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1.0 PRE-REQUISITE

1.1 Assistant Plant Inspector

To qualify for Assistant Plant Inspector certification examination, the applicants shall hold a valid certification in Visual Inspection, Welding Inspection or Painting Inspection from IPCS or any nationally or internationally recognized certification scheme.

1.2 Plant Inspector

1.2.1 To qualify for Plant Inspector certification examination, the applicant's education and experience, when combined, shall be equal to at least one of the following:

- Bachelor of Science degree in engineering or technology, plus one (1) year of experience in supervising or performing inspection activities.
- A two-year degree or certificate in engineering or technology, plus two (2) years of experience in the design, construction, repair, inspection, or operation of pressure vessels, including at least one (1) year in supervising or performing inspection activities.
- A high school diploma or equivalent, plus three (3) years of experience in the design, construction, repair, inspection, or operation of pressure vessels, including at least one (1) year in supervising or performing inspection activities.
- A minimum of five (5) years of experience in the design, construction, repair, inspection, or operation of pressure vessels, including at least one (1) year in supervising or performing inspection activities.

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1.2.2 The applicant documents required include a listing of all educations, relevant work and employment. The documents shall include:

- An education background with relevant supporting documents.
- A list of all relevant employers, including contact information where available.
- Details of the work performed, along with corresponding dates of employment.
- A letter of verification issued by the employer or client.

1.2.3 The education, relevant work, and employment documentation shall be subject to verification by the Certification Department. Submission of false information shall result in rejection of the application and may disqualify the applicant from taking the examination to become a Plant Inspector.

1.3 Specialist Plant Inspector

To qualify for Specialist Plant Inspector certification examination, the applicant shall hold a valid IPCS Pressure Vessel Inspector, Process Piping Inspector or Aboveground Storage Tank Inspector.

2.0 TRAINING REQUIREMENTS

2.1 General

2.1.1 The applicant shall submit documentary evidence, acceptable to RSA, confirming successful completion of training in the subjects and level for which certification is sought.

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2.1.2 Training may be delivered through various methods, including instructor-led sessions, personalized instruction, virtual instructor-led training, computer-based training, or web-based training.

2.2 Assistant Plant Inspector

The Assistant Plant Inspector applicant shall satisfactorily complete a sixteen (16) hours training program in the following subjects, whichever is applicable:

- Visual Inspection
- API 572 Inspection of Pressure Vessels
- API 574 Inspection of Practices for Piping System Components
- API 575 Inspection of Atmospheric and Low-Pressure Storage Tanks.

2.3 Plant Inspector

2.3.1 The Plant Inspector applicant shall successfully complete a forty (40) hour training program covering the subjects listed in Table Plant Inspectors Competency Requirements, as applicable.

2.3.2 Recommended training course outlines and references for Plant Inspectors may be drawn from the latest API-published *Body of Knowledge*, which may be used as technical source material.

2.4 Specialist Plant Inspector

The specialist Plant Inspector applicant shall satisfactorily complete a twenty-four (24) hours training program in one of the following subjects, whichever is applicable:

- API 571 Damage Mechanism Affecting Fixed Equipment in the Refining Industry
- API 579 Fitness-For-Service
- API 580 Risk-based Inspection

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3.0 INDUSTRIAL EXPERIENCE

3.1 For all levels, required experience may be obtained following successful completion of the examination. The examination results shall remain valid for a period of three (3) years.

3.2 Documentary evidence of the applicant's experience shall be verified by the employer and submitted to RSA for confirmation.

4.0 VISION REQUIREMENTS

4.1 Requirements

The applicant shall provide documentary evidence of satisfactory vision in accordance with the requirements described in Sections 4.2 through 4.4.

4.2 Administration

The vision examinations shall be administered by a licensed physician, nurse, ophthalmologist or optometrist; or by another trained professional who is approved and documented by an NDT Level 3 personnel acting on behalf of the employer. The tests of near visual acuity shall be carried out at initial certification and subsequent annually and verified by the employer.

4.3 Near-Vision Acuity

The examination shall ensure natural or corrected near-distance acuity in at least one eye such that the applicant can read a minimum of Jaeger Number 1 or Times Roman N4.5 or equivalent letters (having a height of 1.6mm) at the distance not less than 30cm.

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4.4 Colour Contrast Differentiation

The examination shall demonstrate the capability of distinguishing and differentiating contrast among colours or shades of Gray used in the method, as specified by the employer. The colour vision test shall either confirm that the individual has acceptable colour vision without restriction or shall state any limitation(s) on colour perception.