



# IRNDT Central Certification Program for NDT Personnel

IRNDT CP-01

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انجمن بازرسی غیرمخرب ایران  
Iranian Society for Nondestructive Testing (IRNDT)

## Forward

This document establishes the requirements for the IRNDT Central Certification Program (IRCCP). The IRCCP has been developed to improve NDT reliability by providing standardized requirements administered by an accredited certification body. The program will provide prospective employers with NDT personnel that have achieved a high level of performance and competency within the NDT profession.

Individuals that successfully meet the training, experience and examination requirements of this document for a specified level of qualification covered by this document will have met or exceeded the same time requirements as listed in the following documents:

ASNT Recommended Practice No. SNT-TC-1A, Personnel Qualification and Certification in Nondestructive Testing

ANSI/ASNT CP-189, ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel

ISO 9712 Nondestructive Testing – Qualification and Certification of NDT Personnel

ASNT ACCP-CP-1, ASNT Central Certification Program

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## 1.0 Scope

This document establishes the system for central certification of Nondestructive testing (NDT) administered and maintained by the Iranian Society for Nondestructive Testing (IRNDT). The purpose of the IRNDT Central Certification Program (IRCCP) is to provide the industry with personnel who have achieved a high standard of NDT qualification by examination, and independent, transportable NDT certification. The program will promote national and international acceptance of NDT certification and reduce the need for multiple audits of certification program. This program has no restrictions relative to gender, creed, race or nationality of applicants.

The following nondestructive test methods are covered by this document. The abbreviation used for each test method is shown in parentheses:

- a) Magnetic Particle Testing (MT)
- b) Liquid Penetrant Testing (PT)
- c) Radiographic Testing (RT)
- d) Ultrasonic Testing (UT)
- e) Visual and Optical Testing (VT)
- f) Electromagnetic Testing (ET)

Note: Other NDT methods may be added to this program as industry need is identified.

## 2.0 Definitions

- 2.1. **ASNT NDT Level III:** An individual who, having passed ASNT administered Basic and Method(s) Examinations holds a current, valid ASNT NDT Level III certificate in at least one method.
- 2.2. **Authorized Examination Center (AEC):** A site with facilities and personnel, independent of the employer, approved by IRNDT Certification Management Council (CMC) to administer NDT qualification examinations.
- 2.3. **Authorized Qualifying Body (AQB):** A 3rd-Party certification body approved by IRNDT Certification Management Council (CMC) in accordance with the CMC Program Comparison Procedure document PCP-01.

The IRNDT Certification Management Council (CMC) shall be responsible for the comparison of 3rd-Party Bodies through the use of audits/surveys, review of program documents, written and operational examination data, and other pertinent information as described in the Program Comparison Procedure (PCP-01) document.

- 2.4. **Candidate:** An individual seeking certification in accordance with this document.
- 2.5. **Certificate:** Written testimony of qualification.
- 2.6. **Certification Body:** The body of volunteer subject matter experts responsible for the development and maintenance of all IRNDT certificate requirements. The IRNDT Certification Body is the Certification Management Council (CMC).

- 2.7. Employer or Responsible Agency:** The corporate, private or public entity that directly employs NDT personnel for wages or salary.
- 2.8. Employer Authorization:** The process whereby an employer's NDT level III reviews the certificates of IRNDT Central Certification for employer's NDT personnel, determines if further examination is required (see job specific examination in 7.4) and then, on behalf of the employer, authorizes personnel to perform NDT for that employer.
- 2.9. Evaluation:** Comparing the specification of discontinuity with acceptance criteria on base of code, standard, technical specification or test procedure and determining acceptability, rejection or repair
- 2.10. Examination, Basic:** A written examination required passing to obtain IRCCP level III Certificate according to this standard covering knowledge of this standard, materials science and production processes technology and the basic principles of NDT methods as required for Level II as outlined in ANSI/ASNT CP-105.
- 2.11. Examination General:** A Level I or Level II written examination covering the principles, fundamentals and theory of NDT method.
- 2.12. Examination, Job-specific:** Any additional examination concerned with the application of NDT method to a specialized product not commonly involved in a particular industrial sector.
- Note:** Job specific examinations are outside the scope of this document.
- 2.13. Examination, Method:** A Level III written examination which assesses the overall knowledge of the Level III candidate in the NDT test method for which certification is sought.
- 2.14. Examination, Practical:** An examination designed to assess the candidate's actual application of a specific NDT method or technique to test specimens to detect, identify and record discontinuities in those samples.
- 2.15. Examination, Procedure Preparation:** A level III examination in which an IRCCP Level III candidate demonstrates the ability to write an NDT procedure for the applicable test method based on a code or specification.
- 2.16. Examination, Renewal:** An abbreviated written or practical examination requiring the candidate to demonstrate their continued knowledge or ability in the applicable test method or technique.
- 2.17. Examination, Specific:** A written examination concerned with the application of an NDT method in a particular industrial sector or sectors, which includes knowledge of the product and related codes, standards, specifications and acceptance criteria.
- 2.18. Experience:** The time period during which the candidate performs the specific NDT method or technique under general supervision, including personal application of the NDT method to materials, parts or structures.
- 2.19. Industrial Sector (IS):** A particular area in industry or technology where specialized NDT practices are utilized requiring specific skill, knowledge, equipment or training to achieve satisfactory performance.

- 2.20. Interpretation:** Observing and assessing findings of test as signal, indication or image from any discontinuity and determining the specification as type, location, size, extend and concentration rate of it without judging on accepting or rejection.
- 2.21. IRCCP Certification:** The process whereby IRNDT certifies that an individual has met the requirements of this document for the levels of qualification designated herein as IRCCP Level I or IRCCP Level II or IRCCP Level III in a given NDT method, technique or industrial sector.
- 2.22. IRCCP Level I, II and III:** An individual who, having passed the requirements of IRCCP Certification and holds a current, valid certificate according to this standard.
- 2.23. NDT Instruction:** A description of the steps to be followed when performing an NDT technique, developed in confirmation with a procedure.
- 2.24. NDT Instructor:** A person able to demonstrate the skills and knowledge to plan, organize, and present classroom, laboratory, demonstration, and/or on-the-job NDT instruction, training, and/or education program.
- 2.25. NDT Method:** Application of a physical principle in nondestructive testing (e.g. Ultrasonic Testing)
- 2.26. NDT Procedure:** A written description that establishes minimum requirements for performing an NDT method on any object, written in accordance with established standards, codes, or specification.
- 2.27. NDT Technique:** Specific way of utilizing an NDT method (e.g. water washable penetrant testing technique)
- 2.28. NDT Training:** process of instruction in theory and practice in the NDT method in which certification is sought, which takes the form of training courses to an approved syllabus, but shall not include the use of specimens used in practical examinations.
- 2.29. On-the-job Training:** The practical application of an NDT test method in production or field conditions under the direct supervision of IRCCP level II or Level III person in the applicable test method.
- 2.30. Period of validity:** The time period for which IRCCP Certification is considered valid as detailed in this document.
- 2.31. Period of Training:** Instruction in which the personnel being trained are instructed in the hands-on set-up and use of equipment in the applicable test method.
- 2.32. Qualification:** Demonstration or possession of education, skills, training, knowledge, and experience required for personnel to properly perform NDT to a level as specified in this document.
- 2.33. Renewal by Points:** The renewal of IRCCP certificate at the end of the first period of validity after examination and at 5 years intervals.
- 2.34. Renewal Points:** Credits accumulated as detailed in this document that demonstrates that the certificate holder has remained current in the field of NDT.
- 2.35. Renewal by Examination:** The renewal of an IRCCP certificate by examination at the end of any period of validity as specified by this document.

