

# Impact Testing of Metals

## Aim of the Program

This proficiency testing program aims to assess laboratories' ability to competently perform mechanical testing of metal samples; 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 Impact Testing of Metals program is an annual program comprising of one round per year.

Sample – Three metal pieces of varying size.

Test – Charpy

## Statistical Analysis:

A robust z-score technique is used to assess performance.

## 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](mailto:ptaenquiry@pta.asn.au)