AS 4590.1:2017

Interchange of client information

Part 1: Data elements and interchange formats

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Australian Standard®

Interchange of client information

Part 1: Data elements and interchange formats

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PREFACE

This Standard was prepared by Standards Australia Subcommittee IT-004-07, Revision of AS 4590, for Standards Australia Committee IT-004, Geographical Information/Geomatics, to supersede AS 4590—2006 *Interchange of client information*.

This revised Standard is a result of industry and government concern at the myriad of data interchange formats used within the information technology industry for the exchange of client information and the requirement of machine to machine sharing of client information across platforms. The objective of this Standard is to provide industry common client data elements and formats for data storage and interchange that will eliminate the need for creative variations.

This Standard will improve identification practices within a party. For parties that match, validate and interchange client information this Standard will improve matching processes.

The abbreviations, data interchange descriptions and recommendations are aimed at improving data accuracy and interoperability.

The addressing information interchange, Section 5 of this Standard, has been aligned with AS/NZS 4819 *Rural and urban addressing*. AS/NZS 4819 was compiled to direct authorities required to allocate physical addresses, whether they be to properties, features or facilities. This revision of AS 4590 has been extended to cater for new address provisions noted in AS/NZS 4819 and has been reviewed and amended to minimize ambiguity and maximize understanding in client data interchange. Whether such information is exchanged as simple text files or structured XML files, this Standard aims to ensure a common understanding by both the sender and receiver of the data content.

AS/NZS 4819 and Amendment 1 to AS/NZS 4819 should be consulted when assigning addresses; AS 4590 need not be used for this purpose. Amendment 1 to AS/NZS 4819 is in the form of a guideline that provides explicit advice on the structure of addresses that are assigned.

The working group has noted the large body of work currently underway on international address and addressing standards, ISO 19160 (a profile is given in Appendix H). This work should be considered in future reviews of AS 4590.

Electronic contact details have been updated in this revised Standard.

Wherever possible, the definitions of data elements in this Standard are based on existing standards. Reference has been made to International and Australian Standards, and to standards from the Australian Bureau of Statistics.

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

CONTENTS

Page

SECTION 1 SCOPE AND GENERAL
1.1 SCOPE 5
1.2 APPLICATION 6
1.3 REFERENCE DOCUMENTS 6
1.4 DATA ELEMENT STRUCTURE 8

SECTION 2 PARTY IDENTIFICATION DETAILS
2.1 GENERAL 10
2.2 IDENTIFIER DESIGNATION 11
2.3 IDENTIFIER STATUS 12

SECTION 3 PERSON DETAILS
3.1 GENERAL 14
3.2 PERSON NAME CONSIDERATIONS 16
3.3 GENERAL GUIDE TO NAMES 16
3.4 PERSON NAME DETAILS 17
3.5 PERSON DEMOGRAPHIC DETAILS 23

SECTION 4 ORGANIZATION DETAILS
4.1 GENERAL 29
4.2 ORGANIZATION NAME DETAILS 31
4.3 ORGANIZATION INDUSTRY CODE 34
4.4 ORGANIZATION LEGAL TYPE CODE 35
4.5 ORGANIZATION INSTITUTIONAL SECTOR CODE 36
4.6 ORGANIZATION BROAD ECONOMIC SECTOR CODE 37
4.7 LEVEL OF GOVERNMENT CODE 38
4.8 AUSTRALIAN GOVERNMENT JURISDICTION CODE 39
4.9 ENTITY TYPE CODE 39
4.10 ORGANIZATION ACTIVITY STATUS 40
4.11 ORGANIZATION REGISTRATION 41

