

StreetPro Malaysia

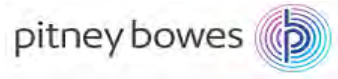
2016.09

Product Guide



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Table of Contents

Chapter 1: Introduction	5
About StreetPro®	6
StreetPro® Layer Tables	6
StreetPro® Reference Tables	7
StreetPro® Geocoding Tables	8
Workspaces	8
International Workspace Example	9
Local Workspace Example	10
Spectrum Spatial (MapXtreme) Workspace	11
Chapter 2: StreetPro® Installation	12
Workspace File Names	13
Uninstalling StreetPro®	13
Chapter 3: Data Descriptions	14
Spatial Referencing	15
StreetPro Layer Tables	15
Administrative Layers	15
Address Areas	17
Additional Details for Point Features	18
Additional Name	19
Address Files	20
Airports	28
Business Locations	29
Cross Roads	35
Ferry Routes	35
Freeway Interchanges	36
Frontier Crossings	37
Gazetteer Layers	37
Land Cover	39
Land Use	40
Natural Features	43
Oneways	44
Parking	44
Public Locations	45
Railways	48
Recreation Places	48
Stations	50

Table of Contents

Street Layers	51
Urban Areas	57
Water Feature Layers	58
Chapter 4: Opening a Workspace	60
Workspaces	61
International Workspace	61
Local Workspace	61
Opening a StreetPro International Workspace using MapInfo Professional.	61
Chapter 5: Language Settings and Special Characters	63
Displaying Special Characters in MapInfo Professional.	64
Language settings	64
Font selection	64
Appendix A: Understanding Metadata	65
What Is Metadata?	65
Purpose of Metadata	65
Metadata Sections	65
Viewing Metadata	66
Product Level	66
Table Level	66
Appendix B: Extras Folder	67
Language Table	68
miCodemaster Table	68
Gazetteer Full	69
Postcode Boundary	70
Postcode Points	71
Postcode and Ward Index Table	71
Appendix C: Data Support and Feedback	73
Feedback Process	73

Chapter 1: Introduction

Pitney Bowes Software welcomes you to StreetPro®

Welcome to the StreetPro Product Guide. This document will assist you with gaining maximum benefit from StreetPro by describing installation procedures and providing a detailed insight to the datasets and associated files that make up the product.

Feedback

Pitney Bowes Software strives to be responsive to the evolving and growing utility of this data product within numerous and wide-ranging types of organisations. We therefore encourage any feedback and suggestions (refer to [Appendix C: Data Support and Feedback](#)) that will assist us in developing the best possible dataset for your business requirements.

In this chapter:

◆ About StreetPro®	6
◆ StreetPro® Layer Tables	6
◆ StreetPro® Reference Tables	7
◆ StreetPro® Geocoding Tables	8
◆ Workspaces	8

About StreetPro®

The StreetPro suite of data products offers up-to-date premium street-level vector maps, with over 40 layers of information. They provide the real-world display and detailed quality needed to provide a flexible multi-purpose foundation for critical business use.

StreetPro is the full featured version of the product suite including detailed streets information, accurate street topology for basic routing purposes, rich feature information and administrative boundaries.

StreetPro® Layer Tables

Table	StreetPro®
Address Areas	x
Administrative Layers 0-5	x
Airports	x
Business Locations	x
Ferry Routes	x
Freeway Interchanges	x
Frontier Crossings	x
Gazetteer Levels 1-6	x
Gazetteer Full	x
Land Cover	x
Land Use	x
Natural Features	x
Ocean	x
Oneways	x
Parking	x
Postcode Boundary	x

Table	StreetPro®
Postcode Points	x
Public Locations	x
Railways	x
Recreation Places	x
Stations	x
Street 1-6	x
Urban Areas	x
Water Features	x
World	x

Note: x - Present

StreetPro® Reference Tables

Table	StreetPro®
Additional Names	x
Address details for point features	x
Postcode Locality Index	x

StreetPro® Geocoding Tables

Table	StreetPro®
Address Ranges	x
Street Names	x
Street Intersections	x

Workspaces

StreetPro makes available to all customers an international look-and-feel via its international workspace, whilst, in addition, providing an increasing number of countries with 'localised' workspaces, tailored to specific geographies.

International Workspace Example



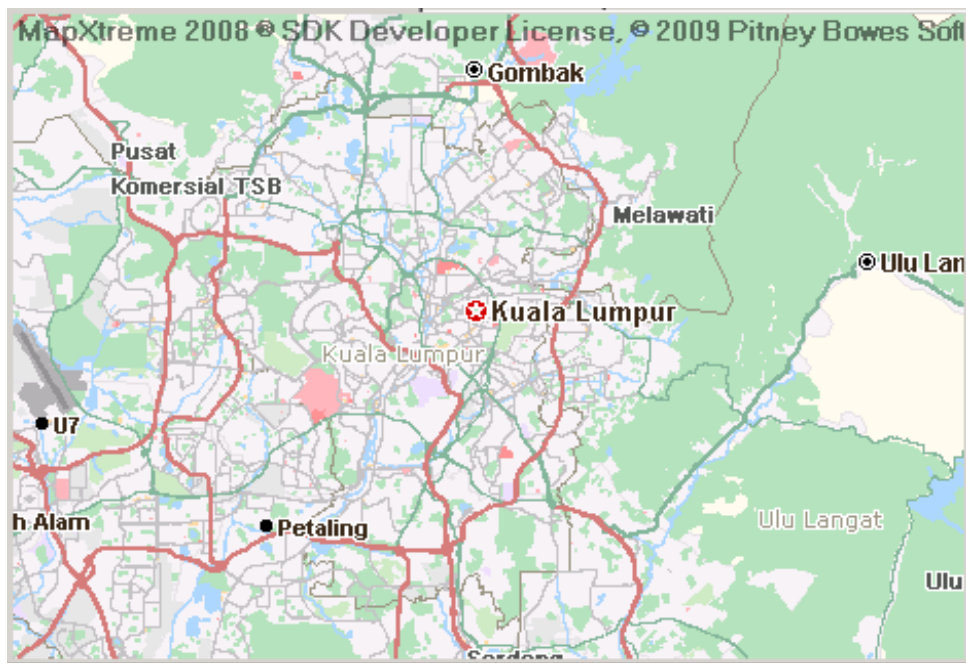
Local Workspace Example



Spectrum Spatial (MapXtreme) Workspace

We have implemented a new (MapXtreme) Workspace (MWS), *.mws workspace file designed as xxx_streetpro.mws where xxx represents three (3) letter country code.

The Workspace has been optimized to enable raster tile generation within Spectrum Spatial; focusing on both tile rendering, speed and representation of key geographical features at appropriate scale within the map view. This allow users to overlay their data providing geographical context and insight into what's important to them.



Chapter 2: StreetPro® Installation

In this chapter:

- ◆ [Workspace File Names](#)13
- ◆ [Uninstalling StreetPro®](#)13

Workspace File Names

StreetPro is supplied with two different types of workspace:

Type	International Workspace File Name	Local Workspace File Name	Example Mapping Application
MWS	mala_int.mws mys_streetpro.mws	mala.mws	MapXtreme Workspace Manager Spectrum Spatial
WOR	mala_int.wor	mala.wor	MapInfo Professional

Note: For more information on workspaces, refer to [Chapter 4: Opening a Workspace](#).

Uninstalling StreetPro®

StreetPro data and workspaces for a country can be uninstalled by opening **Add or Remove Programs** from the Windows **Control Panel**, and then selecting the particular version of **StreetPro Malaysia**, followed by **Remove**.

Confirming removal will delete all installed StreetPro files for the country from the system.

 **Warning: Any StreetPro tables or files that you have modified will not be removed during the uninstallation process.**

Chapter 3: Data Descriptions

The reference and geocoding tables included with StreetPro are also documented here.

In This Chapter

- ◆ [Spatial Referencing](#)15
- ◆ [StreetPro Layer Tables](#).....15

Spatial Referencing

StreetPro and Postcodes & Administrative Boundaries use the spatial referencing system defined in the table below for all international workspaces.

Projection	Coordinate System	Coordinate units
Longitude/Latitude	Longitude/Latitude (WGS84)	Decimal Degrees

StreetPro Layer Tables

This section contains information about the display characteristics, miCodes and the table structure of common feature layers in the international workspaces. The tables are listed in the alphabetical order of feature layer names. Within each layer, the features are listed in miCode order.

Administrative Layers



malaa0.* – malaa4.*

The Malaysia Administration Boundary layers include four levels of boundaries.


- Negeri (or State) Boundaries: Areas administered at a federal level.
- Daerah (or District) Boundaries: States are divided into Daerah and administered by a District and Land Office.
- Mukim (or Sub-district) Boundaries: Districts are divided into Mukims.
- Kampung Boundaries: Polygons that represent urban localities within metropolitan areas. These are at a lower level than Mukim boundaries and commonly referred to locally as names such as Kampung, Taman, Kawasan and Seksyens. The spatial definition of these boundaries is not authoritative. They are typically subsets of the Postcode boundaries.

miCode	Administrative Boundary	StreetPro Nomenclature
50010100	Malaysia	malaa0
50010101	Negeri	malaa1
50010102	Daerah	malaa2
50010103	Mukim	malaa3
50010104	Kampung	malaa4


Administrative 0**malaa0.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
30040100	Sea		Brush(2,11130623,16777215) Pen(1,2,11130623)
50010100	Administrative 0 - National Boundary		Brush(2,16316906,16777215) Pen (1, 2, 16316906)


Administrative 1**malaa1.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
50010101	Administrative 1 - Rehiyon boundaries		Brush(1,0,16777215) Pen (2, 2, 10000002)

Administrative 2**malaa2.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
50010102	Administrative 2 - Lalawigan boundaries		Brush(1,0,16777215) Pen(1,2,10000002)

Administrative 3**malaa3.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
50010103	Administrative 3 - Munisipyo (Lungsod) boundaries		Brush(1,0,16777215) Pen(1,3,10000002)

Administrative 4

malaa4.*

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
50010104	Administrative 4 - Barangay boundaries		Brush(1,0,16777215) Pen(1,10,10000002)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of administrative boundary	Character (100)	Yes
<i>Name_Lng</i>	Language of administrative boundary name or "UND" for undefined	Character (3)	No
<i>Off_Code</i>	Official code for administrative boundary or "UND" for undefined	Character (3) – for A0 Character (11) – for other Admin	Yes
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Address Areas

malaaa.*

The Address Areas table contains address features that cannot be related to the name of the street that passes by or through the area.

