

# Next Train API API Specification

**Version 1.0**  
**July 2019**

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

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## 1. Introduction

The Next Train API provides the train arrival schedule for MTR Airport Express Line, Tung Chung Line, West Rail Line and Tseung Kwan O 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
WRL	West Rail Line	<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

		<b>HAH</b>	Hang Hau
		<b>POA</b>	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
<b>EN</b>	English (Default)
<b>TC</b>	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:**

```
{
  status: 1,
  message: "successful",
  curr_time: "2019-06-05 15:16:53",
  sys_time: "2019-06-05 15:16:53",
  isdelay: "N",
  data: {
    TKL-TKO: {
      curr_time: "2019-06-05 15:16:53",
      sys_time: "2019-06-05 15:16:53",
      UP: [{
        ttnt: "2",
        valid: "Y",
        plat: "1",
        time: "2019-06-05 15:17:00",
        source: "-",
        dest: "POA",
        seq: "1"
      }, {
        ttnt: "6",
        valid: "Y",
        plat: "1",
        time: "2019-06-05 15:21:00",
        source: "-",
        dest: "POA",
        seq: "2"
      }, {
        ttnt: "8",
```

```
valid: "Y",
plat: "1",
time: "2019-06-05 15:25:00",
source: "-",
dest: "LHP",
seq: "3"
}, {
    ttnt: "10",
    valid: "Y",
    plat: "1",
    time: "2019-06-05 15:26:00",
    source: "-",
    dest: "POA",
    seq: "4"
}
],
DOWN: [{
    ttnt: "3",
    valid: "Y",
    plat: "2",
    time: "2019-06-05 15:18:00",
    source: "-",
    dest: "NOP",
    seq: "1"
}, {
    ttnt: "7",
    valid: "Y",
    plat: "2",
    time: "2019-06-05 15:23:00",
    source: "-",
    dest: "NOP",
    seq: "2"
}, {
    ttnt: "10",
    valid: "Y",
    plat: "2",
    time: "2019-06-05 15:25:00",
    source: "-",
    dest: "TIK",
    seq: "3"
}, {
    ttnt: "12",
    valid: "Y",
    plat: "2",
    time: "2019-06-05 15:27:00",
    source: "-",
    dest: "NOP",
    seq: "4"
}
]
}
```

```
}
```

**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:**

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

**Example Request (Last Train):**

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

**Example Response:**

```
{
  status: 1,
  message: "successful",
  curr_time: "2019-06-13 01:10:42",
  sys_time: "2019-06-13 01:10:42",
  isdelay: "N",
  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: [{  
  }  
]  
}  
}
```