- 2.36. Significant Interruption:** A period of time in which a person does not perform the NDT activities using the test method or technique in the industrial sector for which certification is held as defined by this document.
- 2.37. Supervision, Direct:** Line-of-sight supervision during the inspection process by a person qualified to level II or Level III in the applicable test method.
- 2.38. Supervision, General:** the act of directing the application of NDT test methods performed by other NDT personnel which includes the control of actions involved in the preparation of the test, performance, of the test and reporting of the results.
- 2.39. Test Specimen:** a sample of a product form containing known discontinuities used in practical examinations.
- NOTE:** Test specimens should be representative of products typically tested in the applicable industrial sector and may include more than one area or volume to be tested.
- 2.40. Trainee:** An individual who works under the supervision of certified personnel but who does not conduct any tests independently, does not interpret test results and does not write report on test results.

Note: A trainee may be registered as being in the process of gaining appropriate experience to establish eligibility for qualification to direct access to level II.

### **3.0 Categories of Qualification**

The categories of qualification for the IRCCP are defined as the job skills, necessary to adequately perform the NDT activities required within test method for the level of qualification indicated. Qualified personnel shall be cognizant in the subject material contained in the test method body of knowledge for the applicable test method and level of qualification.

#### **3.1. IRCCP Level I:**

IRCCP Level I Individual shall be properly qualified to perform specific set up and calibration of equipment, specific NDT, and specific interpretation and specific evaluation for acceptance or rejection determination according to written instruction and record results. The IRCCP Level I should receive the necessary instruction and supervision from a certified IRCCP Level II or III individual. Test report shall be approved by a certified IRCCP Level II or III individual.

#### **3.2. IRCCP Level II:**

An IRCCP Level II individual shall have besides of all capabilities and responsibilities of IRCCP Level I, the skills and knowledge to setup and calibrate the equipment, conduct NDT, interpret, evaluate document and report results with respect to applicable codes, standards, technical specification, and procedures approved by IRCCP Level III certificate holder in the same method. The IRCCP Level II should exercise assigned responsibility for on-the-Job training and providence of trainees and NDT Level I Persons.

### **3.3. IRCCP Level III:**

An IRCCP Level III individual shall have besides of all capabilities and responsibilities of IRCCP Level II, the skills and knowledge to establish techniques, to interpret codes, standards, and specifications, to designate the particular technique to be used, and to prepare or approve procedures and instructions. An IRCCP Level III shall also have general familiarity with other NDT methods and be capable of conducting or directing the training and examination of NDT personnel in the methods for which is qualified. An IRCCP Level III shall have knowledge of materials, fabrication, and product technology, in order to establish techniques and to assist in establishing acceptance criteria when none are otherwise available.

### **3.4. Limited Certification:**

This category of qualification is available to IRCCP level II personnel who wish to gain certification in specific testing techniques within a given test method as described in Table 3.

## **4.0 Responsibilities**

### **4.1. IRNDT**

- 4.1.1.** IRNDT shall maintain their status as an accredited certification body and full member and representative of Iranian NDT society in International Committee for NDT (ICNDT).
- 4.1.2.** IRNDT shall initiate, maintain and promote the IRCCP as specified in this document.
- 4.1.3.** IRNDT shall oversee procedures for, and operation of, the IRCCP in accordance with this document, and IRNDT shall maintain ultimate responsibility for IRCCP.

### **4.2. Certification Management Council (CMC)**

The IRNDT Certification Management Council is the IRNDT certification committee and shall be made up of NDT subject matter experts that serve as the certification committee for IRNDT. Their role shall be as follows:

- 4.2.1.** The CMC shall develop and maintain the content of all IRCCP qualification examinations.
- 4.2.2.** The CMC shall develop procedures for the IRCCP including establishment of IRCCP requirements for AQB's and AEC's.
- 4.2.3.** The CMC shall determine, define and implement Industrial Sectors (ISs) within the IRCCP.
- 4.2.4.** The CMC shall approve all AQB's and AEC's.
- 4.2.5.** The CMC may establish a procedure and requirements to evaluate other NDT certificates to issue IRCCP certificates by waiving some parts of IRCCP requirements.



### 4.3. Authorized Qualifying Bodies (AQBs)

- 4.3.1. AQBs may perform those functions of the IRCCP for which they have been authorized by CMC under the Program Comparison Procedure PCP-01.
- 4.3.2. AQBs may authorize AECs when permitted to do so by the CMC, only if the CMC provides final approval of the AECs.

### 4.4. Authorized Examination Centers (AECs)

- 4.4.1. AECs, when authorized by the CMC, may be established at the same site as that of AQBs.
- 4.4.2. AECs may perform those examination functions of the IRCCP for which they have been authorized by the CMC.

## 5.0 Industrial Sectors

Industrial sectors (ISs) shall be established when it can be shown that specific NDT skills or demonstrated knowledge above and beyond the standard NDT certification procedures is required and that the development of such a Sector is viable and will be supported by that segment of industry. Sectors may be developed at the request of industry participants or at the initiative of the Certification Management Council. Once established, all Industrial Sector examinations will be developed, maintained and administered following CMC procedures. Industrial Sector examinations, once developed, may be administered directly by IRNDT or through AQBs or AECs. Current and proposed CMC Industrial Sectors will be as table 1:

**Table 1: Industrial Sectors**

Sector	Description
General Industry (GI)	Intended for personnel working in accordance to multiple industry codes, standards and specifications for general construction needs.
Pressure Equipment (PE)	Intended to address the needs of the Boiler and Pressure Vessel industry, and is designed for NDT personnel working predominantly in accordance with the ASME B&PV Code, the ANSI/ASME B31.1 & B31.3, IPS and IGS Codes or equivalent standards.
Aviation/Aerospace (AA)	Intended for personnel working in the Aviation or aerospace industry.
Oil, Gas & Petro-Chemical (OGP)	Intended to address the needs of the Petro-Chemical industry, and is designed for NDT personnel working predominantly in accordance with API 1104, ANSI/ASME B31.3, the ASME B&PV Code or equivalent standards.
Steel Structure (SS)	Intended for personnel working in the Building or Bridge industry in accordance with AWS D1.1, AWS D1.5 or Iranian National Building Regulations.

## 6.0 Eligibility for Examination

- 6.1. IRCCP Level I & II candidates shall have met the training requirements shown in Table 2 and 3 for the applicable test method(s) and shall submit documentation of the hours claimed.

**Table 2: Initial Training Requirements**

Method	Level I (hours)	Level II (hours)	Level III (hours)
ET	40	48	48
PT	16	24	24
MT	16	24	32
RT	40	80	40
UT	40	80	40
VT	16	24	24

**Table 3: Initial Training Requirements for Limited Certification**

Method	Limited Certification	Technician's Starting Point	Level II (hours)
RT	Film Interpretation (RTI)	Non-Radiographer	40
	Film Interpretation (RTI)	RT Level I	24
UT	Digital Thickness Measurement (numeric output only) (TM)	Trainee	8
	A-scan Thickness Measurement (TM)	Trainee	24

Note 1: Training hours may include both practical and theory courses.