Not available in this region

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
50040200	Address Areas		Brush (2, 12632256, 16777215) Pen (1, 2, 12632256)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of address area	Character (100)	Yes
<i>Name_Lng</i>	Language of address area name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Additional Details for Point Features**malazp.***

The Address Details for Point Features table provides address and geocoding source information for the point features in the layers such as Business, Frontier Crossings, Public Locations, Parking, Recreation Places and Stations.

Table Structure

Field	Description	Type (width)	Indexed
<i>Table</i>	Name of the feature table that contains the feature for which the address details are provided	Character (6)	Yes
<i>Brand_Nm</i>	Brand name (available for car dealers, hotels, motels, petrol stations, car rental facilities, and restaurants only.)	Character (70)	No
<i>House_No</i>	House number	Character (10)	No
<i>Street_Nm</i>	Street Name	Character (100)	No
<i>Place_Nm</i>	Place Name	Character (100)	No
<i>Postcode</i>	Postcode	Character (10)	No
<i>Tel</i>	Telephone number	Character (25)	No
<i>Fax</i>	Fax number	Character (25)	No
<i>Email</i>	Email address	Character (70)	No
<i>Internet</i>	Internet address	Character (70)	No

Data Descriptions

Field	Description	Type (width)	Indexed
<i>PF_Loc_Src</i>	<p>Indicator value representing method and information by which the point feature was positioned:</p> <p>1 Location of point feature that has an entry point</p> <p>2 Location of point feature without entry point (closest road segment established by algorithm), e.g. mountain peak</p> <p>3 Location on a predefined place on the transportation network</p> <p>11 Exact location of the entrance of the point feature</p> <p>12 Nearest location on the transportation network with the correct address (point feature location is known)</p> <p>13 Interpolated location part way along the correct side of the road segment along which the point feature is located</p> <p>14 Location on the correct side of the correct road segment along which the point feature is located</p> <p>15 Location on the correct road segment along which the point feature is located</p> <p>16 Location on the correct road along which the point feature is located</p> <p>17 Location on the corresponding gazetteer point</p> <p>18 Location on other corresponding service</p> <p>99 No geocoding source information</p>	Character (2)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Additional Name

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The Additional Names table contains alternative names and names in different languages for some features.

Table Structure

Field	Description	Type (width)	Indexed
<i>Table</i>	Name of the table that contains the feature for which the additional name is provided	Character (6)	Yes
<i>Name</i>	Name	Character (150)	No
<i>Name_Lng</i>	Language	Character (3)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Address Files

malax1.*, malax2.*malax.*

Address Ranges

malax1.*

The Address Ranges are line features containing graphic and tabular information for street segments, address ranges, and reference numbers. These segments are additionally tagged with administrative information, so that the user can perform geocoding operations from within the MapInfo Professional

In style guide depicted below, **dotted** style represent the segment without address ranges and **solid line** style represent segments with house number despite being same miCode present in both these type of segments..

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
20050200	Address Ranges	---	Pen (2, 5, 8421504)
20080200	Address Ranges	---	Pen (2, 5, 8421504)
20050100	Address Ranges	---	Pen (2, 5, 8421504)
20050300	Address Ranges	---	Pen (2, 5, 8421504)
20070100	Address Ranges	---	Pen (2, 5, 8421504)
20090301	Address Ranges	---	Pen (2, 5, 8421504)

Data Descriptions

miCode	Features	Graphic Object Details	
20020100	Address Ranges	----	Pen (2, 5, 8421504)
20020410	Address Ranges	----	Pen (2, 5, 8421504)
20030200	Address Ranges	----	Pen (2, 5, 8421504)
20050400	Address Ranges	----	Pen (2, 5, 8421504)
20070400	Address Ranges	----	Pen (2, 5, 8421504)
20080100	Address Ranges	----	Pen (2, 5, 8421504)
20070501	Address Ranges	----	Pen (2, 5, 8421504)
20080300	Address Ranges	----	Pen (2, 5, 8421504)
20050410	Address Ranges	----	Pen (2, 5, 8421504)
20030100	Address Ranges	----	Pen (2, 5, 8421504)
20030110	Address Ranges	----	Pen (2, 5, 8421504)
20060200	Address Ranges	----	Pen (2, 5, 8421504)
20060100	Address Ranges	----	Pen (2, 5, 8421504)
20060400	Address Ranges	----	Pen (2, 5, 8421504)
20030305	Address Ranges	----	Pen (2, 5, 8421504)
20060410	Address Ranges	----	Pen (2, 5, 8421504)

















miCode	Features	Graphic Object Details	
20040200	Address Ranges	---	Pen (2, 5, 8421504)
20030400	Address Ranges	---	Pen (2, 5, 8421504)
20040100	Address Ranges	---	Pen (2, 5, 8421504)
20080400	Address Ranges	---	Pen (2, 5, 8421504)
20080600	Address Ranges	---	Pen (2, 5, 8421504)
20020400	Address Ranges	---	Pen (2, 5, 8421504)
20010110	Address Ranges	---	Pen (2, 5, 8421504)
20020200	Address Ranges	---	Pen (2, 5, 8421504)
20010100	Address Ranges	---	Pen (2, 5, 8421504)
20070300	Address Ranges	---	Pen (2, 5, 8421504)
20060300	Address Ranges	---	Pen (2, 5, 8421504)
20080210	Address Ranges	---	Pen (2, 5, 8421504)
20080410	Address Ranges	---	Pen (2, 5, 8421504)
20030300	Address Ranges	---	Pen (2, 5, 8421504)
20040300	Address Ranges	---	Pen (2, 5, 8421504)
20040400	Address Ranges	---	Pen (2, 5, 8421504)

Data Descriptions

miCode	Features	Graphic Object Details	
20010410	Address Ranges	----	Pen (2, 5, 8421504)
20010400	Address Ranges	----	Pen (2, 5, 8421504)
20030410	Address Ranges	----	Pen (2, 5, 8421504)
20090300	Address Ranges	----	Pen (2, 5, 8421504)
20070410	Address Ranges	----	Pen (2, 5, 8421504)
20040410	Address Ranges	----	Pen (2, 5, 8421504)
20040210	Address Ranges	----	Pen (2, 5, 8421504)
20050305	Address Ranges	----	Pen (2, 5, 8421504)
20080901	Address Ranges	----	Pen (2, 5, 8421504)
20040305	Address Ranges	----	Pen (2, 5, 8421504)
20090305	Address Ranges	----	Pen (2, 5, 8421504)
20020305	Address Ranges	----	Pen (2, 5, 8421504)
20080500	Address Ranges	----	Pen (2, 5, 8421504)
20030301	Address Ranges	----	Pen (2, 5, 8421504)
20020110	Address Ranges	----	Pen (2, 5, 8421504)
20070110	Address Ranges	----	Pen (2, 5, 8421504)

miCode	Features	Graphic Object Details	
20040110	Address Ranges	---	Pen (2, 5, 8421504)
20080310	Address Ranges	---	Pen (2, 5, 8421504)
20080110	Address Ranges	---	Pen (2, 5, 8421504)
20080910	Address Ranges	---	Pen (2, 5, 8421504)
20010300	Address Ranges	---	Pen (2, 5, 8421504)
20080800	Address Ranges	---	Pen (2, 5, 8421504)
20060501	Address Ranges	---	Pen (2, 5, 8421504)
20070500	Address Ranges	---	Pen (2, 5, 8421504)
20010100	Address Ranges	—	Pen (2, 2, 8421504)
20010110	Address Ranges	—	Pen (2, 2, 8421504)
20020100	Address Ranges	—	Pen (2, 2, 8421504)
20030100	Address Ranges	—	Pen (2, 2, 8421504)
20030110	Address Ranges	—	Pen (2, 2, 8421504)
20030200	Address Ranges	—	Pen (2, 2, 8421504)
20030300	Address Ranges	—	Pen (2, 2, 8421504)
20030410	Address Ranges	—	Pen (2, 2, 8421504)

Data Descriptions

miCode	Features	Graphic Object Details	
20040100	Address Ranges		Pen (2, 2, 8421504)
20040200	Address Ranges		Pen (2, 2, 8421504)
20040400	Address Ranges		Pen (2, 2, 8421504)
20050100	Address Ranges		Pen (2, 2, 8421504)
20050200	Address Ranges		Pen (2, 2, 8421504)
20050400	Address Ranges		Pen (2, 2, 8421504)
20050410	Address Ranges		Pen (2, 2, 8421504)
20060100	Address Ranges		Pen (2, 2, 8421504)
20060200	Address Ranges		Pen (2, 2, 8421504)
20060400	Address Ranges		Pen (2, 2, 8421504)
20070100	Address Ranges		Pen (2, 2, 8421504)
20070200	Address Ranges		Pen (2, 2, 8421504)
20070300	Address Ranges		Pen (2, 2, 8421504)
20070400	Address Ranges		Pen (2, 2, 8421504)
20070500	Address Ranges		Pen (2, 2, 8421504)
20080100	Address Ranges		Pen (2, 2, 8421504)

miCode	Features	Graphic Object Details	
20080110	Address Ranges	—	Pen (2, 2, 8421504)
20080200	Address Ranges	—	Pen (2, 2, 8421504)
20080210	Address Ranges	—	Pen (2, 2, 8421504)
20080300	Address Ranges	—	Pen (2, 2, 8421504)
20080400	Address Ranges	—	Pen (2, 2, 8421504)
20080500	Address Ranges	—	Pen (2, 2, 8421504)
20080600	Address Ranges	—	Pen (2, 2, 8421504)
20090300	Address Ranges	—	Pen (2, 2, 8421504)
20090301	Address Ranges	—	Pen (2, 2, 8421504)
20090305	Address Ranges	—	Pen (2, 2, 8421504)
20070200	Address Ranges	—	Pen (2, 2, 8421504)

