



StreetPro[®] Indonesia

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PRODUCT GUIDE

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Table of Contents

Chapter 1: StreetPro Indonesia Introduction	5
Hyperlinks	5
Feedback	5
The StreetPro Family - Compared	6
StreetPro	6
StreetPro Display	6
Chapter 2: Getting Started	7
Installing StreetPro	8
The StreetPro Workspace	8
Chapter 3: Layer Descriptions	9
Streets	10
Feature Codes and Display Characteristics	11
Table Structure	12
Highways and Main Roads	13
Feature Codes and Display Characteristics	13
Table Structure	14
Railways and Railway Stations	15
Feature Codes and Display Characteristics	15
Table Structure	15
Towns	16
Feature Codes and Display Characteristics	16
Table Structure	16
Features	17
Feature Codes and Display Characteristics by miCode	17
Table Structure	25
Airports	26
Feature Codes and Display Characteristics	26
Table Structure	26
Parks and Reserves	27
Feature Codes and Display Characteristics	27
Table Structure	27
Drainage	28
Feature Codes and Display Characteristics	28
Table Structure	28
Built-Up Area	29
Feature Codes and Display Characteristics	29
Table Structure	29
Ocean and Landmass	30
Feature Codes and Display Characteristics	30
Table Structure	30

Localities	31
Feature Codes and Display Characteristics	31
Table Structure	31
Land Use	32
Feature Codes	32
Table Structure	33
Propinsi	34
Feature Codes and Display Characteristics	34
Table Structure	34
Kabupaten	35
Feature Codes and Display Characteristics	35
Table Structure	35
Kecamatan	36
Feature Codes and Display Characteristics	36
Table Structure	36
Desa	37
Feature Codes and Display Characteristics	37
Table Structure	37
Postcodes	38
Feature Codes and Display Characteristics	38
Table Structure	38
Building Footprints	39
Feature Codes	39
Table Structure	39
Chapter 4: System Information	41
Metadata	42
StreetPro Unique Feature Identifiers	43
miCode Schema	43
StreetPro Projection / Datum	43
Appendix A: File Naming Conventions	45
Appendix B: Data Support and Feedback	47
Feedback Process	47

StreetPro Indonesia Introduction

Welcome to the StreetPro Indonesia Product Guide. This document is intended to assist you in gaining maximum benefit from the product, by describing installation procedures and providing a detailed insight into the datasets and associated files that make up the product.

StreetPro Indonesia offers comprehensive and current street centreline and boundary information suitable for a broad range of applications. It comprises an extensive array of layers, including a high quality street network and a wide variety of contextual layers such as parks, waterways, landmass and rail, to enhance analysis and map presentation. It can also include integrated building footprints identifying building structures throughout the territory, and the attribution of administrative boundaries, streets, landmarks and buildings.

In this chapter:

- ♦ [Hyperlinks](#)5
- ♦ [Feedback](#)5
- ♦ [The StreetPro Family - Compared](#)6

Hyperlinks

If you are viewing this guide using Adobe Acrobat, you can click on [blue](#) text (as in the examples immediately above) to jump to related information, for example other locations in the document or external websites.

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 B: Data Support and Feedback](#)) that will assist us in developing the best possible dataset for your business requirements.

The StreetPro Family - Compared

StreetPro

StreetPro Indonesia is the full-featured version of the product suite.

It includes detailed street information, accurate street topology for basic routing purposes, rich feature information, and administrative boundaries.

StreetPro Display

StreetPro Display is a reduced version of **StreetPro Indonesia**, designed for applications where performance (such as map rendering rate) is important. It is an ideal national map base for data generated by geocoding or routing applications, or for deployment through web-based applications.

The key differences between **StreetPro** and **StreetPro Display** are as follows:

- The Streets layer in the **Display** version has been optimised for improved on-screen performance, by merging records with the same name and/or road classification - thereby reducing redraw time and storage space.
- Feature information includes fewer feature types in the **Display** version (commercial and residential type features have been removed).
- Administrative boundaries (i.e. Desa and Kecamatan) and Postcodes are not included in the **Display** version.
- The Land Use layer is not included in the **Display** version.
- The Building Footprints layer is not included in the **Display** version.

Getting Started


This chapter provides you with instructions for installing the StreetPro data and explains how to open the supplied workspaces using MapInfo Professional.

In this chapter:

- ♦ [Installing StreetPro](#)8
- ♦ [The StreetPro Workspace](#)8

Installing StreetPro

Each StreetPro product is supplied in the form of compressed files and must be installed onto a hard drive before use.

 Customised versions of StreetPro are usually supplied as uncompressed files on the media and can either be opened directly from the media or copied to a hard drive for use.

CAUTION: If you intend using StreetPro data across a network, ensure that the appropriate License Agreements have been drawn up. For more information regarding these Agreements, contact your local Pitney Bowes Software office or Reseller.

CAUTION: Before installing or opening any product, ensure that you have read and understood all the associated License Agreements, and that there is enough storage space for the data.

To install a standard (as opposed to a customised) StreetPro product, insert the media into the disk drive. The setup program should start automatically and a series of prompts will guide you through the installation. Alternatively, use Windows Explorer or similar to run the *SETUP.EXE* program located on the media.

The StreetPro Workspace

A workspace enables you to store layer and window settings of a session within MapInfo Professional. These settings include map layer display parameters such as object style and zoom layering, layer order, object labelling, and map view.

The standard StreetPro product comes with at least one workspace (suffixed by the *.WOR* extension) that automatically opens all layers into a map window with optimised display settings.

To open a StreetPro workspace within **MapInfo Professional**:

1. Either click the **Open Workspace** button on the **Standard** toolbar, or select **Open** from the **File** menu.
2. Choose Workspace (*.WOR*) from **Files of Type**.
3. Locate the workspace that you wish to open.
4. Click **Open**.

