

AS 1199—1988

Australian Standard<sup>®</sup>

---

**SAMPLING PROCEDURES AND  
TABLES FOR INSPECTION BY  
ATTRIBUTES**

---

This Australian Standard was prepared by Committee QR/4, Statistical Quality Procedures. It was approved on behalf of the Council of the Standards Association of Australia on 4 January 1988 and published on 15 April 1988.

---

The following interests are represented on Committee QR/4:

Australian Organization for Quality Control  
Bureau of Steel Manufacturers of Australia  
Confederation of Australian Industry  
CSIRO Division of Mathematics and Statistics  
Department of Defence  
Department of Primary Industry  
Federal Chamber of Automotive Industries  
Federation of Automotive Products Manufacturers  
Institute of Quality Assurance  
National Association of Testing Authorities Australia  
Telecom Australia  
University of Wollongong

---

**Review of Australian Standards.** *To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.*

*Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.*

*Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.*

---

AS 1199—1988

Australian Standard<sup>®</sup>

---

**SAMPLING PROCEDURES AND  
TABLES FOR INSPECTION BY  
ATTRIBUTES**

---

First published as AS 1199—1972.  
Second edition 1988.

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 4901 7

## PREFACE

This Standard was prepared by the Association's Committee on Statistical Quality Procedures to supersede AS 1199—1972. AS 1199—1972 was based to a large extent on the ABCA-ARMY-STD-105A prepared by a working group representing the military services of the US, the UK and Canada, and on the US, UK, Canadian and Australian versions of that Standard published as MIL-STD-105D, DEF-131-A, CA-C-115, and DEF(AUST)165, respectively.

The Australian Standard differed from the ABCA-ARMY-STD in that the definitions of terms given were in accord with AS 1057—1972, *Glossary of terms relating to quality control*. The appendix on sequential sampling given in the British Defence Specification DEF-131-A had been added, and a further appendix was included which gave tables relating to the occurrence of no defectives in a sample.

This Standard contains essentially the same material as AS 1199—1972, but with typographical changes. Editorial changes are confined to the revision of some definitions and clarification of some clauses.

For convenience of publication, Tables 1 to 10-S have been taken from ISO/DIS 2859/1, however, wherever the decimal comma appears in these tables it should be replaced by the decimal point.

A major revision, however, is the substitution of the words 'nonconformity' and 'nonconforming item', for the words 'defect' and 'defective' used in the 1972 edition. This is in line with ISO policy of using 'nonconformity' to denote departure from specification, as opposed to 'defect' denoting the inability to satisfy normal usage requirements. To avoid any conflict with the definitions of AS 1057—1985, *Quality assurance and quality control glossary of terms*, this Standard does not use the words 'defect' or 'defective'.

Most users of this Standard will find it sufficiently descriptive to stand on its own. However, more guidance in its theory and application is available in AS 1399—1973 (under revision) *Guide to AS 1199*.

## © Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

## CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 SCOPE . . . . .	6
1.2 APPLICATION . . . . .	6
1.3 REFERENCED DOCUMENTS . . . . .	6
1.4 DEFINITIONS . . . . .	6
SECTION 2. NONCONFORMANCE—NONCONFORMITIES AND NONCONFORMING ITEMS	
2.1 DEFINITIONS APPLICABLE TO SECTION 2 . . . . .	7
2.2 CLASSIFICATION OF NONCONFORMITIES . . . . .	7
SECTION 3. ACCEPTABLE QUALITY LEVEL (AQL)	
3.1 DEFINITION APPLICABLE TO SECTION 3 . . . . .	8
3.2 USE . . . . .	8
3.3 LIMITATION . . . . .	8
3.4 SPECIFYING AQLS . . . . .	8
3.5 PREFERRED AQLS . . . . .	8
SECTION 4. SUBMISSION OF PRODUCT	
4.1 DEFINITIONS APPLICABLE TO SECTION 4 . . . . .	8
4.2 PRESENTATION OF BATCHES OR LOTS . . . . .	8
SECTION 5. DRAWING OF SAMPLES	
5.1 DEFINITIONS APPLICABLE TO SECTION 5 . . . . .	9
5.2 SELECTION OF SAMPLES . . . . .	9
5.3 TIME OF SAMPLING . . . . .	9
5.4 DOUBLE, MULTIPLE OR SEQUENTIAL SAMPLING . . . . .	9
SECTION 6. ACCEPTANCE OR REJECTION	
6.1 ACCEPTANCE OF A BATCH OR LOT . . . . .	9
6.2 NONCONFORMING ITEMS OR UNITS OF PRODUCT . . . . .	9
6.3 SPECIAL RESERVATION FOR CRITICAL NONCONFORMITIES . . . . .	9
6.4 RESUBMITTED BATCHES OR LOTS . . . . .	9
SECTION 7. NORMAL, TIGHTENED AND REDUCED INSPECTION	
7.1 DEFINITIONS APPLICABLE TO SECTION 7 . . . . .	10
7.2 GENERAL . . . . .	10
7.3 INITIATION OF INSPECTION . . . . .	10
7.4 CONTINUATION OF INSPECTION . . . . .	10
7.5 SWITCHING PROCEDURES . . . . .	10
7.6 DISCONTINUATION OF INSPECTION . . . . .	10
SECTION 8. SAMPLING PLANS	
8.1 DEFINITIONS APPLICABLE TO SECTION 8 . . . . .	11
8.2 SELECTION OF INSPECTION LEVEL . . . . .	11
8.3 CODE LETTERS . . . . .	11
8.4 OBTAINING A SAMPLING PLAN . . . . .	11
8.5 TYPES OF SAMPLING PLANS . . . . .	11
SECTION 9. DETERMINATION OF ACCEPTABILITY	
9.1 PERCENT NONCONFORMING INSPECTION . . . . .	12
9.2 NONCONFORMITIES PER HUNDRED ITEMS OR UNITS OF PRODUCT INSPECTION . . . . .	12

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-