Table Structure

Field	Description	Type (width)	Indexed
<i>FromLeft</i>	First address number on left side of street segment in direction of coordinates	Integer	No
<i>ToLeft</i>	Last address number on the left side of street segment in direction of coordinates	Integer	No
<i>FromRight</i>	First address number on the right side of the street segment in direction of coordinates	Integer	No

Data Descriptions

Field	Description	Type (width)	Indexed
<i>ToRight</i>	Last address number on the right side of street segment in direction of coordinates	Integer	No
<i>St_Nm_Lng</i>	ISO 3 character abbreviation of language of the street name	Char (3)	No
<i>District</i>	Name of first admin level on the street segment	Char (50)	No
<i>Town</i>	Name of second admin level on the street segment	Char (50)	No
<i>Locality</i>	Name of third admin level on the street segment	Char (50)	No
<i>PC_Left</i>	Post code on left side of the street segment	Char (10)	No
<i>PC_Right</i>	Post code on right side of the street segment	Char (10)	No
<i>miCode</i>	MapInfo Feature Code	Integer	Yes
<i>FeatureID</i>	Unique feature identifier within this country	Char (16)	No
<i>L_Struct</i>	Left House Number Structure <ul style="list-style-type: none">• 0: Not Applicable (default)• 1: No House Numbers at All• 2: Even• 3: Odd• 4: Mixed• 5: Irregular House Number Structure• 6: Alpha Numeric Mixed	Integer	No
<i>R_Struct</i>	Right House Number Structure <ul style="list-style-type: none">• 0: Not Applicable (default)• 1: No House Numbers at All• 2: Even• 3: Odd• 4: Mixed• 5: Irregular House Number Structure• 6: Alpha Numeric Mixed	Integer	No
<i>MI_Refnum</i>	Primary Key index linking street names with street segment	Integer	Yes

Street Name

malax2.*

The Street Name table is a dataset containing indexed street names. This table can only be displayed in a browser window because it does not have any graphic information.

Table Structure

Field	Description	Type (width)	Indexed
<i>St_Nm</i>	Street Name	Char (70)	Yes
<i>MI_Refnum</i>	Primary Key index linking street names with street segment	Integer	Yes








Linked Address**malax.***

The Linked Address file is a view and has no structure, it opens Address Ranges and Street Name tables and joins them on MI_Refnum to create a view.

Airports**malaap.***

The Airports table contains airports.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
10310000	Airport, undefined		Symbol(87,167,16,"MapInfo Transportation",256,0)
10310010	Check-in/check-out facility at airport, undefined		Symbol(34,167,7,"MapInfo Cartographic",256,0)
10310011	Check-in facility at airport, departures		Symbol(34,167,7,"MapInfo Cartographic",256,0)
10310012	Check-out facility at airport, arrivals		Symbol(34,167,7,"MapInfo Cartographic",256,0)
10310013	Check-in/check-out facility at airport, departures and arrivals		Symbol(34,167,7,"MapInfo Cartographic",256,0)
10310100	Airport, civil		Symbol(72,13697024,12,"MapInfo Real Estate",257,0)
10310200	Airport, military		Symbol(72,5263360,12,"MapInfo Real Estate",257,0)

Data Descriptions



miCode	Features	Graphic Object Details	
10310101	Airport, Public		Symbol (72,4474083,14, "MapInfo Real Estate",257,0)
10310102	Airport, Private authority		Symbol (72,0,14, "MapInfo Real Estate",257,0)

Table Structure







Field	Description	Type (width)	Indexed
<i>Name</i>	Name of airport	Character (100)	Yes
<i>Name_Lng</i>	Language of airport name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes



















Business Locations

malab.*

















The Business Locations table contains business locations, such as hotels, motels, restaurants, petrol stations, car dealers, car repair facilities, car rental offices, cash dispensers, companies, pharmacies, shops, factory outlets, wineries, and shopping centres.

















miCode and Display Characteristics

miCode	Features	Graphic Object Details	
10010000	Commercial building		Symbol(57,0,12, "MapInfo Real Estate",256,0)
10010100	Shop		Symbol(57,24672,12, "MapInfo Real Estate",256,0)
10010205	Drive-through bottleshop		Symbol(57,10506240,12, "MapInfo Real Estate",256,0)
10010400	Car dealer, undefined		Symbol(70,8388608,18, "MapInfo Transportation",256,0)
10010401	Car dealer, sales facility		Symbol(70,8388608,18, "MapInfo Transportation",256,0)
10010402	Car dealer, repair facility		Symbol(70,8388608,18, "MapInfo Transportation",256,0)

miCode	Features	Graphic Object Details	
10010403	Car dealer, sales and repair facility		Symbol(70,8388608,18,"MapInfo Transportation",256,0)
10010404	Car repair facility		Symbol(70,8388608,18,"MapInfo Transportation",256,0)
10010405	Car rental office		Symbol(73,167,18,"MapInfo Transportation",256,0)
10010500	Petrol station		Symbol(42,13697024,12,"MapInfo Transportation",256,0)
10011000	Shopping centre		Symbol(57,24672,12,"MapInfo Real Estate",256,0)
10020000	Restaurant		Symbol(54,11556864,10,"MapInfo Real Estate",256,0)
10020700	Café/Pub		Symbol(54,11556864,10,"MapInfo Real Estate",256,0)
10020800	Area of high concentration of restaurants		Symbol(54,11556864,10,"MapInfo Real Estate",256,0)
10030000	Company		Symbol(55,0,16,"MapInfo Real Estate",256,0)
10030310	Bank		Symbol (49,0,14,"MapInfo Real Estate",256,0)
10030311	Cash dispenser		Symbol(40,0,12,"MapInfo Cartographic",1,0)
10030600	Business facility		Symbol (34,0,18,"MapInfo Real Estate",256,0)
10060000	Industrial building		Symbol (37,0,16,"MapInfo Real Estate",256,0)
10070200	Hotel/motel*		Symbol(64,13697024,16,"MapInfo Real Estate",256,0)
10110601	Winery		Symbol(60,7340256,16,"MapInfo Real Estate",256,0)
10230030	Pharmacy		Symbol(70,40960,10,"MapInfo Cartographic",256,0)
10241100	Primary Resource, Utility		Symbol(113,12583008,14,"Webdings",256,1)
10110814	Public Call Box		Symbol(116,16711680,12,"MapInfo Transportation",256,1)

Data Descriptions

miCode	Features	Graphic Object Details	
10241200	Transport Authority, Vehicle Registration		Symbol(170,32896,14,"Webdings",256,1)
10070602	Cottage Rental		Symbol(35,13697024,14,"MapInfo Real Estate",256,0)
10070604	Bungalow Rental		Symbol(35,13697024,14,"MapInfo Real Estate",256,0)
10130400	Flats/Apartment Complex		Symbol(35,8388608,12,"MapInfo Real Estate",0,0)
10210800	Research Facility		Symbol(40,32768,12,"MapInfo Real Estate",0,0)
10130102	Community Center		Symbol(40,32896,18,"MapInfo Real Estate",256,0)
10130280	Club & Association - Unspecified		Symbol(40,32896,18,"MapInfo Real Estate",256,0)
10110812	Passenger Transport Ticket Office		Symbol(50,16728064,12,"Marlett",256,1)
10111128	Native Reservation		Symbol(56,16728064,12)
10230800	Welfare Organization		Symbol(56,16728064,12)
10241300	Non Governmental Organization		Symbol(56,16728064,12)
10241400	Port, Warehouse Facility		Symbol(60,0,10,"MapInfo Real Estate",256,1)
10320000	Electric Vehicle Station		Symbol(60,12582912,18,"MapInfo Transportation",257,0)
10110810	Toilet		Symbol(60,8388608,12,"MapInfo Miscellaneous",256,0)
10230000	Health Care Service - Unspecified		Symbol(70,13697024,12,"MapInfo Cartographic",256,0)
10010406	Car Wash - Unspecified		Symbol(73,65535,18,"MapInfo Transportation",0,0)

miCode	Features	Graphic Object Details	
10070120	Flats, Apartment Complex		Symbol(77,0,18,"MapInfo Real Estate",256,0)
10070603	Villa Rental		Symbol(77,0,18,"MapInfo Real Estate",256,0)
10230600	Ambulance Unit		Symbol(81,0,18,"MapInfo Transportation",256,0)
10110816	Road Rescue		Symbol(81,14680064,14,"MapInfo Transportation",0,1)
10240700	Military Installation		Symbol(92,0,18,"MapInfo Transportation",257,0)
10110811	Public Amenity - Unspecified		Symbol(95,16711808,12,"Webdings",256,1)
10320301	Public Transport Stop - Unspecified		Symbol(111,0,18,"MapInfo Transportation",256,0)
10320302	Bus Stop		Symbol(111,0,18,"MapInfo Transportation",256,0)
10080000	Communications		Symbol(113,0,20,"MapInfo Transportation",256,0)
10070310	Accommodations - Ski Resort		Symbol(132,167,18,"MapInfo Miscellaneous",1,0)
10210200	Educational - Elementary/Middle/High School		Symbol(38,13697024,12,"MapInfo Real Estate",1,0)
10240610	Federal Penitentiary / State Prison		Symbol(76,0,16,"MapInfo Real Estate",256,0)
10230010	Health care facility with Ambulance & Emergency Services		Symbol(81,13697024,16,"MapInfo Transportation",256,0)
10010201	Supermarkets & Hypermarkets		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010213	Market-Public		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010103	Warehouse Club Stores		Symbol(57,24672,14,"MapInfo Real Estate",256,0)