Note 2: Practical training may not make up more than 50% of the overall level I & II training curriculum.

Note 3: Direct access to Level II requires the total hours for Levels I and II.

Note 4: The training duration may be reduced by approval of CMC up to 50%.

Note 5: Training outlines and references are according to ANSI/ASNT CP-105.

Equivalent training: For personnel previously approved/certified under other recognized NDT qualification programs, the adequacy of their previous training to the requirements of Table 2 and 3 must be documented and acceptance of that documentation will be determined by IRNDT CMC.

- 6.2. IRCCP Level III candidates must satisfy one of the following sets of criteria to be eligible to examine:
- 6.2.1. Have graduated from a minimum four-year\* College or university curriculum with a baccalaureate degree in engineering or science, plus one (1) additional year of experience beyond the level II requirements in NDT in an assignment comparable to that of an NDT Level II in the applicable NDT method(s), or
  - 6.2.2. Have completed with passing grades at least two years of engineering or science study at a university, college, or technical school, plus two (2) additional years of experience beyond the level II requirements in NDT in an assignment at least comparable to that of NDT Level II in the applicable NDT method(s), or

**6.2.3.** Have four (4) years experience beyond the level II requirements in NDT in an assignment at least comparable to that of an NDT Level II in the applicable NDT method(s).

\* Equivalent baccalaureate degrees from an accredited 3-year program will be accepted for international candidates.

**6.3.** For IRCCP Level III candidates with a currently valid ASNT NDT Level III certificate in the applicable test method(s) the Basic and Method Examination is waived.

Note: Other valid NDT Level IIIs should be evaluated and approved by CMC.

## 7.0 Qualification Examinations

### 7.1. IRCCP Level I & Level II

**7.1.1. General Written Examination:** This examination shall consist of a minimum of 40 questions that assess the candidate's knowledge of the theory, fundamentals and principles within the applicable test method.

**7.1.2. Specific Written Examination:** This examination shall require candidates to read applicable code, standard, procedure specific to the Industrial Sector and test method for which certification is sought, and to answer a minimum of 20 questions based on that document.

#### **7.1.3. Practical Examination:**

**7.1.3.1. Level I:** This examination assesses the candidate's ability to perform NDT in each applicable test technique on a minimum of One (1) CMC approved test specimens. The specimen(s) and area(s) of interest shall contain actual or artificially induced discontinuities representing those discontinuities found in the product type and industry Sector for which certification is sought. Candidates must locate and interpret (and not evaluate against acceptance criteria) discontinuities and shall properly document test results.

**7.1.3.2. Level II:** This examination assesses the candidate's ability to perform NDT in each applicable test technique on a minimum of two (2) CMC approved test specimens. When designed by the CMC, multiple areas of interest may be contained in one test specimen. The specimens and areas of interest shall contain actual or artificially induced discontinuities representing those discontinuities found in the product type and industry Sector for which certification is sought. Candidates must locate, interpret and evaluate discontinuities and shall properly document test results. The practical examination shall also require that the candidate prepare a written work instruction or technique sheet sufficient to permit a 3rd-party to recreate or duplicate the examination in question.

**7.1.4. Industry Specific Examinations:** If an industry has developed examinations that meet their specific needs and that meet or exceed that requirements of the equivalent IRCCP examinations, upon approval of the CMC these examinations may be used in lieu of the IRCCP examinations for that Sector. If

Industry Specific examinations are used, the certification documentation shall clearly indicate the industry sector for which certification has been granted.

**7.2. IRCCP Level III:**

**7.2.1. Basic Examination:** This written examination consist of a minimum of 95 questions that assess the candidate’s knowledge in the following areas:

- 7.2.1.1. NDT certification programs in accordance with IRNDT CP-01 and ASNT Recommended Practice SNT-TC-1A.
- 7.2.1.2. Material, fabrication and product technology; and
- 7.2.1.3. General knowledge of other common NDT methods.

**7.2.2. Method Examination:** This written examination consists of a minimum of 90 questions that assess the candidate’s knowledge and application of fundamentals, principles and techniques for that method in which certification is sought.

**7.2.3. Procedure Preparation Examination:** This written examination requires candidates to demonstrate the ability to prepare an NDT procedure for the applicable test method for a specific part based on a supplied NDT specification commonly used in the applicable Industry Sector.

**7.2.4. Practical Examination:** All IRCCP Level III candidates shall be required to pass the full IRCCP Level II Practical Examination (for all techniques) as detailed in 7.1.3. Candidates holding limited IRCCP Level II certification(s) must take a practical examination on at least one test specimen in each remaining test technique but shall examine on a minimum of two (2) test specimens within the applicable test method.

**7.2.5.** If an examination is required for both Level II and Level III Certification, those examination requirements are waived for Level III candidates that hold a currently valid IRCCP Level II certificate.

**7.3. Passing grade:** Examinations for qualification of all levels shall result in a passing composite grade of at least 80 percent, with no individual examination having a passing grade less than 70 percent.

**7.4. Examination Validity:** The period of validity for a successfully completed general examination is shown in Table 4. If certification in the applicable test method or technique is not completed within these time frames, the examination(s) must be retaken.

**Table 4: Period of Validity for General Examination**

<b>Exam Type</b>	<b>Period of Exam Validity</b>
General Written Examination	5 years
Specific Examination	2years
Instruction Preparation Examination	2years
Practical Examination	2years
Basic Examination	5years
Method Examination	2years
Procedure Preparation Examination	2years

The Basic and General Written examinations need not be retaken when additional test methods or techniques (as applicable) are added. If all IRCCP certifications expire, all of the initial qualification examinations must be retaken to regain certification.

**7.5. Job-specific Examinations:** Examinations for specialized NDT techniques or unique product forms above and beyond those detailed in 7.1 and 7.2 are outside the scope of this document and are the responsibility of the employer or responsible agency.

**7.6. Limited Certification:** Limited Certification by technique is not permitted for IRCCP Level III personnel. When requested by an industry-developed Sector, limited certification is permitted provided the certification documentation clearly states the limitations. Level II candidates may choose to certify in individual techniques within a test method by taking practical examinations using only those techniques for which certification is sought and by taking the appropriate specific examination for the Industry Sector in which certification is sought. Such limitations will be clearly stated on the certification documents for such certification using the technique designations shown in Table 5, below:

**Table 5: Limited Certification by Technique**

Method	Technique and Designator		
ET	Alternating Current Field Measurement (ACFM)	Eddy Current (EC)	Remote Field (RF)
MT	Yoke (Y)	Bench (B)	-
PT	Solvent Removable (SR)	Water-Washable (WW)	Post Emulsifiable (PEF)
RT	Radioactive Materials (RAM)	X-ray (X)	Both (B)
UT	Straight/Angle-Weld (W)	Straight/Angle-Castings/Forgings (CF)	-
VT	Direct (D)	Remote (R)	-

Additional techniques may be added as required.

**7.7. Scope of Certification:** Personnel currently certified under one Industry Sector may certify in another Sector without retaking the Basic Examination, Method Examination, or General Examination, as applicable, but shall complete the Sector-specific examinations for the new Sector.

**7.8. Grading:** The grading of qualification examinations shall be done by IRNDT CMC in accordance with nationally accepted psychometric principles.

