



AMERICAN SOCIETY for NONDESTRUCTIVE TESTING

Recommended Practice

No. SNT-TC-1A (June 1975 Edition)

THIS DOCUMENT IS INTENDED AS A GUIDELINE FOR EMPLOYERS TO ESTABLISH THEIR OWN WRITTEN PRACTICE FOR THE QUALIFICATION AND CERTIFICATION OF THEIR NDT PERSONNEL. IT IS NOT INTENDED TO BE USED AS A STRICT SPECIFICATION.

AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

Recommended Practice No. SNT-TC-1A • June 1975 Edition

FOREWORD

The recommended practice contained herein establishes the general framework for a qualification and certification program. In addition, the document provides recommended educational, experience, and training requirements for the different test methods. Supplementary documents include question and answer lists which may be used in composing examinations for nondestructive testing personnel.

Inquiries related to this recommended practice should be directed to the Chairman of the Personnel Qualification Division, attention of the Technical Director, at the following address:

The American Society for Nondestructive Testing
914 Chicago Avenue
Evanston, Illinois 60202

Copyright© 1975 by the American Society for Nondestructive Testing
914 Chicago Avenue, Evanston, Illinois 60202
Printed in the USA

CONTENTS

PERSONNEL QUALIFICATION AND CERTIFICATION IN NONDESTRUCTIVE TESTING

4	Scope
4	Definitions
4	Nondestructive Test Methods
4	Levels of Qualification
5	Written Practice
5	Education, Training and Experience
6	Table 6.2.1A Recommended Training and Experience Minimum Levels
7	Training Programs
7	Examinations
10	Certification
10	Termination

Recommended Practice No. SNT-TC-1A

PERSONNEL QUALIFICATION AND CERTIFICATION IN NONDESTRUCTIVE TESTING

1. SCOPE

- 1.1 It is recognized that the effectiveness of nondestructive applications depends upon the capabilities of the persons who are responsible for, and carry out nondestructive testing (NDT). This Recommended Practice has been prepared to establish guidelines for the qualification and certification of nondestructive testing personnel whose specific jobs require appropriate knowledge of the technical principles underlying the nondestructive tests they perform, witness, monitor, or evaluate.
- 1.2 This document provides guidelines for the establishment of a qualification and certification program.
- 1.3 These guidelines have been developed by the American Society for Nondestructive Testing to aid employers in recognizing the essential factors to be considered in qualifying employees engaged in any of the test methods listed in Par. 3.
- 1.4 It is recognized that these guidelines may not be appropriate for certain applications. In developing his written practice as required by Par. 5, the employer shall review the detailed recommendations presented herein, and shall modify them as necessary to meet his particular needs.

2. DEFINITIONS

- 2.1 Terms included in this document are defined as follows:
 - a. Qualification—Skill, training, and experience required for personnel to properly perform the duties of a specific job.
 - b. Certification—Written testimony of qualification.

- c. Certifying Agency—The employer of the personnel being certified.
- d. Recommended Practice—A set of guidelines to assist the employer in developing uniform procedures for the qualification and certification of nondestructive testing personnel to satisfy his specific requirements.
- e. Employer—The corporate or private entity which employs personnel for wages or salary.
- f. Training—The program developed to impart the knowledge and skills necessary for qualification.

3. NONDESTRUCTIVE TEST METHODS

- 3.1 Qualification and certification of nondestructive testing personnel in accordance with this Recommended Practice shall be applicable to each of the following methods:
 - a. Radiographic Testing (RT)
 - b. Magnetic Particle Testing (MT)
 - c. Ultrasonic Testing (UT)
 - d. Liquid Penetrant Testing (PT)
 - e. Eddy Current Testing (ET)
 - f. Neutron Radiographic Testing (NRT)
 - g. Leak Testing (LT)

4. LEVELS OF QUALIFICATION

- 4.1 There shall be three basic levels of qualification. These levels may be further subdivided by the employer to acknowledge that additional levels of skills and responsibility may be necessary for specific NDT applications.
- 4.2 In the process of being qualified and certified to at