Layer Descriptions

This chapter contains an overview of the various layers included with the different flavours of **StreetPro Indonesia**, including:

♦	Streets	10
♦	Highways and Main Roads	13
♦	Railways and Railway Stations	15
♦	Towns	16
♦	Features	17
♦	Airports	26
♦	Parks and Reserves	27
♦	Drainage	28
♦	Built-Up Area	29
♦	Ocean and Landmass	30
♦	Localities	31
♦	Land Use	32
♦	Propinsi	34
♦	Kabupaten	35
♦	Kecamatan	36
♦	Desa	37
♦	Postcodes	38
♦	Building Footprints	39

It includes a description of the structure of each layer and the symbology (or styles) used to represent different object types.



Additional information related to each of the **StreetPro Indonesia** layers is available in the *Metadata* statements that are included with the installation files. Metadata information describes the dataset in terms of key factors such as product content, currency and accuracy.

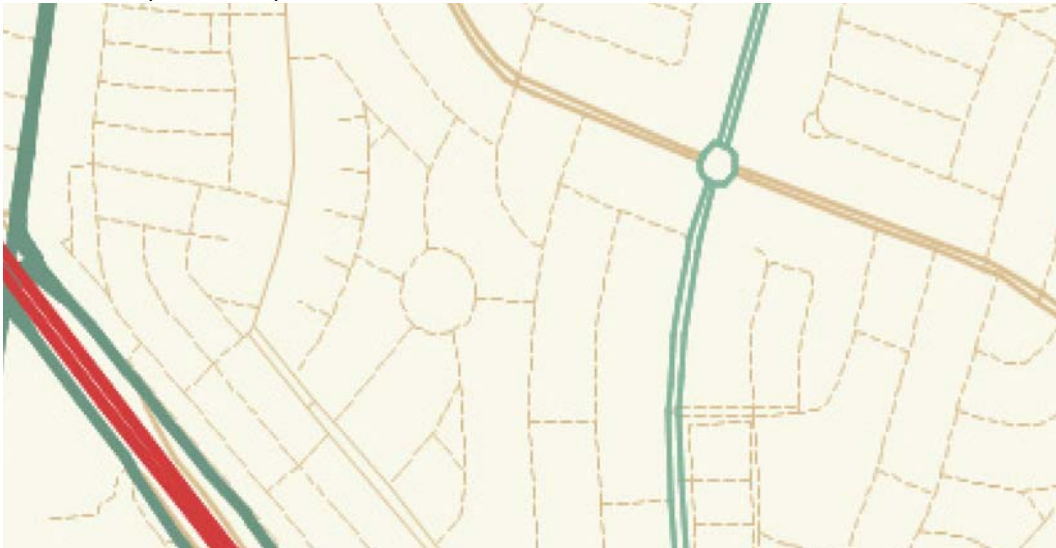
Streets

The **StreetPro Indonesia** Streets table (**ST.TAB*) comprises a comprehensive street centreline network over major cities and coverage of major roads in the balance of the country. Records are attributed with information including name, road classification code and unique feature identifier (*SP_UFI*). An alias name field provides alternative road names, and a 'label' field is included to facilitate cartographic representation of the data.












i Road name attribution uses a mixture of English and Indonesian.

Within the major metropolitan areas where detailed coverage is available, the road network is principally aligned to cadastre (land property boundaries) with an approximate scale of capture in the range 1:15,000-1:50,000. Elsewhere, the road network aligns with topographic data captured at a scale of 1:250,000.

This data is subject to an ongoing maintenance program to improve completeness, currency and consistency. Future releases will include detailed road network coverage in other metropolitan areas, and improved completeness of attribution.



Feature Codes and Display Characteristics

miCode	Type Code	Feature	Graphic Object Details	
20010000	301	Toll Roads / Expressways		Pen (40,130,13777980)
20011100	9301	Tunnels for Toll Roads / Expressways		Pen (1, 68, 13777980)
20020000	300	National Roads		Pen (40,130, 7116418)
20021100	9300	Tunnels for National Roads		Pen (1,68, 7116418)
20030000	302	Major Connector Roads		Pen (30, 130, 14401683)
20031100	9302	Tunnels for Minor Arterial Roads		Pen (1, 68, 8762781)
20050000	303	Minor Connector Roads		Pen (30, 130, 14401683)
20060000	304	Local Roads		Pen (1, 2, 14401683)
20080000	305	Local Unsealed Roads		Pen (1, 5, 16744448)
20090300	400	Malls / Pathways / Pedestrian		Pen (1, 3, 14401683)
20090500	1300 - 1305	Roundabout construction lines	Invisible Line	Pen (1, 1, 0)
20090700	5300 - 5305	Proposed Roads / Roads under Construction		Pen (1, 9, 12632256)



The values for **Type Code** 1xxx, 5xxx and 93xx are given for the sake of completion. However, some values may not exist in the data as yet.

Table Structure

Field	Description	Type(width)	Indexed?
STREET	Street name	Char(60)	Yes
ALIASNAME	Other known name of a street.	Char(60)	No
LABEL*	Street name formatted for cartographic representation	Char(60)	No
ROADTYPE	Road classification code	Small Integer	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI*	StreetPro Unique Feature Identifier	Integer	Yes







* Not available in **StreetPro Display Indonesia**.

Highways and Main Roads

The Highways and Main Roads layer (**MH.TAB*) is a subset of the **Streets** layer, and represents national roads, toll roads / expressways, and major connector roads (types 300, 301 and 302, respectively). It is designed for broad scale viewing of the major road network in Indonesia.



Feature Codes and Display Characteristics

miCode	Type Code	Feature	Graphic Object Details
20010000	301	Toll Roads / Expressways	 Pen (40, 130, 13777980)
20011100	9301	Tunnels for Toll Roads / Expressways	 Pen (1, 68, 13777980)
20020000	300	National Roads	 Pen (40, 130, 7116418)
20021100	9300	Tunnels for National Roads	 Pen (1, 68, 7116418)
20030000	302	Major Connector Roads	 Pen (30, 130, 14401638)
20031100	9302	Tunnels for Major Connector Roads	 Pen (1, 68, 8762781)



The values for **Type Code** 93xx are given for the sake of completion. However, some values may not exist in the data as yet.