Data Descriptions

miCode	Features	Graphic Object Details	
10010200	Food stores		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010102	Variety Stores		Symbol(57,24672,14,"MapInfo Real Estate",256,0)
10010340	Hats / coats		Symbol(56,8388608,18,"MapInfo Real Estate",256,0)
10010202	Food stores, Supermarket		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010214	Market-Farmers		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010100	General Merchandise Stores/Shops		Symbol(57,24672,12,"MapInfo Real Estate",256,0)
10010101	Department Stores		Symbol(57,24672,14,"MapInfo Real Estate",256,0)
10010310	Apparel and Accessory		Symbol(56,8388608,18,"MapInfo Real Estate",256,0)
10010211	Market - Unspecified		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010203	Food stores - Fish / Seafood market		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010212	Informal Market		Symbol(57,10506240,14,"MapInfo Real Estate",256,0)
10010600	Furniture & Fittings		Symbol (56,8388608,18,"MapInfo Real Estate",256,0)
10010700	Drug stores		Symbol (56,8388608,18,"MapInfo Real Estate",256,0)
10010800	Building Materials and Garden Supplies		Symbol (56,8388608,18,"MapInfo Real Estate",256,0)
10020101	Restaurants - American		Symbol (54,167,12,"MapInfo Real Estate",256,0)
10020102	Restaurants - Chinese		Symbol (54,15774720,12,"MapInfo Real Estate",256,0)














miCode	Features	Graphic Object Details	
10070140	Bed & Breakfast		Symbol (35,13697024,14,"MapInfo Real Estate",256,0)
10020103	Restaurants - Italian		Symbol (54,32832,12,"MapInfo Real Estate",256,0)
10020107	Restaurants - Indian		Symbol (54,9493503,12,"MapInfo Real Estate",256,0)
10020106	Restaurants - Japanese		Symbol (54,16711680,12,"MapInfo Real Estate",256,0)
10020500	Restaurants - Pizza		Symbol (53,13697024,14,"MapInfo Real Estate",256,0)
10050000	Agriculture Business		Symbol (60,8413184,18,"MapInfo Real Estate",256,0)
10020105	Restaurants - French		Symbol (54,16576,12,"MapInfo Real Estate",256,0)
10020104	Restaurants - German		Symbol (54,0,12,"MapInfo Real Estate",256,0)
10020110	Restaurants - Middle East		Symbol (54,11556864,12,"MapInfo Real Estate",256,0)
10030201	Laundromat / Laundry		Symbol (55,0,18,"MapInfo Real Estate",256,0)
10020112	Restaurants - Mexican		Symbol (54,40960,12,"MapInfo Real Estate",256,0)
10070000	Accommodations - Unclassified		Symbol(64,0,14,"MapInfo Real Estate",256,0)
10020111	Restaurants - Greek		Symbol (54,128,12,"MapInfo Real Estate",256,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of business location	Character (100)	Yes
<i>Name_Lng</i>	Language of business location name or "UND" for undefined	Character (3)	No

Data Descriptions

Field	Description	Type (width)	Indexed
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Cross Roads

malacr.*

The crossroad layer contains street intersection point objects.

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
-	Cross Road Points		Symbol (33, 16776960, 4)

Table Structure

Field	Description	Type (width)	Indexed
<i>ID</i>	ID of features	Character (16)	No
<i>Street1</i>	Street name of 1st logical street that makes up intersection	Character (150)	No
<i>Street2</i>	Street name of 2nd logical street that makes up intersection	Character (150)	No
<i>Street3</i>	Street name of 3rd logical street that makes up intersection	Character (150)	No
<i>Street4 (optional)</i>	Street name of 4th logical street that makes up intersection	Character (150)	No
<i>Street5 (optional)</i>	Street name of 5th logical street that makes up intersection	Character (150)	No

Ferry Routes

malaf.*

The Ferry Routes table contains ferry connections classified by mode of operation.

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
70010100	Ferry, operated by ship/hovercraft		Pen (1,9,4227327)
70020100	Ferry, operated by train		Pen (1,9,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of ferry route	Character (100)	Yes
<i>Name_Lng</i>	Language of ferry route name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Freeway Interchanges

malafi.*

The Freeway Interchanges table contains interchanges on all road classes.

miCode and Display Characteristics





miCode	Features	Graphic Object Details	
10340100	Motorway exit/access		Symbol(59,16750640,8)
10340200	Motorway interchange		Symbol(59,16711680,8)
10340300	Freeway interchange, other		Symbol(59,8421504,8)
10340500	Toll gate		Symbol(34,0,7, "MapInfo Symbols",256,0)

Table Structure

Data Descriptions

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of freeway interchange	Character (100)	Yes
<i>Name_Lng</i>	Language of freeway interchange name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Frontier Crossings

malaf1.*

The Frontier Crossings table contains points at which international borders may be crossed.

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
10240104	Frontier crossing		Symbol(61,13697024,9,"MapInfo Transportation",256,0)

Table Structure


Field	Description	Type (width)	Indexed
<i>Name</i>	Name of Frontier crossings	Character (100)	Yes
<i>Name_Lng</i>	Language of frontier crossings name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Gazetteer Layers


malag1.* – malag6.*

The gazetteer layers contain points for country capitals through to small settlements.


Gazetteer Level 1**malag1.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
80010200	National capital		Symbol(61,13697024,10,"MapInfo Cartographic",256,0)


Gazetteer Level 2**malag2.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
80020101	Major City		Symbol (47,0,10,"MapInfo Cartographic",256,0)


Gazetteer Level 3**malag3.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
80020102	City or major town		Symbol (46,0,8,"MapInfo Cartographic",256,0)

Gazetteer Level 4**malag4.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
80020103	Town		Symbol (34,16777215,8)

Gazetteer Level 5**malag5.*****miCode and Display Characteristics**

miCode	Features	Graphic Object Details	
80020104	Small Town		Symbol (34,16777215,6)

Gazetteer Level 6**malag6.*****miCode and Display Characteristics**

Data Descriptions

miCode	Features	Graphic Object Details	
80020105	Other Settlement	•	Symbol (41,8421504,5,"MapInfo Cartographic",256,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of settlement	Character (100)	Yes
<i>Name_Lng</i>	Language of settlement name or "UND" for undefined	Character (3)	No
<i>Alt_Name</i>	Alternative name of settlement	Character (150)	No
<i>Alt_Nm_Lng</i>	Language of alternative name of settlement or "UND" for undefined	Character (3)	No
<i>Category</i>	Population category code	Character (3)	Yes
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Land Cover

malalc.*

The Land Cover table contains region objects representing beaches, dunes, moorlands, heathlands, and woodlands.

Not available in this region

miCode and Display Characteristics




miCode	Features	Graphic Object Details	
60020100	Forest/Sanctuary		Brush(2,13364181,16777215) Pen(1,2,13364181)
60020300	Beach/dune		Brush(49,16760832,16777215) Pen(1,3,16764992)
60020400	Moor/heathland		Brush(16,12560301,16777215) Pen(1,3,12560301)

Table Structure







Field	Description	Type (width)	Indexed
<i>Description</i>	Land cover types	Character (70)	Yes
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (70)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Land Use

















malalu.*

















The Land Use table contains region objects representing city parks, national and regional parks, industrial areas, industrial harbour areas, cemetery ground, military territory, building grounds and building footprints.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
60010110	Regional park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010111	National park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010112	State or province park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010113	County park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010114	City park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010120	National/regional marine park		Brush(2,11592127,16777215) Pen(1,2, 11592127)
60010140	Lighthouse ground		Brush(2,16767650,16777215) Pen(1,1, 0)
60010150	Rest area ground		Brush(2,16767650,16777215) Pen(1,1, 0)
60010200	Industrial area		Brush(2,15132387,16777215) Pen(1,1, 0)
60010210	Company ground		Brush(2,16770513,16777215) Pen(1,1, 0)