**7.9. Re-examination:**

7.8.1. Candidates retaking failed examinations within 12 months of the initial examination shall submit a new examination application that shows personal information, changes in experience and training gained since the initial application. Personnel re-examining after 12 months of the most recent attempt shall complete the full application. A new vision examination is required if the initial eye test was not taken within the past 12 months.

7.8.2. Candidates failing examination(s) for behavior not in accordance with the applicable code of ethics must have approval from the IRNDT CMC in order to apply for any examination.

**7.10. Vision Requirements:** Candidates shall submit documentation of satisfactory vision with their initial examination, renewal and recertification applications. Vision examinations shall be administered by a physician, optometrist or by personnel approved by the employer's Level III.

Candidates shall meet the following vision requirements:

**7.9.1. Near-vision acuity:** The candidate shall demonstrated by reading a minimum of Jaeger J-1 or equivalent\* with one or both eyes, either corrected or uncorrected. The distance for this examination shall be dictated by the reading card being used but may not be less than 12 inches (30 cm);

*\* Equivalent eye examination results for Jaeger J-1 visual acuity are:*

- Snellen 20/22; Times Roman 3.5 Point text; Ortho Rater # 9; or
- Titmus (SAB-1, SAL-1 or SAR-1) # 10;

**7.9.2. Color vision:** The candidate shall be able to differentiate among the colors used in the NDT method(s) for which certification is sought;

**7.9.3. Supplemental vision requirements:** Job specific vision requirements are beyond the scope of this document and shall be determined by the employer or responsible agency.

**7.9.4. Annual visual examinations:** Annual visual examinations, including any supplemental job-specific examinations, are the responsibility of the employer.

**7.9.5.** For personnel that fail to meet the color vision requirement of 7.9.2, the employer or responsible agency must perform additional examinations that demonstrate that the candidate can differentiate between the colors to be used in the applicable NDT processes. Documentation of these additional examinations shall be attested to by the employer or responsible agency and submitted with the eye examination form.

## **8.0 Examination Results**

**8.1.** The IRNDT CMC shall send examination results in Pass/Fail format to the candidate by surface mail or commercial carrier within 30 business days from the date of the examination. Results may be released to the candidate by fax or e-mail only upon receipt of a written request signed by the candidate. The signed request shall specify the transmittal method and address where the information is to be sent.

**8.2.** Candidates that successfully pass all required qualification examinations for IRCCP Certification shall also be issued certification documents for the appropriate test method or technique as described in 10.0, Certification.

**8.3.** Candidates that do not pass all of the required examinations for certification may retake the failed examinations and if successfully completed within the time frames shown in Table 4, shall be issued certification as noted above.

## 9.0 Eligibility for Certification

To be eligible for IRCCP Certification, candidates must meet the following requirements:

- 9.1. Must have passed all required examinations for the appropriate test method or technique as shown in paragraphs 7.1 or 7.2, and
- 9.2. IRCCP Level I , II candidates must have met the following experience requirements:

**Table 6: Level I Experience Requirements**

Level I	ET	MT	PT	RT	UT	VT
Minimum Months in Method:	3	1	1	3	3	1
Total Hours in NDT	540	180	180	540	540	180

**Table 7: Level II Experience Requirements**

Level II	ET	MT	PT	RT	UT	VT	RTI	TM
Minimum Months in Method:	9	3	3	9	9	3	4	1
Total Hours in NDT	1500	500	500	1500	1500	500	-	-

Note 1: Work experience is based on a nominal 40 h/week or the legal week of work and shall be based on the actual hours worked in the specific method.

Note 2: While fulfilling total NDT experience requirement, experience may be gained in more than one (1) method, and hours spent performing NDT-related tasks may be counted. Minimum experience hours must be met for each method

Note 3: For Level II certification, the experience should consists of time as a Level I. If the individual is being qualified directly to Level II, with no time at Level I, the experience shall consist of the sum of the times required for Level I and Level II.

Note 4: Documentary evidence of experience shall be confirmed by the employer and submitted to the certification body

- 9.3. The experience requirement for Level III candidates is satisfied when the experience requirements shown in paragraph 6.2 are met.

## 10.0 Certification

- 10.1. By issuing IRCCP Certification documents, IRNDT certifies that the individual has satisfied the requirements of this document; however, IRNDT does not give authority or license to that individual to perform NDT.
- 10.2. The employer or responsible agency should, through a NDT Level III, review the individual's qualification records for satisfactory completeness and retain copies thereof prior to authorizing the individual to perform NDT. The employer or responsible agency shall be solely responsible for authorizing employees to perform NDT. If the individual is self-employed, then the individual shall assume all employer responsibilities described herein.
- 10.3. Upon successful completion of all qualification examinations required for the applicable test method or technique, IRNDT will issue a parchment-type certificate and a wallet card indicating that the person named has met the IRCCP requirements for the test methods or techniques shown. The certificate and wallet card remain the property of IRNDT and must be surrendered on demand.

**10.3.1.** The IRCCP certificate shall be A4 Standard paper size and shall be

- Light gray for IRCCP Level I personnel, and
- Light blue for IRCCP Level II personnel, and
- Tan for IRCCP Level III personnel.

Each certificate shall contain the following as a minimum:

- 10.3.1.1. The IRNDT name with a IRNDT logo;
- 10.3.1.2. The name of the certificate holder;
- 10.3.1.3. The level of certification;
- 10.3.1.4. The test method(s) for which IRCCP Certification is held;
- 10.3.1.5. The applicable Industrial Sector(s);
- 10.3.1.6. The extent of limitation if a certification is limited;
- 10.3.1.7. The initial certification date;
- 10.3.1.8. The certification expiration date;
- 10.3.1.9. A unique IRCCP identification number;
- 10.3.1.10. The signature of the IRNDT President and CMC Chairman at the time the certificate was issued; and
- 10.3.1.11. The raised embossed IRNDT seal.

**10.3.2.** The IRCCP wallet card shall be a plastic driver's license type card and shall contain the following as a minimum:

- 10.3.2.1. The IRNDT name and logo;
- 10.3.2.2. The name of the certificate holder;
- 10.3.2.3. A picture of the certificate holder's face;
- 10.3.2.4. The level of certification;
- 10.3.2.5. The test method(s) for which IRCCP Certification is held;
- 10.3.2.6. The applicable Industrial Sector(s);
- 10.3.2.7. The extent of limitation if a certification is limited;
- 10.3.2.8. The initial certification date for each test method or technique;
- 10.3.2.9. The certification expiration date for each test method or technique;
- 10.3.2.10. A unique IRCCP identification number;
- 10.3.2.11. The signature of the certificate holder;
- 10.3.2.12. The signature of the IRNDT CMC Chairman at the time the wallet card was issued; and

**10.3.3.** In no case shall an individual sign their own certification documents. There for another member of the board shall have the authority to sign these documents.

## **11.0 Certification Validity**

**11.1.** IRCCP Certification shall remain valid for a period not to exceed five years. At the end of the first 5-year period after examination, certificates may be renewed by points as described in paragraph 12. At the end of the tenth year after examination certificates must be renewed by examination as described in paragraph 13. For certifications issued via a 3rd-party agreement, the renewal/recertification of the 3rd-party certification may be accepted as proof of



renewal provided the 3rd-party requirements meet or exceed the IRCCP requirements and have been approved by the CMC.

**11.2.** Certifications that are not renewed shall be considered expired and the certificate holder will be required to retake all initial certification examinations to regain IRCCP Certification.

