

Next Train API API Specification

**Version 1.3
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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
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

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1. Introduction

The Next Train API provides the train arrival schedule for MTR Airport Express Line, Tung Chung Line, Tuen Ma line, Tseung Kwan O Line, East Rail Line and South Island Line.

2. API

API Type: REST

HTTP Method: GET

Resource URL: <https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php>

Parameters:

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

Parameter 1 (line)	Description	Parameter 2 (sta)	Description
		<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
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>	South Horizons

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

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

Response Code:

HTTP code	Definition
200	Success
429	Too Many Requests
500	Internal Server Error

Example Request (Success Case):

<https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO>

Example Response:

```
{
  "sys_time": "2022-04-25 15:19:59",
  "curr_time": "2022-04-25 15:19:59",
  "data": {
    "TKL-TKO": {
      "curr_time": "2022-04-25 15:19:59",
      "sys_time": "2022-04-25 15:19:59",
      "UP": [
        {
          "ttnt": "1",
          "valid": "Y",
          "plat": "1",
          "time": "2022-04-25 15:20:00",
          "source": "-",
          "dest": "POA",
          "seq": "1"
        },
        {
          "ttnt": "4",
          "valid": "Y",
          "plat": "1",
          "time": "2022-04-25 15:24:00",
          "source": "-",
          "dest": "LHP",
          "seq": "2"
        }
      ],
      "DOWN": [
        {
          "ttnt": "2",
          "valid": "Y",
          "plat": "2",
          "time": "2022-04-25 15:21:00",
```

```
        "source": "-",
        "dest": "NOP",
        "seq": "1"
    },
    {
        "ttnt": "4",
        "valid": "Y",
        "plat": "2",
        "time": "2022-04-25 15:23:00",
        "source": "-",
        "dest": "TIK",
        "seq": "2"
    }
]
}
},
"status": 1,
"message": "successful",
"isdelay": "N"
}
```

Example Request (Special Train Services Arrangement Case):

<https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en>

Example Response:

```
{
  "status": 0,
  "message": "Special train service arrangements are now in place on this line. Please click
here for more information.",
  "url": "https://www.mtr.com.hk/alert/alert_title_wap.html",
  "cur_time": "2019-06-13 17:34:58"
}
```

Example Request (Data Absence):

<https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en>

Example Response:

```
{
  "sys_time": "-",
  "curr_time": "-",
  "data": {
    "TKL-TKO": {
      "curr_time": "-",
      "sys_time": "-"
    }
  },
  "status": 1,
  "message": "successful",
  "isdelay": "Y"
}
```

Example Request (Last Train):

<https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=TKL&sta=TKO&lang=en>

Example Response:

```
{
  "sys_time": "2019-06-13 01:10:42",
  "curr_time": "2019-06-13 01:10:42",
  "data": {
    "TKL-TKO": {
      "curr_time": "2019-06-13 01:10:00",
      "sys_time": "2019-06-13 01:10:00",
      "UP": [
        {
          "ttnt": "2",
          "valid": "Y",
          "plat": "1",
          "time": "2019-06-13 01:17:00",
          "source": "-",
          "dest": "POA",
          "seq": "1"
        }
      ],
      "DOWN": [
      ]
    }
  },
  "status": 1,
  "message": "successful",
  "isdelay": "N"
}
```

Example Request (Suspension of East Rail Line LOW / LMC station):

<https://rt.data.gov.hk/v1/transport/mtr/getSchedule.php?line=EAL&sta=LOW&lang=en>

Example Response:

```
{
  "status": 0,
  "message": "LOW station is suspended"
}
```