

Magnetic Particle Inspection

Aim of the Program

This proficiency testing program aims to assess laboratories' ability to competently inspect welded butt joints in metal; and to provide participants with external quality assurance to enhance accuracy and reliability.

Application of the Program to Accreditation

Participation in this proficiency testing program satisfies the requirements of ISO/IEC 17025:2017 – *General Requirements for the Competence of Testing and Calibration Laboratories* for monitoring performance by comparing results with other laboratories.

Program Details

The Magnetic Particle Inspection program is an annual program, running continuously for 12 months as a round robin.

Samples – Welded Plate

Tests – Specimen to be tested using magnetic flow induced by AC in accordance with AS 1171

Statistical Analysis:

Participants test reports, laboratory work sheets and sketches are evaluated and allocated a particular score.

Reporting:

At the conclusion of each round, each participant receives a confidential individual summary sheet, detailing its performance in the program, and a final program report summarising all participant data.

Confidentiality

Each participant is assigned a unique code number, keeping all results anonymous in all PTA reports and publications.

Fees and Further Information

For information on program fees or other enquiries, please contact PTA directly:

Email: ptaenquiry@pta.asn.au