Data Descriptions

miCode	Features	Graphic Object Details	
60010220	Industrial harbour area		Brush(2,15132387,16777215) Pen(1,1, 0)
60010230	Institutions		Brush(2,16770513,16777215) Pen(1,1, 0)
60010240	Water mill ground		Brush(2,16770513,16777215) Pen(1,1, 0)
60010250	Windmill ground		Brush(2,16770513,16777215) Pen(1,1, 0)
60010300	Recreational area ground		Brush(2,13696976,16777215) Pen(1,1, 0)
60010311	Amusement park ground		Brush(2,13696976,16777215) Pen(1,1, 0)
60010312	Zoo ground		Brush(2,13696976,16777215) Pen(1,1, 0)
60010313	Golf course ground		Brush(2,13429701,16777215) Pen(1,1, 0)
60010314	Stadium ground		Brush(2,16767650,16777215) Pen(1,1, 0)
60010321	Castle (not to visit) ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010322	Castle (to visit) ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010323	Place of interest ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010324	Sports hall ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010331	Arts centre ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010332	Theatre ground		Brush(2,16770033,16777215) Pen(1,1, 0)
60010333	Museum ground		Brush(2,16770033,16777215) Pen(1,1, 0)

miCode	Features	Graphic Object Details	
60010400	Cemetery Ground		Brush(2,15654399,16777215) Pen(1,1, 0)
60010511	University ground		Brush(2,16495801,16777215) Pen(1,1, 0)
60010512	Library ground		Brush(2,16495801,16777215) Pen(1,1, 0)
60010521	Church ground		Brush(2,15654399,16777215) Pen(1,1, 0)
60010522	Monastery ground		Brush(2,15654399,16777215) Pen(1,1, 0)
60010523	Abbey ground		Brush(2,15654399,16777215) Pen(1,1, 0)
60010601	Hospital ground		Brush(2,16748688,16777215) Pen(1,1, 0)
60010611	Prison ground		Brush(2,9474192,16777215) Pen(1,1, 0)
60010700	Government building ground		Brush(2,16767650,16777215) Pen(1,1, 0)
60010710	City hall ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010711	Courthouse ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010712	Fire station ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010713	Police office ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010714	State police office ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010715	Post office ground		Brush(2,16760960,16777215) Pen(1,1, 0)
60010720	Military Territory		Brush(2,15790320,16777215) Pen(1,1, 0)

Data Descriptions








miCode	Features	Graphic Object Details	
60010726	Fortress ground		Brush(2,16770033,16777215) Pen (1,1,0)
60010801	Shopping centre ground		Brush(2,16767650,16777215) Pen(1,1, 0)
60010802	Airport ground/ School Grounds		Brush(2,11579568,16777215) Pen(1,1, 0)
60010803	Runway ground		Brush(2,9474192,16777215) Pen(1,1, 0)
60010804	Railway station ground		Brush(2,10526880,16777215) Pen(1,1, 0)
60010900	Building footprint		Brush(2,12632256,16777215) Pen(1,1, 0)
60010920	Parking area ground		Brush(2,16767650,16777215) Pen(1,1, 0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of land use area	Character (100)	Yes
<i>Name_Lng</i>	Language of land use area name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes






Natural Features

malanf.*

The Natural Features table contains beaches, mountain passes, mountain peaks, forest area points and scenic and panoramic views.

miCode and Display Characteristics

Table Structure

miCode	Features	Graphic Object Details	
10110401	Scenic/panoramic view		Symbol (50,8388608,12,"MapInfo Miscellaneous",256,0)
10110402	Beach, represented by a point		Symbol (140,8388608,16,"MapInfo Miscellaneous",256,0)
10110403	Mountain peak		Symbol (95,8388608,12,"MapInfo Cartographic",256,0)
10110405	Mountain pass		Symbol (74,8388608,12,"MapInfo Cartographic",257,0)
10110406	Forest area, represented by a point		Symbol (64,32896,16,"MapInfo Miscellaneous",256,0)

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of natural feature	Character (100)	Yes
<i>Name_Lng</i>	Language of natural feature name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Oneways

malaow.*

The Oneway table contains arrows indicating the direction of travel on one-way streets. The table does not contain one-way arrows for roundabouts, slip roads, motorways or dual carriageways. These road classes are assumed to be one-way by default. This table is meant for display only and therefore may not contain a point for every one-way street.

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
20090800	Oneway		Symbol (48,7368816,14,"MapInfo Symbols",0,303.1)

Table Structure

Data Descriptions

Field	Description	Type (width)	Indexed
<i>Obj_rotation</i>	Rotation value of the point in degrees	Float	No
<i>miCode</i>	MapInfo Standard Feature Code	Integer	No

Parking

malap.*

The Parking table contains parking areas, parking garages, and rent-a-car parking areas.

miCode and Display Characteristics




miCode	Features	Graphic Object Details	
10330200	Open parking area		Symbol(44,13697024,12,"MapInfo Transportation",257,0)
10330300	Rent-a-car parking		Symbol(62,13697024,12,"MapInfo Transportation",257,0)
10330100	Parking garage		Symbol(43,13697024,12,"MapInfo Transportation",257,0)

Table Structure


















Field	Description	Type (width)	Indexed
<i>Name</i>	Name of parking area	Character (100)	Yes
<i>Name_Lng</i>	Language of parking area name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Public Locations


















malapu.*

The Public Locations table contains public buildings such as post offices, hospitals, colleges, universities, convention and exhibition centres, courthouses, doctors, embassies, libraries, places of worship, tourist attractions, and government buildings.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
10110100	Tourist attraction, undefined		Symbol(58,8388608,10,"MapInfo Cartographic",256,0)
10110200	Tourist attraction, building		Symbol(48,8388608,16,"MapInfo Real Estate",0,0)
10110300	Tourist attraction, monument		Symbol(117,8388608,12,"MapInfo Miscellaneous",256,0)
10110400	Tourist attraction, natural attraction		Symbol(95,40960,12,"MapInfo Cartographic",256,0)
10110700	Tourist information centre		Symbol(47,8388608,12,"MapInfo Transportation",256,0)
10110900	Tourist attraction, tower		Symbol (68,8388608,14,"MapInfo Real Estate",256,0)
10110800	Rest area		Symbol(68,8388608,12,"MapInfo Miscellaneous",257,0)
10130300	Convention centre		Symbol(51,32896,16,"MapInfo Real Estate",256,0)
10130301	Exhibition centre		Symbol(51,32896,16,"MapInfo Real Estate",256,0)
10210300	College/university		Symbol(39,13697024,16,"MapInfo Real Estate",256,0)
10210600	Library		Symbol(41,0,12,"MapInfo Miscellaneous",256,0)
10220000	Place of worship, undefined		Symbol(41,0,12,"MapInfo Real Estate",257,0)
10220100	Place of worship, church		Symbol(41,0,12,"MapInfo Real Estate",256,0)
10220200	Place of worship, mosque		Symbol(42,0,16,"MapInfo Real Estate",256,0)
10220300	Place of worship, synagogue		Symbol(43,0,16,"MapInfo Real Estate",256,0)
10220600	Place of worship, other		Symbol(66,0,12,"MapInfo Symbols",256,0)
10230100	Hospital/polyclinic		Symbol(70,14680064,12,"MapInfo Cartographic",256,0)

Data Descriptions

miCode	Features	Graphic Object Details	
10230300	Doctor		Symbol(70,128,10,"MapInfo Cartographic",256,0)
10230400	Dentist		Symbol(70,16777215,10,"MapInfo Cartographic",16,0)
10230700	Vet		Symbol(89,0,16,"MapInfo Miscellaneous",256,0)
10240100	Government office		Symbol(59,0,12,"MapInfo Real Estate",256,0)
10240102	Courthouse		Symbol(59,0,12,"MapInfo Real Estate",256,0)
10240103	Embassy		Symbol(59,13697024,12,"MapInfo Real Estate",256,0)
10240300	Police station		Symbol(61,255,12,"MapInfo Cartographic",0,0)
10090121	Fire station		Symbol (78,16711680,18,"MapInfo Transportation",0,0)
10240400	School		Symbol (38,255,12,"MapInfo Real Estate",0,0)
10240500	Post office, undefined		Symbol(45,128,12,"MapInfo Miscellaneous",257,0)
10240501	Post office, main		Symbol(45,128,12,"MapInfo Miscellaneous",257,0)
10240502	Post office, minor		Symbol(45,8421504,12,"MapInfo Miscellaneous",257,0)
10240800	Cemetery		Symbol(67,5263440,10,"MapInfo Real Estate",257,0)
10210100	Kindergarten / Nursery / Pre School		Symbol (38,13697024,12,"MapInfo Real Estate",1,0)
10210400	Vocational / Trade		Symbol(38,13697024,14,"MapInfo Real Estate",256,0)
10210500	Special Schools		Symbol(38,13697024,14,"MapInfo Real Estate",256,0)
10210700	Child Care Center / Child Care Facility		Symbol(38,13697024,14,"MapInfo Real Estate",256,0)

miCode	Features	Graphic Object Details	
10230200	Healthcare Service Personal Care Facility	+	Symbol (70,128,12,"MapInfo Cartographic",256,0)
10230002	Personal Service	+	Symbol (70,128,12,"MapInfo Cartographic",256,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of public facility	Character (100)	Yes
<i>Name_Lng</i>	Language of public facility name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Railways

malar.*

The Railways table contains railway lines.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
40010100	Railway Line		Pen (1, 27, 8421504)

Table Structure

















Field	Description	Type (width)	Indexed
<i>Name</i>	Name of Railway	Character (200)	Yes
<i>Name_Lng</i>	Language of Name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No

