



## Information Paper of Hong Kong Digital Map

### Introduction

The Digital Maps covering the whole territory of Hong Kong are available for free download or for sale to the public at the Hong Kong Map Service 2.0 - ([www.hkmapservice.gov.hk](http://www.hkmapservice.gov.hk)). The Digital Maps are continuously updated by SMO. Except Digital Aerial Photos which are stored in individual copy basis, all map details are stored as **continuous** and seamless map base. Coordinates of the Digital Maps are in Hong Kong 1980 Grid, and heights are in metres above the Hong Kong Principal Datum.

Types of Product	Product Name	Scale	Data Format					Coverage (Sheet) #
			FGDB	GML	DWG	DGN v8	GeoTIFF	
Digital Topographic Map	iB1000	1:1000	FGDB	GML	DWG	DGN v8	GeoTIFF	3,329
	iB5000	1:5000						192
	iB10000	1:10000						59
	iB20000	1:20000						18
Digital Land Boundary Map	iC1000	1:1000	FGDB	GML	DWG	DGN v8	4,659	
Geo-Reference Database	iG1000		ASCII	FGDB	GML	DWG	DGN v8	56
Digital Orthophoto	DOP1000-1963P (Plain Image Version)	1:1000	DOP1000 is only available in <b>GeoTIFF</b> with Worldfile.					2,541
	DOP1000-1963G (Grid Line Version)							
	DOP5000	1:5000	DOP5000 is only available in <b>GeoTIFF</b> with Worldfile.					192
	DOPM50-LO	1:50000	DOPM50-LO is only available in <b>JPEG</b> with Worldfile.					1
Digital Aerial Photo	DAP	DAP is only available in <b>TIFF</b> (with camera calibration report).						
	DAP_RGBI	Available in TIFF (with camera calibration report and Worldfile)						
	DAP_RGB, DAP_CIR	Available in TIFF (with camera calibration report and Worldfile)						
	DAP-LO	DAP-LO is only available in <b>JPEG</b> (without camera calibration report).						
	DAP-LO_RGB, DAP-LO_CIR	Available in <b>JPEG</b> (without camera calibration report and World file)						
GeoCommunity Database	iGeoCom	iGeoCom is only available in <b>MS Excel</b> , <b>MS Access</b> and <b>CSV</b> format.					1	
3D Spatial Data	3D-BIT00	3D-BIT00 is only available in <b>3D Max</b> , <b>3ds</b> and <b>VRML</b> format.					3,271	

### Note:

DWG = AutoCAD 2000 and above  
 DGN v8 = Microstation v8 or above  
 FBX = Autodesk FBX  
 TIFF = Tagged-Image File Format (Colour, except some DAP are provided in Black & White only)  
 CSV = Comma-Separated Values  
 # - Sheet No. varies from time to time, please refer to Sheet Index for latest coverage

FGDB = File Geodatabase (Version 9.3.1)  
 Max = Autodesk 3D Max 2011  
 VRML = Virtual Reality Markup Language 97

GML = Geographic Markup Language (Version 3.1.1)  
 3ds = Autodesk 3D Studio  
 ASCII = Delimited Text  
 GeoTIFF = Geo-referenced Tagged-Image File Format

### Data Dictionary

Data Dictionary summarises the data structure and related attributes of each Digital Topographic Map, Digital Land Boundary Map and GeoCommunity Database according to various data formats, the corresponding symbology settings and the description of feature tables as well. It facilitates development of application programs and improves understanding of the data. Data Dictionary is now available at ([www.landsd.gov.hk/mapping/en/digital\\_map/datadictionary.htm](http://www.landsd.gov.hk/mapping/en/digital_map/datadictionary.htm)) free-of-charge.

Types of Data Dictionary:	Revision Date		
	FGDB	GML	CAD
iB1000	January 2019	January 2019	January 2019
iB5000	October 2017	October 2017	October 2017
iB10000	December 2018	December 2018	December 2018
iB20000	December 2018	December 2018	December 2018
iC1000	June 2020	June 2020	June 2020
iGeoCom	MS Access: July 2020		

## Metadata

Metadata is the information about data which helps the prospective users to decide what data is available, how good the data is and where to obtain the data. Metadata file of Digital Topographic Map (iB1000, iB5000, iB10000, & iB20000) and Digital Land Boundary Map (iC1000) could be viewed from SMO web page at <http://www.hkmapmeta.gov.hk>

## Download Digital Map

Most digital map products are released to the public for free. Please visit the Hong Kong Map Service 2.0 - ([www.hkmapservice.gov.hk](http://www.hkmapservice.gov.hk)) to browse and download the free data. Users can also access to the information at the Hong Kong GeoData Store - ([geodata.gov.hk](http://geodata.gov.hk)) and the Public Sector Information Portal - ([data.gov.hk](http://data.gov.hk)). Users are allowed to browse, download, distribute, reproduce, hyperlink to, and print in the original format of the free digital map for both commercial and non-commercial purposes on a free-of-charge basis with complying the "TERMS AND CONDITIONS OF USE" as stipulated in the Hong Kong GeoData Store - ([geodata.gov.hk/gs/?p=terms\\_and\\_conditions](http://geodata.gov.hk/gs/?p=terms_and_conditions)).

## Purchase Digital Map

For purchasing the chargeable digital map products, please login the Hong Kong Map Service 2.0 - ([www.hkmapservice.gov.hk](http://www.hkmapservice.gov.hk)), providing one-stop e-Ordering, e-Payment and e-Delivery of the Government Digital Map.

## Licence to Use Digital Map

A non-exclusive and non-transferable Licence will be issued to customer after purchasing the chargeable digital map products. It permits the licensee to use the map from the date as set out in the Licence. If the licensee ceases using the Digital Map, the licensee should confirm to the Government's Representative in writing that the Digital Map has been erased from the computer configuration.

## Enquiries on Digital Map Products:

Address:

*Map Publications Centre, Hong Kong*

*Survey and Mapping Office, Lands Department, 23/F North Point Government Offices*

*333 Java Road, North Point, Hong Kong*

Tel: (852) 2231 3187 Fax: (852) 2116 0774 Email: [smosale1@landsd.gov.hk](mailto:smosale1@landsd.gov.hk)

**Web Site of SMO, Lands Department:** [www.landsd.gov.hk/mapping/welcome.htm](http://www.landsd.gov.hk/mapping/welcome.htm)

## Related Information Leaflets / Forms

- ☞ Price List of Hong Kong Digital Map
- ☞ Map Features of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, iGeoCom and 3D-BIT00
- ☞ Sheet Index of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, DOP1000, DOP5000, iGeoCom and 3D-BIT00
- ☞ Revision Date of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, G1000, DOP5000, iGeoCom and 3D-BIT00
- ☞ Data File Size of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, DOP5000/ DAP, iGeoCom and 3D-BIT00