MTR Bus API Specification

Version 1.1
14 February 2022

Version	Details of Change	Effective Date
1.0	Initial Release	30 Sept 2021
1.1	Minor Revision	14 Feb 2022

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1. Introduction

The MTR Bus Next Bus API provides MTR Bus estimated time arrival data by selected route

2. API

API Type: REST
HTTP Method: POST
Resource URL: https://rt.data.gov.hk/v1/transport/mtr/bus/getSchedule

Parameters:

The following tables show the required variables when using the API. Valid result will be returned only if both parameter 1(language) and parameter 2(routeName) is correct.

Parameter 1 (language)	Description
en	English
zh	Traditional Chinese

Parameter 2 (routeName)	Data Type	Description
506	String	Tuen Mun Ferry Pier to Siu Lun
K12		Tai Po Market Station to Eightland Garden
K14		Tai Po Mega Mall to Tai Po Market Station
K17		Tai Po Market Station to Fu Shin
K18		Tai Po Market Station to Kwong Fuk
K51		Fu Tai to Tai Lam
K52		Tuen Mun Station to Lung Kwu Tan
K52A		Tuen Mun Station to Tsang Tsui
K53		Tuen Mun Station to So Kwun Wat (Circular)
K58		Fu Tai to Castle Peak Bay
K65		Yuen Long Station to Lau Fau Shan
K66		Long Ping to Tai Tong Wong Nai Tun Tsuen
K68		Yuen Long Industrial Estate to Yuen Long Park (Circular)
K73		Tin Heng to Yuen Long West
K74		Tin Shui to Au Tau (Circular)
K75A		Tin Shui Wai Station to Hung Shui Kiu (Circular)
K75P		Tin Shui to Hung Shui Kiu (Circular)
K76		Tin Heng to Tin Shui Wai Station

** **routeName included list of MTR Bus routes; this does not reflect the availability of the routes.**

Response Code:

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

Example Request:

```
{
  "language": "zh",
  "routeName": "K12"
}
```

Example Response:

```
{
  "appRefreshTimeInSecond": "60",
  "busStop": [
    {
      "bus": [
        {
          "arrivalTimeInSecond": "108000",
          "arrivalTimeText": "",
          "busId": "804",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          },
          "busRemark": null,
          "departureTimeInSecond": "38",
          "departureTimeText": "Departing / Departed",
          "isDelayed": "0",
          "isScheduled": "1",
          "lineRef": "K12_TPMS"
        },
        {
          "arrivalTimeInSecond": "108000",
          "arrivalTimeText": "",
          "busId": "807",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          },
          "busRemark": null,
          "departureTimeInSecond": "638",
          "departureTimeText": "10 minutes",
          "isDelayed": "0",
          "isScheduled": "1",
          "lineRef": "K12_TPMS"
        },
        {
          "arrivalTimeInSecond": "108000",
          "arrivalTimeText": "",
          "busId": "819",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          },
```

```
                "busRemark": null,
                "departureTimeInSecond": "1238",
                "departureTimeText": "20 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
        },
        {
                "arrivalTimeInSecond": "108000",
                "arrivalTimeText": "",
                "busId": "804",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "1838",
                "departureTimeText": "30 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
        },
        {
                "arrivalTimeInSecond": "108000",
                "arrivalTimeText": "",
                "busId": "807",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "2438",
                "departureTimeText": "40 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
        }
    ],
    "busIcon": null,
    "busStopId": "K12-D010",
    "busStopRemark": null,
    "busStopStatus": null,
    "busStopStatusRemarkContent": null,
    "busStopStatusRemarkTitle": null,
    "busStopStatusTime": null,
    "isSuspended": "0"
},
{
    "bus": [
        {
            "arrivalTimeInSecond": "207",
```

```json
        "arrivalTimeText": "3 minutes",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "294",
        "departureTimeText": "4 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "807",
        "arrivalTimeText": "13 minutes",
        "busId": "807",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "894",
        "departureTimeText": "14 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "1407",
        "arrivalTimeText": "23 minutes",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1494",
        "departureTimeText": "24 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "1991",
        "arrivalTimeText": "33 minutes",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
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        },
```

