Data Dictionary
for
Next Train API

Version 1.0
July 2019

Version	Details of Change	Effective Date
1.0	Initial Release.	18 July, 2019

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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
WRL	West Rail Line	*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
TKL	Tseung Kwan O Line	*NOP*	North Point
		QUB	Quarry Bay
		YAT	Yau Tong
		TIK	Tiu Keng Leng
		TKO	Tseung Kwan O
		LHP	LOHAS Park
		HAH	Hang Hau
		POA	Po Lam

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 digit alphanumber 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. 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) WRL (West Rail Line) *UP:* TUM (Tuen Mun) *DOWN:* HUH (Hung Hom) TKL (Tseung Kwan O Line) *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 alphanumber 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