SECTION 5 ADDRESS DETAILS
5.1 GENERAL 44
5.2 ADDRESS USAGE CODE 47
5.3 PHYSICAL ADDRESS INDICATOR 48
5.4 ADDRESS STATUS CODE 48
5.5 CLIENT ADDRESS CURRENCY DETAILS 49
5.6 ADDRESSING WITHIN A COMPLEX 51
5.7 PRIMARY ADDRESS 58
5.8 ADDRESS SITE NAME 59
5.9 ROAD NUMBER 59
5.10 ROAD 60
5.11 POSTAL DELIVERY 62
5.12 LOCALITY NAME 63
5.13 AUSTRALIAN STATE OR TERRITORY CODE 63
5.14 AUSTRALIAN POSTCODE 64
5.15 UNSTRUCTURED ADDRESS LINE 65
5.16 COUNTRY NAME CODE 66
5.17 LOCATION DESCRIPTION 66

5.18 DELIVERY POINT IDENTIFIER 67
5.19 GEOCODE 67

SECTION 6 ELECTRONIC CONTACT DETAILS
6.1 GENERAL 72
6.2 ELECTRONIC CONTACT USAGE CODE 73
6.3 ELECTRONIC CONTACT PREFERENCE CODE 73
6.4 INTERNET 74
6.5 TELEPHONE 76

APPENDICES
A NAME ABBREVIATIONS 80
B ADDRESSING ABBREVIATIONS 85
C ROAD TYPES—AUSTRALIA 88
D GEOCODE FEATURE TYPES AND DESCRIPTIONS 91
E ELECTRONIC CONTACT DETAILS—USAGE CODES/TELEPHONE NUMBER/AREA CODE 92
F PRIVACY PRINCIPLES 93
G NAMING SYSTEMS OF ETHNIC GROUPS 94
H ISO 19160-1:2015 ADDRESS PROFILE 95

BIBLIOGRAPHY 106

STANDARDS AUSTRALIA

Australian Standard
Interchange of client information

Part 1: Data elements and interchange formats

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

1.1.1 General

This Standard sets out requirements for data elements for the interchange of client information. The data elements covered comprise party identification, person details, organization details, addressing, and electronic contact details, see Figure 1.1.

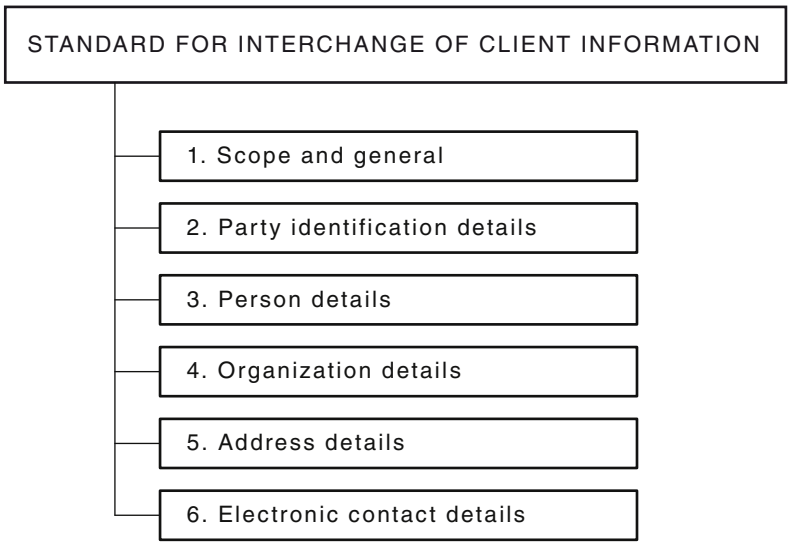

FIGURE 1.1 REPRESENTATION OF AS 4590 DATA ELEMENTS

This Standard focuses only on the interchange of Australian client information. International client information is beyond the scope of this Standard.

This Standard does not address data interchange syntax but does recommend best practise of parsing the components of an address rather than storing as an unparsed text string.

This Standard applies to databases that require a standard definition of the format for datasets relating to the client information. Items such as person/organization details, addressing and contact details are given a data standard that can be utilized by databases.

1.1.2 Interchange message design

This Standard does not provide guidance on the principles for interchange message design and how the different parts of this Standard may be assembled into an interchange format. This Standard does not focus on the design of how the data is structured together, or any other data modelling standards. It is focused primarily on how individual data elements are presented in a common format for interchange of that data.

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