Table Structure

Field	Description	Type(width)	Indexed?
STREET	Street name	Char(60)	Yes
ALIASNAME	Other known name of a street	Char(60)	No
LABEL*	Street name formatted for cartographic representation	Char(60)	No
ROADTYPE	Road classification code	Small Integer	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI*	StreetPro Unique Feature Identifier	Integer	Yes

* Not available in **StreetPro Display Indonesia**.

Railways and Railway Stations

The Railways and Railway Stations layers (**RL.TAB* and **RLS.TAB* respectively) comprise polyline objects representing rail lines, and point objects representing stations.



Feature Codes and Display Characteristics

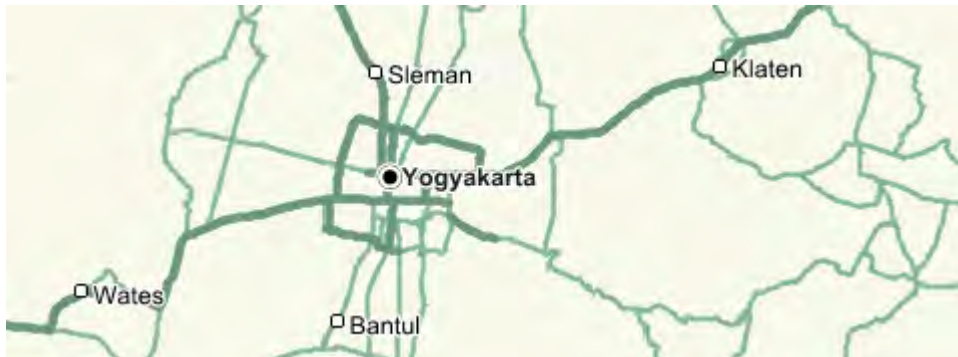
miCode	Feature	Graphic Object Details	
10320200	Railway Stations	•	Symbol (34,8421504,6)
40010100	Railway Lines	—+—+—+—+—+—	Pen (1,27,8421504)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of Railway Line / Railway Station	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Towns

The Towns layer (**TWN.TAB*) contains points nationally representing the locations of capital cities of Provinces (Propinsi), Districts (Kabupaten), Sub-districts (Kecamatan) and other smaller settlements. Each locality is attributed with a classification that is indicative of its relative status.



Feature Codes and Display Characteristics

miCode	Feature	Graphic Object Details
80010200	Capital City	● Symbol (46,0,16,"MapInfo Cartographic",256,0)
80010300	City	● Symbol (46,0,12,"MapInfo Cartographic",256,0)
80020102	Small City	□ Symbol (34,16777215,8)
80020103	County	□ Symbol (34,16777215,6)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Town	Char(50)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Features

The Features layer (**FT.TAB*) contains point records that represent cultural or man-made features over major city areas of Indonesia. Each record is named and assigned a type code and symbology that reflects the feature type.

CAUTION: This layer is subject to an ongoing maintenance process. Whilst efforts are made to optimise its quality, Pitney Bowes Software cannot guarantee the accuracy and completeness of this data.



A lookup table of all available features is supplied with StreetPro.

Feature Codes and Display Characteristics by miCode

i Items marked with an asterisk (*) are not available in **StreetPro Display Indonesia**.

miCodes	Description	miCodes	Description
10010000*	UNCLASSIFIED BUSINESS LOCATIONS	10010400	AUTO SALES AND SERVICE STATIONS
10010100*	GENERAL MERCHANDISE STORES	10010401	CAR SHOWROOM
10010101*	SHOPPING CENTRE - LARGE	10010402	AUTOMOTIVE REPAIR / PARTS
10010103	PORT/WAREHOUSE FACILITY	10010404	CAR REPAIR FACILITIES
10010200*	SHOPPING CENTRE - MEDIUM	10010405	MOTOR VEHICLE HIRING
10010201*	SUPERMARKET	10010406	CAR WASH
10010202	GENERAL / CONVENIENCE STORE	10010410	MOTORCYCLE SALES AND SERVICE
10010204	MARKET	10010500*	GAS STATION

Chapter 3: Layer Descriptions

miCodes	Description	miCodes	Description
10011000*	SHOPPING MALLS/ SHOPPING CENTERS	10060140	FRUIT AND VEGETABLE PROCESSING FACTORY
10020000*	RESTAURANT / FOOD CENTRE	10060160	TOBACCO PRODUCT MANUFACTURING
10020700	RESTAURANTS - DRINKING/ALCOHOLIC	10060200	BEVERAGE AND MALT FACTORY
10030000*	COMMERCE	10060300	TEXTILE PRODUCT FACTORY
10030200*	GENERAL OFFICE BUILDING	10060330	FOOTWEAR FACTORY
10030300	FINANCE COMPANY	10060400	WOOD PRODUCT FACTORY
10030310*	BANK	10060410	LOG SAWMILLING FACTORY
10030311	AUTOMATIC TELLER MACHINE - ATM	10060520	PAPER / STATIONERY FACTORY
10030320*	INSURANCE COMPANY	10060530	PRINTING FACTORY
10030400	TELECOMMUNICATION SERVICES MISC	10060700	CHEMICAL MANUFACTURING FACTORY
10030600	NON GOVERNMENTAL ORGANIZATION	10060710	MEDICINAL AND PHARMACEUTICAL FACTORY
10040000	MINE	10060740	FERTILIZER FACTORY
10040340	TIN MINE	10060760	PHARMACEUTICAL AND TOILETRY WHOLESALING
10050000	AGRICULTURE / AQUACULTURE	10060770	EXPLOSIVE / FIRE CRACKER FACTORY
10060000*	INDUSTRIAL ESTATE - MISC	10060810	PLASTIC FACTORY
10060100	FOOD / BEVERAGE / TOBACCO FACTORY	10060820	RUBBER FACTORY
10060110	MEAT PRODUCT MANUFACTURING	10060830	FURNITURE MANUFACTURING
10060120	FLOUR MILL / CEREAL FOOD FACTORY	10060850	GLASS FACTORY
10060130	SUGAR FACTORY	10060860	CEMENT / CONCRETE FACTORY
10060880	INDUSTRIAL GAS FACTORY	10060890	MANUFACTURING FACTORY - MISC

