

MS 1759

**MALAYSIAN STANDARD GEOGRAPHIC
INFORMATION/GEOMATICS FEATURE AND ATTRIBUTE CODES**

User Manual/*Manual Pengguna*

Pusat Geospasial Negara (PGN)

Versi 2020



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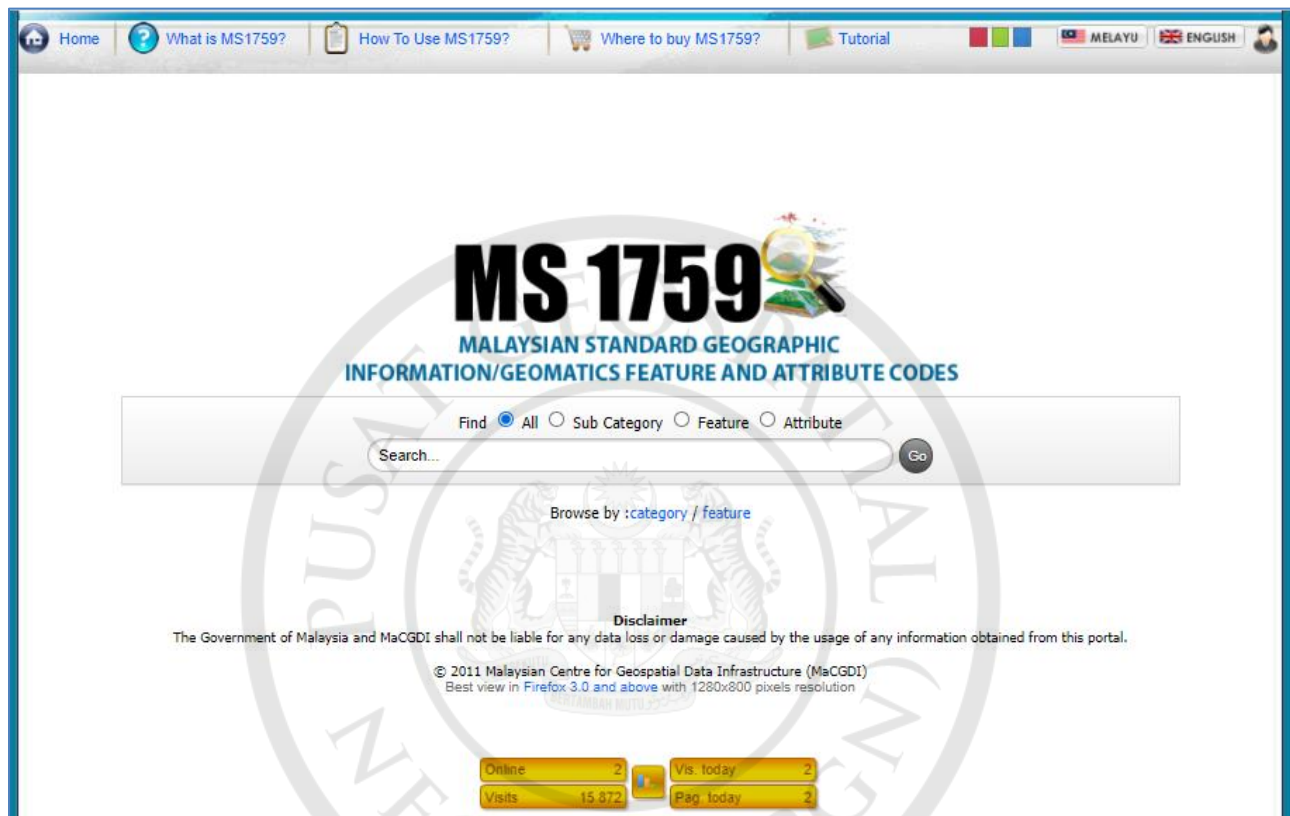
CHAPTER 1: INTRODUCTION

BAB 1: PENGENALAN

1. MAIN PAGE / HALAMAN UTAMA

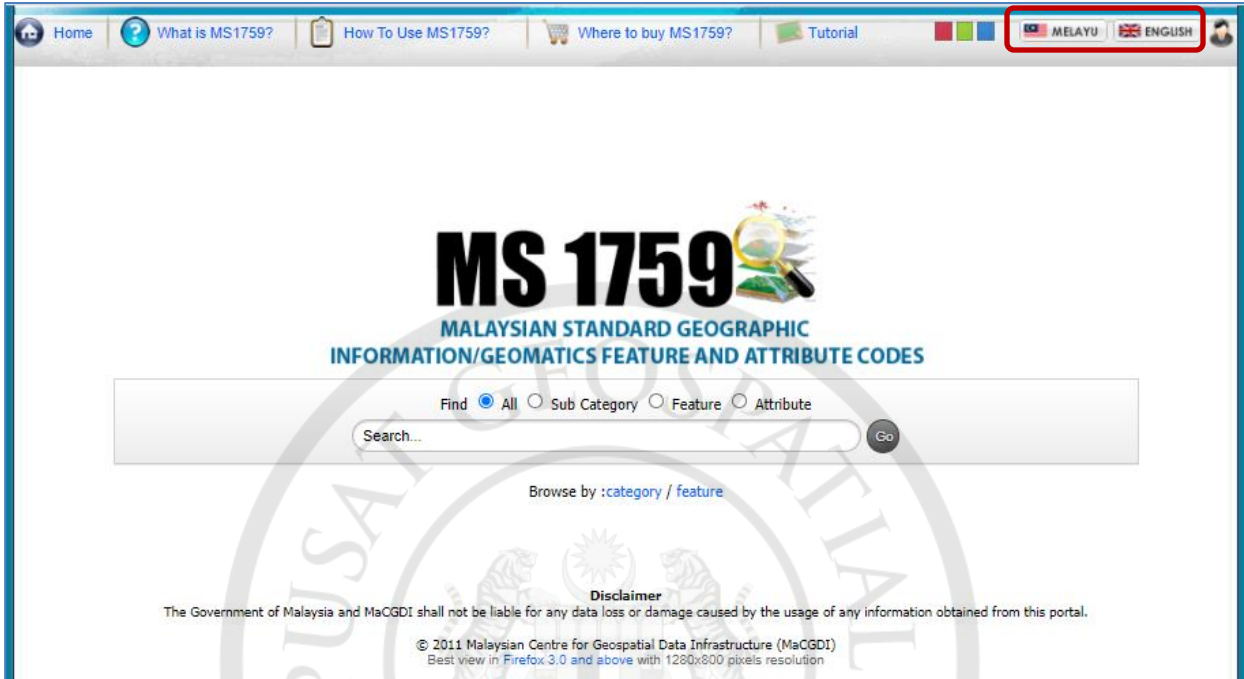
1.1. Below shows the main page of the system.

