



Technical Division
Survey and Mapping Office, Lands Department
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iGeoCom Data Dictionary

GeoCommunity Database

Access (Version 2000)



Date of Release: September 2020
Version: 4.0

Endorsed By: Original Signed
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Date: 23 September 2020

What's new in iGeoCom 4.0

The structure of iGeoCom 4.0

Unique ID	Name of feature	Approximate geographical location	Class, Type of feature	Data source	Location	Contact information	Revision date
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The “Location” shown above is composed of the following information:

Floor	Site Name	Area	District	Region	Address
<ul style="list-style-type: none"> • Floor Level • [e.g. Ground Floor] 	<ul style="list-style-type: none"> • Site / Building Name • [e.g. Heng On Estate] 	<ul style="list-style-type: none"> • Area Name • [e.g. Ma On Shan] 	<ul style="list-style-type: none"> • District Name • [e.g. Sha Tin District] 	<ul style="list-style-type: none"> • Region Name • [e.g. NT] 	<ul style="list-style-type: none"> • Address# or approximate location • [e.g. Heng On Estate, Ma On Shan, NT]

“Address” refers to the owner’s official information

The fields E/C_BLDG, E/C_SETNAME, HOUSE_NO1/2, E/C_STREET1/2, E/C_SUPPLEMENT, E/C_REMARKS in iGeoCom 3.3 are deleted.

Amendment History

Version	Page	Amendments
4.0 (Sep 2020)		Cover page is added.
4.0 (Sep 2020)	i	What's new in iGeoCom 4.0 is added.
4.0 (Sep 2020)	ii	Amendment History is added.
4.0 (Sep 2020)	iv	Table of Content is added.
4.0 (Sep 2020)	1	Introduction is added.
4.0 (Sep 2020)	3	Change Feature: <ul style="list-style-type: none"> • Change field name from “E_UNIT” to “E_FLOOR”, and description from “Unit of Description of Address in English” to “Floor level of Feature in English”. • Change field name from “C_UNIT” to “C_FLOOR”, and description from “Unit of Description of Address in Chinese” to “Floor level of Feature in Chinese”. • Change field descriptions of “E_AREA”, “C_AREA”, “E_DISTRICT”, “C_DISTRICT”, “E_REGION” and “C_REGION” partially from “Address” to “Feature”. • Change field descriptions of “E_ADDRESS” and “C_ADDRESS” partially from “Address / Location” to “Address / Location of Feature”. • Change data type of “TEL_NO” from “Text(50)” to “Long text”. • Change data type of “FAX_NO” from “Text(50)” to “Long text”. • Change data type of “WEB_SITE” from “Text(100)” to “Long text”.
4.0 (Sep 2020)	3	Add Feature: <ul style="list-style-type: none"> • Add fields “E_SITENAME” and “C_SITENAME”, with descriptions as “Site Name of Feature in English” and “Site Name of Feature in Chinese” respectively.

Version	Page	Amendments
4.0 (Sep 2020)	3	<p>Remove Feature:</p> <ul style="list-style-type: none"> • Remove fields “GEOREFTYPE” and “GEOREFCODE”. • Remove fields “E_BLDG” and “C_BLDG”. • Remove fields “E_SETNAME” and “C_SETNAME”. • Remove fields “HOUSE_NO1” and “HOUSE_NO2”. • Remove fields “E_STREET1” and “C_STREET1”. • Remove fields “E_STREET2” and “C_STREET2”. • Remove fields “E_SUPPLEMENT” and “C_SUPPLEMENT”. • Remove fields “E_REMARKS” and “C_REMARKS”.
4.0 (Sep 2020)	5	<p>Change Feature:</p> <ul style="list-style-type: none"> • Change type description of “MIS” from “Miscellaneous Training” to “Riding School / Road Safety Centre”.
4.0 (Sep 2020)	13	<p>7 data source descriptions are changed in “Summary of Data Sources”.</p> <ul style="list-style-type: none"> • 1 - Facility records from map.gov.hk • 3 - Gazetted / Deposited Information • 5 - iB1000 Topographic Map from Lands Department • 9 - Cadastral Information from Lands Department • 22 - Information from A-K Government Departments • 24 - Information from L-Z Government Departments • 27 - Information from private sector
4.0 (Sep 2020)		Summary of GEOREFTYPE is removed.
4.0 (Sep 2020)	14	Fields of two attribute samples are updated according to the data structure as shown on Page 3.