miCodes	Description	miCodes	Description
10060920	STEEL PIPE FACTORY	10080200	COMMUNICATION MISC
10061000	METAL SMELTING / REFINING FACTORY	10080210	TELEVISION TRANSMITTING TOWER / STATION
10061100	INDUSTRIAL MACHINERY FACTORY	10080220	RADIO TRANSMITTING STATION / TOWER
10061200	ELECTRONIC EQUIPMENT FACTORY	10080240	SATELLITE DISH
10061310	MOTOR VEHICLE FACTORY	10080250	RADAR FACILITY
10061400	TOY AND SPORTING GOODS FACTORY	10080270	PUBLIC PHONE
10061410	JEWELLERY AND SILVERWARE FACTORY	10090110	POWER STATION
10070100	HOUSING ESTATE	10090120	ELECTRIC SUBSTATION
10070110*	APARTMENT / RENTAL HOUSE	10090220	OIL TERMINAL / STORAGE
10070120	CONDOMINIUM	10090311	WATER TREATMENT PLANT
10070130	DORMITORY	10090312	WATER PUMPING STATION
10070140	GUESTHOUSE / INN	10090313	RESERVOIR / DAM / TANK
10070150	RELIGIOUS QUARTERS / HOUSING	10110100	TOURIST ATTRACTION
10070160	PUBLIC OFFICIALS ACCOMMODATION	10110200	HERITAGE PLACE
10070200*	HOTELS/MOTELS	10110201	MUSEUM
10070210*	HOTEL	10110202	ART GALLERY
10070220	GUESTHOUSE / RESTHOUSE	10110203	AQUARIUM
10070300*	RESORT	10110300	MONUMENT / HISTORIC SITE
10070400	CARAVAN PARK	10110301	MEMORIAL PLACE / SHRINE
10070410	SELF CATERING ACCOMMODATION	10110400	NATURE RESERVE
10080110	TELEVISION BROADCASTING STUDIO	10110401	SCENIC/PANORAMIC VIEW

Chapter 3: Layer Descriptions

miCodes	Description	miCodes	Description
10080120	RADIO BROADCASTING STUDIO	10110402	BEACH
10080140	TELEPHONE EXCHANGE	10110500	ROYAL PALACE
10110600	GEOGRAPHICAL FEATURES	10130110	THEATRE / PERFORMING ARTS
10110700	TOURISM / INFORMATION	10130120	OPERA
10110800	RECREATIONAL AREA	10130130	CONCERT HALL
10110810	PUBLIC TOILET	10130150	CINEMA
10120000	SPORT FACILITY / OUTDOOR	10130160	AUDITORIUM / LECTURE THEATRE
10120100	INDOOR SPORT FACILITY / STADIUM	10130200	CULTURE CENTRE / RECREATION TRAINING
10120101	TENNIS / SQUASH COURTS	10130210	PARK
10120102	CRICKET	10130211	PLAYGROUND
10120103	SOCCER / FOOTBALL	10130212	BOTANIC GARDEN / EXHIBITION
10120106	HOCKEY	10130220	ZOO
10120107	BASKETBALL / NETBALL	10130230	FUN PARK
10120108	GOLF COURSE / DRIVING RANGE	10130240	CAMPING GROUND
10120109	RACECOURSE	10130260	NIGHTCLUB / CABARET
10120110	RIFLE RANGE	10130300	CONVENTION CENTER
10120111	LAWN BOWLS	10130301	EXHIBITION HALL
10120112	SNOOKER / BILLIARDS / POOL CLUB	10210001	EDUCATION / TRAINING CENTRE
10120300	WATER SPORT	10210120	PRESCHOOL
10120310	SWIMMING CENTRE	10210230	SCHOOL - UNCLASSIFIED
10120340	BOAT RAMP	10210231	PRIMARY SCHOOL
10120500	GYMNASIUM / HEALTH CLUB	10210233	SECONDARY SCHOOL
10130000	ENTERTAINMENT FACILITY	10210300	UNIVERSITY

miCodes	Description	miCodes	Description
10130100	COMMUNITY CENTER	10240100	GOVERNMENT OFFICE / ADMINISTRATION
10210400	TECHNICAL / BUSINESS / TRADE COLLEGE	10240102	COURT
10210500	SPECIAL SCHOOL	10240103	EMBASSY / CONSULATE
10210600	LIBRARY	10240104	FRONTIER CROSSING
10210700	CHILD CARE CENTRE	10240300	POLICE STATION
10210800	RESEARCH FACILITY	10240400	FIRE STATION
10220000	PLACE OF WORSHIP - MISC	10240500*	POST OFFICE
10220100	PLACE OF WORSHIP - CHURCH	10240600	PRISON
10220200	PLACE OF WORSHIP - MOSQUE	10240700	DEFENCE
10220300	SYNAGOGUE	10240800	CEMETERY / CREMATORIUM
10220400	PLACE OF WORSHIP - TEMPLE	10240900	RUBBISH DUMP
10220500	PLACE OF WORSHIP - HINDU TEMPLE	10310000	AIRPORT
10220600	OTHER	10310300	HELIPAD
10230000	COMMUNITY HEALTH CENTRE	10320100	FERRY TERMINAL / WHARF
10230030	DRUGSTORE / PHARMACY	10320101	FERRY TERMINAL SHIP/HOVERCRAFT
10230100	HOSPITAL	10320300	BUS / COACH / TAXI PASSENGER TERMINAL
10230200	NURSING HOME	10320420	TRUCK DEPOT
10230300	OFFICE/CLINIC OF MEDICAL DOCTORS	10330000	CAR PARK
10230400	OFFICE/CLINIC OF DENTIST	10330100	PARKING GARAGE
10230500	HEALTH SERVICE - MISC	10330200	OPEN PARKING AREA
10230600	AMBULANCE STATION	10330300	RENT-A-CAR PARKING