Berikut adalah halaman utama sistem.



2. LANGUAGE / BAHASA

- 2.1. For language, you may select your language by clicking either **Melayu** or **English**.
*Untuk bahasa, anda boleh memilih bahasa dengan menekan **Melayu** atau **English**.*
 *Note: Please note that all codes and features are in English.
 *Nota: Sila ambil perhatian bahawa semua kod dan fitur adalah dalam Bahasa Inggeris.

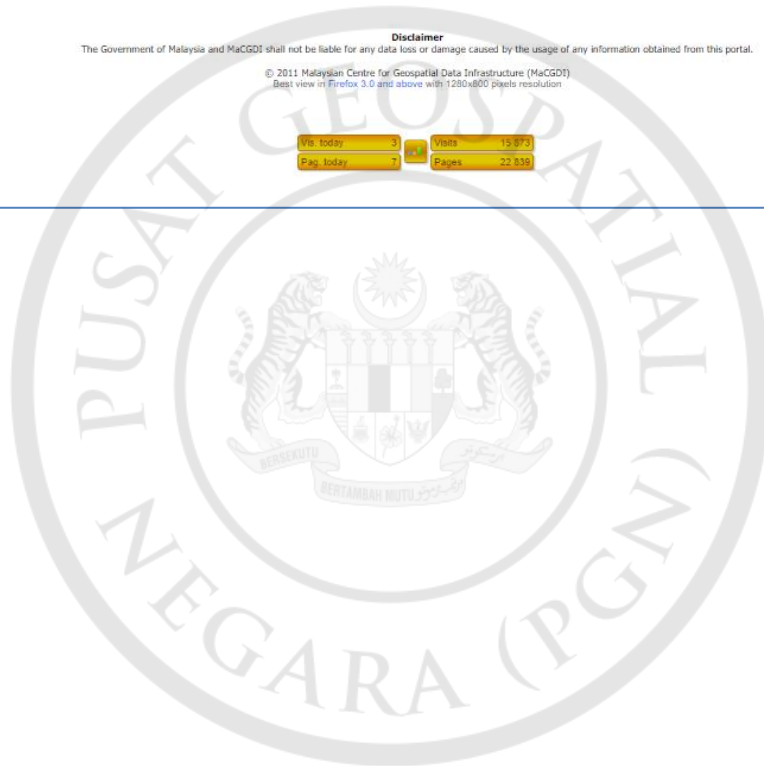


3. BACKGROUND COLOUR / WARNA LATAR BELAKANG

- 3.1. There are three choices of background colours for the page. Change the colour by clicking on the colour and it will be changed.
Terdapat tiga pilihan warna latar belakang. Klik pada warna dan ia akan bertukar.



- 3.2. For example, click on the red icon and the background page will change into red colour.
Sebagai contoh, klik pada ikon merah dan latar belakang akan bertukar kepada warna hijau.



