

**WITHDRAWN:**

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**Australian Standard®**

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**Software quality management  
system**

**Part 2: Implementation guide**

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This Australian Standard was prepared by Committee QR/3, Software Quality Assurance. It was approved on behalf of the Council of Standards Australia on 20 September 1991 and published on 4 November 1991.

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- Australian Computer Society
- Australian Electrical and Electronic Manufacturers Association
- Australian Information Industry Association
- Australian Organization for Quality
- Bureau of Steel Manufacturers of Australia
- Civil Aviation Authority (Commonwealth)
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**AS 3563.2—1991**

**Australian Standard®**

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## PREFACE

This Standard was prepared by the Standards Australia Committee on Software Quality Assurance. It has been prepared as guidance for implementing a software quality management system in accordance with the requirements of AS 3563.1, *Software quality management system*, Part 1: *Requirements*, and has been aligned with the clauses of that Standard.

This Part of the Standard should be read in conjunction with Part 1, which describes the requirements for a software quality management system for software development. Included in this Part of the Standard are a number of suggestions for developers to implement parts of the quality management system; it is not a template for such a system as the levels and types of controls should be selected to conform to the size and practices of the developer's organization.

This implementation guide complements that prepared by ISO: ISO 9000-3, Part 3: *Guidelines for the application of ISO 9001 to the development, supply and maintenance of software*.

It should also be made clear that this is not an auditor's guide. Guidance for auditing and assessment of quality management systems is given in the parts of AS 3911(Int)—1990, *Guidance for auditing quality systems*.

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## FOREWORD

The development and acquisition of computerized systems may be characterized by a recognized combination of two major components: hardware and software. The successful integration of these two major components is essential for compliance with overall user requirements. Essential to this successful integration is the application of a disciplined approach to management provided by a quality system.

Part 1 of this Standard presents a statement of requirements which may be nominated by individual customers, as a condition of contract or agreement, when seeking to obtain software for which they have need for assurance of quality prior to acceptance. This Part of the Standard gives practical guidance to software developers who are implementing these requirements either in response to a customer's demand or as a proactive step in improvement of quality.

As stated in Part 1, the requirements of the Standard only define the essential elements or features of the quality management system and Part 1 does not seek to prescribe how this system should be implemented. This Part of the Standard is a distillation of practical experience for this task of implementation. It is neither prescriptive nor exclusive and so nothing contained herein should be construed as being the best or only way to effectively implement a quality management system. It is for developers to establish the procedures appropriate to their scale, methodologies and organization to achieve the system outlined by the requirements of Part 1.

The examples given in the appendices which have been drawn from a number of sources are illustrative only and should not be assumed to be applicable to all situations.

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