



# AICIP - Types of Examinations

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## Background

AICIP certification exams cover a range of topics related to pressure equipment inspection, including safety regulations, inspection techniques, testing procedures, and equipment maintenance. The exams are designed to ensure that personnel working in this field have the necessary knowledge and skills to perform their job duties safely and effectively.

## Types of examinations

AICIP uses different methodologies to determine the competency of accredited inspectors. The examinations are for two types of inspectors for Boilers, Pressure Vessels and Pressure Piping i.e.

- In-Service Inspector (ISI)
- Senior In-Service Inspector (SISI).

### **In-Service Inspector (ISI)**

The candidate is provided the opportunity to demonstrate inspection competency and knowledge by three (3) examinations.

Paper A – Multiple choice answer exam. The questions are general in nature and cover aspects of the complete life cycle of pressure equipment as well as some basic knowledge of chemistry and physics.

Paper B – Short written answer exam. Offering a different answer format for questions on pressure equipment. More directed toward understand and interpreting scenarios related to Australian Standards and regulations.

Paper E – Short or essay written answer exam. This paper is an equipment and inspection knowledge exam. The question information offered replicates the example of remote inspection. The candidate can offer plausible solutions from provided images interpretation.

### **Senior In-Service Inspector (SISI)**

Paper C – mathematical calculations. Remaining life, fitness for service determination from AS/NZS 3788 Appendix B.

Paper D – Short or essay written answer exam. Operational management style questions.

## Inspector Renewal After Absence

Paper F – Multiple choice, short or essay written answer exam. Candidate should demonstrate continued professional development with pressure equipment.

## Examination logistics

All Papers are computerised online exams which are hosted by Weld Australia through Weld Australia's online platform, WeldQ.

Onboarding is conducted online a few days prior to the actual exam. This offers the candidate the opportunity to:

- Test and confirm login and password supplied are working correctly
- See and practice the question format, e.g. long response, multiple choice, short answer.
- Answer questions
- Finish, close off, and submit the exam correctly

AICIP exams do not require copies of Australian Standards. If the examiner has determined extracts from the Australian Standards would assist the candidate, they will be attached to the question electronically.

### Exam Duration

Paper A – 180 minutes

Paper B – 180 minutes

Paper E – 180 minutes

Paper C – 90 minutes

Paper D – 120 minutes

Paper F – 120 minutes

## Terms and conditions

- All AICIP Examinations are closed-book exams.
- If the examiner has determined that extracts from the Australian Standards would assist the candidate, they will be attached to the question electronically.
- Maximum marks and any time limits for each question will be shown in the question.
- Applicants for this SISI examinations need to have passed the ISI examination (Paper A, B& E) prior to sitting the SISI examination.
- The joint examination for re-certification of In-service Inspectors and Senior In-service Inspectors consists of one written Paper "F" of 2 hours duration. This examination applies only if the certification has been overdue for more than six months, or if AICIP determines it is necessary after reviewing the renewal application.
- Examinations are under the control of an online proctoring system.



# Further Information

[aicip.org.au](http://aicip.org.au)

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