



Programmable controllers

Part 4: User guidelines



This Australian Standard® was prepared by Committee IT-006, Industrial Process Measurement, Control and Automation. It was approved on behalf of the Council of Standards Australia on 14 November 2014.
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Australian Standard[®]

Programmable controllers

Part 4: User guidelines

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Industrial Process Measurement, Control and Automation, to supersede AS IEC 61131.4—2004.

The objective of this Standard is to introduce the end-users of Programmable Controllers (PLCs) to the AS IEC 61131 series, and to assist the end-users in their selection and specification of PLC equipment according to the AS IEC 61131 series. This user guideline has as its main audience PLC end-users.

This Standard should be read in conjunction with the other parts of the AS IEC 61131 series.

This Standard is identical with, and has been reproduced from, IEC/TR 61131-4, Ed. 2.0 (2004), *Programmable controllers—Part 4: User guidelines*.

This edition differs extensively from the previous (2004) edition. Whereas the previous edition was mainly tutorial in nature, this edition aims to provide an engineering overview of the AS IEC 61131 series for those end-users of PLCs who may not be expected to delve into the extensive details of the AS 61131 series, but wish to understand the benefit of using AS IEC 61131 compliant PLCs.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this part of IEC 61131’ should read ‘this Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
IEC	AS IEC
61131 Programmable controllers	61131 Programmable controllers
61131-1 Part 1: General information	61131.1 Part 1: General information
61131-2 Part 2: Equipment requirements and tests	61131.2 Part 2: Equipment requirements and tests
61131-3 Part 3: Programming languages	61131.3 Part 3: Programming languages
61131-5 Part 5: Communications	61131.5 Part 5: Communications
61131-7 Part 7: Fuzzy control programming	61131.7 Part 7: Fuzzy control programming
61131-8 Part 8: Guidelines for the application and implementation of programming languages	61131.8 Part 8: Guidelines for the application and implementation of programming languages

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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