Recreation Places

malare.*

The Recreation Places table includes sports stadiums, theatres, museums, amusement parks, cinemas, cultural centres, ice skating rinks, opera houses, swimming pools, yacht basins, zoos, and casinos.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
10110201	Museum		Symbol(50,8388608,12,"MapInfo Real Estate",256,0)
10110202	Arts Centre		Symbol(124,8388608,12,"MapInfo Miscellaneous",256,0)
10120000	Sports centre		Symbol(70,0,10,"MapInfo Real Estate",256,0)
10120100	Stadium		Symbol(70,0,10,"MapInfo Real Estate",256,0)
10120101	Tennis court		Symbol(93,13697024,16,"MapInfo Miscellaneous",257,0)
10120105	Ice skating rink		Symbol(70,255,10,"MapInfo Real Estate",256,0)
10120108	Golf course		Symbol(33,32768,18,"MapInfo Miscellaneous",256,0)
10120113	Car Race track		Symbol(70,8388608,10,"MapInfo Real Estate",256,0)
10120300	Water sports facility		Symbol(94,167,12,"MapInfo Cartographic",1,0)
10120310	Swimming pool		Symbol(100,167,16,"MapInfo Miscellaneous",256,0)
10120320	Yacht basin		Symbol(100,167,12,"MapInfo Transportation",256,0)
10130000	Entertainment Location		Symbol (116,24672, 12,"MapInfo Miscellaneous", 256, 0)
10130100	Cultural centre		Symbol(50,32896,12,"MapInfo Real Estate",256,0)
10130110	Theatre		Symbol(116,24672,12,"MapInfo Miscellaneous",256,0)
10130120	Opera		Symbol(116,24672,12,"MapInfo Miscellaneous",256,0)
10130130	Concert hall		Symbol(50,32896,12,"MapInfo Real Estate",256,0)













miCode	Features	Graphic Object Details	
10130140	Music centre		Symbol(50,32896,12,"MapInfo Real Estate",256,0)
10130150	Cinema		Symbol(102,32896,16,"MapInfo Miscellaneous",256,0)
10130200	Leisure centre		Symbol(40,32896,16,"MapInfo Real Estate",256,0)
10130210	Park and recreation area, represented by a point		Symbol(64,32896,16,"MapInfo Miscellaneous",256,0)
10130220	Zoo		Symbol(137,32896,12,"MapInfo Miscellaneous",256,0)
10130230	Amusement park		Symbol(133,24672,16,"MapInfo Miscellaneous",256,0)
10130240	Camping ground		Symbol(66,32896,16,"MapInfo Miscellaneous",256,0)
10130260	Nightlife		Symbol(65,32896,16,"MapInfo Real Estate",256,0)
10130270	Casino		Symbol(94,32896,16,"MapInfo Miscellaneous",256,0)
10130400	Residential Accommodation		Symbol (35,8388608,12,"MapInfo Real Estate",0,0)
10120103	Football / Soccer Ground		Symbol(97,0,18,"MapInfo Miscellaneous",256,0)
10120102	Cricket Ground		Symbol(96,16777215,18,"MapInfo Miscellaneous",16,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of recreational facility	Character (100)	Yes
<i>Name_Lng</i>	Language of recreational facility name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Stations

malast.*

The Stations table is a point file of bus stations, railway stations and ferry terminals.

miCode and Display Characteristics










miCode	Features	Graphic Object Details	
10320102	Ferry terminal, train		Symbol(109,167,16,"MapInfo Transportation",256,0)
10320203	Railway station, national		Symbol(110,0,18,"MapInfo Transportation",256,0)
10320201	Railway station, underground/metro		Symbol(64,16742656,10,"MapInfo Transportation",256,0)
10320202	Railway station, international		Symbol(110,6316128,18,"MapInfo Transportation",256,0)
10320200	Railway station, undefined		Symbol(110,6316128,18,"MapInfo Transportation",256,0)
10320204	Railway station, (sub) urban		Symbol(110,6316128,18,"MapInfo Transportation",256,0)
10320300	Bus station		Symbol(111,0,18,"MapInfo Transportation",256,0)
10320205	Railway station, light rail		Symbol(110,9437184,16,"MapInfo Transportation",256,0)
10320101	Ferry terminal, ship/hovercraft		Symbol(98,22015,14,"MapInfo Transportation",256,0)














Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of station or terminal	Character (100)	Yes
<i>Name_Lng</i>	Language of station or terminal name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

















Street Layers**malas1.* – malas6.***









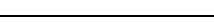
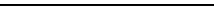





The street layers contain motorways, major, minor and local roads, paths and trails. Roads of major network importance are held in the Street 1 layer, with subsequent layers containing streets in decreasing order of importance.

miCode and Display Characteristics
















miCode	Features	Graphic Object Details	
20010100	Motorway, part of a motorway, non toll		Pen(40,130,13777980)
20010100	Motorway, part of a multi-carriageway not a motorway, non toll		Pen(40,130,13777980)
20010200	Motorway, single carriageway, non toll		Pen(40,130,13777980)
20010300	Motorway, part of a roundabout, non toll		Pen(40,130,13777980)
20010301	Motorway, special traffic figure, non toll		Pen(40,130,13777980)
20010400	Motorway, part of a slip road, non toll		Pen(30,130,13777980)
20010410	Motorway, part of a slip road, toll		Pen(30,130,13777980)
20020100	Major road, part of a multi-carriageway not a motorway, non toll		Pen(40,130,7116418)
20020110	Major road, part of a multi-carriageway not a motorway, toll		Pen(40,130,7116418)
20020200	Major road, single carriageway, non toll		Pen(40,130,7116418)
20020210	Major road, single carriageway, toll		Pen(40,130,7116418)
20020300	Major road, part of a roundabout, non toll		Pen(40,130,7116418)
20020301	Major road, special traffic figure, non toll		Pen(40,130,7116418)
















Data Descriptions

miCode	Features	Graphic Object Details	
20020310	Major road, part of a roundabout, toll		Pen(40,130,7116418)
20020400	Major road, part of a slip road, non toll		Pen(30,130,7116418)
20020410	Major road, part of a slip road, toll		Pen(30,130,7116418)
20020500	Major road, part of a service road, non toll		Pen(30,130,7116418)
20020700	Major road, part of a pedestrian zone, non toll		Pen (1, 4, 14401683)
20030100	Other major road, part of a multi-carriageway not a motorway, non toll		Pen(40,130,7116418)
20030110	Other major road, part of a multi-carriageway not a motorway, toll		Pen(40,130,7116418)
20030200	Other major road, single carriageway, non toll		Pen(40,130,7116418)
20030210	Other major road, single carriageway, toll		Pen(40,130,7116418)
20030300	Other major road, part of a roundabout, non toll		Pen(40,130,7116418)
20030301	Other major road, special traffic figure, non toll		Pen(40,130,7116418)
20030310	Other major road, part of a roundabout, toll		Pen(40,130,7116418)
20030400	Other major road, part of a slip road, non toll		Pen(30,130,7116418)
20030401	Other major road, part of an enclosed traffic area, non toll		Pen(30,130,7116418)
20030410	Other major road, part of a slip road, toll		Pen(30,130,7116418)
20030500	Other major road, part of a service road, non toll		Pen(30,130,7116418)

miCode	Features	Graphic Object Details	
20030700	Other major road, part of a pedestrian zone, non toll		Pen (1, 4, 14401683)
20040100	Secondary road, part of a multi-carriageway not a motorway, non toll		Pen(30,2,8762781)
20040110	Secondary road, part of a multi-carriageway not a motorway, toll		Pen(30,2,8762781)
20040200	Secondary road, single carriageway, non toll		Pen(30,2,8762781)
20040210	Secondary road, single carriageway, toll		Pen(30,2,8762781)
20040300	Secondary road, part of a roundabout, non toll		Pen(30,2,8762781)
20040301	Secondary road, special traffic figure, non toll		Pen(30,2,8762781)
20040311	Secondary road, special traffic figure, toll		Pen(30,2,8762781)
20040400	Secondary road, part of a slip road, non toll		Pen(30,2,8762781)
20040401	Secondary road, part of an enclosed traffic area, non toll		Pen(30,2,8762781)
20040410	Secondary road, part of a slip road, toll		Pen(30,2,8762781)
20040500	Secondary road, part of a service road, non toll		Pen(30,2,8762781)
20040600	Secondary road, entrance to or exit from a car park, non toll		Pen(30,2,8762781)
20040610	Secondary road, entrance to or exit from a car park, toll		Pen(30,2,8762781)
20040700	Secondary road, part of a pedestrian zone, non toll		Pen (1, 4, 14401683)

Data Descriptions

miCode	Features	Graphic Object Details	
20050100	Local/connecting road, part of a multi-carriageway not a motorway, non toll		Pen(30,130,14401683)
20050110	Local/connecting road, part of a multi-carriageway not a motorway, toll		Pen(30,130,14401683)
20050200	Local/connecting road, single carriageway, non toll		Pen(30,130,14401683)
20050210	Local/connecting road, single carriageway, toll		Pen(30,130,14401683)
20050300	Local/connecting road, part of a roundabout, non toll		Pen(30,130,14401683)
20050301	Local/connecting road, special traffic figure, non toll		Pen(30,130,14401683)
20050310	Local/connecting road, part of a roundabout, toll		Pen(30,130,14401683)
20050400	Local/connecting road, part of a slip road, non toll		Pen(30,130,14401683)
20050401	Local/connecting road, part of an enclosed traffic area, non toll		Pen(30,130,14401683)
20050410	Local/connecting road, part of a slip road, toll		Pen(30,130,14401683)
20050500	Local/connecting road, part of a service road, non toll		Pen(30,130,14401683)
20050510	Local/connecting road, part of a service road, toll		Pen(30,130,14401683)
20050600	Local/connecting road, entrance to or exit from a car park, non toll		Pen(30,130,14401683)
20050700	Local/connecting road, part of a pedestrian zone, non toll		Pen(1,4,14401683)
20060100	Local road/high importance, part of a multi-carriageway not a motorway, non toll		Pen(1,2,14401683)

miCode	Features	Graphic Object Details	
20060110	Local road/high importance, part of a multi-carriageway not a motorway, toll		Pen(1,2,14401683)
20060200	Local road/high importance, single carriageway, non toll		Pen(1,2,14401683)
20060210	Local road/high importance, single carriageway, toll		Pen(1,2,14401683)
20060300	Local road/high importance, part of a roundabout, non toll		Pen(1,2,14401683)
20060301	Local road/high importance, special traffic figure, non toll		Pen(1,2,14401683)
20060400	Local road/high importance, part of a slip road, non toll		Pen(1,2,14401683)
20060401	Local road/high importance, part of an enclosed traffic area, non toll		Pen(1,2,14401683)
20060410	Local road/high importance, part of a slip road, toll		Pen(1,2,14401683)
20060500	Local road/high importance, part of a service road, non toll		Pen(1,2,14401683)
20060600	Local road/high importance, entrance to or exit from a car park, non toll		Pen(1,2,14401683)
20060700	Local road/high importance, part of a pedestrian zone, non toll		Pen(1,4,14401683)
20070100	Local road, part of a multi-carriageway not a motorway, non toll		Pen(1,2,14401683)
20070110	Local road, part of a multi-carriageway not a motorway, toll		Pen(1,2,14401683)
20070200	Local road, single carriageway, non toll		Pen(1,2,14401683)
20070210	Local road, single carriageway, toll		Pen(1,2,14401683)

