MALAYSIAN STANDARD

MS 1759:2015

Geographic information/geomatics - Feature and attribute codes (First revision)

ICS: 35.080

Descriptors: data processing, information interchange, network interconnection, communication procedure, management, concepts, models, rules (instructions), feature, attribute code

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Contents

Committee representation

The Industry Standards Committee on Information Technology, Communications and Multimedia (ISC G) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Chief Government Security Office
Cybersecurity Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Institut Tadbiran Awam Negara, Malaysia
Majlis Keselamatan Negara
Malaysian Administrative, Modernisation and Management Planning Unit
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Malaysian National Computer Confederation
Malaysian Technical Standards Forum Bhd
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Ministry of Domestic Trade, Co-operatives and Consumerism
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Multimedia University
Persatuan Industri Komputer dan Multimedia Malaysia
Science and Technology Research Institute for Defence
Suruhanjaya Komunikasi dan Multimedia Malaysia
Telekom Malaysia Berhad
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Geographic Information/Geomatics which developed this Malaysian Standard consists of representatives from the following organisations:

Agensi Remote Sensing Malaysia
Astronautic Technology (M) Sdn Bhd
Department of Agriculture Malaysia
Department of Survey and Mapping Malaysia
Department of Town and Country Planning
ESRI Malaysia Sdn Bhd
Jabatan Kerja Raya Malaysia
Malaysian Agricultural Research and Development Institute
Malaysian Centre for Geospatial Data Infrastructure
Minerals and Geoscience Department Malaysia
Ministry of Natural Resources and Environment
National Space Agency
SIRIM Berhad (Secretariat)
Universiti Putra Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi MARA

Foreword

This Malaysian Standard was developed by the Technical Committee on Geographic Information/Geomatics under the authority of the Industry Standards Committee on Information Technology, Communications and Multimedia.

Major modifications in this revision are as follows:

a) coding of features at larger scale (1:500) in which there is a need for some agencies to map features on a large scale for the purpose of maintenance, including the category of transportation (road furniture), utility category, the category of the built environment. In addition, the encoding features on a very small scale (1:1 000 000) are also given for the categories of built environment (BZ0000) categories of vegetation (VZ0000);

b) addition of a new subcategory (DD - Land Use Planning) related to land use planning information;

c) full revision on coding of features and attributes for soil category; and

d) revision of subcategory for vegetation from six subcategories with three additional subcategories.

This Malaysian Standard cancels and replaces MS 1759:2004, *Geographic information/geomatics - Feature and attribute codes*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

Introduction

This Malaysian Standard is intended for use by all businesses that produce, distribute or utilise geospatial data, either alone or in conjunction with non-geospatial data. These range from geographic information systems, decision support systems, data mining, data warehousing, to modelling and simulations. Application areas include but not limited to resource planning and management, automated mapping, geo-engineering, construction, communication, transportation and utilities.

It provides a system for feature and attribute coding by which producers and users of geographic information may use in structuring their digital spatial data. This standard facilitates sharing and exchanging between both data producers and users.