**11.3.** New validation periods shall be for a period of five years from the current expiration date unless renewal is tied to other expiration dates based on agreements with other 3rd-party certification bodies. In no case shall a single certification period exceed five (5) years.

**11.4.** If a significant interruption of continued satisfactory work activity in that period of validity occurs, the applicant shall be required to recertify as detailed in para. 12.

"Significant interruption" is defined as:

**11.4.1.** A time period greater than the sum of an individual's NDT experience at all levels of qualification in the method;

**11.4.2.** A time period greater than 12 of the last 24 months; or

**11.4.3.** A time period greater than 36 of the last 60 months.

**11.5.** Certification shall be ruled invalid if:

**11.5.1.** The CMC finds after reviewing evidence that the individual has violated the applicable code of ethics, and

**11.5.2.** The individual does not satisfy the annual near-distance vision examination requirement in paragraph 7.9. Failure to comply with these vision requirements may cause revocation of IRCCP Certification.

**11.6.** If IRCCP Certification is revoked, the IRCCP certificate and wallet card must be returned to IRNDT.

**11.7.** Employer or responsible agency authorization (see paragraphs 2.8 and 10.2) shall expire when employment with that company or agency is terminated.

## **12.0 Renewal by Points**

At the 5-year interval after certifying by examination and at 10-year intervals thereafter, certificate holders may renew their certifications by submitting the appropriate IRCCP renewal application and fees to IRNDT. Applications may be submitted as early as six (6) months **prior** to the earliest certification expiration date and must be received no later than two (2) months **prior** to the expiration date. The completed application must satisfy the renewal requirements shown in **Appendix A** for the applicable test method and level of qualification for which renewal by points is sought. Personnel that do not meet the IRCCP requirement for renewal by points, or at the option of the certificate holder, may renew by taking the abbreviated examination (paragraph 13) in place of renewal by points. IRCCP certificates renewed by points shall have new expiration dates set for five years from the current expiration date.

## 13.0 Renewal by Examination

At the 10-year interval after certifying by examination and at 10-year intervals thereafter, certificate holders are required to renew by abbreviated examination. Renewal by examination requires submittal of a completed renewal by examination application and fees to IRNDT and may be submitted not less than (3) months and up to nine (9) months prior to the applicant's current expiration date. Examinations must be scheduled so that all renewal requirements have been met prior to the applicant's expiration date. The completed application must satisfy the renewal by examination requirements shown in **Appendix A** for the applicable test method and level of qualification for which recertification is sought. IRCCP certificates renewed by examination within six months of the current examination date shall have new expiration dates set for five years from the current expiration date. If re-examination occurs more than six months prior to the current examination date, the new expiration date shall be 5 years from the examination date.

## 14.0 Documentation

- 14.1. The CMC shall maintain and publish at least annually, by suitable means, a list of all certified individuals including the level of certification, Industrial Sectors and NDT methods or techniques for which certification is held.
- 14.2. A file shall be maintained for each individual certified, for each applicant who has not obtained certification, and for each individual who has had certification revoked, suspended, or terminated containing:
  - 14.2.1. Completed application forms;
  - 14.2.2. Training documents including, but not limited to, course title, level, duration, contents, training center and instructor;
  - 14.2.3. Examination documents including, but not limited to, answer sheets, identification of specimens and results of examinations;
  - 14.2.4. Renewal and recertification documents including evidence of having met all renewal and recertification requirements (as applicable); and
  - 14.2.5. Reasons for any withdrawal or suspension of certification and details of any other penalties.
- 14.3. All individual certification files shall be considered confidential and shall be maintained in a secure location and for duration in accordance with approved CMC operating procedures.

## 15.0 Applicant Rights

**Appeals, Complaints, and Disputes:** An appeals process exists for the resolution of appeals, complaints, and disputes received from candidates, certified persons, their employers and other parties regarding the certification process, qualification criteria, or the performance of certified persons.

**Confidentiality:** Information gained in the course of the certification process shall not be disclosed to any 3rd-party except as required by law.

## **16.0 Program Change Notification**

Changes to the IRNDT Central Certification Program (IRCCP) are posted on the IRNDT Internet website, at [www.irndt.org](http://www.irndt.org) under the “Certification” link. Notification of changes will be published in the IRNDT periodical NDT Journal.

## **17.0 Accommodation for Disabilities**

IRNDT will make appropriate accommodations for persons with documented disabilities. Candidates should contact the IRNDT CMC prior to examination dates to arrange special accommodations.

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## APPENDIX A

### IRNDT NDT PROGRAM RENEWAL REQUIREMENTS

#### A. IRCCP Level III Certification

The period of certificate validity is 60 months from date of issue, ending on the last day of the expiration month shown on the wallet card and certificate. Renewal of IRCCP Level III personnel is intended to apply only to individuals who maintain continued active employment in NDT Level III functions and demonstrate efforts to keep abreast of the technology in the Method(s) for which Renewal is sought.

At the first 5-year interval after being certified by examination (or if applicants came into the IRCCP based on holding another 3rd-party NDT certification), applicants may renew their certification(s) by points by meeting all of the following requirements. Renewal by examination may be done instead of renewal by points at the request of the applicant.

- A.1.** Must submit the appropriate IRNDT Renewal application and fees;
- A.2.** Must reaffirm the IRCCP Level III Code of Ethics (Appendix B);
- A.3.** Must submit evidence of satisfactory near visual acuity (Jaeger J-2 or equivalent) and color perception. If a color deficiency exists, applicants must send documented proof that they can discern indications in the applicable test methods. The method of documentation should be described in the employer's written practice;
- A.4.** Shall affirm continued active employment in Level III functions as related to the NDT Method(s) for which renewal is sought as noted below:
  - A.4.1.** Such employment must have covered at least 36 months during the current valid Certification period but not necessarily 36 consecutive months. There shall be no break greater than 12 consecutive months.
  - A.4.2.** At least 12 of the 24 months immediately preceding the expiration of the Certification must have been spent in Level III functions.
  - A.4.3.** If work experience during the certification period did not include all Methods for which Renewal is sought, at least **two** additional points shall be obtained in each Method for which there was no work experience.
  - A.4.4.** The effort to keep up to-date, contribute to knowledge or maintain continued growth in the Method(s) for which the individual is certified or to expand knowledge in related technologies must be demonstrated by obtaining a minimum of **25 points** during the five (5) year period of certification by engaging in the activities listed in Table A1.

At the 10-year interval, applicants must renew by examination by meeting all of the requirements listed paragraphs A.1-A.3 above with the exception that an abbreviated renewal examination is required in lieu of points. The written renewal examination shall consist of 10 questions on certification programs and 20 questions per test method covering the application of that test method.

Personnel who gained IRCCP Level III certification based on certification(s) issued by an accredited 3rd-party NDT certification program that has renewal/recertification requirements that meet or exceed IRCCP requirements may renew their IRCCP

certifications by submitting the documentation listed in paragraphs A.1, A.2 and A.4.1 & A.4.2 above, a copy of their current 3rd-party NDT certificates for the applicable test methods and a current<sup>1</sup> Jaeger J1 (or equivalent) near vision and color perception eye tests.

## **B. IRCCP Level I & II Certification**

The period of certificate validity for all IRCCP Level I and II certificates is 60 months from date of issue ending on the last day of the expiration month shown on the wallet card and certificate.

