

Data Dictionary for Next Train API

**Version 1.1
27 June 2021**

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Version	Details of Change	Effective Date
1.0	Initial Release.	18 July, 2019
1.1	Added TML Line	27 June, 2021

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1. Description and requirement of required variables

The following table shows the required variables when using the API. Valid result will be returned only if the combination of parameter 1(line) and parameter 2(sta) is correct.

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
AEL	Airport Express	<i>HOK</i>	Hong Kong
		<i>KOW</i>	Kowloon
		<i>TSY</i>	Tsing Yi
		<i>AIR</i>	Airport
		<i>AWE</i>	AsiaWorld Expo
TCL	Tung Chung Line	<i>HOK</i>	Hong Kong
		<i>KOW</i>	Kowloon
		<i>OLY</i>	Olympic
		<i>NAC</i>	Nam Cheong
		<i>LAK</i>	Lai King
		<i>TSY</i>	Tsing Yi
		<i>SUN</i>	Sunny Bay
		<i>TUC</i>	Tung Chung
TML	Tuen Ma Line	<i>WKS</i>	Wu Kai Sha
		<i>MOS</i>	Ma On Shan
		<i>HEO</i>	Heng On
		<i>TSH</i>	Tai Shui Hang
		<i>SHM</i>	Shek Mun
		<i>CIO</i>	City One
		<i>STW</i>	Sha Tin Wai
		<i>CKT</i>	Che Kung Temple
		<i>TAW</i>	Tai Wai
		<i>HIK</i>	Hin Keng
		<i>DIH</i>	Diamond Hill
		<i>KAT</i>	Kai Tak
		<i>SUW</i>	Sung Wong Toi
		<i>TKW</i>	To Kwa Wan
		<i>HOM</i>	Ho Man Tin
		<i>HUH</i>	Hung Hom
		<i>ETS</i>	East Tsim Sha Tsui
		<i>AUS</i>	Austin
		<i>NAC</i>	Nam Cheong
		<i>MEF</i>	Mei Foo
		<i>TWW</i>	Tsuen Wan West
		<i>KSR</i>	Kam Sheung Road
		<i>YUL</i>	Yuen Long
		<i>LOP</i>	Long Ping
		<i>TIS</i>	Tin Shui Wai
		<i>SIH</i>	Siu Hong
		<i>TUM</i>	Tuen Mun

TKL	Tseung Kwan O Line	<i>NOP</i>	North Point
		<i>QUB</i>	Quarry Bay
		<i>YAT</i>	Yau Tong
		<i>TIK</i>	Tiu Keng Leng
		<i>TKO</i>	Tseung Kwan O
		<i>LHP</i>	LOHAS Park
		<i>HAH</i>	Hang Hau
		<i>POA</i>	Po Lam

The following table shows the optional variable, *lang*, which specify the language of the returned result. The default language is English.

Parameter 3 (<i>lang</i>) - <i>Optional</i>	Description
<i>EN</i>	English (Default)
<i>TC</i>	Traditional Chinese

2. Description of returned result

The returned result is in JSON format. The data type and description of returned data is listed in below table.

Name of JSON data	Data Type	Description
status	Numbers	system status code value: "1" = normal "0" = error or alert
message	Strings	Alert message
url (optional)	Strings	URL for Special Train Services Arrangement case.
curr_time	Strings, 19 digit alphanumeric in the format of "yyyy-MM-dd HH:mm:ss"	Current date and time
sys_time	Strings	System date and time
isdelay	Strings	Indicate if the train is delayed. Value: "Y" = train is delayed "N" = train is running on time
The below describes the key information within the data array format.		
UP/DOWN	Array format	Indicate the destinations of the train in the specific line. <u>AEL (Airport Express)</u> UP: AIR (Airport) / AWE (AsiaWorld Expo) DOWN: HOK (Hong Kong) <u>TCL (Tung Chung Line)</u> UP: TUC (Tung Chung) DOWN: HOK (Hong Kong) <u>TML (Tuen Ma Line)</u> UP: TUM (Tuen Mun) DOWN: WKS (Wu Kai Sha) <u>TKL (Tseung Kwan O Line)</u> UP: POA (Po Lam) / LHP (LOHAS Park) DOWN: TIK (Tiu Keng Leng) / NOP (North Point)
ttnt	Dummy	N/A
valid	Dummy	N/A
plat	Numbers	Platform numbers for the departure / arrival train
time	Strings, 19 digit alphanumeric in the format of "yyyy-MM-dd HH:mm:ss"	Estimated arrival time (or departure time) of the train
source	Dummy	N/A
dest	Strings, 3 characters	MTR Station Code in capital letters
seq	Numbers	The sequence of the 4 upcoming trains. Value: 1,2,3,4