

Australian Standard[®]

Design review



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Design review

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PREFACE

This Standard was prepared by the Standards Australia Committee QR-005, Dependability.

The objective of this Standard is to provide guidance on planning and conducting a design review during design and development, as a means of verifying that design input requirements are being met. Includes specific guidance on contributions by specialists in reliability, maintenance, maintenance support, availability and the life cycle of a product or system.

This Standard is identical with, and has been reproduced from IEC 61160, Ed.2 (2005), *Design review*.

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CONTENTS

	<i>Page</i>
INTRODUCTION	iv
1 Scope	1
1.1 General	1
1.2 Application	2
1.3 Types of application	2
2 Normative references	3
3 Terms and definitions	3
4 Management of the design review process	4
4.1 General recommendations	4
4.2 Documentation requirements	4
5 Management responsibility	4
5.1 Top management	4
5.2 Design manager	5
5.3 Management review	5
6 Design review process	5
6.1 General	5
6.2 Planning for the design review	7
6.3 Design review personnel	8
6.4 Preparation of input package	10
6.5 Meeting notification and agenda	10
6.6 Conduct of meeting	11
6.7 Design review minutes	12
6.8 Actions and recommendations	13
6.9 Follow-up and completion of action items and recommendations	13
Annex A (informative) Example of design stages and type of design review	14
Annex B (informative) Example of objectives for design review at different stages of a design's development	15
Annex C (informative) Example of design review panel attributes	17
Annex D (informative) Example of design review meeting topics	18
Annex E (informative) Example of team member responsibilities	20
Annex F (informative) Example design review checklists questions	21

INTRODUCTION

The dependability of a product is enhanced through implementation of necessary disciplines during the design and development phases of a product's life cycle. Like other technical and engineering disciplines, a design review needs to be properly managed in order to achieve its objectives.

Properly implemented, design reviews enhance the potential for delivering a product of the required dependability, quality, performance, safety and potential for reduction in costs and delivery schedule. Both supplier and customer can utilize it.

A design review is an advisory activity. It is intended primarily to provide verification of the work of the design development team, and to provide recommendations, where possible, to improve the product or process and its realization. Thus design reviews should be considered as a confirmation and refining procedure and not a creative one.

Design reviews, regardless of frequency or depth cannot replace good product definitions, design specifications, and management of the design and development process. Used as a control process, design reviews can provide the necessary verification of the successful outcome of the design effort at a given time.

Design reviews should not be confused with day-to-day management of a design project. The design manager carries the responsibility for the design and the final decisions for the response to a design review's actions and recommendations. Design reviews when properly conducted, increase confidence that design and development activities were carried out with due regard to all pertinent requirements for a product throughout its life cycle.

The application of this standard needs to be tailored to the needs of the design and development project or task in question and the organization preparing the design.

