

**INFORMATION BULLETIN**  
**NATIONAL TRAINING COURSE IN THERMAL/INFRARED TESTING**  
**LEVEL 1**

The Philippine Society for Nondestructive Testing, Inc. (PSNT) in cooperation with the Philippine Nuclear Research Institute (PNRI), are offering a Training Course in Thermal/Infrared Testing – Level 1 at the PNRI Compound, Diliman, Quezon City.

The course will cover forty (40) hours of training. Training sessions require full day attendance of the participants from 8:00 AM to 5:00 PM daily.

**OBJECTIVES**

Pursuant to the implementation of a UNDP/IAEA Regional Cooperation Agreement Project (RAS/79/061) in the Asia Pacific Regions on the Industrial Applications of Radiation, Sub-project: Nondestructive Testing (NDT), the PSNT aim to promote and upgrade the practice of NDT personnel and harmonize the qualifications and professional standards of NDT personnel. The training course is also part of the training requirements based on the Philippine Standards, PNS/ISO 9712 version 2006 “Qualification and Certification of NDT Personnel”. The course also meets the training requirements of EN 4179 and NAS 410.

**PARTICIPATION**

The course is open to the following:

- Holders of a bachelor’s degree in engineering or physical sciences; and
- Individuals who have completed at least two years of college education with at least 6 months of experience.

**NATURE AND SCOPE**

The course will consist of lectures by local experts. The syllabus is based on the Philippine Standard PNS/ISO 9712 version 2006 (based on the IAEA – TECDOC – 628) on the qualification and certification of NDT personnel.

Topics to be covered during the course:

1. The Nature of Heat
2. Temperature
3. Heat Transfer Modes Familiarization
4. Radiosity Concepts Familiarization
5. Introduction- Thermography
6. Checking Equipment Calibration with Blackbody References
7. Infrared Image and Documentation Quality
8. Support data Collection
9. Detecting Thermal Anomalies Field Quantification of Point Temperatures

## **FINANCIAL REQUIREMENT**

The training fee per participant is TWENTY-FOUR THOUSAND PESOS only (P24,000.00) for Level 2 and TWENTY-FIVE THOUSAND PESOS only (P25,000.00) for Level 3, payable to the PHILIPPINE SOCIETY FOR NON-DESTRUCTIVE TESTING, INC upon registration.

## **OTHER DETAILS**

For further inquiries, please contact:

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