Data Descriptions












miCode	Features	Graphic Object Details	
20070300	Local road, part of a roundabout, non toll		Pen(1,2,14401683)
20070301	Local road, special traffic figure, non toll		Pen(1,2,14401683)
20070311	Local road, special traffic figure, toll		Pen(1,2,14401683)
20070400	Local road, part of a slip road, non toll		Pen(1,2,14401683)
20070401	Local road, part of an enclosed traffic area, non toll		Pen(1,2,14401683)
20070410	Local road, part of a slip road, toll		Pen(1,2,14401683)
20070500	Local road, part of a service road, non toll		Pen(1,2,14401683)
20070500	Local road, road for authorities, non toll		Pen(1,2,14401683)
20070510	Local road, part of a service road, toll		Pen(1,2,14401683)
20070600	Local road, entrance to or exit from a car park, non toll		Pen(1,2,14401683)
20070610	Local road/minor importance, entrance to or exit from a car park, toll		Pen(1,2,14401683)

Table Structure

‡ Label field for street layers 1–2; ‡‡Label field for street layers 2–6.

Field	Description	Type (width)	Indexed
<i>Road No</i> ‡	Road number	Character (15)	Yes
<i>Alt_Road_No</i>	Alternative road number	Character (50)	No
<i>E_Road_No</i>	European road number	Character (15)	No
<i>Road_Name</i> ‡‡	Road name	Character (100)	Yes
<i>Road_Nm_Lng</i>	Language of road name or "UND" for undefined	Character (3)	No
<i>Alt_Road_Nm</i>	Alternative road name	Character (100)	No
<i>Alt_Nm_Lng</i>	Language of alternative road name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No

Urban Areas

malau.*

The Urban Areas table contains region objects that represent built-up areas.

Not available in this region

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
50040200	Built-up area		Brush (2, 16378307, 16777215) Pen (1, 2, 16378307)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of urban area	Character (100)	Yes
<i>Name_Lng</i>	Language of urban area name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Water Feature Layers**malaw.* and malawm.*****Water****malaw.***

The Water Features table contains region objects and lines that represent water bodies such as lakes, rivers, and canals.

Water Major**malawm.***

The Water Features Major table is for small scale use. It contains water features based upon a scale of 1:2,500,000 and smaller.

miCode and Display Characteristics




miCode	Features	Graphic Object Details	
30030100	Water feature, lake		Brush(2,11130623,16777215) Pen(1,2,11130623)
30040100	Water feature, ocean or sea		Brush(2,11130623,16777215) Pen(1,2,11130623)
30050800	Water feature, undefined		Brush(2,11130623,16777215) Pen(1,2,11130623)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of water feature	Character (100)	Yes
<i>Name_Lng</i>	Language of water feature name or "UND" for undefined	Character (3)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Chapter 4: Opening a Workspace

In this chapter:

- ◆ Workspaces61
- ◆ Opening a StreetPro International Workspace using MapInfo Professional61

This chapter covers workspaces and the opening of a StreetPro international workspace using MapInfo Professional.

Workspaces

A workspace is a collection of layers that can be opened together in a mapping application. It constitutes a list of all the relevant tables, windows, and settings, stored in a file with the extension **.wor**. Workspaces offer a convenient means of returning to a previously created map without having to open each table file individually.

The selected workspace keeps track of the following elements:

- Map, Browser, Graph, 3DMap, and Layout windows, including their size and position
- Query tables created from base tables using either the Select or SQL Select statements
- Graphs
- Thematic maps
- Legend windows
- Cosmetic objects
- Labels
- Styles for fonts, symbols, lines, and fill patterns used to display objects

i **Caution:** When you save a workspace, you cannot save any references to selections or queries made by the Selection tools or Query options.

Note: You can use the **Workspace Packager** tool to create a copy of your current workspace in a new folder, and copy all the data referenced by the workspace in the same folder. Using this tool, the workspace looks to these internal references to find the data and .TAB file, so you can open this workspace no matter where you have moved or copied that folder, even if you move it to a different computer. Select this tool using **Tools > Tool Manager**, and then select **Tools > Workspace Packager > Package Current Workspace**.

International Workspace

The international workspace provides a common set of display settings for all StreetPro countries.

Local Workspace

Local workspaces have been designed to display maps in a cartographic style that is more particularly related to a group of countries or an individual country.

Opening a StreetPro International Workspace using MapInfo Professional

If you have not already done so, launch MapInfo Professional from the Windows Start menu. If the program was already running, select **File > Close All** to shut everything down and so avoid cluttering up your screen with unnecessary windows.

If the program was not already running, the **Quick Start** dialog box is displayed as soon as you start the program. This gives you the option of restoring the previous session or workspace, or opening a new workspace or table.

To open a workspace:

1. Either:
 - a. In the **Quick Start** dialog box, click **Open a Workspace** and then **Open**.
Or
 - b. From the MapInfo Professional **main menu**, select **File > Open** and then choose **Workspace (*.wor)** from the **Files of type** drop-down list.
2. Browse to the workspace you wish to open, and then click **Open**.
Note: Open the *_int_mipro125.wor file for the required country if you are using MapInfo Professional 12.5, or the *_int.wor file if you are using an earlier version of MapInfo Professional.
3. Once the workspace is displayed, as per the [International Workspace Example](#), then you can proceed as required.

When you exit MapInfo Professional, the last session is stored (unless you have set your preferences so that it will not be, using **Options > Preferences > Startup**). If there are files that you do not wish to be added to your workspace, close them before exiting.

Chapter 5: Language Settings and Special Characters

This chapter covers information about language setting and displaying special characters in StreetPro using MapInfo Professional.

In this chapter:

- ♦ [Displaying Special Characters in MapInfo Professional64](#)

Displaying Special Characters in MapInfo Professional

If you are using an edition of StreetPro for which the country character set is not Latin-1, you must change a number of system settings before special characters can be displayed correctly.

Language settings

In the Windows **Start** menu, open the **Control Panel** and then the **Regional and Language Options** dialog. Click the **Advanced** tab and change the language in the drop-down menu to that of the language for which you wish to view special characters (e.g. Russian for Cyrillic characters).

Note: The computer will need to be restarted before changes become visible. The settings must be set back to English once you are finished using the StreetPro tables, as other applications may be affected.

Font selection

The second change that may have to be made in order for the characters to be displayed correctly is to change the font within MapInfo Professional. As each browser is opened, change the font of the browser using either the **Text Style** button on the **Drawing** toolbar, or by clicking **Options > Text style...** to open the font change dialog. You can also use the shortcut key [F8] to open this dialog.

Country	Windows Char Set	Display Font
Hong Kong	WindowsTradChinese	Tahoma
Macau	WindowsTradChinese	Tahoma
Malaysia	WindowsLatin1	Tahoma
Philippines	WindowsLatin1	Tahoma
Taiwan	WindowsTradChinese	Tahoma
Thailand	WindowsThai	Tahoma
Viet Nam	WindowsLatin1	Tahoma
Singapore	WindowsLatin1	Tahoma

Tahoma is the recommended style, as it supports many special characters and associated diacritics.

The default label style can be changed by clicking **Options > Preferences...** then the **Styles...** button. The **Text** style can then be set to the appropriate font.

A

Appendix A: Understanding Metadata

What Is Metadata?

Metadata, in its simplest definition, is data about data. Metadata describes the content, source, history, structure and support that may exist for a data product or entity. Pitney Bowes Software metadata exists in two forms:

- Metadata for the complete product is included in the 'StreetPro_Malaysia_2016_09.xml' file in the Data\Metadata folder on the installation disk.
- Metadata as keyword and value pairs can be found within each MapInfo format table (.TAB file).

Our metadata is designed to be compliant with the 2003 ISO Geospatial metadata standard. As such, this enables the data products from Pitney Bowes Software to be available for data cataloguing within any system that uses ISO metadata standards.

Purpose of Metadata

The main purposes of metadata is to provide a mechanism for you to identify the data product unambiguously, list all legal restrictions, and provide copyright information and contact information. This is important information for knowing the currency of the data, and to ensure that the correct and/or most recent version is being used. It is also the information required for identifying the correct data product when contacting Technical Support.

Metadata Sections

The following metadata sections are included at both product and table level:

- **Metadata overview:** Including language, character set and metadata standards.
- Contact and distribution information.

Understanding Metadata

- **Data Description:** product name and version.
- **Extent:** north and south bounding latitudes, east and west bounding longitudes.
- **Resource Constraints:** The Pitney Bowes Software (PBS) mapping solutions that can be used with this product.
- **Abstract:** brief description of the product/table.
- **Data Lineage:** data source, provider and vintage.
- **Spatial Reference System:** projection, ellipsoid and datum.

Additional sections at product level:

- **Keywords:** layers in the product, plus country and national capital.
- Further Information.

Additional section at table level:

- **Object information:** number of points or regions.

Viewing Metadata

Product Level

An xslt stylesheet is provided to facilitate reading product level metadata.

