

Data Dictionary for Next Train API

**Version 1.7
13 March 2025**

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Version	Details of Change	Effective Date
1.0	Initial Release.	18 July, 2019
1.1	Added Tuen Ma Line (TML)	27 June, 2021
1.2	- Added East Rail Line (EAL) - Added fields for returned result	15 May, 2022
1.3	Added South Island Line (SIL)	30 January, 2023
1.4	Added Tsuen Wan Line (TWL)	17 April, 2023
1.5	Added Island Line (ISL)	19 July, 2023
1.6	Added Kwun Tong Line (KTL)	11 October, 2023
1.7	Added Disneyland Resort Line (DRL)	13 March, 2025

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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		

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
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
EAL	East Rail Line	<i>ADM</i>	Admiralty
		<i>EXC</i>	Exhibition Centre
		<i>HUH</i>	Hung Hom
		<i>MKK</i>	Mong Kok East
		<i>KOT</i>	Kowloon Tong
		<i>TAW</i>	Tai Wai
		<i>SHT</i>	Sha Tin
		<i>FOT</i>	Fo Tan
		<i>RAC</i>	Racecourse
		<i>UNI</i>	University
		<i>TAP</i>	Tai Po Market
		<i>TWO</i>	Tai Wo
		<i>FAN</i>	Fanling
		<i>SHS</i>	Sheung Shui
		<i>LOW</i>	Lo Wu
<i>LMC</i>	Lok Ma Chau		
SIL	South Island Line	<i>ADM</i>	Admiralty
		<i>OCP</i>	Ocean Park
		<i>WCH</i>	Wong Chuk Hang
		<i>LET</i>	Lei Tung
		<i>SOH</i>	<i>South Horizons</i>
TWL	Tsuen Wan Line	<i>CEN</i>	Central
		<i>ADM</i>	Admiralty
		<i>TST</i>	Tsim Sha Tsui
		<i>JOR</i>	Jordan
		<i>YMT</i>	Yau Ma Tei
		<i>MOK</i>	Mong Kok
		<i>PRE</i>	Price Edward
		<i>SSP</i>	Sham Shui Po
		<i>CSW</i>	Cheung Sha Wan
		<i>LCK</i>	Lai Chi Kok
		<i>MEF</i>	Mei Foo
		<i>LAK</i>	Lai King
		<i>KWF</i>	Kwai Fong

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		KWH	Kwai Hing
		TWH	Tai Wo Hau
		TSW	Tsuen Wan
ISL	Island Line	KET	Kennedy Town
		HKU	HKU
		SYP	Sai Ying Pun
		SHW	Sheung Wan
		CEN	Central
		ADM	Admiralty
		WAC	Wan Chai
		CAB	Causeway Bay
		TIH	Tin Hau
		FOH	Fortress Hill
		NOP	North Point
		QUB	Quarry Bay
		TAK	Tai Koo
		SWH	Sai Wan Ho
		SKW	Shau Kei Wan
		HFC	Heng Fa Chuen
CHW	Chai Wan		
KTL	Kwun Tong Line	WHA	Whampoa
		HOM	Ho Man Tin
		YMT	Yau Ma Tei
		MOK	Mong Kok
		PRE	Prince Edward
		SKM	Shek Kip Mei
		KOT	Kowloon Tong
		LOF	Lok Fu
		WTS	Wong Tai Sin
		DIH	Diamond Hill
		CHH	Choi Hung
		KOB	Kowloon Bay
		NTK	Ngau Tau Kok
		KWT	Kwun Tong
		LAT	Lam Tin
		YAT	Yau Tong
		TIK	Tiu Keng Leng
DRL	Disneyland Resort Line	SUN	Sunny Bay
		DIS	Disneyland Resort

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

Parameter 3 (lang) - <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 digits alphanumeric in the format of "yyyy-MM-dd HH:mm:ss"	Current date and time
sys_time	Strings	System date and time
Isdelay (optional)	Strings	Indicate if the train is delayed. Value: "Y" = train is delayed "N" = train is running on time
<i>The below describes the key information within the data array format.</i>		
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) <u>EAL (East Rail Line)</u> UP: LMC (Lok Ma Chau) / LOW (Lo Wu) / SHS (Sheung Shui) / TAP (Tai Po Market) / RAC (Racecourse) / FOT (Fo Tan) / SHT (Sha Tin) DOWN: ADM (Admiralty) / HUH (Hung Hom) / MKK (Mong Kok East) <u>SIL (South Island Line)</u> UP: SOH (South Horizons) DOWN: ADM (Admiralty) <u>TWL (Tsuen Wan Line)</u> UP: TSW (Tsuen Wan)

Name of JSON data	Data Type	Description
		<p><i>DOWN</i>: CEN (Central)</p> <p><u>ISL (Island Line)</u> <i>UP</i>: CHW (Chai Wan) <i>DOWN</i>: KET (Kennedy Town)</p> <p><u>KTL (Kwun Tong Line)</u> <i>UP</i>: TIK (Tiu Keng Leng) <i>DOWN</i>: WHA (Whampoa)</p> <p><u>DRL (Disneyland Resort Line)</u> <i>UP</i>: SUN (Sunny Bay) <i>DOWN</i>: DIS (Disneyland Resort)</p>
ttnt	Dummy	N/A
valid	Dummy	N/A
plat	Numbers	Platform numbers for the departure / arrival train
time	Strings, 19 digits 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	<p>The sequence of the 4 upcoming trains.</p> <p>Value: 1,2,3,4</p>
timetype (optional)	Strings, 1 character	<p>Special field apply for EAL only.</p> <p>Indicate the train is arrive or depart from the station.</p> <p>Value: "A" = Arrival "D" = Departure</p>
route (optional)	Strings	<p>Special field apply for EAL only.</p> <p>Indicate the train to destination via Racecourse station instead of Fo Tan station.</p> <p>Value: "" = Normal "RAC" = Via Racecourse station</p>