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Introduction

GeoCommunity Database (iGeoCom) is a set of geo-coded community information embedded with spatial reference in textual database format. It contains a collection of location points of interest (POIs) in the community, such as school, clinic, library, sports ground, convenience store, railway station access, etc., with comprehensive location information, contact details and other related service information. This database can be used with other SMO's digital map bases for developing community-oriented GIS applications.

More than 30,000 records of community information have been collected and geo-coded. They are grouped under the following eight categories.

- Community Facilities, e.g. Community Centre, Mall, Convenience Store, etc.
- Education, e.g. Child Care Centre, Schools, University, etc.
- Medical, e.g. Hospital, Clinic, Home for the Elderly, Rehabilitation Centre, etc.
- Public Services / Facilities, e.g. Library, Post Office, Fire Station, Posting Box, etc.
- Recreation, e.g. Indoor Games Hall, Swimming Pool, etc.
- Religion, e.g. Church, Temple, etc.
- Transportation, e.g. Car Park, Petrol Station, Pier, Railway Access, Bus Terminus, etc.
- Tourism, e.g. Hotel, Guesthouse, etc.

Coordinate System

Coordinates of the POIs are in Hong Kong 1980 Grid (HK 1980 Grid), which is a local rectangular grid system based on the HK80 Datum and Transverse Mercator projection.

Data Source

The spatial reference of the POI data is mainly derived from the large scale topographic maps (e.g. iB1000). The relevant attribute information is widely sourced from different government departments and related organisations.

Address

The Address field stores the location information of the POIs in the database. Approximate location is provided for POIs without an exact address.

Update Frequency

The data in iGeoCom is continuously being updated.

Enquiry

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Data Structure

FIELD NAME	DATA TYPE	LENGTH	DESCRIPTION
GEONAMEID	Long Integer		Primary Key
ENGLISHNAME	Text	255	Name of Feature in English
CHINESENAME	Text	180	Name of Feature in Chinese
CLASS	Text	5	Feature Class
TYPE	Text	5	Feature Type
SUBCAT	Text	10	Feature Subcategory
EASTING	Double		Geographical Location of Feature in x-coordinate
NORTHING	Double		Geographical Location of Feature in y-coordinate
SOURCE	Integer		Data Source of Feature
E_FLOOR	Text	115	Floor Level of Feature in English
C_FLOOR	Text	80	Floor Level of Feature in Chinese
E_SITENAME	Text	255	Site Name of Feature in English
C_SITENAME	Text	180	Site Name of Feature in Chinese
E_AREA	Text	115	Area of Feature in English
C_AREA	Text	80	Area of Feature in Chinese
E_DISTRICT	Text	50	District of Feature in English
C_DISTRICT	Text	25	District of Feature in Chinese
E_REGION	Text	5	Region of Feature in English
C_REGION	Text	5	Region of Feature in Chinese
E_ADDRESS	Long text		Address / Location of Feature in English
C_ADDRESS	Long text		Address / Location of Feature in Chinese
TEL_NO	Long text		Telephone Number
FAX_NO	Long text		Fax Number
WEB_SITE	Long text		Website
REV_DATE	Date		Revision Date

