



# **Data Dictionary for Address Lookup Service**

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## 1. Parameters in hypertext transfer protocol (http) headers

Apart from the mandatory input parameter “q” and an optional input parameter “n” to this web service, where  $q = \langle \text{input address in free-text format} \rangle$  and  $n = \langle \text{number of address records to be returned} \rangle$ , Address Lookup Service also supports the following optional parameters in the Hypertext Transfer Protocol (HTTP) headers. Based on the input values of the optional parameters in the HTTP Headers, this web service allows the English and/or Chinese structured address in XML or JSON format to be returned.

Header parameters	Supported Values	Remarks
Accept	application/json application/xml	Optional (default: application/xml)
Accept-Encoding	gzip	Optional (default: no compression)
Accept-Language	* en zh-Hant en, zh-Hant	Optional (default: *) en: English zh-Hant: Traditional Chinese

## 2. HTTP Response Status Code

The following table summarizes the HTTP Response Status Codes that the calling application may receive:

Response Status Code	Description	Explanation
200	OK	The request has succeeded and lookup result is returned
400	Bad Request	The request parameters cannot be interpreted by the server
406	Not Acceptable	The specified media type in the <b>Accept</b> header is not supported.
413	Payload Too Large	The input address is longer than 255 characters.
500	Internal Server Error	The server is unable to process the request.

More details on the Response Status Codes can be found in Chapter 6 of the Internet Engineering Task Force (IETF)’s RFC7231 specification:

<https://tools.ietf.org/rfc/rfc7231.txt>

### 3. Elements of the returned address results

The below table summarizes the elements of the returned results. More detail description can be found from the common schemas on structured address and free format address published on the Registry of Data Standards websites.

Element	Description	Remarks
AddressLookupResult	Address lookup result contains the request address, and a list of suggested addresses in decreasing order of similarity.	
RequestAddress	An address to be looked up.	
AddressLine	A string of free-text address captured from input parameter of this web service.	
SuggestedAddress	A suggested address from the address database.	A maximum number of 200 suggested addresses will be returned.
Address	Building address.	
PremisesAddress	Reference to an address which can be occupied by persons or organizations.	

#### *Address in English*

EngPremisesAddress	A structured building address in English referring a location that can be occupied by persons or organizations within Hong Kong.	
EngBlock	Block information of the concerned address in English.	

Element	Description	Remarks
BlockDescriptor	Block descriptor in English (e.g. 'Building', 'House', 'Block', 'BLK').	
BlockNo	Block number in English or numeric values (e.g. '1', 'A', 'EAST').	
BlockDescriptorPrecedenceIndicator	An indicator showing the ordering of block descriptor and block number in full English address when both are not Null, where Y = block description precedes block number (e.g. in the cases of 'BLOCK A' and 'BLOCK 1'), N = block number precedes block description (e.g. in the cases of 'NORTH BLOCK' and 'WEST TOWER').	
BuildingName	Full building name in English.	
EngEstate	Estate name and related information of the concerned address in English.	
EstateName	The estate name of the address in English.	
EngPhase	Phase information of the concerned address in English.	
PhaseName	The phase name in English of the concerned address.	
PhaseNo	The phase number of the concerned address.	
EngVillage	Village name and building number information of the concerned address in English.	
VillageName	Full village / place name of the address in English.	
BuildingNoFrom	Starting building number of the English village address, or the	

Element	Description	Remarks
	full building number when a single building number value is concerned, non-numeric part is included (e.g. '12A' in '12A-14B', and '3B' in '3B/3C').	
BuildingNoTo	Ending building number of the English village address, non-numeric part is included (e.g. '14B' in '12A-14B', and '3C' in '3B/3C').	
EngStreet	Street name and building number information of the concerned address in English.	
StreetName	Full street name of the address in English.	
BuildingNoFrom	Starting building number of the English street address, or the full building number when a single building number value is concerned, non-numeric part is included (e.g. '12A' in '12A-14B', and '3B' in '3B/3C').	
BuildingNoTo	Ending building number of the English street address, non-numeric part is included (e.g. '14B' in '12A-14B', and '3C' in '3B/3C').	
EngLot	Lot information of the concerned address in English.	
EngStructuredLot	English designation of a lot in structured format.	
DdType	DD type of the lot information in English.	
DdNo	DD number values of the lot information.	
LotType	Lot type of the lot information in English abbreviation.	

