

CHECKLIST FOR UT PROCEDURE

MIL-STD-2132D, Appendix G

Company: _____

Procedure: _____

Revision: _____

USAGE NOTE:

In questions where N/A is grayed out choose YES or NO. An "R" added beside the checkbox is to identify information that is required to be included in the procedure. Make sure this information gets added to the procedure prior to submittal for approval.

Has the subject information been included in the procedure?				"MINIMUM" (SHALL) ATTRIBUTES REQUIRED	
App #	YES	NO	N/A	SUBJECT	MIL-STD-2132D Para.
Base Procedure					
10	<input type="checkbox"/> R	<input type="checkbox"/>		Scope	
20	<input type="checkbox"/> R	<input type="checkbox"/>		Personnel	4.1 & 10 (All)
30	<input type="checkbox"/> R	<input type="checkbox"/>		Equipment	8.2
30.1	<input type="checkbox"/> R	<input type="checkbox"/>		Instrument horizontal and vertical linearity	8.2.1
30.1.1	<input type="checkbox"/> R	<input type="checkbox"/>		Voltage regulation	8.2.3
30.1.2	<input type="checkbox"/> R	<input type="checkbox"/>		Attenuator accuracy	8.2.2
30.1.3	<input type="checkbox"/> R	<input type="checkbox"/>		Equipment stability	
30.2	<input type="checkbox"/> R	<input type="checkbox"/>		Search unit frequency and method	8.3.1.7
30.3	<input type="checkbox"/> R	<input type="checkbox"/>		Shear wave test mode	8.3.1.14
30.4	<input type="checkbox"/> R	<input type="checkbox"/>		Thickness for calibration (variations); Search unit contact area and calibration standard curvature	8.3.1.11; 8.3.1.12
40	<input type="checkbox"/> R	<input type="checkbox"/>		Product form	8.3.1.2, 8.3.1.3 & 8.3.1.4
50	<input type="checkbox"/> R	<input type="checkbox"/>		Ultrasonic couplant	8.3.1.8
60	<input type="checkbox"/> R	<input type="checkbox"/>		Surface Finish	8.3.1.10
70				Calibration requirements	8.4 & 8.3.1.11
70.1	<input type="checkbox"/> R	<input type="checkbox"/>		Calibration standards	8.4.1, 8.4.1.1, 8.4.3.1 & 8.4.3.3
70.1.1	<input type="checkbox"/> R	<input type="checkbox"/>		Acoustic compatibility	8.4.1.2
70.1.1.1	<input type="checkbox"/> R	<input type="checkbox"/>		Longitudinal wave	8.4.1.2.1 & 8.4.2.1
70.1.1.1.1	<input type="checkbox"/> R	<input type="checkbox"/>		Method 1 for same test metal distance	8.4.1.2.1.1
70.1.1.1.2	<input type="checkbox"/> R	<input type="checkbox"/>		Method 2 for different test metal distances	8.4.1.2.1.2
70.1.1.2	<input type="checkbox"/> R	<input type="checkbox"/>		Shear wave	8.4.1.2.2 & 8.4.3.1
70.1.1.3	<input type="checkbox"/> R	<input type="checkbox"/>		Gain compensation	
70.1.1.4	<input type="checkbox"/> R	<input type="checkbox"/>		Pipe and tube	8.4.3.3
70.2	<input type="checkbox"/> R	<input type="checkbox"/>		Calibration Methods	8.4.2.2
70.2.1	<input type="checkbox"/> R	<input type="checkbox"/>		Longitudinal wave	8.4.2.2, Table IV, V & VI
70.2.1.1	<input type="checkbox"/> R	<input type="checkbox"/>		Single flat-bottomed hole method	8.4.2.2.1
70.2.1.2	<input type="checkbox"/> R	<input type="checkbox"/>		Multiple flat-bottomed hole method	8.4.2.2.2
70.2.2	<input type="checkbox"/> R	<input type="checkbox"/>		Shear Wave	8.4
70.2.2.1	<input type="checkbox"/> R	<input type="checkbox"/>		Full-node calibration method	8.4.3.2
70.2.2.2	<input type="checkbox"/> R	<input type="checkbox"/>		Half-node calibration method	8.4.3.2
70.2.2.3	<input type="checkbox"/> R	<input type="checkbox"/>		Calibration for pipe and tube	8.4.3.3 & Table VII
70.2.3	<input type="checkbox"/> R	<input type="checkbox"/>		Calibration gain	8.4.2.2.3
70.2.4	<input type="checkbox"/> R	<input type="checkbox"/>		Frequency of calibration checks	8.4.4