Summary of CLASS / TYPE

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Community Facilities	CMF	Commercial Facility	ACS	Association / Club / Society
Community Facilities	CMF	Commercial Facility	CTR	China Travel Service
Community Facilities	CMF	Commercial Facility	CVS	Convenience Store
Community Facilities	CMF	Commercial Facility	FLR	Floating Restaurant
Community Facilities	CMF	Commercial Facility	MAL	Mall / Shopping Centre / Commercial Complex
Community Facilities	CMF	Commercial Facility	ROI	Department Store / Retail Outlet of Interest
Community Facilities	CMF	Commercial Facility	SMK	Supermarket
Community Facilities	COM	Community Facility	CMC	Community Centre / Community Hall / Youth Centre / Welfare Centre
Community Facilities	COM	Community Facility	FSC	Family Service Centre
Community Facilities	COM	Community Facility	RCM	Rural Committee
Community Facilities	COM	Community Facility	VOF	Village Office
Community Facilities	CUF	Cultural Facility	CHL	City Hall / Town Hall / Civic Centre
Community Facilities	CUF	Cultural Facility	DMT	Declared Monument / Antiquity
Community Facilities	CUF	Cultural Facility	EXB	Exhibition Venue
Community Facilities	CUF	Cultural Facility	HST	Historical Site/Heritage
Community Facilities	CUF	Cultural Facility	LIB	Library
Community Facilities	CUF	Cultural Facility	PAG	Pagoda
Community Facilities	CUF	Cultural Facility	PFM	Performing Arts Venue
Community Facilities	CUF	Cultural Facility	SCU	Sculpture / Memorial Inscription

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Community Facilities	CUF	Cultural Facility	SSR	Self-Study Room
Community Facilities	CUF	Cultural Facility	TNC	Cinema
Community Facilities	CUF	Cultural Facility	TTH	Ancestral Hall
Community Facilities	MUF	Municipal Facility	BAZ	Bazaar
Community Facilities	MUF	Municipal Facility	CFS	Cooked Food Stall
Community Facilities	MUF	Municipal Facility	CSC	Municipal Complex
Community Facilities	MUF	Municipal Facility	MKT	Market
Community Facilities	MUF	Municipal Facility	RCP	Refuse Collection Point
Community Facilities	MUF	Municipal Facility	TOI	Toilet
Community Facilities	MUF	Municipal Facility	WMT	Wholesale Market
Education	SCH	Educational	CCC	Child Care Centre
Education	SCH	Educational	KDG	Kindergarten
Education	SCH	Educational	MIS	Riding School / Road Safety Centre
Education	SCH	Educational	PRS	Primary School
Education	SCH	Educational	SCM	Educational Branch / Sub-campus
Education	SCH	Educational	SEC	Special Education School
Education	SCH	Educational	SES	Secondary School
Education	SCH	Educational	TEI	Post-Secondary
Education	SCH	Educational	VTI	Vocational Training Institute / Career Skill Development
Recreation	AQU	Aquatics	BBS	Bathing Beach - Supervised
Recreation	AQU	Aquatics	YAC	Boating / Yachting / Water Sports Centre
Recreation	PAK	Conservation	CPB	Country Park (Designation) under Chapter 208B

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Recreation	PAK	Conservation	CRA	Conservationally restricted area
Recreation	PAK	Conservation	CSA	Special Area (Designation) within Country Park under Chapter 208C
Recreation	PAK	Conservation	MPB	Marine Park (Designation) under Chapter 476B
Recreation	PAK	Conservation	MRA	Marine Reserve (Designation) under Chapter 476C
Recreation	PAK	Conservation	NRA	Nature Reserve
Recreation	PAK	Conservation	SPA	Special Area (Designation) under Chapter 208D
Recreation	RSF	Leisure Facility	AMK	Theme Park
Recreation	RSF	Leisure Facility	BAS	Basketball Court
Recreation	RSF	Leisure Facility	BWG	Bowling Green
Recreation	RSF	Leisure Facility	BWR	Indoor Bowling Rink
Recreation	RSF	Leisure Facility	CCS	Recreational Club Site
Recreation	RSF	Leisure Facility	GCO	Golf Course
Recreation	RSF	Leisure Facility	IGH	Indoor Sports Venue
Recreation	RSF	Leisure Facility	ISR	Ice Skating / Roller Rink / Skateboard
Recreation	RSF	Leisure Facility	OSA	Other Sports and Sports Association
Recreation	RSF	Leisure Facility	PAR	Park
Recreation	RSF	Leisure Facility	PAV	Pavilion
Recreation	RSF	Leisure Facility	PLG	Playground
Recreation	RSF	Leisure Facility	RCO	Racecourse
Recreation	RSF	Leisure Facility	RGD	Minor Open Space (Passive)
Recreation	RSF	Leisure Facility	SCO	Squash Court