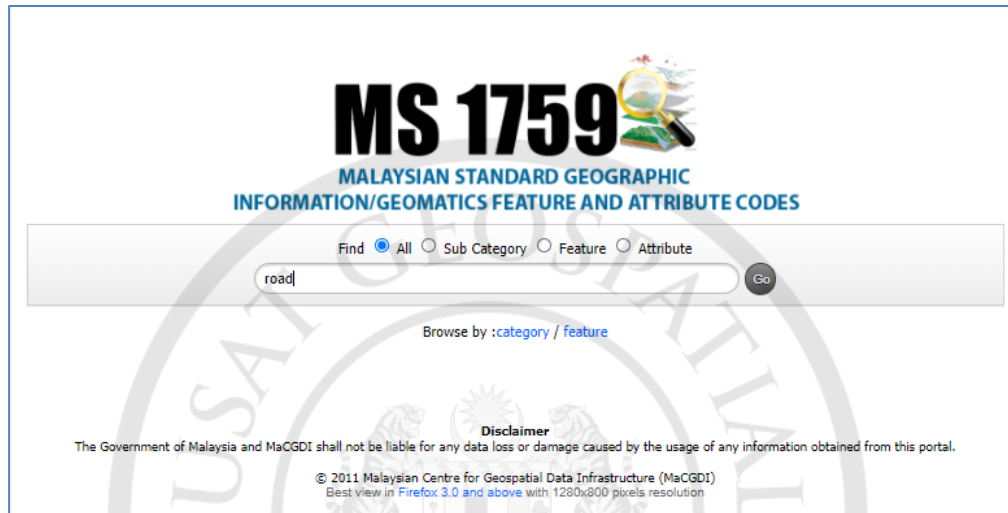
CHAPTER 2: SEARCH

BAB 2: CARIAN

1. SEARCH / CARIAN

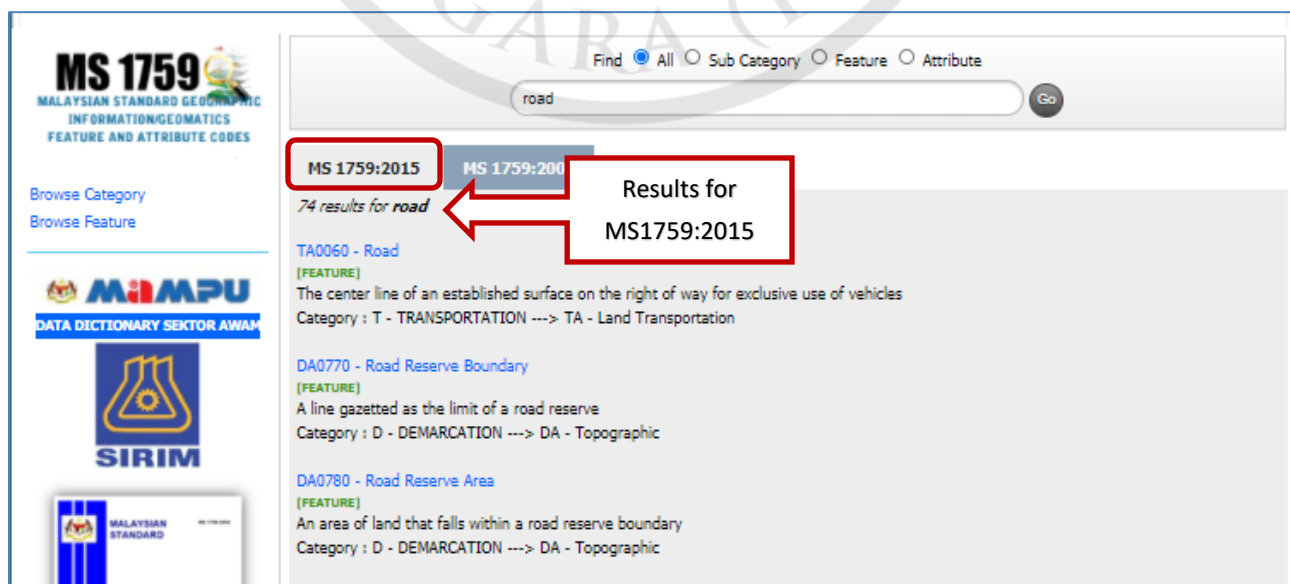
- 1.1. At the main page, insert any word desired by user and click **Go**. Alternatively, user may also press **Enter** button on the keyboard.

*Di halaman utama, pengguna hanya perlu menaip carian yang dikehendaki dan klik **Go**. Selain itu, pengguna juga boleh menekan butang **Enter** pada papan kekunci.*



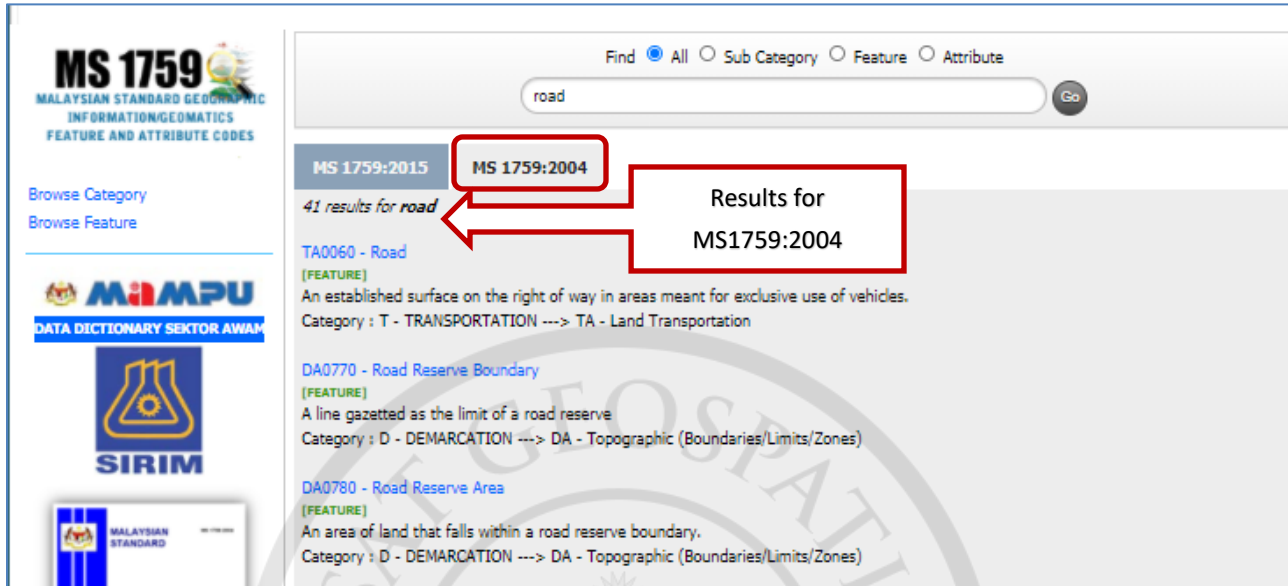
- 1.2. For example, users want to search for information about road. Users just need to type the word "road" in the search field and click **Go**. The results will be displayed as follows:

*Sebagai contoh, pengguna ingin membuat carian berkaitan jalan. Pengguna hanya perlu menaip perkataan "road" pada ruangan carian dan klik **Go**. Hasil carian akan dipaparkan seperti berikut:*



*Note: Please note that the results of codes and features searches are from MS1759: 2015 (by default). If the users want to search for 2004 version, they only need to select the MS1759: 2004 tab.

*Nota: Sila ambil perhatian bahawa hasil carian kod dan fitur adalah dari MS1759: 2015MS1759 (secara default). Sekiranya pengguna ingin membuat carian versi 2004, pengguna hanya perlu memilih tab MS1759:2004.