70.2.4.1	<input type="checkbox"/> R	<input type="checkbox"/>		Frequency of calibration	8.4.4.1 & 8.4.4.1.1
80				Scanning	
80.1	<input type="checkbox"/> R	<input type="checkbox"/>		Scanning surface and directions	8.7.8.8
80.2	<input type="checkbox"/> R	<input type="checkbox"/>		Manual scanning	8.3.1.5
80.3	<input type="checkbox"/> R	<input type="checkbox"/>		Automatic scanning	8.3.1.6
80.4	<input type="checkbox"/> R	<input type="checkbox"/>		Sound penetration monitoring	8.4.2.2.3
80.5	<input type="checkbox"/> R	<input type="checkbox"/>		Automatic alarming devices	8.4.2.2.3
90				Ultrasonic evaluation	8.5
90.1	<input type="checkbox"/> R	<input type="checkbox"/>		Indications	8.5.1
90.2	<input type="checkbox"/> R	<input type="checkbox"/>		Loss of back reflection	8.5.2
90.2.1	<input type="checkbox"/> R	<input type="checkbox"/>		Separate test for loss of back reflection	8.5.2.1
90.2.2	<input type="checkbox"/> R	<input type="checkbox"/>		Reporting loss of back reflection	8.5.2.2
90.3	<input type="checkbox"/> R	<input type="checkbox"/>		Traveling indications	8.5.3
90.4	<input type="checkbox"/> R	<input type="checkbox"/>		Instrument gain for evaluation of indications	8.4.2.2.3
100	<input type="checkbox"/> R	<input type="checkbox"/>		Test report	8.6
Addendum					
10	<input type="checkbox"/> R	<input type="checkbox"/>		Addendum number, revision and date	
20	<input type="checkbox"/> R	<input type="checkbox"/>		Part name or identification	
30	<input type="checkbox"/> R	<input type="checkbox"/>		Applicable specification(s), revision(s), ordering requirements	
40	<input type="checkbox"/> R	<input type="checkbox"/>		Material form	8.3.1.2
50	<input type="checkbox"/> R	<input type="checkbox"/>		Technique	
60				Acoustic Compatibility	8.4.1.2
60.a	<input type="checkbox"/> R	<input type="checkbox"/>		Logitudinal wave: Method 1 and/or Method 2	8.4.1.2.1 & 8.4.2.1 Method 1: 8.4.1.2.1.1 Method 2: 8.4.1.2.1.2
60.b	<input type="checkbox"/> R	<input type="checkbox"/>		Shear wave: Full-node and/or Half-node	8.4.3 Full: 8.4.3.1 Half: 8.4.3.2
70				Calibration Method	8.4.2.2
70.a	<input type="checkbox"/> R	<input type="checkbox"/>		Logitudinal wave: single FBH and/or multiple FBH	Single: 8.4.2.2.1 Multi: 8.4.2.2.2
70.b	<input type="checkbox"/> R	<input type="checkbox"/>		Shear wave: Full-node and/or Half-node	8.4.1.2.2
80	<input type="checkbox"/> R	<input type="checkbox"/>		Special search units	
90	<input type="checkbox"/> R	<input type="checkbox"/>		Instructions for setting automatic DAC or gain compensation	
100	<input type="checkbox"/> R	<input type="checkbox"/>		Instructions for setting gates/alarms	
110	<input type="checkbox"/> R	<input type="checkbox"/>		Instructions for setting scanning, gain, overlap, and speed for rotating and/or feed mechanisms, for manual and/or automatic scanning	8.3.1.5 & 8.3.1.6
120	<input type="checkbox"/> R	<input type="checkbox"/>		Reporting requirements	8.6
130	<input type="checkbox"/> R	<input type="checkbox"/>		Acceptance criteria	
140	<input type="checkbox"/> R	<input type="checkbox"/>		Sketch(es) shall be attached	8.7, 8.7.1, & 8.8
150	<input type="checkbox"/> R	<input type="checkbox"/>		Any additional Information	
160	<input type="checkbox"/> R	<input type="checkbox"/>		NDT Examiner's signature	