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Recreation	RSF	Leisure Facility	SGD	Sports Ground / Football Field
Recreation	RSF	Leisure Facility	SPL	Swimming Pool
Recreation	RSF	Leisure Facility	STD	Stadium
Recreation	RSF	Leisure Facility	TCT	Tennis Court
Recreation	RSF	Leisure Facility	VPT	Viewing Point
Recreation	RSF	Leisure Facility	ZOO	Zoo
Recreation	TRH	Tourism and Hiking	CAM	Country / Marine Park Management Centre
Recreation	TRH	Tourism and Hiking	FLO	Fire Lookout
Recreation	TRH	Tourism and Hiking	SIG	Scenic Spot
Medical	HNC	Health Care	BDC	Blood Donor Centre
Medical	HNC	Health Care	CLI	Clinic / Health Centre / Dispensary
Medical	HNC	Health Care	ELD	Home for the Elderly
Medical	HNC	Health Care	HOS	Hospital
Medical	HNC	Health Care	REH	Rehabilitation Centre
Public Services / Facilities	BGD	Burial Ground	CEM	Cemetery
Public Services / Facilities	BGD	Burial Ground	COL	Columbarium
Public Services / Facilities	BGD	Burial Ground	CRE	Crematorium
Public Services / Facilities	BGD	Burial Ground	FUN	Funeral Parlour / Mortuary
Public Services / Facilities	GOV	Public Service	ABL	Ambulance Depot
Public Services / Facilities	GOV	Public Service	CMS	Diplomatic Organization / Foreign Commission
Public Services / Facilities	GOV	Public Service	CSD	Drug Abuse Treatment and Rehabilitation Services
Public Services / Facilities	GOV	Public Service	CST	Consulate

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Public Services / Facilities	GOV	Public Service	DLO	District Land Office
Public Services / Facilities	GOV	Public Service	DOF	District Office
Public Services / Facilities	GOV	Public Service	FSN	Fire Station
Public Services / Facilities	GOV	Public Service	GOD	HQ of Government Department
Public Services / Facilities	GOV	Public Service	GOF	Government Offices
Public Services / Facilities	GOV	Public Service	ICA	ICAC Regional Office
Public Services / Facilities	GOV	Public Service	ICP	Immigration Control Point
Public Services / Facilities	GOV	Public Service	IDB	Immigration Department (Births and Deaths Registry)
Public Services / Facilities	GOV	Public Service	IDM	Immigration Department (Marriage Registry)
Public Services / Facilities	GOV	Public Service	IDP	Immigration Department (Personal Documentation)
Public Services / Facilities	GOV	Public Service	IDR	Immigration Department (Registration of Persons)
Public Services / Facilities	GOV	Public Service	JUD	Magistracy / District Court
Public Services / Facilities	GOV	Public Service	LJB	Labour Department (Employment Services Division)
Public Services / Facilities	GOV	Public Service	LRE	Labour Department (Labour Relations Division)
Public Services / Facilities	GOV	Public Service	LRY	Land Registry
Public Services / Facilities	GOV	Public Service	MAP	Map Sales Outlet
Public Services / Facilities	GOV	Public Service	ORG	Public Service Organization
Public Services / Facilities	GOV	Public Service	POB	Posting Box
Public Services / Facilities	GOV	Public Service	POF	Post Office
Public Services / Facilities	GOV	Public Service	PPT	Police Post
Public Services / Facilities	GOV	Public Service	PSI	Prison
Public Services / Facilities	GOV	Public Service	PSN	Police Station

