

Next Train API API Specification

**Version 1.1
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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

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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 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
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
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

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
<i>EN</i>	English (Default)
<i>TC</i>	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/Valert/Valert_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: [{  
        }  
    ]  
    }  
    }  
}
```