MS 1759
MALAYSIAN STANDARD GEOGRAPHIC
INFORMATION/GEOMATICS
FEATURE AND ATTRIBUTE CODES

Browse Category
Browse Feature

MAMPU
DATA DICTIONARY SEKTOR AWAM

SIRIM

MALAYSIAN STANDARD

Find All Sub Category Feature Attribute

road

MS 1759:2015 MS 1759:2004

41 results for road

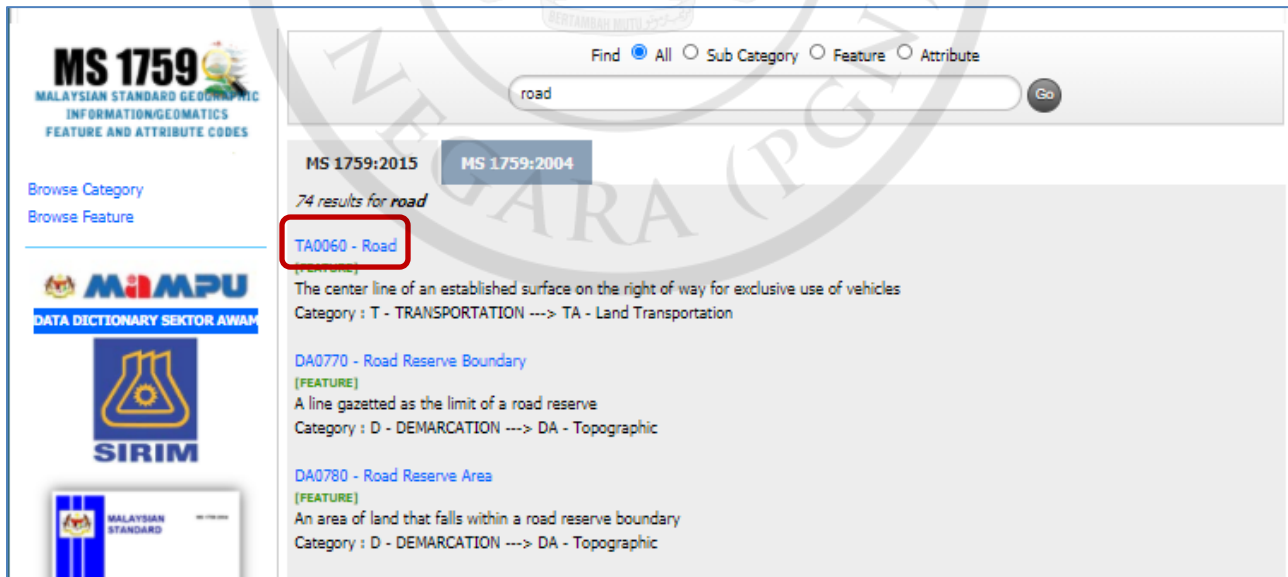
TA0060 - Road
[FEATURE]
An established surface on the right of way in areas meant for exclusive use of vehicles.
Category : T - TRANSPORTATION ---> TA - Land Transportation

DA0770 - Road Reserve Boundary
[FEATURE]
A line gazetted as the limit of a road reserve
Category : D - DEMARCATION ---> DA - Topographic (Boundaries/Limits/Zones)

DA0780 - Road Reserve Area
[FEATURE]
An area of land that falls within a road reserve boundary.
Category : D - DEMARCATION ---> DA - Topographic (Boundaries/Limits/Zones)

Results for MS1759:2004

- 1.3. Click on the desired words from the search results to view the details. For example, "road".
Klik pada perkataan yang dikehendaki dari hasil carian untuk melihat perinciannya. Contohnya, "road".



MS 1759
MALAYSIAN STANDARD GEOGRAPHIC
INFORMATION/GEOMATICS
FEATURE AND ATTRIBUTE CODES

Browse Category
Browse Feature

MAMPU
DATA DICTIONARY SEKTOR AWAM

SIRIM

MALAYSIAN STANDARD

Find All Sub Category Feature Attribute

road

MS 1759:2015 MS 1759:2004

74 results for road

TA0060 - Road
[FEATURE]
The center line of an established surface on the right of way for exclusive use of vehicles
Category : T - TRANSPORTATION ---> TA - Land Transportation

DA0770 - Road Reserve Boundary
[FEATURE]
A line gazetted as the limit of a road reserve
Category : D - DEMARCATION ---> DA - Topographic

DA0780 - Road Reserve Area
[FEATURE]
An area of land that falls within a road reserve boundary
Category : D - DEMARCATION ---> DA - Topographic

Find All Sub Category Feature Attribute

Feature Code and Name
TA0060 - Road /

Document Version and Page
MS 1759:2015,
MS 1759:2004.

Description
The center line of an established surface on the right of way for exclusive use of vehicles


Category
TRANSPORTATION (T) ----> Land Transportation (TA)

Feature Class
Line

Possible Attributes

- [Name \(NAM\)](#)
- [Area Measure \(sq m\) \(ARM\)](#)
- [Toll \(TOL\)](#)
- [Traffic Flow \(RDF\)](#)
- [Route Number \(RTN\)](#)
- [Number of Lane \(LAN\)](#)
- [Status \(STA\)](#)
- [Authority \(AUT\)](#)
- [Road Pavement Type \(RPV\)](#)
- [Custodian \(CUS\)](#)
- [Road Category \(RDC\)](#)
- [Road Service Area \(RDS\)](#)
- [Carriageway Type \(CWT\)](#)
- [Section Number \(SEC\)](#)
- [Pavement Surface Type \(PVT\)](#)
- [Capacity Value \(CPV\)](#)
- [Road Class \(RCS\)](#)
- [Road Surface Composition \(RSC\)](#)
- [International Roughness Index \(IRI\)](#)
- [Road Level Height \(RLH\)](#)
- [Width of Lane \(WLN\)](#)
- [Level of Service \(LVS\)](#)