**B.1.** At the 5-year interval after initial certification or recertification by examination (and at 10-year intervals thereafter), IRCCP Level I and II certificate holders may renew their certification(s) by meeting the following requirements:

**B.1.1.** Submit the appropriate IRNDT recertification application and fees;

**B.1.2.** Reaffirm the IRCCP Level I, II Code of Ethics (Appendix B);

**B.1.3.** Submit current (within 12 months) evidence of satisfactory near visual acuity (Jaeger J1 or equivalent) and color perception. If a color deficiency exists, applicants must send documented proof that they can discern indications in the applicable test methods. The method of documentation should be described in the employer's written practice;

**B.1.4.** Affirm continued active employment in Level II functions as related to the NDT Method(s) for which renewal is sought in the following manner:

**(a1)** Submit a letter from the employer affirming that the applicant has been actively employed in NDT and has been using the applicable test methods without significant interruption during the current 5-year certification period; (with no break greater than 12 consecutive months)

**OR**

**(a2)** Submit letters from two (2) 3rd-parties NDT users attesting that the applicant has satisfactorily performed NDT in the applicable test methods within the current certification period; **and**

**(b)** Demonstrate continued NDT involvement during the current five (5) year period of certification by submitting a minimum of **15 points** for Level II in one or more of the activities listed in Table A1.

**B.2.** At the 10-year interval after initial certification or recertification by examination (and at 10-year intervals thereafter), IRCCP Level I and II certificate holders must renew by examination by submitting the information detailed in paragraphs B.1.1, B.1.2 and B.1.3 above and must pass an abbreviated practical renewal examination in place of submitting renewal points. The renewal examination will consist of a hands-on practical examination of at least two IRNDT test pieces per test method, with a minimum of one test piece in each applicable test technique.

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<sup>1</sup> within 12 months of the candidate's expiration date

### **C. 3rd-Party Level I & II certificate holders**

Personnel who gained IRCCP Level II certification based on certification(s) issued by an accredited 3rd-party NDT certification program that has renewal/recertification requirements that meet or exceed IRCCP requirements may renew by submitting the documentation listed in paragraphs 1, 2 and 3 under IRCCP Level I & II Certification along with a copy of their current 3rd-party NDT certificate(s) for the applicable test methods.

### **D. Renewal by examination**

Renewal by examination can be requested by the applicant at any time subject to the following conditions:

- D.1.** Applicants, at any time prior to the expiration date of any valid IRCCP Certification, may apply to IRNDT for examination in any Method(s) of NDT for which examinations are then offered by IRNDT.
- D.2.** If such examination(s) are taken before the expiration date and successfully passed in Methods for which the individual currently holds a valid Certification, the process is considered to be renewal by examination for the purpose of fees and documentation.
- D.3.** Failure to successfully renew prior the current IRCCP expiration date will require that the applicant recertify by full examination as a new examinee.

**TABLE A1: IRNDT Renewal Points**

The following NDT-related activities may be used to accumulate points to be used for renewal of IRNDT certifications. All points must be earned within the last 5-year certification period.

	<b>Activity</b>	<b>Point value</b>	<b>Maximum points allowed per certification period</b>
<b>A1</b>	Teaching NDT courses for which academic credit are given	1 point per 2 contact hours	16
<b>A2</b>	Teaching NDT courses for which academic credit are NOT given	1 point per 2 contact hours	10
<b>A maximum of 16 points may be claimed in Category A</b>			
<b>B</b>	Additional classroom or computer-based NDT training. ( <i>Documentation must include number of contact hours and verification of successful completion.</i> )	1 point per 4 contact hours	10
<b>C</b>	Authoring or co-authoring technical NDT presentations at local technical society* or national meetings*. ( <i>To receive credit, the individual must have contributed at least 50 percent of the content.</i> )	2 points per initial presentation	8
<b>D</b>	Attending technical sessions, seminars or panels at NDT-related national or International meetings*	1 point per 3 contact hours	10
<b>E</b>	Preparing and publishing an original NDT-related peer reviewed paper or full article* in a technical society publication*. To receive credit, the individual must have contributed at least 20 percent of the content.	3 points per paper or full article	12
<b>F</b>	Authoring short technical tips in any NDT-related technical publication	1 point per published Tip	6
<b>G</b>	Development and technical review of IRNDT publications	See Definitions	15
<b>H</b>	Documented NDT contributions to NDT-related technical society committee projects	2 points per completed project	12
<b>I</b>	Any other non-IRNDT 3rd-party technical certifications such as AWS, API, NACE, ASQ, AEOL, etc	1 point per certificate	5
<b>J</b>	Membership in the Iranian Society for Nondestructive Testing (IRNDT)	1 point per year	5
<b>K</b>	Serving as IRNDT trained Monitor or Assistant Monitor at IRNDT examinations	1 pt per 1/2-day session	6
<b>L</b>	Performance of external NDT audits*	2 per audit	8
<b>M</b>	Receiving a patent* for an NDT related product	4 per patent	12

\* See definitions

## INFORMATION CONCERNING THE POINT SYSTEM FOR RENEWAL

1. Level III Refresher Courses, college courses, corporate training department courses and courses of similar quality leading to examinations do qualify for renewal points, provided they contribute to knowledge and growth at or above the qualification level (Level II or III) in the methods in which the applicant is certified, or are NDT-related (e.g. math, physical science, QC, etc.), or cover advanced NDT material
2. Time spent taking examinations of any kind do **NOT** qualify for renewal points.
3. Acting as a Session Chairman at a Society meeting, or as a Section Officer, National Officer, Council, or Committee Chairman does **NOT** qualify for points; these are not technical functions. The only exception is for participation in technical society meetings whose primary function was to accomplish a significant technical (not administrative) project. Such projects must meet the requirements for Activity H in Table A1.
4. Test procedures, QC manuals, etc. prepared for employers do not qualify for points; they are considered as part of an applicant's occupational or work experience.
5. To earn points for attendance at technical sessions, documentation of attendance at the actual technical presentations must be submitted. Proving general attendance at the conference is not sufficient. At all IRNDT Conferences, forms for documenting attendance are provided at each technical session; have them signed by the session chairperson and submit copies of them with the application for recertification.
6. Reports prepared for employers do not qualify for points unless and until they are given as a technical presentation or published per Activities C or F in Table A1.
7. Certificates of completion for courses must show either contact hours. It is up to the applicant to supply suitable documentation showing such hours.
8. Providing the name of a person who can verify points is not satisfactory documentation. It is the applicant's responsibility to provide hard copy, i.e., documentation with the attesting person's signature.
9. To count for points, papers must be published in a technical society journal or official society publication. Publications which are not generally available to the public, such as company or governmental meetings or reports, are not acceptable. Similarly, talks given at meetings not open to the public do not earn points.
10. In general, the type of point documentation is the same as that needed to satisfy a strict QA/QC auditor. The IRNDT Certification Program records are audited annually and must show strict compliance with the above rules and procedures, so full compliance is required of all applicants, including proper documentation. In case of doubt about the suitability of documentation or whether points should be awarded, the final decision rests with the Certification Management Council (CMC).



## DEFINITIONS

**Committee Projects:** Specific identifiable official activities of the national technical societies such as round-robin or individual studies, preparation of guidelines, appendices, specifications, recommended practices, codes or standards, etc., may qualify. Documentation may include memo or letter reports, drafts of committee output documents, or major written comments on documents. Verbal comments, attendance at meetings, or return ballots without major comments do not qualify. Work on IRNDT publications should be accrued under Categories E, F & G.

