

Australian Standard™

**Technical drawings—General principles
of presentation**

**Part 21: Preparation of lines by CAD
systems**

This Australian Standard was prepared by Committee ME-072, Technical Drawings. It was approved on behalf of the Council of Standards Australia on 9 March 2005. This Standard was published on 4 May 2005.

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Department of Defence
Department of Education, Training and Employment (South Australia)
Design Association of New Zealand Inc
Master Builders Australia
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The Institute for Drafting and Design Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee ME-072, Technical Drawings.

This Standard is identical with and reproduced from ISO 128-21:1997, *Technical drawings—General principles of presentation, Part 21: Preparation of lines by CAD systems*.

This Standard is Part 21 of AS ISO 128 series, *Technical drawings—General principles of presentation*, which is published in parts as follows:

AS ISO

128	Technical drawings—General principles of presentation
128.1	Part 1: Introduction and index
128.20	Part 20: Basic conventions for lines
128.21	Part 21: Preparation of lines by CAD systems (this Standard)
128.22	Part 22: Basic conventions and applications for leader lines and reference lines
128.23	Part 23: Lines on construction drawings
128.24	Part 24: Lines on mechanical engineering drawings
128.25	Part 25: Lines on shipbuilding drawings

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<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS ISO	
128	Technical drawings—General principles of presentation	128	Technical drawings—General principles of presentation
128-20	Part 20: Basic conventions for lines	128.20	Part 20: Basic conventions for lines
		AS	
5455	Technical drawings—Scales	1100	Technical drawing—Scales
		1100.101	Part 101: General principles

INTRODUCTION

Today the appearance of non-continuous lines on technical drawings prepared by computer-aided design (CAD) systems varies considerably between different systems. For that reason the standardized rules established by this International Standard, in addition to those in ISO 128-20, are intended as an aid for the consistent appearance of line elements calculated by computers and drawn by plotters.

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AUSTRALIAN STANDARD

Technical drawings — General principles of presentation —

Part 21:

Preparation of lines by CAD systems

1 Scope

This part of ISO 128 specifies procedures for the calculation of the most important basic types of non-continuous lines according to ISO 128-20 and their line elements.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 128. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 128 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 128-20:1996, *Technical drawings — General principles of presentation — Part 20: Basic conventions for lines*.

ISO 5455:1979, *Technical drawings — Scales*.

3 Definitions

For the purposes of this part of ISO 128 the definitions given in ISO 128-20 apply.

4 Calculation of line elements

4.1 Line type No. 02 (dashed line)

See figure 1 for the configuration of this type of line.