Line Photo



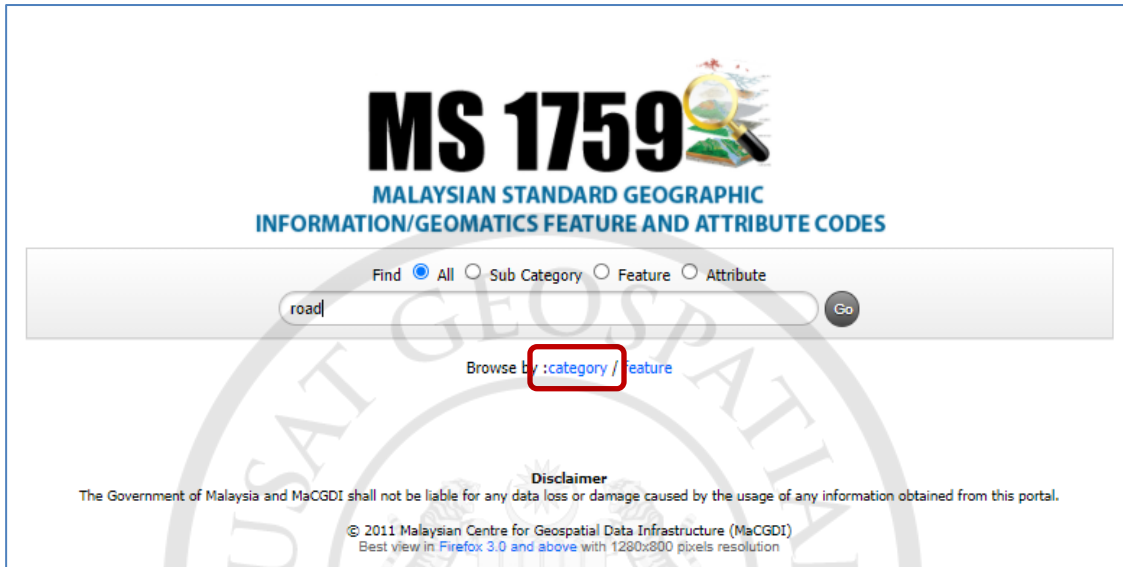
8

CHAPTER 3: BROWSE

BAB 3: LAYAR

1. CATEGORY / KATEGORI

- 1.1. To browse by categories, click **Category**.
*Untuk mencari melalui kategori, klik **Category**.*




- 1.2. Mouse over your cursor to the list of category to view the picture. For example, "VEGETATION".
Gerakkan tetikus pada senarai kategori untuk melihat gambar. Sebagai contoh, "VEGETATION".

Browse Category

MS 1759:2015 History

[Collapse All](#) | [Expand All](#) | [Toggle All](#)

- [A - AERONAUTICAL](#)
- [B - BUILD ENVIRONMENT](#)
- [D - DEMARCATION](#)
- [G - GEOLOGY](#)
- [H - HYDROGRAPHY](#)
- [R - HYSOGRAPHY](#)
- [S - SOIL](#)
- [T - TRANSPORTATION](#)
- [U - UTILITY](#)
- [V - VEGETATION](#)
- [X - SPECIAL USE \(DATASET-SPECIFIC\)](#)
- [Z - GENERAL](#)



This category includes geospatial data on agricultural land use activities, boundaries and areas of vegetation such as forest, mangrove, wetland, dryland and cropland.

- 1.3. Click the category to expand the sub category.
Klik kategori untuk melihat sub kategori.

The screenshot shows the 'Browse Category' interface. On the left, a list of categories is shown, with 'V - VEGETATION' highlighted. A red arrow points to a detailed view of the 'V - VEGETATION' category, where 'VA - Agriculture' is highlighted. A second red arrow points to a further detailed view of the 'VA - Agriculture' category, where 'VA1030 - Coconut' is highlighted.

The screenshot shows the feature details page for 'VA1030 - Coconut'. The page includes the following information:

- Feature Code and Name:** VA1030 - Coconut /
- Document Version and Page:** MS 1759:2015,
- Description:** An area planted primarily with coconuts. Coconuts are classified as a fibrous one-seeded drupe. A drupe is a fruit with a hard stony covering enclosing the seed (like a peach or olive) and comes from the word drupa meaning overripe olive. At an immature stage, the fruit (water coconut) contains mainly water and a little jelly-like meat instead of the hard white flesh (meat - endosperm) found in mature coconuts
- Category:** VEGETATION (V) → Agriculture (VA)
- Feature Class:** Polygon
- Possible Attributes:**
 - Name (NAM)
 - Area Measure (hectares) (ARH)
 - Vegetation Year Planted (VYP)
 - Scientific Name (SCN)
 - Vegetation Variety (VYV)
 - Vegetation Status (VGS)
 - Vegetation Yield Production (VEP)
 - Label (LBL)
 - Height (HEI)
 - Density Measure (% of Tree/Canopy Cover) (DEN)
 - Tree Spacing Category (TSC)
 - Stem Diameter Size (SDS)
 - Brush/Undergrowth Density Code (BUD)
- Polygon Photo:** A photograph showing a coconut plantation.

2. FEATURE / FITUR

- 2.1. To browse by features, click **Feature**. Then, users may search alphabetically.
*Untuk mencari melalui fitur, klik **Feature**. Kemudian, pengguna boleh membuat carian mengikut abjad.*



