value or range of values, is changed?

Reply (2): Yes.