AS IEC 61131.2—2004
IEC 61131-2:2003

AS IEC 61131.2

Australian Standard™

Programmable controllers

Part 2: Equipment requirements and tests

STANDARDS
AUSTRALIA

This Australian Standard was prepared by Committee IT-006, Information Technology for Industrial Automation. It was approved on behalf of the Council of Standards Australia on 15 January 2004 and published on 22 March 2004.

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Originated as AS 4168.2—1994.
Revised and redesignated as AS IEC 61131.2—2004.

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Information Technology for Industrial Automation to supersede AS 4168.2—1994, *Programmable controllers,* Part 2: *requirements and tests.*

This Standard is identical with, and has been reproduced from, IEC 61131-2:2003, *Programmable controllers—Part 2: Equipment requirements and tests*.

The objective of this Standard is to specify requirements and related tests for programmable controllers (PLC) and their associated peripherals (for example, programming and debugging tools (PADTs), human-machine interfaces (HMIs), etc.) which have as their intended use the control and command of machines and industrial processes.

This Standard is Part 2 of AS IEC 61131 *Programmable controllers*, which consists of the following:

Part 1: General information
Part 2: Equipment requirements and tests (this Standard)
Part 3: Programming languages
Part 4: User guidelines
Part 5: Communications
Part 7: Fuzzy control programming
Part 8: Guidelines for the application and implementation of programming languages

AS IEC 61131 does not have a Part 6. A project to develop IEC 61131-6 *Programmable controller communications via field bus* was deleted in September 2000 by the IEC.

In this Standard, the following print types are used:

– requirements proper: in arial type;

– *test specifications: in italic type;*

– explanatory matter: in smaller arial type.

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

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'this part of IEC 61131' should read 'this part of AS IEC 61131'.

(c) A full point should be substituted for a comma when referring to a decimal marker.

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