

U. S. Department Of Labor Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u>  A-541 Headquarters A-544 All Field Tech A-547 SD+RD SAC+; Lab. Com	<u>Subject:</u> National Standards of Apprenticeship for the Board of Trustees of the Non-Destructive Testing Joint Training Fund Trust  <u>Code:</u> 400.1
Symbols: DSNIP/JP		Action: Immediate

**PURPOSE:** To transmit to the Office of Apprenticeship Training, Employer and Labor Services (OATELS), Bureau of Apprenticeship and Training (BAT) Staff, National Standards of Apprenticeship developed for the Board of Trustees of the Non-Destructive Testing Joint Training Fund Trust, for the occupation of Non-Destructive Tester (Technician).

OATELS Administrator Anthony Swoope adopted and approved the attached National Standards as part of the National Apprenticeship System on October 15, 2004.

**BACKGROUND:** The Board of Trustees of the Non-Destructive Testing Joint Training Fund Trust in Cooperation with the United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada, AFL-CIO and the International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers, AFL-CIO and the Non-Destructive Technician Contractor Association developed these Joint Apprenticeship and Training Standards for the training of Non-Destructive Tester (Technician).

The Non-Destructive Tester (Technician) occupation is a 4,000 hour competency-based training program which covers a 36 month term. The attached work process outline (Appendix "A") describes the training criteria for the qualification and certification of Non-Destructive Technicians by the Quality Control Council of the USA (QCC/USA).

The revised Non-Destructive Tester occupation has been added to the list of Apprenticeship Occupations, as a competency-based occupation identified by RAIS Code "1010-CB."

If you have any questions please contact an OATELS representative at (202) 693-3813.

**ACTION:** This information is being provided to OATELS/BAT field staff for informational purposes only.

**NOTE:** This Bulletin is being sent via Electronic Mail (e-mail).

Attachment: Work Processes Outline for the Non-Destructive Tester (Technician) occupation.

**NON-DESTRUCTIVE TESTER (Technician)**  
RAIS CODE: 1010 O\*NET CODE: 17-3029.99  
**WORK PROCESSES AND RELATED INSTRUCTION OUTLINE**

<u><b>NDT Method</b></u>	<u><b>Training Level</b></u>	<u><b>Approximate Hours</b></u>
<b>RAIS Code: 1010-A</b> Radiographic Technician (RT)	Level I	3 months (500) hrs of OJL 40 hrs related training
	Level II	9 months (1,500) hours of OJL 40 hrs of related training
	Level II Limited	6 months (1,000) hrs of OJL 40 hrs of related training
<b>RAIS Code: 1010-B</b> Penetrant Technician (PT)	Level I	One month (166) hrs OJL 4 hrs related training
	Level II	2 months (332 hrs) of OJL 8 hrs related training
	Level II Limited	2 months (332 hrs) of OJL 8 hrs related training
<b>RAIS Code: 1010-C</b> Magnetic Particle Technician (MT)	Level I	One month (166) hrs OJL 12 hrs related training
	Level II	3 months (500 hrs) of OJL 8 hrs related training
<b>RAIS Code: 1010-D</b> Ultrasonic Technician (UT)	Level I	3 months (500 hrs) of OJL 40 hrs related training
	Level II	9 months (1,500) hours of OJL 40 hrs related training
	Level II Limited	6 months (1,000) hrs of OJL 20 hrs related training
<b>RAIS Code: 1010-E</b> Visual Technician (VT)	Level I	One month (166) hrs OJL 8 hrs related training
	Level II	2 months (332 hrs) of OJL 16 hrs related training
<b>RAIS Code: 1010-H</b> Thermal Infrared Technician (TIT)	Level I	One month (166) hrs OJL 32 hrs related training
	Level II	2 months (332 hrs) of OJL 34 hrs related training

<b><u>NDT Method</u></b>	<b><u>Training Level</u></b>	<b><u>Approximate Hours</u></b>
<b>RAIS Code: 1010-F</b> Eddy Current Technician (ET)	Level I	3 months (500 hrs) of OJL 40 hrs related training
	Level II	9 months (1,500) hours of OJL 40 hrs related training
<b>RAIS Code: 1010-G</b> Acoustic Emission Technician (AET)	Level I	3 months (500 hrs) of OJL 40 hrs related training
	Level II	9 months (1,500) hours of OJL 40 hrs related training
<b>RAIS Code: 1010-J</b> Leak Testing Pressure Change Technician	Level I	1.5 months (250 hrs) of OJL 24 hrs related training
	Level II	4 months ( 665 hrs) of OJL 16 hrs related training
<b>RAIS Code: 1010-K</b> Leak Testing Halogen Diode	Level I	1.5 months (250 hrs) of OJL 12 hrs related training
	Level II	4 months ( 665 hrs) of OJL 8 hrs related training
<b>RAIS Code: 1010-L</b> Leak Testing Mass Spectrometer Technician	Level I	4 months ( 665 hrs) of OJL 40 hrs related training
	Level II	6 months (1,000 hrs) of OJL 24 hrs related training