

Australian Standard[®]

**Customer/utility information
exchange**

**Part 3: Customer premises
interfaces**

This Australian Standard was prepared by Committee TE/18, Customer Metering and Services Interfaces. It was approved on behalf of the Council of Standards Australia on 17 January 1995 and published on 5 May 1995.

The following interests are represented on Committee TE/18:

Agriculture and Resource Management Council of Australia and New Zealand
Association of Metering and Customer Services
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Gas Association
Australian Information Industry Association
Electricity Supply Association of Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee on Customer Metering and Services Interfaces to supersede AS 4141.3 (Int)—1993.

The objective of this Standard is to provide the utility metering industry with details of interfaces at customer premises that will provide for ready interconnection of the various elements in a system of information exchange between utilities and customers, including provision for automatic meter reading, load control, value-added customer services and system control automation.

In this edition reference to CEBus (EIA IS-60) has been dropped and minor editorial improvements made.

This Standard is Part 3 of AS 4141, *Customer/utility information exchange*, which is published in Parts as follows:

Part 1: System architecture and functionality

Part 2: Applications and performance

Part 3: Customer premises interfaces

Other Parts are under consideration.

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STANDARDS AUSTRALIA

Australian Standard

Customer/utility information exchange

Part 3: Customer premises interfaces

1 SCOPE This Standard specifies requirements for interfaces at the customer premises between elements in a customer/utility information exchange (CUIE) system.

2 APPLICATION This Standard shall be read in conjunction with AS 4140 and AS 4141.1.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- | | |
|-----------|---|
| 1284 | Electricity metering |
| 1284.10.1 | Part 10.1: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—IEC Standard interface |
| 1284.10.2 | Part 10.2: Data exchange for meter reading, tariff and load control—Direct local data exchange via hand-held unit (HHU)—ANSI Standard interface |
| 2777 | Information processing systems—Open Systems Interconnection—Basic reference model |
| 3100 | Approval and test specification—General requirements for electrical equipment |
| 4140 | Metering and utility information exchange—Glossary of terms |
| 4141 | Customer/utility information exchange |
| 4141.1 | Part 1: System architecture and functionality |

Electronic Industries Association

EIA/TIA

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|-------|---|
| 232-E | Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange |
| 422-A | Electrical Characteristics of Balanced Voltage Digital Interface Circuits |

4 DEFINITIONS For the purpose of this Standard, the definitions given in AS 4140 apply.