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Australian Standard[®]

**Software configuration
management plans**

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PREFACE

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<i>Reference to IEEE Standard</i>	<i>Australian Standard</i>
610.12 IEEE Standard Glossary of Software Engineering Terminology	—
730.1 IEEE Standard for Software Assurance Plans (ANSI)	
1042 IEEE Guide to Software Configuration Management (ANSI)	4043 Software configuration management

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CONTENTS

Page

SECTION

1.	Introduction to the Standard	4
1.1	Scope	4
1.2	References	4
1.3	Definitions and Acronyms	5
2.	The Software Configuration Management Plan	5
2.1	Introduction	5
2.2	SCM Management	6
2.2.1	Organization	6
2.2.2	SCM Responsibilities	6
2.2.3	Applicable Policies, Directives, and Procedures	6
2.3	SCM Activities	6
2.3.1	Configuration Identification	7
2.3.1.1	Identifying Configuration Items	7
2.3.1.2	Naming Configuration Items	8
2.3.1.3	Acquiring Configuration Items	8
2.3.2	Configuration Control	8
2.3.2.1	Requesting Changes	8
2.3.2.2	Evaluating Changes	8
2.3.2.3	Approving or Disapproving Changes	9
2.3.2.4	Implementing Changes	9
2.3.3	Configuration Status Accounting	9
2.3.4	Configuration Audits and Reviews	9
2.3.5	Interface Control	9
2.3.6	Subcontractor/Vendor Control	10
2.4	SCM Schedules	10
2.5	SCM Resources	10
2.6	SCM Plan Maintenance	10
3.	Tailoring of the Plan	11
3.1	Upward Tailoring	11
3.2	Downward Tailoring	11
3.3	Format	11
4.	Conformance to the Standard	11
4.1	Minimum Information	11
4.2	Presentation Format	12
4.3	Consistency Criteria	12
4.4	Conformance Declaration	12
FIGURE		
Fig 1	Configuration Identification Processes	7
TABLE		
Table 1	SCM Classes of Information	5

Standards Australia
Software configuration management plans

1. Introduction to the Standard

1.1 Scope. IEEE Std 828-1990 establishes the minimum required contents of a Software Configuration Management (SCM) Plan (the Plan). It is supplemented by IEEE Std 1042-1987 [4]¹, which provides approaches to good software configuration management planning. This standard applies to the entire life cycle of critical software; for example, where failure could impact safety or cause large financial or social losses. It also applies to noncritical software and to software already developed. The application of this standard is not restricted to any form, class, or type of software.

The Plan documents what SCM activities are to be done, how they are to be done, who is responsible for doing specific activities, when they are to happen, and what resources are required. It can address SCM activities over any portion of a software product's life cycle.

The content of the Plan is identified in Section 2 of the standard. The required information is indicated by the words "shall" and "required." Additional optional information is also identified as appropriate. The user of this standard, however, is expected to expand and supplement the minimum requirements as necessary for the development environment, specific industry,

organization, and project. Tailoring of a plan in conformance with this standard is described in Section 3.

The primary users of this standard are assumed to be those planning SCM activities or performing SCM audits.

In considering adoption of this standard, regulatory bodies should be aware that specific application of this standard may already be covered by one or more IEEE Standards documents relating to quality assurance, definitions, or other matters (see [2]). It is not the purpose of IEEE Std 828-1990 to supersede, revise, or amend existing standards directed to specific industries or applications.

1.2 References. This standard may be used in conjunction with the following IEEE Software Engineering Standards:

[1] IEEE Std 610.12-1990, IEEE Standard Glossary of Software Engineering Terminology.

[2] IEEE Std 730.1-1989, IEEE Standard for Software Quality Assurance Plans (ANSI).

[3] IEEE Std 1042-1987, IEEE Guide to Software Configuration Management (ANSI).

¹ The numbers in brackets correspond to those of the references listed in 1.2.