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AS ISO 10017—2006

Australian Standard®

Guidance on statistical techniques for ISO 9001:2000 (ISO/TR 10017, Ed. 2.0 (2003) MOD)

STANDARDS Australia

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- Engineers Australia
- International Accreditation Forum
- Joint Accreditation System of Australia and New Zealand
- Main Roads Department, Queensland
- NSW Department of Housing
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PREFACE

This Standard was prepared by the Australian members of Joint Standards Australia/New Zealand Committee QR-008, Quality Systems. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australia/New Zealand Standard.

The objective of this Standard is to provide organizations with guidance on the selection of statistical techniques that may assist in developing, implementing, maintaining and improving a quality management system and its component processes.

For clarity the guidance provided is limited to well-known techniques and is aligned with AS/NZS ISO 9001. This does not imply preference for the particular techniques mentioned, nor that they are essential for compliance with AS/NZS ISO 9001. In all cases the use of statistical techniques requires care in selection and application and an understanding of the process under investigation.

This Standard is an adoption with national modifications and has been reproduced from ISO/TR 10017, Ed. 2.0 (2003), *Guidance on statistical techniques for ISO 9001:2000*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to ISO/TR 10017, Ed. 2.0 (2003) are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies ISO text, tables and figures which, for the purposes of this Australian Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

As this Standard is reproduced from an international standard, the following applies:

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text 'ISO/TR 10017' should read 'AS ISO/TR 10017'.

(c) A full point substitutes for a comma when referring to a decimal marker.

The Bibliography provides additional information on ISO and IEC publications related to statistical techniques and reliability analysis, some of which are identified as having been adopted as Australian or Australian/New Zealand Standards.

The reader seeking further guidance on selection and an overview of all reference Standards, guides and technical reports developed by the ISO Technical Committee on Applications of statistical methods, ISO/TC 69, may wish also to refer to—

AS ISO 11462.1—2004, *Guidelines for implementation of statistical process control (SPC) Part 1: Elements of SPC*

AS ISO 13425—2004 (ISO/TR 13425:2003), *Guidelines for the selection of statistical methods in standardization and specification.*

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