Chapter 3: Layer Descriptions

miCodes	Description	miCodes	Description
10230700	VETERINARY HOSPITAL	10340500	TOLL GATE
10230800	WELFARE ORGANIZATION		

 GENERAL MERCHANDISE STORES	 AGRICULTURE / AQUACULTURE	 GLASS FACTORY
 SHOPPING CENTRE - LARGE	 INDUSTRIAL ESTATE - MISC	 CEMENT / CONCRETE FACTORY
 PORT / WAREHOUSE FACILITY	 FOOD / BEVERAGE / TOBACCO FACTORY	 INDUSTRIAL GAS FACTORY
 SHOPPING CENTRE - MEDIUM	 MEAT PRODUCT MANUFACTURING	 STEEL PIPE FACTORY
 SUPERMARKET	 FLOUR MILL / CEREAL FOOD FACTORY	 METAL SMELTING / REFINING FACTORY
 GENERAL / CONVENIENCE STORE	 SUGAR FACTORY	 INDUSTRIAL MACHINERY FACTORY
 MARKET	 FRUIT AND VEGETABLE PROCESSING FACTORY	 ELECTRONIC EQUIPMENT FACTORY
 CAR SHOWROOM	 TOBACCO PRODUCT MANUFACTURING	 MOTOR VEHICLE FACTORY
 AUTOMOTIVE REPAIR / PARTS	 BEVERAGE AND MALT FACTORY	 TOY AND SPORTING GOODS FACTORY
 MOTOR VEHICLE HIRING	 TEXTILE PRODUCT FACTORY	 JEWELLERY AND SILVERWARE FACTORY
 MOTORCYCLE SALES AND SERVICE	 FOOTWEAR FACTORY	 HOUSING ESTATE
 GAS STATION	 WOOD PRODUCT FACTORY	 APARTMENT / RENTAL HOUSE
 RESTAURANT / FOOD CENTRE	 LOG SAWMILLING FACTORY	 CONDOMINIUM
 COMMERCE	 PAPER / STATIONERY FACTORY	 DORMITORY
 GENERAL OFFICE BUILDING	 PRINTING FACTORY	 GUESTHOUSE / INN
 FINANCE COMPANY	 CHEMICAL MANUFACTURING FACTORY	 RELIGIOUS QUARTERS / HOUSING

 RADIO BROADCASTING STUDIO	 GEOGRAPHICAL FEATURES	 AUDITORIUM / LECTURE THEATRE
 TELEPHONE EXCHANGE	 TOURISM / INFORMATION	 CULTURE CENTRE / REC TRAINING
 COMMUNICATION MISC	 RECREATIONAL AREA	 PARK
 TELEVISION TRANSMITTING TOWER / STATION	 PUBLIC TOILET	 PLAYGROUND
 RADIO TRANSMITTING STATION / TOWER	 SPORT FACILITY / OUTDOOR	 BOTANIC GARDEN / EXHIBITION
 SATELLITE DISH	 INDOOR SPORT FACILITY / STADIUM	 ZOO
 RADAR FACILITY	 TENNIS / SQUASH COURTS	 FUN PARK
 PUBLIC PHONE	 CRICKET	 CAMPING GROUND
 POWER STATION	 SOCCER / FOOTBALL	 NIGHTCLUB / CABARET
 ELECTRIC SUBSTATION	 HOCKEY	 EXHIBITION HALL
 OIL TERMINAL / STORAGE	 BASKETBALL / NETBALL	 EDUCATION / TRAINING CENTRE
 WATER TREATMENT PLANT	 GOLF COURSE / DRIVING RANGE	 PRESCHOOL
 WATER PUMPING STATION	 RACECOURSE	 SCHOOL - UNCLASSIFIED
 RESERVOIR / DAM / TANK	 RIFLE RANGE	 PRIMARY SCHOOL
 HERITAGE PLACE	 LAWN BOWLS	 SECONDARY SCHOOL
 MUSEUM	 SNOOKER / BILLIARDS / POOL CLUB	 UNIVERSITY

 PLACE OF WORSHIP - TEMPLE	 DEFENCE	 BANK
 PLACE OF WORSHIP - HINDU TEMPLE	 CEMETERY / CREMATORIUM	 AUTOMATIC TELLER MACHINE - ATM
 COMMUNITY HEALTH CENTRE	 RUBBISH DUMP	 INSURANCE COMPANY
 DRUGSTORE / PHARMACY	 AIRPORT	 TELECOMMUNICATION SERVICES MISC
 HOSPITAL	 HELIPAD	 MINE
 NURSING HOME	 FERRY TERMINAL / WHARF	 UNCLASSIFIED
 HEALTH SERVICE - MISC	 BUS / COACH / TAXI PASSENGER TERMINAL	 TIN MINE
 AMBULANCE STATION	 TRUCK DEPOT	 MEDICINAL AND PHARMACEUTICAL FACTORY
 VETERINARY HOSPITAL	 CAR PARK	 FERTILIZER FACTORY
 GOVERNMENT OFFICE / ADMINISTRATION	 TECHNICAL / BUSINESS / TRADE COLLEGE	 PHARMACEUTICAL AND TOILETRY WHOLESALING
 COURT	 SPECIAL SCHOOL	 EXPLOSIVE / FIRE CRACKER FACTORY
 EMBASSY / CONSULATE	 LIBRARY	 PLASTIC FACTORY
 POLICE STATION	 CHILD CARE CENTRE	 RUBBER FACTORY
 FIRE STATION	 PLACE OF WORSHIP - MISC	 FURNITURE MANUFACTURING
 POST OFFICE	 PLACE OF WORSHIP - CHURCH	 SWIMMING CENTRE
 PRISON	 PLACE OF WORSHIP - MOSQUE	 BOAT RAMP