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                    "busRemark": null,
                    "departureTimeInSecond": "2081",
                    "departureTimeText": "34 minutes",
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                    "isScheduled": "1",
                    "lineRef": "K12_TPMS"
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                {
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                    "arrivalTimeText": "43 minutes",
                    "busId": "807",
                    "busLocation": {
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                        "longitude": 0
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                    "busRemark": null,
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                    "departureTimeText": "44 minutes",
                    "isDelayed": "0",
                    "isScheduled": "1",
                    "lineRef": "K12_TPMS"
                }
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            "busIcon": null,
            "busStopId": "K12-D020",
            "busStopRemark": null,
            "busStopStatus": null,
            "busStopStatusRemarkContent": null,
            "busStopStatusRemarkTitle": null,
            "busStopStatusTime": null,
            "isSuspended": "0"
        },
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            "bus": [
                {
                    "arrivalTimeInSecond": "495",
                    "arrivalTimeText": "8 minutes",
                    "busId": "804",
                    "busLocation": {
                        "latitude": 0,
                        "longitude": 0
                    },
                    "busRemark": null,
                    "departureTimeInSecond": "506",
                    "departureTimeText": "8 minutes",
                    "isDelayed": "0",
                    "isScheduled": "1",
                    "lineRef": "K12_TPMS"
                },
                {
                    "arrivalTimeInSecond": "1095",
```

```
            "arrivalTimeText": "18 minutes",
            "busId": "807",
            "busLocation": {
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                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "1106",
            "departureTimeText": "18 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_TPMS"
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            "arrivalTimeInSecond": "1695",
            "arrivalTimeText": "28 minutes",
            "busId": "819",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "1706",
            "departureTimeText": "28 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_TPMS"
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            "arrivalTimeInSecond": "2283",
            "arrivalTimeText": "38 minutes",
            "busId": "804",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "2294",
            "departureTimeText": "38 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_TPMS"
        }
    ],
    "busIcon": null,
    "busStopId": "K12-D030",
    "busStopRemark": null,
    "busStopStatus": null,
    "busStopStatusRemarkContent": null,
    "busStopStatusRemarkTitle": null,
    "busStopStatusTime": null,
```

```
            "isSuspended": "0"
    },
    {
        "bus": [
            {
                "arrivalTimeInSecond": "0",
                "arrivalTimeText": "Arriving / Departed",
                "busId": "819",
                "busLocation": {
                    "latitude": 22.444112000000004,
                    "longitude": 114.1698215
                },
                "busRemark": null,
                "departureTimeInSecond": "-103",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
            },
            {
                "arrivalTimeInSecond": "507",
                "arrivalTimeText": "8 minutes",
                "busId": "804",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
            },
            {
                "arrivalTimeInSecond": "1107",
                "arrivalTimeText": "18 minutes",
                "busId": "807",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_TPMS"
            },
            {
                "arrivalTimeInSecond": "1707",
```

```
            "arrivalTimeText": "28 minutes",
            "busId": "819",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "0",
            "departureTimeText": "Departing / Departed",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_TPMS"
        },
        {

            "arrivalTimeInSecond": "2294",
            "arrivalTimeText": "38 minutes",
            "busId": "804",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "0",
            "departureTimeText": "Departing / Departed",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_TPMS"
        }
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    "busIcon": null,
    "busStopId": "K12-D040",
    "busStopRemark": null,
    "busStopStatus": null,
    "busStopStatusRemarkContent": null,
    "busStopStatusRemarkTitle": null,
    "busStopStatusTime": null,
    "isSuspended": "0"
},
{
    "bus": [
        {
            "arrivalTimeInSecond": "108000",
            "arrivalTimeText": "",
            "busId": "807",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "38",
            "departureTimeText": "Departing / Departed",
```

