Data Dictionary
for
Next Train API

Version 1.2
15 May 2022

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

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

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		NOP	North Point
		QUB	Quarry Bay
		YAT	Yau Tong
TKL	Tseung Kwan O Line	TIK	Tiu Keng Leng
		TKO	Tseung Kwan O
		LHP	LOHAS Park
		HAH	Hang Hau
		POA	Po Lam
		ADM	Admiralty
		EXC	Exhibition Centre
		HUH	Hung Hom
		MKK	Mong Kok East
		KOT	Kowloon Tong
		TAW	Tai Wai
		SHT	Sha Tin
EAL	East Rail Line	FOT	Fo Tan
		RAC	Racecourse
		UNI	University
		TAP	Tai Po Market
		TWO	Tai Wo
		FAN	Fanling
		SHS	Sheung Shui
		LOW	Lo Wu
		LMC	Lok Ma Chau

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

Parameter 3 (lang) - *Optional*	Description
EN	English (Default)
TC	Traditional Chinese

2. Description of returned result

The returned result is in JSON format. The data type and description of retuned 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
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.
		
		AEL (Airport Express)
		UP: AIR (Airport) /
		    AWE (AsiaWorld Expo)
		DOWN: HOK (Hong Kong)
		
		TCL (Tung Chung Line)
		UP: TUC (Tung Chung)
		DOWN: HOK (Hong Kong)
		
		TML (Tuen Ma Line)
		UP: TUM (Tuen Mun)
		DOWN: WKS (Wu Kai Sha)
		
		TKL (Tseung Kwan O Line)
		UP: POA (Po Lam) /
		    LHP (LOHAS Park)
		DOWN: TIK (Tiu Keng Leng) /
		    NOP (North Point)
		
		EAL (East Rail Line)
		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)

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

Name of JSON data	Data Type	Description
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
timetype (optional)	Strings, 1 character	Special field apply for EAL only. Indicate the train is arrive or depart from the station. Value: "A" = Arrival "D" = Departure
route (optional)	Strings	Special field apply for EAL only. Indicate the train to destination via Racecourse station instead of Fo Tan station. Value: "" = Normal "RAC" = Via Racecourse station