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Australian/New Zealand Standard™

# Maintainability of equipment

**Part 5: Testability and diagnostic testing**



AS/NZS IEC 60706.5:2022

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- Australian Industry Group
- Department of Defence (Australian Government)
- Engineers Australia / Mining Electrical and Mining Mechanical Engineering Society
- Engineers Australia / Risk Engineering Society
- New Zealand Institute of Safety Management
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Australian/New Zealand Standard™

# Maintainability of equipment

## Part 5: Testability and diagnostic testing

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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee QR-005, Dependability.

The objective of this document is to provide guidance for the early consideration of testability aspects in design and development, and to assist in determining effective test procedures as an integral part of operation and maintenance.

This document can be applied to all types of products which may include commercial off-the-shelf (COTS) items. In this respect, it does not matter whether the product uses mechanical, hydraulic, electrical or some other technology. In addition, this document applies to the development of any product, with the aim of designing the product characteristics so that they are verifiable (testable).

This document aims to ensure that prerequisites relating to the testability of products are defined in the preliminary phases of development, laid down by the customer, implemented, documented, and verified during development.

This document also provides methods to implement and assess testability as an integral part of the product design. It provides guidelines for continually updating the product testability documentation over the product's life cycle.

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