

Australian Standard™

**Sampling procedures for inspection by
attributes**

**Part 1: Sampling schemes indexed by
acceptance quality limit (AQL)
for lot-by-lot inspection**

This Australian Standard was prepared by Committee QR-008, Quality Systems. It was approved on behalf of the Council of Standards Australia on 26 May 2003 and published on 28 July 2003.

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PREFACE

This Standard was prepared by the Standards Australia Committee QR-008, Quality Systems.

This Standard is identical with, and has been reproduced from ISO 2859-1:1999, *Sampling procedures for inspection by attributes*, Part 1: *Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*.

The objective of this Standard is to specify an acceptance sampling system for inspection by attributes. It is indexed in terms of the acceptance quality limit (AQL).

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) A full point substitutes for a comma when referring to a decimal marker.
- (c) In the column "Sample size" corresponding to the row for sample size code letter H, replace the value '50' with the value '20'.

NOTE: This correction is identical with Technical Corrigendum 1 (2000) to ISO 2859-1:1999.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
2859	Sampling procedures for inspection by attributes	1199	Sampling procedures for inspection by attributes
2859-3	Part 3: Skip-lot sampling procedures	1199-3	Part 3: Skip-lot sampling procedures

Only International Standard referenced documents identical to Australian Standards have been listed.

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

The International Organization for Standardization's Committee TC 69 is currently in the process of updating the ISO 2859 series to bring the older documents into line with Parts 1 and 4. Where any inconsistency arises between the sections of this series of Standards, the more recently published document will apply.

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AUSTRALIAN STANDARD

Sampling procedures for inspection by attributes —**Part 1:****Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection****1 Scope**

1.1 This part of ISO 2859 specifies an acceptance sampling system for inspection by attributes. It is indexed in terms of the acceptance quality limit (AQL).

Its purpose is to induce a supplier through the economic and psychological pressure of lot non-acceptance to maintain a process average at least as good as the specified acceptance quality limit, while at the same time providing an upper limit for the risk to the consumer of accepting the occasional poor lot.

Sampling schemes designated in this part of ISO 2859 are applicable, but not limited, to inspection of

- end items,
- components and raw materials,
- operations,
- materials in process,
- supplies in storage,
- maintenance operations,
- data or records, and
- administrative procedures.

1.2 These schemes are intended primarily to be used for a continuing series of lots, that is, a series long enough to allow the switching rules (9.3) to be applied. These rules provide:

- a) a protection to the consumer (by means of a switch to tightened inspection or discontinuation of sampling inspection) should a deterioration in quality be detected;
- b) an incentive (at the discretion of the responsible authority) to reduce inspection costs (by means of a switch to reduced inspection) should consistently good quality be achieved.

Sampling plans in this part of ISO 2859 may also be used for the inspection of lots in isolation but, in this case the user is strongly advised to consult the operating characteristic curves to find a plan that will yield the desired protection (see 10.6). In that case, the user is also referred to the sampling plans indexed by limiting quality (LQ) given in ISO 2859-2.