 PUBLIC OFFICIALS ACCOMMODATION	 TOURIST ATTRACTION	 OTHER
 HOTEL	 HOTELS/MOTELS	 OFFICE/CLINIC OF MEDICAL DOCTORS
 GUESTHOUSE / RESTHOUSE	 MANUFACTURING FACTORY - MISC	 OFFICE/CLINIC OF DENTIST
 RESORT	 RESTAURANTS - DRINKING/ALCOHOLIC	 FRONTIER CROSSING
 CARAVAN PARK	 SHOPPING MALLS/ SHOPPING CENTERS	 FERRY TERMINAL SHIP/HOVERCRAFT
 SELF CATERING ACCOMMODATION	 CAR REPAIR FACILITIES	 PARKING GARAGE
 TELEVISION BROADCASTING STUDIO	 AUTO SALES AND SERVICE STATIONS	 OPEN PARKING AREA
 ART GALLERY	 COMMUNITY CENTER	 RENT-A-CAR PARKING
 AQUARIUM	 THEATRE / PERFORMING ARTS	 TOLL GATE
 MONUMENT / HISTORIC SITE	 CINEMA	 NON GOVERNMENTAL ORGANIZATION
 MEMORIAL PLACE / SHRINE	 SCENIC/PANORAMIC VIEW	 WELFARE ORGANIZATION
 NATURE RESERVE	 WATER SPORT	 CAR WASH
 BEACH	 OPERA	 RESEARCH FACILITY
 ROYAL PALACE	 CONCERT HALL	
 GYMNASIUM / HEALTH CLUB	 CONVENTION CENTER	
 ENTERTAINMENT FACILITY	 SYNAGOGUE	

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the feature	Char(70)	Yes
DESCRIPTION	Description of feature type	Char(50)	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Airports

The Airports layer (*AIR.TAB) contains point objects representing Indonesia's major international and regional airports. Some major airports also have polygon map objects representing the runway areas.



Feature Codes and Display Characteristics

miCode	Feature	Graphic Object Details
10310101	Airports - Public	✈ Symbol (87,8421504,12,"MapInfo Transportation",0,0)
10310200	Airports - Military	
60010802	Airport grounds	Pen (1,1,0), Brush (2, 11579568, 16777215)
60010803	Runway grounds	■ Pen (1,1,0), Brush (2,7368816,16777215)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Airport	Char(50)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Parks and Reserves

The Parks layer (**PK.TAB*) contains region objects that represent recreational parks, national parks and reserves.



Feature Codes and Display Characteristics






miCode	Feature	Graphic Object Details
60010110	Parks / Grounds	 Brush (2, 11796288, 16777215) Pen (1, 2, 14745520)
60010111	National Forests	 Brush (2, 8245248, 16777215) Pen (1, 2, 14745520)
60010112	Parks / State / Municipal Park	 Brush (2,13893520,16777215) Pen (1,2,11796288)
60010312	Fauna Reserves	 Brush (2, 8245248, 16777215) Pen (1, 2, 14745520)
60010732	Parks / Reserves	 Brush (2, 11796288, 16777215) Pen (1, 2, 14745520)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Park or Reserve	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Drainage

The Drainage layer (**DR.TAB / *RV.TAB*) consists of polylines and polygons that represent major watercourses and water bodies such as lakes, within Indonesia.



Feature Codes and Display Characteristics

miCode	Feature	Graphic Object Details
30020110	River	Pen (1, 2, 8432639)
30030130	Lake	Brush (2, 8432639, 16777215)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the drainage feature	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Built-Up Area

The Built-up Area layer (**BUA.TAB*) represents an approximation of areas with relatively high infrastructure development in Indonesia.

i The layer is not intended to be used as an authoritative dataset - it has been designed to complement other StreetPro layers cartographically.



Feature Codes and Display Characteristics


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

Table Structure

Field	Description	Type	Indexed?
NAME	General name of Area	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Ocean and Landmass

The Ocean and Landmass layers (*OC.TAB and *LM.TAB respectively) are provided primarily for display purposes only. They visually complement other layers such as [Drainage](#) and [Streets](#).



Feature Codes and Display Characteristics

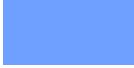

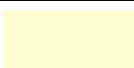
miCode	Feature	Graphic Object Details	
30040100	Ocean		Brush (2, 7381247, 16777215) Pen (1, 1, 255)
60030100	Mainland		Brush (2, 16777168, 16777215) Pen (1, 1, 6316287)
60030200	Island		Brush (2, 16777168, 16777215) Pen (1, 1, 6316287)

Table Structure

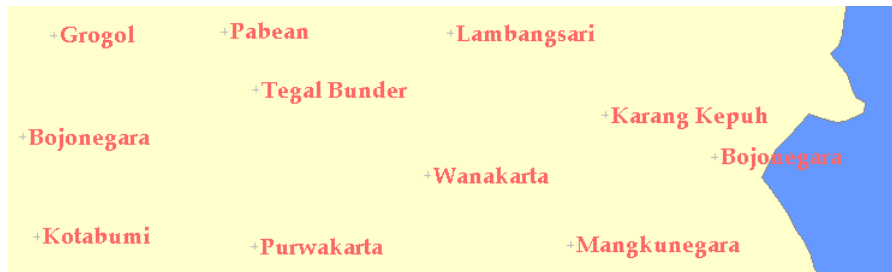
Field	Description	Type(width)	Indexed?
NAME	Name of feature	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Localities

The Localities layer (**LO.TAB*) has been developed to facilitate searches for various places such as towns, administration areas, mountains and national parks. Each locality is represented by a point object located in the general vicinity of the place in question. The localities are attributed with name and locality type, using Bahasa Indonesian terminology as well as the English equivalent.