MS 1759
 MALAYSIAN STANDARD GEOGRAPHIC
 INFORMATION/GEOMATICS FEATURE AND ATTRIBUTE CODES

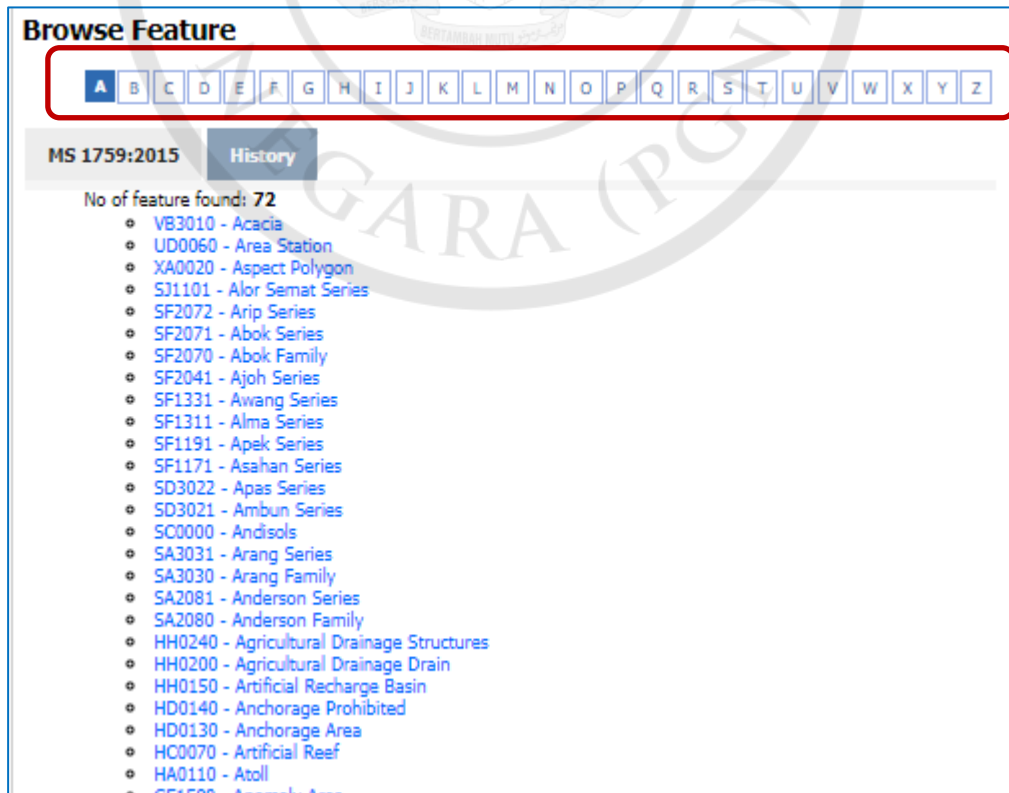
Find All Sub Category Feature Attribute

road

Browse by :category **feature**

Disclaimer
 The Government of Malaysia and MaCGDI shall not be liable for any data loss or damage caused by the usage of any information obtained from this portal.

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 Best view in Firefox 3.0 and above with 1280x800 pixels resolution



Browse Feature

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

MS 1759:2015

No of feature found: **72**

- VB3010 - Acacia
- UD0060 - Area Station
- XA0020 - Aspect Polygon
- SJ1101 - Alor Semat Series
- SF2072 - Arip Series
- SF2071 - Abok Series
- SF2070 - Abok Family
- SF2041 - Ajoh Series
- SF1331 - Awang Series
- SF1311 - Alma Series
- SF1191 - Apek Series
- SF1171 - Asahan Series
- SD3022 - Apas Series
- SD3021 - Ambun Series
- SC0000 - Andisols
- SA3031 - Arang Series
- SA3030 - Arang Family
- SA2081 - Anderson Series
- SA2080 - Anderson Family
- HH0240 - Agricultural Drainage Structures
- HH0200 - Agricultural Drainage Drain
- HH0150 - Artificial Recharge Basin
- HD0140 - Anchorage Prohibited
- HD0130 - Anchorage Area
- HC0070 - Artificial Reef
- HA0110 - Atoll
- GE1500 - Anomaly Area

- 2.2. Click the feature's name to view the details.
Klik nama fitur untuk melihat keterangan fitur.

Browse Feature

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

MS 1759:2015
History

No of feature found: **72**

- VB3010 - Acacia
- UD0060 - Area Station
- XA0020 - Aspect Polygon
- SJ1101 - Alor Semat Series
- SF2072 - Arip Series
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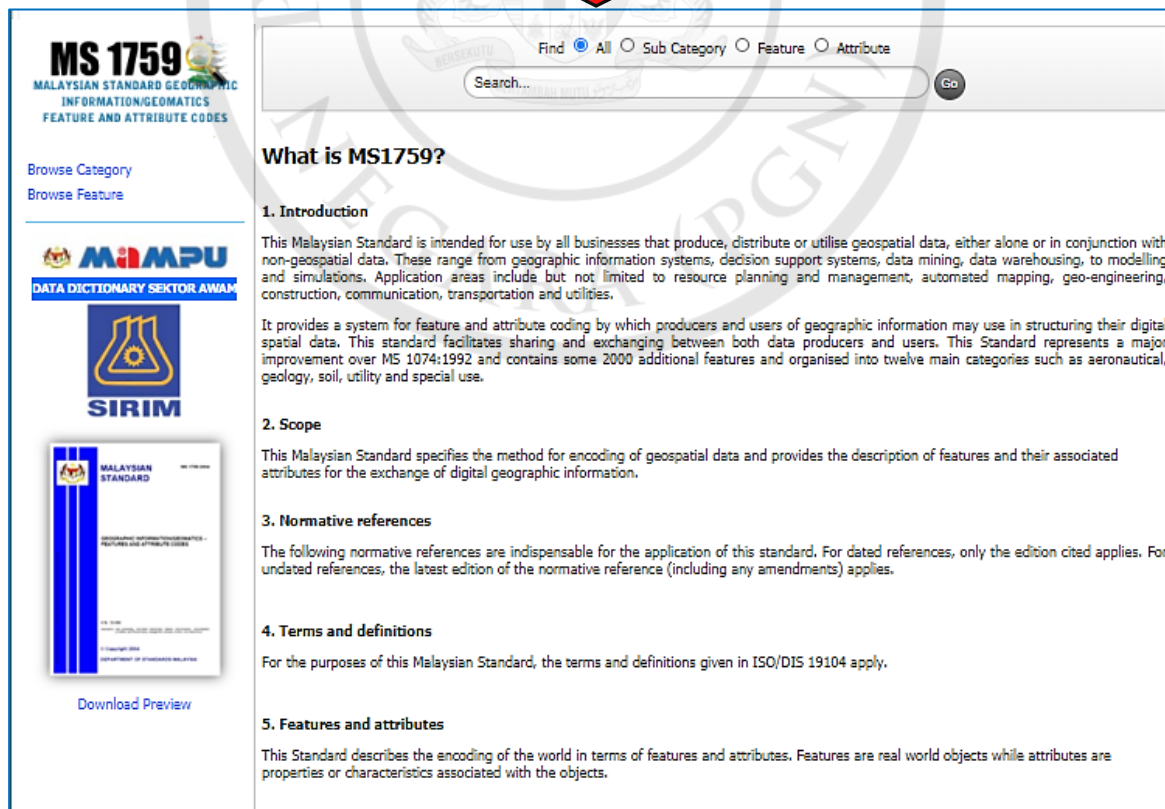
Feature Code and Name
HH0240 - Agricultural Drainage Structures /
Document Version and Page
MS 1759:2015, MS 1759:2004,
Description
Wooden or reinforced concrete structures used to control the water in an agricultural area
Category
HYDROGRAPHY (H) ---> Inland Water (HH)
Feature Class
Polygon
Possible Attributes
<u>Agricultural Drainage Structures Purpose (ADS)</u>
<u>Name (NAM)</u>