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Public Services / Facilities	GOV	Public Service	RPT	Police Reporting Centre
Public Services / Facilities	GOV	Public Service	TAN	Hong Kong Tourism Board
Public Services / Facilities	GOV	Public Service	TDT	Transport Department (Licensing Division)
Public Services / Facilities	UTI	Utility / Installation	EES	Electricity Substation
Public Services / Facilities	UTI	Utility / Installation	LPG	Liquefied Petroleum Gas Filling Station
Public Services / Facilities	UTI	Utility / Installation	PFS	Petrol Station
Public Services / Facilities	UTI	Utility / Installation	SGN	Radio Transmitting Station / Television Transmitting Station / Radar Station / Signal Station / Wireless Station / Microwave Station
Public Services / Facilities	UTI	Utility / Installation	SST	Earth Satellite Station
Religion	REM	Religious	CHU	Church
Religion	REM	Religious	MON	Monastery / Nunnery
Religion	REM	Religious	MOS	Mosque
Religion	REM	Religious	RPS	Other Religious Meeting Place
Religion	REM	Religious	SMY	Seminary
Religion	REM	Religious	SYN	Synagogue
Religion	REM	Religious	TMP	Temple
Transportation	BUS	Bus Stop	BUS	Bus Terminus
Transportation	BUS	Bus Stop	MIN	Green Minibus Terminus
Transportation	TRF	Transportation Furniture	AER	Aeronautical Navigation Beacon
Transportation	TRF	Transportation Furniture	NAU	Nautical Navigation Beacon
Transportation	TRF	Transportation Furniture	REA	Vehicular Restricted Access
Transportation	TRF	Transportation Furniture	REN	Route Exit

CATEGORY	CLASS	CLASS DESCRIPTION	TYPE	TYPE DESCRIPTION
Transportation	TRF	Transportation Furniture	VEB	Vehicular Barred Access
Transportation	TRS	Transportation	AIR	Airport
Transportation	TRS	Transportation	CBC	Cable Car
Transportation	TRS	Transportation	CBV	Cross Boundary Vehicle Stop
Transportation	TRS	Transportation	CPO	Car Park
Transportation	TRS	Transportation	DTC	Driving Test Centre
Transportation	TRS	Transportation	FER	Ferry Pier
Transportation	TRS	Transportation	FET	Ferry Terminal
Transportation	TRS	Transportation	HLP	Helicopter Landing Pad
Transportation	TRS	Transportation	HSA	High Speed Rail Station Entrance
Transportation	TRS	Transportation	HSN	High Speed Rail Station
Transportation	TRS	Transportation	LRA	Light Rail Station
Transportation	TRS	Transportation	MTA	Railway Station Entrance
Transportation	TRS	Transportation	PIE	Wharf
Transportation	TRS	Transportation	PTA	Peak Tram Access
Transportation	TRS	Transportation	RSN	Railway Station
Transportation	TRS	Transportation	TOA	Toll Gate
Tourism	AMD	Accommodation	GHS	Guest House
Tourism	AMD	Accommodation	HCV	Holiday Camp / Village
Tourism	AMD	Accommodation	HTL	Hotel
Tourism	AMD	Accommodation	YHL	Youth Hostel