If you are not sure what you are looking for, start with the Localities layer.

The dataset is intended to cater for users who are not familiar with the various locality types that exist in Indonesia. The *SEARCH_NAME* field removes many incidences of replication of locality names by having the locality name suffixed with the locality type, e.g. "ALOR (DESA)", "ALOR (KABUPATEN)".



Feature Codes and Display Characteristics

miCode	Type_English	Feature	Graphic Object Details
1000000	Village	Locality	+ Symbol (50,12632256,4)
	City / Town		
	Sub-District		
	District		
	Province		
	Harbour		
	Mountain		
	National Park		

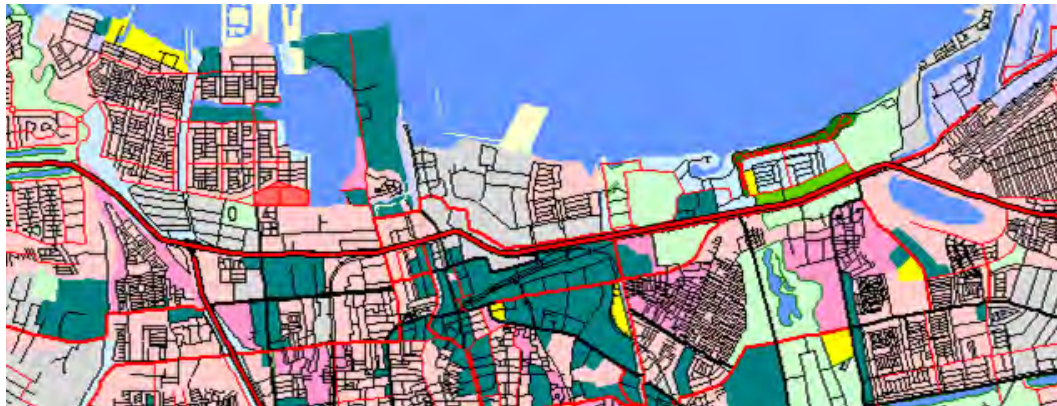
Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Locality	Char(50)	Yes
SEARCH_NAME	Locality Name search field (with Type suffix if required). Refer to the examples above .	Char(50)	Yes
TYPE_LOCAL	Locality Type in Bahasa Indonesian	Char(30)	No
TYPE_ENGLISH	English equivalent of TYPE_LOCAL	Char(30)	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Land Use

(Not available in StreetPro Display Indonesia)

The Land Use layer (**LU.TAB*) comprises polygons representing dominant land use over Greater Jakarta, Bandung, Surabaya, Ambon, Medan, Yogyakarta and Northern Sumatera. Land use boundaries are attributed with classifications and are assigned map styles based on these classifications. They provide a suitable base for applications such as land use planning and analysis.



Feature Codes

miCode	Feature
60010510	Educational Institution
60010601	Hospital
60010700	Government Service Facility
60010910	Business Area
60010950	Residential
60020100	Forest
70010100	Port / Terminal / Station
80030110	Farm

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the feature	Char(40)	Yes
DESCRIPTION	Description of feature type	Char(40)	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Propinsi

The Province (or *Propinsi* in Bahasa Indonesian) layer (**PRO.TAB*) comprises polygons that represent the highest level of administration boundary type in Indonesia.



Feature Codes and Display Characteristics


miCode	Feature	Graphic Object Details
50010101	Province Boundary	 Pen (3,2,8421504)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Province	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Kabupaten

Each province in Indonesia is divided into smaller administrative areas referred to as *Kabupaten* (district / regency), *Kota* (city) or *Kotamadya* (big city). Each has the same level of governmental hierarchy. For the sake of simplicity, however, all these boundary types will be referred to in StreetPro as *Districts* (or *Kabupaten*).

The District layer (**KAB.TAB*) comprises polygons and aligns with other boundaries belonging to the hierarchical series of Indonesian administration boundaries.



Feature Codes and Display Characteristics

miCode	Feature	Graphic Object Details
50010102	District Boundary	Pen (2,2,10526880)

Table Structure

Field	Description	Type	Indexed?
NAME	Name of the District	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Kecamatan

(Not available in StreetPro Display Indonesia)

Each district boundary is divided into sub-districts referred to as *Kecamatan*. This sub-district layer (*KEC.TAB) comprises polygons and aligns with other boundaries belonging to the hierarchical series of Indonesian administration boundaries.



Feature Codes and Display Characteristics

miCode	Feature	Graphic Object Details
50010103	Sub-district Boundary	————— Pen (1,2,10526880)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Sub-district	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Desa

(Not available in StreetPro Display Indonesia)

Each **Kecamatan** is divided into *Desa* or Village areas (also known as *Kelurahan*). The Village layer (**DES.TAB*) comprises polygons and aligns with other boundaries belonging to the hierarchical series of Indonesian administration boundaries.



Feature Codes and Display Characteristics


miCode	Feature	Graphic Object Details
50010104	Desa Boundary	 Pen (1,2,12632256)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the Village area	Char(40)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Postcodes

(Not available in StreetPro Display Indonesia)

The Postcodes layer (**PC.TAB*), represented by polygons, comprises an aggregation of **Desa** boundaries - each attributed with unique postcode values.



Feature Codes and Display Characteristics


miCode	Feature	Graphic Object Details
50030100	Postcode Boundary	 Pen (1,2,16756832)

Table Structure

Field	Description	Type(width)	Indexed?
POSTCODE	Postcode value	Char(8)	Yes
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

Building Footprints

(Not available in StreetPro Display Indonesia)

The Building Footprints layer (**BF.TAB*) contains polygons representing commercial, industrial and residential buildings in Singapore.



