



Specific Accreditation Criteria

Infrastructure and Asset Integrity ISO/IEC 17025 Annex

Pressure Testing

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Pressure Testing

This document provides interpretative criteria and recommendations for the application of ISO/IEC 17025 for both applicant and accredited facilities conducting pressure Testing.

Applicant and accredited facilities must also comply with ISO/IEC 17025 and the NATA ISO/IEC 17025 Standard Application Document (SAD).

The clause numbers in this document follow those of ISO/IEC 17025 but since not all clauses require interpretation the numbering may not be consecutive.

4.1.3 Management requirements

Oil/gas pipeline test sites (including offshore activity)

Pressure testing of oil/gas transmission pipelines is not able to be reasonably simulated by means of demonstration at the accredited office address, due to the unique features of the *in situ* environment and the physical scale of such items (potentially several hundred kilometers long). Witnessing of *in situ* test set up and control is regarded as an important part of establishing a facility's competence for this high risk activity. Accordingly, provision is made in the case of oil/gas transmission pipeline testing accreditation for an assessment program involving job site visits. Facilities are to make whatever arrangements are necessary to accommodate such visits in conjunction with the initial NATA assessment and thereafter occurring at intervals no longer than two assessment cycles (that is, approximately six years).

5.9.1 Assuring the quality of test results

For tests where there is no reported numerical result, such as pressure relief valve testing or hydrostatic/pneumatic load tests, traditional forms of proficiency testing are not likely to be relevant. For such tests, other means of assuring the technical quality of testing is to be investigated.

5.10.3.1 Test reports

For testing of pressure equipment where a test temperature range is specified, such as for AS1180.5, the impact of unavoidable deviations from the prescribed temperature range is likely to be difficult to quantify. As a result, no compliance statement will generally be possible in such cases and facilities are encouraged to ensure that their clients are kept informed of such limitations. In any case, all deviations from the requirements of the method are to be reported. Similar issues may arise in relation to other specified parameters, such as rate of pressurization.

References

This section lists publications referenced in this document. The year of publication is not included as it is expected that only current versions of the references shall be used.

Standards

AS 1180.5 *Methods of test for hose made from elastomeric materials – Method 5: Hydrostatic pressure*

Amendment Table

The table below provides a summary of changes made to the document with this issue.

Section or Clause	Amendment
	<p>This document represents a direct adaption of ISO/IEC 17025 Application Document - Mechanical Testing Annex J Pressure Testing. The technical content is unchanged.</p> <p>The document has been reviewed and updated to reflect the new accreditation criteria documentation structure.</p>