Summary of Subcategory

SUBCAT	SUBCATEGORY DESCRIPTION
BIRTHS	Births Registry
BTHDTH	Births and Deaths Registry
CPINDR	Car Park - Indoor
CPMULT	Car Park - Multi-Storey
CPOPEN	Car Park - Open
CTMPCM	Chinese Temple Committee
DEATHS	Deaths Registry
DELDCC	District Elderly Community Centre
DISTHQ	Hong Kong Police Force District Headquarters
DIVSTN	Hong Kong Police Force Divisional Station
DTLSCH	School Dental Clinic
ELDHTH	Elderly Health Centre
ESUPVS	Supervised
EVNSCH	Evening School
EXBCTR	Exhibition Centre
EXBSPC	Exhibition Venue of Specific Thematic Interest
GENOPC	General Outpatient Clinical
GOPCLI	General Outpatient Clinical
HGP24R	24-Hour Cross Boundary Coach to Huanggang Port
HSRLIF	High Speed Rail Barrier-free Access with Lift
HSRRAM	High Speed Rail Barrier-free Access with Ramp
HSRSLV	High Speed Rail Barrier-free Access at Same Level
HTLASN	Member of Hong Kong Hotels Association
IFSGOV	Integrated Family Service Centre (Social Welfare Department)
IFSSVN	Integrated Family Service Centre (Subvented Non-Governmental Organization)
INSIDE	Subordinate Facility inside Pleasure Ground
ISCSVN	Integrated Services Centre (Subvented Non-Governmental Organization)
KDGCCC	Kindergarten-cum-Child Care Centre
MOBILE	Mobile
MTHDNC	Methadone Centre
MTNCHD	Maternal & Child Health Centre
MTRLIF	MTR Barrier-free Access with Lift
MTRRAM	MTR Barrier-free Access with Ramp
MTRSLV	MTR Barrier-free Access at Same Level
MTRSTL	MTR Barrier-free Access with Stair Lift
MTRWCA	MTR Barrier-free Access with Wheelchair Aid

SUBCAT	SUBCATEGORY DESCRIPTION
NON24R	Non-24-Hour Open
OPBASE	Hong Kong Police Force Operational Base
PENQSC	Public Enquiry Services Counter
PEXMPT	Private - Exempted under Section 8 of Medical Clinics Ordinance (Chapter 343)
PFMIDR	Venue for Performing Art (Indoor)
PFMODR	Venue for Performing Activities (Outdoor)
RDRSTN	Radar Station
RESHSE	Resort House (Holiday Flat)
RGDPSC	Registered Under the Post-Secondary Colleges Ordinance
RGNHQS	Hong Kong Police Force Regional Headquarters
RPTC_T	Hong Kong Police Force Traffic Reporting Centre
RRLCMT	Rural Committee
RSTOTL	Restricted Area (Omni-temporal)
RSTSSL	Restricted Area (Seasonal)
SKTBRD	Skateboard
SKTICE	Ice Skating
SKTRRK	Roller Rink
SPRSTR	Superstore
UGCFIT	University Grants Committee Funded Institutions or University with Self University Ordinance
WESTRN	Western
WMNHTH	Woman Health Centre

Summary of Data Sources

SOURCE	DATA SOURCE DESCRIPTION
1	Facility records from map.gov.hk
3	Gazetted / Deposited Information
5	iB1000 Topographic Map from Lands Department
9	Cadastral Information from Lands Department
22	Information from A-K Government Departments
24	Information from L-Z Government Departments
26	Information from government related organisations
27	Information from private sector

Attribute Samples

FIELD NAME	SAMPLE 1	SAMPLE 2
GEONAMEID	21105810	546489
ENGLISHNAME	BOX HILL (HK) INTERNATIONAL KINDERGARTEN-FO TAN	Basketball Court
CHINESENAME	博士山（香港）國際幼稚園－火炭	籃球場
CLASS	SCH	RSF
TYPE	KDG	BAS
SUBCAT	KDGCCC	
EASTING	838637	841673
NORTHING	828648	830707
SOURCE	1	5
E_FLOOR	PODIUM	
C_FLOOR	平台	
E_SITENAME		Heng On Estate
C_SITENAME		恆安邨
E_AREA	Fo Tan	Ma On Shan
C_AREA	火炭	馬鞍山
E_DISTRICT	Sha Tin District	Sha Tin District
C_DISTRICT	沙田區	沙田區
E_REGION	NT	NT
C_REGION	新界	新界
E_ADDRESS	NO 327 ON PODIUM OF JUBILEE SQUARE FO TAN SHATIN NEW TERRITORIES	Heng On Estate, Ma On Shan, NT
C_ADDRESS	新界沙田火炭銀禧薈平台3 2 7號	新界馬鞍山恆安邨
TEL_NO	26882161	
FAX_NO		
WEB_SITE	http://boxhill.edu.hk/school/fo_tan/index.php	
REV_DATE	27/4/2020	11/5/2020