Feature Codes

miCode	Feature	Graphic Object Details	
60010900	Building Footprint		Brush (2,14737632,16777215) Pen (1,1,16754768)

Table Structure

Field	Description	Type(width)	Indexed?
NAME	Name of the feature	Char(70)	Yes
DESCRIPTION	Description of feature type	Char(50)	No
MICODE	MapInfo Feature Code	Integer	No
SP_UFI	StreetPro Unique Feature Identifier	Integer	Yes

System Information

Pitney Bowes Software's data products come with a range of supporting information and data structures to allow you to understand and manage the content effectively, including:

- ♦ **Metadata**42
- ♦ **StreetPro Unique Feature Identifiers**43
- ♦ **miCode Schema**43
- ♦ **StreetPro Projection / Datum**43

Metadata

Metadata conforming to ANZLIC standard is supplied in XML file format for the StreetPro product range. These files can easily be viewed in a Web browser such as Microsoft Internet Explorer. Alternatively, XML viewers are available from third party sources that readily display the hierarchical structure of the metadata information.



Dataset description contents:

- [Citation](#)
- [Description](#)
 - [Abstract](#)
 - [ANZLIC Search Words](#)
 - [Spatial Domain](#)
- [Dataset Status](#)
- [Data Quality](#)
- [Metadata Information](#)
- [Contact Information](#)

Citation

Unique Record ID: 36F3D8EB-9BF2-428A-A957-BEBBDD575E94

Title: StreetPro Indonesia - Roads

Custodian: Pitney Bowes Software Pty Ltd

Description

Abstract:

Dataset representing the detailed road network in Greater Jakarta, Bandung, Surabaya, Ambon, Medan, Yogyakarta, Semarang, Bali, Balikpapan and Northern Sumatera. Records are attributed with road names (where available) and road type and one-way attribute (where available). Outside of these areas, the major road network only is provided. The StreetPro Display version of this layer has had topology modified to reduce its volume and increase performance.

StreetPro Unique Feature Identifiers

Each record in the StreetPro tables has its own unique *StreetPro Unique Feature Identifier*, and this is stored in the *SP_UFI* field:

STREET	STREET_T	ALIASNAME	LABEL	ROADTYPE	ONEWAYIND	MICODE	SP_UFI
20 MITHUNA 2105 RD	ถ.20 มิตูนา 2105		20 Mithuna 2105 Rd	304	0	20,060,000	146,829
20 MITHUNA 2105 RD	ถ.20 มิตูนา 2105		20 Mithuna 2105 Rd	304	0	20,060,000	146,830
20 MITHUNA 2105 RD	ถ.20 มิตูนา 2105		20 Mithuna 2105 Rd	304	0	20,060,000	146,831
20 MITHUNA RD	ถ.20 มิตูนา		20 Mithuna Rd	304	0	20,060,000	146,832
20 MITHUNA YAEK 1 RD	ถ.20 มิตูนา แยก 1		20 Mithuna Yaek 1 Rd	304	0	20,060,000	146,833
20 MITHUNA YAEK 10 RD	ถ.20 มิตูนา แยก 10		20 Mithuna Yaek 10 Rd	304	0	20,060,000	146,834
20 MITHUNA YAEK 11 RD	ถ.20 มิตูนา แยก 11		20 Mithuna Yaek 11 Rd	304	0	20,060,000	146,835
20 MITHUNA YAEK 12 RD	ถ.20 มิตูนา แยก 12		20 Mithuna Yaek 12 Rd	304	0	20,060,000	146,836
20 MITHUNA YAEK 13 RD	ถ.20 มิตูนา แยก 13		20 Mithuna Yaek 13 Rd	304	0	20,060,000	146,837
20 MITHUNA YAEK 14 RD	ถ.20 มิตูนา แยก 14		20 Mithuna Yaek 14 Rd	304	0	20,060,000	146,838

miCode Schema

StreetPro releases to date have incorporated feature *Type* coding that is consistent with, 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 "Defense 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 + Sub-category + Sub-feature
 11 22 3333

i Pitney Bowes Software will facilitate the transition to miCode by retaining the old codes for the time being. These will eventually be phased out as miCode gains familiarity and acceptance. A MapInfo format miCode lookup table is supplied with StreetPro.

StreetPro Projection / Datum

StreetPro tables are provided in a longitude / latitude coordinate system projected to the World Geodetic System of 1984 (WGS 84). This is a commonly used geo-centric datum which allows the the projection to be used at a global level and facilitates, for example, compatibility with positions derived from Global Positioning Systems (GPS satellites).

A

Appendix A: File Naming Conventions

Because there are 20 layers in **StreetPro Indonesia** and 15 layers in **StreetPro Display Indonesia**, it is important to maintain a consistent approach to naming all tables.

The table below details the naming convention used for each table within the **StreetPro Indonesia** product range..

Feature	Example
Streets table	IDN_ST.TAB
Railways table	IDN_RL.TAB
Railway Stations table	IDN_RLS.TAB
Localities table	IDN_LO.TAB
Features table	IDN_FT.TAB
Parks table	IDN_PK.TAB
Drainage table	IDN_DR.TAB
Land Mass table	IDN_LM.TAB
Main Roads & Highways table	IDN_MH.TAB
Airports & Landing Grounds table	IDN_AIR.TAB
Ocean table	IDN_OC.TAB
Towns table	IDN_TWN.TAB
Built-up Area table	IDN_BUA.TAB
Land Use table*	IDN_LU.TAB
Provinces (Propinsi) table	IDN_PRO.TAB
Districts (Kabupaten) table	IDN_KAB.TAB
Sub-Districts (Kecamatan) table*	IDN_KEC.TAB
Villages (Desa) table*	IDN_DES.TAB
PostCodes*	IDN_PC.TAB
Building Footprints*	IDN_BLD.TAB

* Not Available in **StreetPro Display Indonesia**.

Appendix B: 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@pb.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@pb.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 