

Australian Standard[®]

**Geographic information systems—
Data dictionary for transfer of street
addressing information**

This Australian Standard was prepared by Committee IT/4, Geographic Information Systems. It was approved on behalf of the Council of Standards Australia on 25 May 1994 and published on 19 September 1994.

The following interests are represented on Committee IT/4:

Association of Aerial Surveyors, Australia
Australasian Urban & Regional Information Systems Association
Australian New Zealand Land Information Council
Australian Bureau of Statistics
Australian Geological Survey Organization
Australian Key Centre in Land Information Studies
Australian Photogrammetric & Remote Sensing Society
Australian Surveying & Land Information Group (AUSLIG),
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State Land Information Council, N.S.W.
Survey and Mapping, Department of Finance, Vic.
Telecom Australia
The Australian Map Circle
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Computer system vendors
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT/4 on Geographic Information Systems in response to a need for exchanging street address information in thematic mapping and cadastral applications. Postal address applications are also included.

The objective of this Standard is to provide users of geographical information systems with a description of the data items for transferring information for a street address. The Standard may also be applied by developers of databases for street addresses.

This Standard is the result of a consensus among Australian and New Zealand representatives on the Joint Committee to produce this document as an Australian Standard.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Geographic information systems—Data dictionary for transfer of street addressing information

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out the data items necessary to define the components in the transfer of information for a street address. The components have been grouped into three categories—personal, location and postal details.

These three categories have been chosen to enable users of this Standard to minimize both the amount of data being transferred and the software to be written to support such a transfer.

The three categories provide the facility to limit a data transfer to one of these categories, or to transfer data indexed to street addresses which are defined by one of the categories. Also, the numbering of the fields in the Standard provides an alternative method to transfer data associated with a particular field, or a specified group of fields. This would be achieved by using these numbered fields (complete with the relevant street addressing data) as an index to the associated data.

The personal details are included in this Standard only because they are part of the mailing/billing address requirements of organizations such as Australia Post and local councils. However, the formats and conventions used for personal details in this Standard are designed purely for use in transferring addresses and are not necessarily suitable for other applications, such as transferring owner names.

The fields listed within each category represent all identified needs. These fields are specified as a transfer standard for electronically stored address data. They do not have to restrict the way the fields are to be entered, stored or formatted in output reports on any individual application or system.

Appendix A has been included to illustrate how data transferred in this Standard can be reformatted to comply with Australia Post's output requirements.

Appendix B provides abbreviations for street types for use in transferring data electronically.

NOTE: Appendix C is included to provide an overview to the fields and their structure.

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

AS

2632 Codes for the representation of names of countries

3654 Information processing—Specification for a data descriptive file for information interchange (ISO 8211)

1.3 FORMAT OF FIELDS Field lengths have been defined for the data fields described in this Standard. Where there is excess field length, the alphabetic data transferred is to be left-justified in the data fields, while the numeric data is to be right-justified.

NOTE: It is possible to transfer data with variable field lengths using the format specified in AS 3654.