CHAPTER 4: WHAT IS MS1759?

BAB 4: APAKAH MS1759?

1. WHAT IS MS1759? / APAKAH MS1759?

- 1.1. Click **What is MS1759?** to view the description.
*Klik **Apakah MS1759?** untuk melihat keterangan.*

MS 1759
MALAYSIAN STANDARD GEOGRAPHIC
INFORMATION/GEOMATICS
FEATURE AND ATTRIBUTE CODES

Browse Category
Browse Feature

MAMPU
DATA DICTIONARY SEKTOR AWAM

SIRIM

Download Preview


Find All Sub Category Feature Attribute

Search... Go

What is MS1759?


- 1. 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. This Standard represents a major improvement over MS 1074:1992 and contains some 2000 additional features and organised into twelve main categories such as aeronautical, geology, soil, utility and special use.
- 2. Scope**
 This Malaysian Standard specifies the method for encoding of geospatial data and provides the description of features and their associated attributes for the exchange of digital geographic information.
- 3. Normative references**
 The following normative references are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the normative reference (including any amendments) applies.
- 4. Terms and definitions**
 For the purposes of this Malaysian Standard, the terms and definitions given in ISO/DIS 19104 apply.
- 5. Features and attributes**
 This Standard describes the encoding of the world in terms of features and attributes. Features are real world objects while attributes are properties or characteristics associated with the objects.

- 1.2. Click **Download Preview** to download the PDF file.
*Klik **Download Preview** untuk memuat turun fail Format Dokumen Mudah Alih.*
 **Auto-download




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INFORMATION/GEOMATICS
FEATURE AND ATTRIBUTE CODES


[Browse Category](#)
[Browse Feature](#)



MAMPU
DATA DICTIONARY SEKTOR AWAM



SIRIM



Download Preview

Find All Sub Category Feature Attribute

Search... Go

What is MS1759?

1. Introduction

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This Standard describes the encoding of the world in terms of features and attributes. Features are real world objects while attributes are properties or characteristics associated with the objects.

CHAPTER 5: HOW TO USE MS1759

BAB 5: BAGAIMANA MENGGUNAKAN MS1759

1. HOW TO USE MS1759 / BAGAIMANA MENGGUNAKAN MS1759

- 1.1. Click **How To Use MS1759**.
Klik Panduan MS1759.



- 1.3. Then, the description will be displayed.
Kemudian, penerangan cara penggunaan akan dipaparkan.

How to Use MS1759?

1. Coding of features and attributes

This standard has not been developed to the requirements of any single application or level of resolution. This standard is also not meant to support any specific digital product. As with any dictionary, there may be more than one way to encode spatial entities, either by offering a choice of features or a combination of features and attributes

For example, an airport is listed as feature **AB0010 - Aerodrome** (A defined area on land or water intended to be used either wholly or in part for the arrival, departure and surface movement of aircrafts, could also be coded as feature **BD0010 - Institutional Building** with attribute INU (Institutional Usage) with a coded value of 001 (Airport Terminal)).

The choice is entirely up to user own application and interpretation; to code only the terminal building or the entire aerodrome area. Feature codes are shown in Annex A and Attribute codes and values are given in Annex B. Annex B also provides information as to the units, formats, ranges, increments and maximum text characters typically associated with each actual value attribute.

If a feature does not reside within this standard, it is allowed for a user-designated features and associated attributes. Otherwise, features and attributes shall be encoded using this standard. The process for amending and updating this standard is described in 2.3.

2. Coding structure

2.1 Features

Each feature is identified by a unique six-character code. The first character corresponds to the feature category and can have an alphabetic value from A through Z. Currently there are twelve feature categories, including one category, X, which has been reserved for special use (dataset-specific) features.

2.2 Attributes

Attributes are used to describe characteristics of a feature. Each attribute is described by using attribute codes to represent the category of information. Attribute value format statements provide a computer interpretation for the attribute value data type (e.g. real, alphanumeric) and attribute values give quantitative/qualitative meaning to the attribute code. An attribute can be used by any feature, but care must be taken so that only meaningful attributes are chosen for a particular feature.

For example, syntactically, an attribute "Lift Facilities" can be used with feature "Rail Line", but semantically, the combination is useless. A list of possible attributes for each feature have been provided for the convenient of users.

2.2.1 Attribute codes

Each attribute is identified by a unique three character alphanumeric code. For example, the attribute "Road Service Area" has the code **RDS** and the attribute "Bridge Construction Material Type" has the code **BMT**.

CHAPTER 6: WHERE TO BUY MS1759?

BAB 6: DI MANA MENDAPATKAN MS1759?

1. WHERE TO BUY MS1759? / DI MANA MENDAPATKAN MS1759?

- 1.1. Click **Where To Buy MS1759**. Then, the page will be directly to their link.
 Klik **Mendapatkan MS1759**. Kemudian, halaman akan terus ke pautan yang berkaitan.