**External NDT Audit:** An NDT audit of a facility other than that of the auditor's place of employment such as NDT vendor or supplier audits.

**Full Article:** A full article is one of 1000 words or more at the time of publication.

**Membership:** Membership will be calculated based on the number of months a certificate holder has been a member in the current 5-year certification cycle. For each month of membership, 1/12th of a point (0.083 points) may be claimed.

**National Meetings:** Meetings, conferences, symposia, seminars, panels, etc., organized or sponsored by a national technical society or societies and advertised nationally. Regional conferences may qualify if they meet the above criteria. Trade shows and trade association meetings do not qualify. Closed meetings, i.e., those with attendance or notification restricted to certain groups, do not qualify. Foreign or international meetings qualify if the sponsor(s) are national or international and the attendance is not restricted.

**Patents:** Patents shall be those issued by the Iranian Patent Office or equivalent non-Iran governmental agency.

**Publication Development and Review:** Authors and reviewers may earn points for publication activities as shown below provided the contribution is published.

**TABLE A2: Publication Development and Review**

Publication type	Activity	Points
<b>NDT Handbook</b>	Contribute one full chapter	3
	Contribute part of one chapter	1
	Review one chapter	1
<b>Study Guides, Q &amp; A Books, etc</b>	Author or revise one full book	3
	Full publication review	2
	Partial publication review	1
	Contribute single chapter	1
<b>IRNDT Journal</b>	Contribute full article (1000+ words)	3
	Contribute short article or Tech Tip	1
	Article review	1
<b>NDT Technician Journal</b>	Contribute full article (1000+ words)	3
	Contribute Working Smarter Tip	1
	Contribute short article or Tech Tip	1
	Contribute part of one chapter	1

Written or e-mail acknowledgement of receipt and publication of such materials by the Publications Department will serve as documentation of completion of an assignment.

**Significant Interruption:** For the purposes of IRNDT recertification, a break greater than 12 consecutive months.

**Technical Society:** A not-for-profit society representing a segment of industry in an NDT related field or representing an industry that is an NDT user.

**Technical Society Publications:** The publications of national technical societies qualify. Foreign or international technical journals also qualify.

IRNDT will attempt to notify certificate holders that their certificates are coming due for renewal using the postal and e-mail addresses in the certificate holder's IRNDT membership/certification record.

***It is the responsibility of each certificate holder to ensure that their contact information is correct.***

IRNDT shall not be responsible for correspondence not reaching certified personnel. Renewal forms may be requested from the IRNDT or may be downloaded from [www.irndt.org](http://www.irndt.org).

**TABLE A3: Points Documentation**

Below are examples of *typical* documentation for each of the points categories. Similar documentation that is submitted will be considered on an individual basis.

Item	Typical Documentation
A1	For academic courses, a copy of the course description (from a school Course Catalog, etc) showing the subject, hours, and you as the instructor
A2	Training course outlines showing the NDT subject and number of training hours. A copy of a student's training documentation that would be placed in their company personnel certification file is satisfactory as long as the hours, subject and your name as instructor is shown
B	Evidence of completion such as transcripts, certificates, diplomas, grades, etc. which denote contact hours, the course subject and your participation.
C	Meeting notices, published programs, or correspondence on company or society letterhead, which identify the meeting, presentation title, presenter/author's name, and date.
D	Registration forms, trip reports, certificates of attendance, correspondence, or other positive evidence of attendance. This must denote activity title, date, location, and content.
E	The first page of a published paper is adequate, provided the title, the author(s) name(s), and the name and date of the publication appear.
F	A copy of the page showing the published technical tip with your name on it as the author or a copy of an e-mail from the editor stating that you did submit a tip that was used.
G	A copy of a letter, fax or e-mail from the appropriate IRNDT Editor attesting that you have performed the development work or technical review being claimed * NOTE: <i>You</i> must request such documentation; it will not be generated automatically. *
H	Committee meeting minutes or memoranda, correspondence, letter reports, or other evidence that identifies your role in completing committee projects is acceptable.
I	Copies of currently valid NDT-related certifications. Note: If a certification body issues individual certificates for each NDT test method, only one such certificate will be accepted from that cert body for each Level of qualification. Certificates issued by the same cert body but for different <i>applications</i> (such as API 653, 510 or 570 certificates) would each count as a separate certification.
J	Copies of your IRNDT membership cards showing the dates or membership, a copy of the receipt for payment of membership for specific years or written or e-mail confirmation by an IRNDT Staff member will be accepted.
K	A copy of the agreement between IRNDT and the Monitor (or Assistant Monitor) is acceptable.
L	A letter from a responsible agent of the 3rd-party that was audited attesting that the applicant performed an NDT audit is acceptable. (Audit materials are by nature confidential and are not wanted and will NOT be accepted).
M	A copy of a new or renewed patent for an NDT product is acceptable provided it was granted or renewed within the current 5-year certification period.

## APPENDIX B

### CODE OF ETHICS FOR NDT PERSONNEL

#### A. IRCCP Level I, II Code of Ethics

##### 1. Purpose

- 1.1. The following Purpose Code of Ethics is binding upon every individual who possesses a current IRCCP Level I, II Certification. These rules are necessary to protect the life, health, property and welfare of the public, and to maintain the credibility of the IRNDT Central Certification Program, the IRCCP Level I, II program and the NDT profession. Accordingly, each IRCCP Level I, II certified individual agrees to abide by the following:

##### 2. Code of Ethics

- 2.1. Responsibility: Protect the safety, health and welfare of the public, by performing all NDT activities to the best of his/her ability in accordance with properly established and approved procedures and only in situations for which qualified.
- 2.2. Integrity: Perform all NDT activities honestly, and treat the public, clients and employer in an impartial and ethical manner. All reports of NDT activities shall faithfully and accurately reflect the tests conducted, procedures used, and results obtained.
- 2.3. Conflict of Interest: Consciously avoid conflict of interest situations with employer or client, promptly informing same if such situations cannot be avoided.
- 2.4. Improper Conduct: Refrain from work activities outside the area of certification without written approval of his/her supervisor.
- 2.5. Safety: Act in a safe and responsible manner while conducting NDT activities, ensuring that all required and necessary safety procedures are in place and are being used by one's self and others under his/her jurisdiction.

##### 3. Penalty

Violation of this Code of Ethics by any IRCCP Level I, II certificate holder may be cause for disciplinary action against that person which may result in sanctions up to revocation of IRCCP certification.

#### B. IRCCP Level III Code of Ethics

##### 1. Preamble

- 1.1. In order to safeguard the life, health, property, and welfare of the public, to maintain integrity and high standards of skills and practices in the profession of nondestructive testing, the following rules of professional conduct shall be binding upon every person issued a certificate by IRNDT as a Level III.
  - 1.1.1. The IRCCP Level III who holds a certificate is charged with having knowledge of the existence of the reasonable rules and regulations hereinafter provided for his/her conduct as IRCCP Level III, and also shall be familiar with their provisions and understand them. Such knowledge shall encompass the understanding that the practice of nondestructive testing under this certification is a privilege, as opposed to a right, and the IRCCP Level III shall be forthright and candid in statements or written responses to the Certification Management Committee (CMC).
  - 1.1.2. The "IRCCP Level III" as referred to herein is that individual who has been issued a certificate by the Iranian Society for Nondestructive Testing, Inc. pursuant to its heretofore published requirements, rules, and procedures for such certification. This Code of Ethics is binding upon all individuals so certified.