Table Level

Open the .TAB file in Notepad:



```
malaA0.TAB - Notepad
File Edit Format View Help

!table
!version 650
!charset windowsLatin1

Definition Table
Type NATIVE Charset "windowsLatin1"
Fields 6
  Name Char (100) Index 1 ;
  Name_Lng Char (3) ;
  Off_Code Char (3) Index 2 ;
  miCode Integer ;
  SmartLabel Char (100) ;
  FeatureID Char (16) Index 3 ;
begin_metadata
"\IsReadOnly" = "FALSE"
"\MapInfo" = ""
"\MapInfo\TableID" = "23b66d94-d9ee-4a1e-904c-cb6a4c7d942c"
"\mdFileID" = "SPro_Metadata_2016_09.xml"
"\mdLang" = "English"
"\mdChar" = "utf8"
"\mdHrLv" = "dataset"
"\mdStanName" = "ISO 19115 and 19139"
"\mdStanVer" = "2003E"
"\mdContact" = ""
"\mdContact\RespParty" = ""
"\mdContact\RespParty\role" = "owner"
"\mdContact\RespParty\rpOrgName" = "Pitney Bowes Software"
```

Alternatively, if you have MapInfo Professional installed, you can use the Table Manager tool to view and edit your metadata.

B

Appendix B: Extras Folder

This section contains information about the additional tables included in the StreetPro product. The additional tables included are:

- Language Table (LNG.*)
- miCodemaster Table (miCodemaster.*)
- Malaysia Gazetteer Full Table (malaGF.*)
- Malaysia Postcodes Boundary Table (malaPC.*)
- Malaysia Postcodes Points Table (malaPCP.*)
- Malaysia Postcode Boundaries and District Index Table (malaPC_District_INDEX.*)

Language Table

(LNG.*)

The languages that are used in StreetPro with their abbreviations are included in the file LNG*.

Table Structure

Field	Description	Type (width)	Indexed
<i>Language</i>	Languages used in StreetPro	Character (25)	No
<i>Abbrev</i>	Language Abbreviation	Character (3)	No

miCodemaster Table

(miCodemaster.*)

StreetPro releases to date have incorporated feature type coding that is consistent but not necessarily related to a recognised standard. Pitney Bowes Software, with an objective to align to recognised standards and add more 'depth' and 'intelligence' to its coding has developed a coding system that is progressively being applied to its range of data products globally - the miCode schema.

This schema is a variation of the feature-coding schema in "Defence Mapping Agency (now NIMA) standard, Mapping, Charting & Geodesy Glossary of Feature and Attribute Definitions, MIL-STD-2408, April 1995". The schema has been modified to be an eight-digit/three-part schema with its own definitions for the use of values within each part. The eight-digit code is made up of a two-digit Category code, followed by a two-digit Sub-category code, and then a four-digit Sub-feature code.

For example: Category + Subcategory + Sub-feature

10+07+0200 (This miCode refers to POIs category with sub category of Business Locations and sub-features as Hotel/Motel)

A MapInfo format miCode lookup table is supplied with StreetPro.

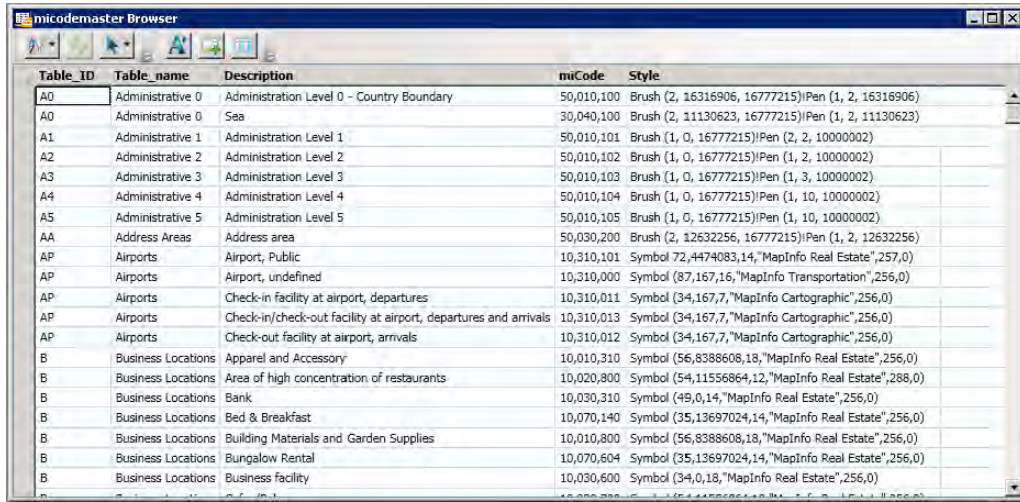


Table Structure



Field	Description	Type (width)	Indexed
<i>Table_ID</i>	Letter code assigned to layer	Character (6)	No
<i>Table_Name</i>	Layer category names	Character (25)	No
<i>Description</i>	Details of sub-features falling under category	Character (100)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>Style</i>	Display characteristics details	Character (60)	No

Gazetteer Full

malagf.*

For analysis purposes, the full gazetteer table (malagf.*), consolidating all the gazetteer layers, is included in the Extra folder.

miCode and Display Characteristics

miCode	Features	Graphic Object Details	
80010200	National capital		Symbol(61,13697024,10,"MapInfo Cartographic",256,0)
80020101	Major City		Symbol (47,0,10,"MapInfo Cartographic",256,0)

Extras Folder





miCode	Features	Graphic Object Details	
80020102	City or major town		Symbol (46,0,8, "MapInfo Cartographic",256,0)
80020103	Town		Symbol (34,16777215,8)
80020104	Small Town		Symbol (34,16777215,6)
80020105	Other Settlement		Symbol (41,8421504,5, "MapInfo Cartographic",256,0)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of settlement	Character (100)	No
<i>Name_Lng</i>	Language of settlement name or "UND" for undefined	Character (3)	No
<i>IndexName</i>	Name of settlement tagged with admin boundary	Character (150)	Yes
<i>Alt_Name</i>	Alternative name of settlement	Character (150)	No
<i>Alt_Nm_Lng</i>	Language of alternative name of settlement or "UND" for undefined	Character (3)	No
<i>Category</i>	Population category code	Character (3)	Yes
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>SmartLabel</i>	Same as Name with added carriage returns	Character (100)	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Postcode Boundary

malapc.*

The Postcodes boundary layer comprises polygons representing the boundaries of unique postcode values in Malaysia. This layer is suitable for refining address searching and geocoding processes when used in conjunction with the Malaysia centreline data..

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
50030100	Postcode		Brush (1, 0, 16777215)? Pen (1, 2, 65535)

Table Structure

Field	Description	Type (width)	Indexed
<i>Postcode</i>	Postcode values	Character (5)	Yes
<i>Locality_Name</i>	Name of postal area	Character (80)	Yes
<i>miCode</i>	MapInfo global feature code	Integer	Yes
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Postcode Points

malapcp.*

The Postcodes Point layer contains the locations of local post offices in Malaysia.

miCode and Display Characteristics


miCode	Features	Graphic Object Details	
10240500	Post office		Symbol (34,128,10)

Table Structure

Field	Description	Type (width)	Indexed
<i>Name</i>	Name of post office	Character (200)	Yes
<i>Description</i>	Type of point Character	Character (60)	No
<i>miCode</i>	MapInfo global feature code	Integer	No
<i>FeatureID</i>	Unique feature identifier within this country	Character (16)	Yes

Postcode Index Table

malaPC_INDEX.*

The Postcode points in future releases will be populated with postcode values and tagged with the administration boundary they fall within. These values will be used to create the malaPC_INDEX.* table, an index of unique values.

Not yet available in this region.

Table Structure

Field	Description	Type (width)	Indexed
<i>POSTCODE</i>	Postcode value	Character (6)	Yes
<i>INDEX</i>	Administration area in which the post office lies	Character (100)	Yes

C

Appendix C: Data Support and Feedback

Pitney Bowes Software continues to enhance the data support and feedback facilities available to our clients. An infrastructure has been developed to streamline the handling of customer feedback regarding data products and to ensure that appropriate responses are provided, with corrective action being taken where appropriate. For the various types of possible feedback, and their submission, refer to the form on the next page.

Feedback Process

The process is as follows:

1. Completion of Feedback Form by Client: The electronic form on the following page has a Send button that you can use to send the AsiaPac Data Production Team general comments concerning any of our data products.
You can also email comments (and associated screenshots) directly to the following email address: ozdata@mapinfo.com
2. Handling: All customers are sent confirmation of receipt of email feedback, and then subsequently notified of the type and timetable of the corrective action (where appropriate). Dependent on the type of feedback, the report may be actioned immediately or scheduled for routine maintenance action as part of the next scheduled release. The Feedback Database keeps track of progress on each item. Follow-up action and advice are provided wherever necessary.

Electronic Feedback Form

You can send us feedback on any of the data products supplied by Pitney Bowes Software, by completing the information below and clicking **Send** in the lower-right corner of the page. This generates an e-mail to which you can attach any screenshots that you feel would help illustrate your feedback.

Feedback can be in the form of correction advice, notification of changes, requests for enhancements/features, or requests for information. All feedback is valued by the Data Production Team and contributes to product improvements and enhanced value to users.

Your feedback will be emailed directly to the AsiaPac Data Production Team at ozdata@mapinfo.com, who will review and action it as soon as is practicable.

Contact Preferences

May we contact you if we have questions about your comments?

Yes No

Contact Information

Name:

Email:

Phone:

Best time to contact:

Data/Software Versions

Please complete the following information (as applicable):

Name of Data Product:

Version of Data Product:

Software used to load Data:

Version of Software used:

Your Comments

Enter your comments below. If you wish to report any problems, please feel free to do so but be as specific as possible, giving the relevant codes and tables. **Thank you in advance.**

If you reported any problems above, please indicate the severity of their impact by clicking the appropriate button:

Could not carry on working Inconvenient, but able to continue Cosmetic only, no real impact
 Not applicable

Send 