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 Advanced Search

Display per Page: 10

Page: 1 of 615, Total 6147

No	MS No.	Title	Year	Type	Preview	Price (RM)
1	MS 1 :1996, Including AMD. 1:1998	SPECIFICATION PROTECTIVE HELMETS FOR VEHICLE USERS (SECOND REVISION)	1996	Original		20.00
2	MS 1000:2003	SPECIFICATION FOR SOYA BEAN MILK AND DRINK (FIRST REVISION)	2003	Original		30.00
3	MS 1001:2002	SPECIFICATION FOR DRIED CHILLIES IN GROUND (POWDERED) FORM	2002	Original		20.00
4	MS 1002:1986	SPECIFICATION FOR SURFACE BRUSH-ON PRESERVATIVE STAINS FOR WOOD	1986	Original		20.00
5	MS 1003:1986	SPECIFICATION FOR FOR MALDEHYDE SOLUTION FOR INDUSTRIAL USE	1986	Original		10.00
6	MS 1004:1986	METHODS OF CHEMICAL ANALYSIS OF SOFT SOLDER	1986	Original		30.00
7	MS 1005:1986	METHODS OF CHEMICAL ANALYSIS OF WHITE METAL BEARING ALLOYS	1986	Original		30.00
8	MS 1006:1986	METHODS OF TEST FOR RESIN FLUX CORED SOLDER	1986	Original		20.00
9	MS 1008:1986, Including AMD. 1:1993	METHOD FOR DETERMINATION OF DELIVERY RATE OF AEROSOL DISPENSER	1986	Original		10.00
10	MS 1009:1986	SPECIFICATION FOR PORTABLE ALUMINIUM STEP-LADDERS	1986	Original		20.00

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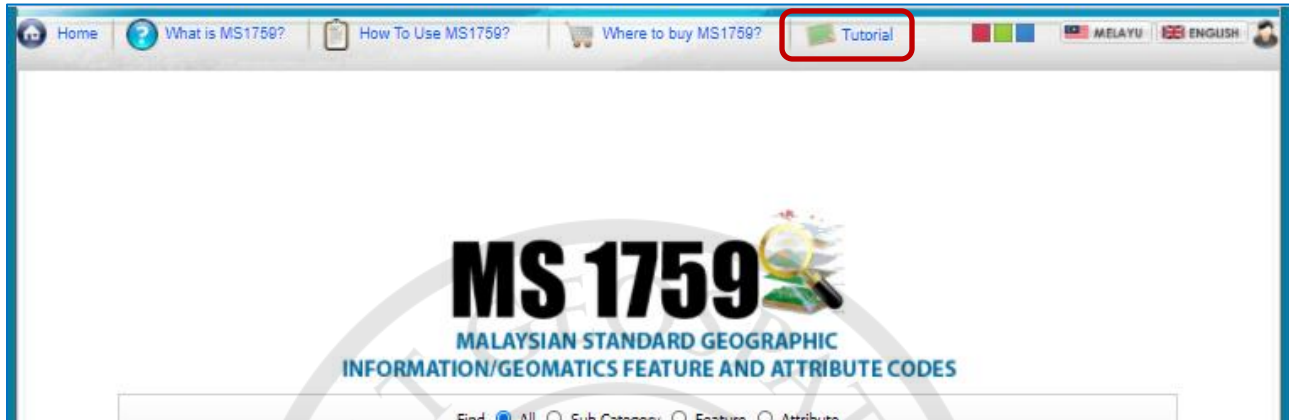
CHAPTER 7: TUTORIAL

BAB 7: TUTORIAL


1. TUTORIAL / TUTORIAL

1.1. Click **Tutorial** to view the tutorial video. Then click on desired video.


*Klik **Tutorial** untuk melihat video tutorial. Kemudian, klik pada video yang dikehendaki.*



1. Video tutorial bagaimana untuk menggunakan MS1759 enjin carian




2. Video tutorial bagaimana untuk menjana Geodatabase berpandukan kepada MS1759

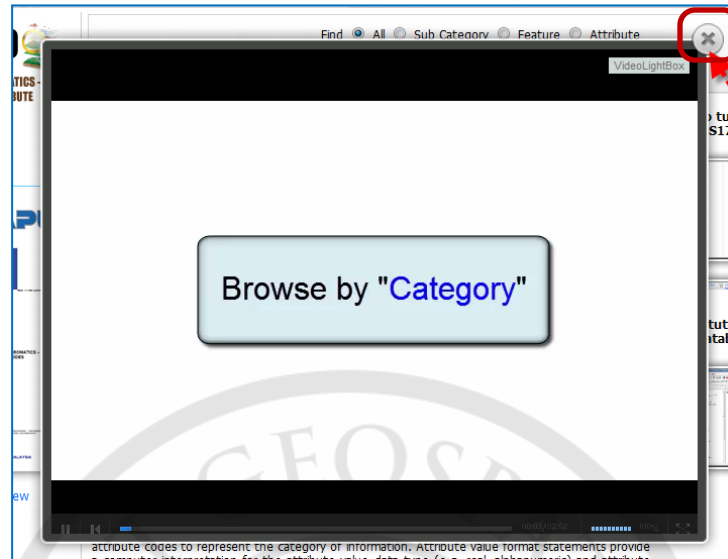


ArcGIS FME

3. Manual Pengguna





- 1.2. Next, the video will be played. To close the video, click an icon as shown below.
Seterusnya, video tersebut akan dimainkan. Untuk menutup video tersebut, sila klik ikon seperti yang ditunjuk.

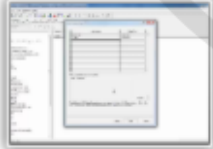



- 1.3. To download the user manual, click **User Manual**.
*Untuk memuat turun manual pengguna, klik pada **Manual Pengguna**.*

1. Video tutorial bagaimana untuk menggunakan MS1759 enjin carian

2. Video tutorial bagaimana untuk menjana Geodatabase berpandukan kepada MS1759


 ArcGIS


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3. Manual Pengguna