## **2. Integrity**

- 2.1. The IRCCP Level III is obligated to act with complete integrity in professional matters for each client or employer as a faithful agent or trustee; shall be honest and impartial; and shall serve the public, clients, and employer with devotion;
- 2.2. The IRCCP Level III shall make claims regarding certification only with respect to the scope for which certification has been granted; and
- 2.3. The IRCCP Level III shall not to use their certification in a misleading manner or in such a manner as to bring IRCCP into disrepute, nor to make any statement regarding the certification which IRNDT may consider misleading or unauthorized.

## **3. Responsibility to the Public**

The IRCCP Level III shall:

- 3.1. Protect the safety, health, and welfare of the public in the performance of professional duties. Should the case arise where the IRCCP Level III faces a situation where the safety, health, and welfare of the public are not protected, he/she shall:
  - 3.1.1. Apprise the proper authority if it is evident that the safety, health, and welfare of the public are not being protected; and
  - 3.1.2. Refuse to accept responsibility for the design, report, or statement involved; and
  - 3.1.3. If necessary, sever relationship with the employer or client; and
  - 3.1.4. Undertake to perform assignments only when qualified by training and experience in the specific technical fields involved. In the event a question arises as to the competence of an IRCCP Level III to perform an assignment in a field of specific discipline which cannot be otherwise resolved to the CMC's satisfaction, the CMC, either upon request of the Level III, or by its own volition, may require him/her to submit to an appropriate inquiry by or on behalf of the CMC; and
  - 3.1.5. Be completely objective in any professional report, statement, or testimony, avoiding any omission which would, or reasonably could, lead to fallacious inference, finding, or misrepresentation; and
  - 3.1.6. Express an opinion as a technical witness before any court, commission, or other tribunal, only when such opinion is founded upon adequate knowledge of the facts in issue, upon a background of technical competence in the subject matter, and upon an honest conviction of the accuracy or propriety of the testimony.

## **4. Public Statements**

- 4.1. The IRCCP Level III will issue no statements, criticisms, or arguments on nondestructive testing matters connected with public policy which are inspired or paid for by an interested party, or parties, unless he/she has prefaced the remark(s) by explicitly identifying himself/herself, by disclosing the identities of the party, on whose behalf he/she is speaking, and by revealing the existence of any pecuniary interest he/she may have in these matters.
- 4.2. The IRCCP Level III will publicly express no opinion on a nondestructive testing matter unless it is founded upon adequate knowledge of the facts in issue, upon a background of technical competence in the subject matter, and upon honest conviction of the accuracy and propriety of the testimony.

## **5. Conflict of Interest**

- 5.1. The IRCCP Level III shall conscientiously avoid conflict of interest with the employer or client, but when avoidable, shall forthwith disclose the circumstances to the employer or client.
- 5.2. The IRCCP Level III shall promptly inform the client or employer of any business associations, interests, or circumstances which could influence his/her judgment or the quality of services to the client or employer.
- 5.3. The IRCCP Level III shall not accept compensation, financial or otherwise, from more than one party for services on the same project, or for services pertaining to the same project, unless the circumstances are fully disclosed to, and agreed to, by all interested parties or their duly

authorized agents.

- 5.4. The IRCCP Level III shall not solicit or accept financial or other valuable consideration from material or equipment suppliers for specifying their products.
- 5.5. The IRCCP Level III shall not solicit or accept gratuities, directly or indirectly, from contractors, their agents, or other parties dealing with the client or employer in connection with work for which he/she is responsible.
- 5.6. As an elected, retained, or employed public official, the IRCCP Level III (in the capacity as a public official) shall not review or approve work that was performed by himself/herself, or under his/her direction, on behalf of another employer or client.

## **6. Solicitation of Employment**

- 6.1. The IRCCP Level III shall not pay, solicit, nor offer, directly or indirectly, any bribe or commission for professional employment with the exception of payment of the usual commission for securing salaried positions through licensed employment agencies.
- 6.2. The IRCCP Level III shall seek professional employment on the basis of qualification and competence for proper accomplishment of work.
- 6.3. The IRCCP Level III shall not falsify or permit misrepresentation of his/her, or his/her associates', academic or professional qualification. He/she shall not misrepresent or exaggerate the degree of responsibility in or for the subject matter of prior assignments.
- 6.4. Brochures or other presentations incident to the solicitation of employment shall not misrepresent pertinent facts concerning employers, employees, associates, joint ventures, or past accomplishments with the intent and purpose of enhancing qualifications and work.

## **7. Improper Conduct**

- 7.1. The IRCCP Level III shall not sign documents for work for which he/she does not have personal professional knowledge and direct technical supervisory control and responsibility.
- 7.2. The IRCCP Level III shall not knowingly associate with, or permit the use of, his/her name or firm name in a business venture by any person or firm which he/she knows, or has reason to believe is engaging in business or professional practices of a fraudulent or dishonest nature.

## **8. Unauthorized Practice**

- 8.1. Any violation of this code shall be deemed to be an unauthorized practice and upon proper complaint, investigation, due process hearing and ruling of the IRNDT CMC he in accordance with procedures heretofore established and published, sanctions may be applied to the individual(s) in violation.
- 8.2. If the applied sanction is suspension or revocation of certification, the certificate holder agrees to discontinue all claims of IRCCP certification and must return all certificates and wallet cards issued by IRNDT.

## **9. Rulings of Other Jurisdictions**

Conviction of an NDT-related felony while IRCCP certification is valid or the revocation or suspension of a Professional Engineer's License by another jurisdiction or similar rulings by other professional associations may be grounds for a charge of violation of this Code.

## APPENDIX C

### ABBREVIATIONS

- AA: Aviation/Aerospace
- ACFM: Alternating Current Field Measurement
- AEC: Authorized Examination Center
- AEOI: Atomic Energy Organization of Iran
- ANSI: American National Standards Institute
- API: American Petroleum Institute
- AQB: Authorized Qualification Body
- ASME: American Society of Mechanical Engineers
- ASNT: American Society for Nondestructive Testing
- ASQ: American Society for Quality
- AWS: American Welding Society
- B&PV: Boiler and Pressure Vessel
- CMC: Certification Management Council
- EC: Eddy Current
- EN: European Standard (Europäische Norm)
- ET: Electromagnetic Testing
- GI: General Industry
- ICNDT: International Committee for NDT
- IGS: Iranian Gas Standards
- IPS: Iranian Petroleum Standards
- IRCCP: IRNDT Central Certification Program for NDT Personnel
- IRNDT: Iranian Society for Nondestructive Testing
- IS: Industrial Sector
- ISO: International Organization for Standardization
- MT: Magnetic Particle Testing
- NACE: National Association of Corrosion Engineers
- NDT: Nondestructive testing
- OGP: Oil, Gas & Petrochemical
- OJT: On-the-job training
- PCP: Program Comparison Procedure
- PE: Pressure Equipments
- PEF: Post Emulsifiable
- PT: Liquid Penetrant testing
- RAM: Radioactive Materials
- RF: Remote Field
- RT: Radiographic Testing
- RTI: Radiography Film Interpretation
- SR: Solvent Removable
- SS: Steel Structure
- TM: Thickness Measurement
- UT: Ultrasonic Testing
- VT: Visual and Optical Testing
- WW: Water Washable