



## **Programmable controllers**

### **Part 8: Guidelines for the application and implementation of programming languages**



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 17 November 2014.  
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This Standard was issued in draft form for comment as DR AS IEC 61131.8:2014.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard<sup>®</sup>

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# **Part 8: Guidelines for the application and implementation of programming languages**

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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 61131.8—2004.

The objective of this Standard is to provide guidelines for the implementation of the programming languages defined in AS IEC 61131.3, in programmable controller systems and their programming support environments (PSEs).

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 61131-8, Ed. 2.0 (2003), *Programmable controllers—Part 8: Guidelines for the application and implementation of programming languages*.

The principal differences between this and the previous edition have been made to align this edition with the current edition of AS IEC 61131.3.

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 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

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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