Element	Description	Remarks
LotNo	Lot number (including both numeric and alphabetical part) of the lot information.	
LotSection1	The first section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection1	The first subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection2	The second section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection2	The second subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection3	The third section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION	

Element	Description	Remarks
	TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection3	The third subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection4	The fourth section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotExtendPortionCode	Lot extend portion code.	1 and the first extension thereto 2 and the second extension thereto 3 and the third extension thereto 4 and the fourth extension thereto 5 and the fifth extension thereto 6 and the sixth extension thereto 7 and the seventh extension thereto 8 and the eighth extension thereto 9 and the extension thereto
EngDistrict	District and/or sub-district information of the concerned	

Element	Description	Remarks
	address in English.	
DcDistrict	Code of the District Council where the concerned address locates.	CW Central and Western District EST Eastern District ILD Islands District KLC Kowloon City District KC Kwai Tsing District KT Kwun Tong District NTH North District SK Sai Kung District ST Sha Tin District SSP Sham Shui Po District STH Southern District TP Tai Po District TW Tsuen Wan District TM Tuen Mun District WC Wan Chai District WTS Wong Tai Sin District YTM Yau Tsim Mong District YL Yuen Long District
Sub-district	Name of the sub-district in English where the concerned address locates. Sub-districts are the names that are commonly	



Element	Description	Remarks
	used by the general public in writing their addresses (e.g. 'HAPPY VALLEY', 'TSIM SHA TSUI').	
Region	Region that the address reference to.	HK Hong Kong KLN Kowloon NT New Territories

*Address in Chinese*

ChiPremisesAddress	A structured building address in Chinese referring a location that can be occupied by persons or organizations within Hong Kong.	
Region	Region that the address reference to (e.g. '香港', '九龍', '新界').	
ChiDistrict	District and/or sub-district information of the concerned address in Chinese.	
DcDistrict	Code of the District Council where the concerned address locates.	CW 中西區 EST 東區 ILD 離島區 KLC 九龍城區 KC 葵青區 KT 觀塘區 NTH 北區

Element	Description	Remarks
		SK 西貢區 ST 沙田區 SSP 深水埗區 STH 南區 TP 大埔區 TW 荃灣區 TM 屯門區 WC 灣仔區 WTS 黃大仙區 YTM 油尖旺區 YL 元朗區
Sub-district	Name of the sub-district in Chinese where the concerned address locates. Sub-districts are the names that are commonly used by the general public in writing their addresses (e.g. ‘跑馬地’, ‘尖沙咀’).	
ChiLot	Lot information of the concerned address in Chinese.	
ChiStructuredLot	Chinese designation of a lot in structured format.	
DdType	DD type of the lot information in Chinese.	
DdNo	DD number values of the lot information.	
LotType	Lot type of the lot information in Chinese abbreviation.	
LotNo	Lot number (including both numeric and alphabetical part) of	

Element	Description	Remarks
	the lot information.	
LotSection1	The first section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection1	The first subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection2	The second section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection2	The second subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection3	The third section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE	

Element	Description	Remarks
	REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotSubsection3	The third subsection number (e.g. '1', '2') appeared in a lot designation.	
LotSection4	The fourth section letter (e.g. 'A', 'B', 'AA', 'C-F') appeared in a lot designation. Special values for non-section letters are enclosed in brackets, where: (PE) = PRAYA EXTENSION TO, (PR) = PRAYA EXCLAMATION TO, (RP) = THE REMAINING PORTION OF, (RC) = THE RECLAMATION TO.	
LotExtendPortionCode	Lot extend portion code.	1 及第一增批地段 2 及第二增批地段 3 及第三增批地段 4 及第四增批地段 5 及第五增批地段 6 及第六增批地段 7 及第七增批地段 8 及第八增批地段 9 及增批地段
ChiStreet	Street name and building number information of the concerned address in Chinese.	

Element	Description	Remarks
StreetName	Full street name of the address in Chinese.	
BuildingNoFrom	Starting building number of the Chinese street address, or the full building number when a single building number value is concerned, non-numeric part is included (e.g. '12A' in '12A-14B', and '3B' in '3B/3C').	
BuildingNoTo	Ending building number of the Chinese street address, non-numeric part is included (e.g. '14B' in '12A-14B', and '3C' in '3B/3C').	
ChiVillage	Village name and building number information of the concerned address in Chinese.	
VillageName	Full village/place name of the address in Chinese.	
BuildingNoFrom	Starting building number of the Chinese village address, or the full building number when a single building number value is concerned, non-numeric part is included (e.g. '12A' in '12A-14B', and '3B' in '3B/3C').	
BuildingNoTo	Ending building number of the Chinese village address, non-numeric part is included (e.g. '14B' in '12A-14B', and '3C' in '3B/3C').	
ChiEstate	Estate name and related information of the concerned address in Chinese.	
EstateName	The estate name of the address in Chinese.	

Element	Description	Remarks
ChiPhase	Phase name and phase number information of the concerned address in Chinese.	
PhaseName	The phase name in Chinese of the concerned address.	
PhaseNo	The phase number of the concerned address.	
ChiBlock	Block information of the concerned address in Chinese.	
BlockDescriptor	Block descriptor in Chinese (e.g. ‘座’, ‘洋房’).	
BlockNo	Block number in Chinese or numeric values (e.g. ‘1’, ‘一’, ‘東’).	
BuildingName	Full building name in Chinese.	

Common schema of structured address:

[http://www.xml.gov.hk/en/approved/structured\\_address\\_v1\\_0.htm](http://www.xml.gov.hk/en/approved/structured_address_v1_0.htm)

Common schema of free format address:

[http://www.xml.gov.hk/en/approved/free\\_format\\_address\\_v1\\_0.htm](http://www.xml.gov.hk/en/approved/free_format_address_v1_0.htm)

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