```json
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_EG"
        },
        {
            "arrivalTimeInSecond": "108000",
            "arrivalTimeText": "",
            "busId": "819",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "638",
            "departureTimeText": "10 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_EG"
        },
        {
            "arrivalTimeInSecond": "108000",
            "arrivalTimeText": "",
            "busId": "804",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "1238",
            "departureTimeText": "20 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_EG"
        },
        {
            "arrivalTimeInSecond": "108000",
            "arrivalTimeText": "",
            "busId": "807",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "1838",
            "departureTimeText": "30 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_EG"
        },
        {
            "arrivalTimeInSecond": "108000",
```

```
                        "arrivalTimeText": "",
                        "busId": "819",
                        "busLocation": {
                            "latitude": 0,
                            "longitude": 0
                        },
                        "busRemark": null,
                        "departureTimeInSecond": "2438",
                        "departureTimeText": "40 minutes",
                        "isDelayed": "0",
                        "isScheduled": "1",
                        "lineRef": "K12_EG"
                    }
                ],
                "busIcon": null,
                "busStopId": "K12-U010",
                "busStopRemark": null,
                "busStopStatus": null,
                "busStopStatusRemarkContent": null,
                "busStopStatusRemarkTitle": null,
                "busStopStatusTime": null,
                "isSuspended": "0"
            },
            {
                "bus": [
                    {
                        "arrivalTimeInSecond": "263",
                        "arrivalTimeText": "4 minutes",
                        "busId": "807",
                        "busLocation": {
                            "latitude": 0,
                            "longitude": 0
                        },
                        "busRemark": null,
                        "departureTimeInSecond": "325",
                        "departureTimeText": "5 minutes",
                        "isDelayed": "0",
                        "isScheduled": "1",
                        "lineRef": "K12_EG"
                    },
                    {
                        "arrivalTimeInSecond": "863",
                        "arrivalTimeText": "14 minutes",
                        "busId": "819",
                        "busLocation": {
                            "latitude": 0,
                            "longitude": 0
                        },
                        "busRemark": null,
                        "departureTimeInSecond": "925",
                        "departureTimeText": "15 minutes",
```

```
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "1463",
                "arrivalTimeText": "24 minutes",
                "busId": "804",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "1525",
                "departureTimeText": "25 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "2083",
                "arrivalTimeText": "34 minutes",
                "busId": "807",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "2142",
                "departureTimeText": "35 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "2683",
                "arrivalTimeText": "44 minutes",
                "busId": "819",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "2742",
                "departureTimeText": "45 minutes",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            }
        ],
        "busIcon": null,
```

```json
            "busStopId": "K12-U020",
            "busStopRemark": null,
            "busStopStatus": null,
            "busStopStatusRemarkContent": null,
            "busStopStatusRemarkTitle": null,
            "busStopStatusTime": null,
            "isSuspended": "0"
    },
    {
        "bus": [
            {
                "arrivalTimeInSecond": "496",
                "arrivalTimeText": "8 minutes",
                "busId": "807",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "1096",
                "arrivalTimeText": "18 minutes",
                "busId": "819",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "1696",
                "arrivalTimeText": "28 minutes",
                "busId": "804",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
```

```json
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            },
            {
                "arrivalTimeInSecond": "2338",
                "arrivalTimeText": "38 minutes",
                "busId": "807",
                "busLocation": {
                    "latitude": 0,
                    "longitude": 0
                },
                "busRemark": null,
                "departureTimeInSecond": "0",
                "departureTimeText": "Departing / Departed",
                "isDelayed": "0",
                "isScheduled": "1",
                "lineRef": "K12_EG"
            }
        ],
        "busIcon": null,
        "busStopId": "K12-U030",
        "busStopRemark": null,
        "busStopStatus": null,
        "busStopStatusRemarkContent": null,
        "busStopStatusRemarkTitle": null,
        "busStopStatusTime": null,
        "isSuspended": "0"
    }
    ],
    "caseNumber": 0,
    "caseNumberDetail": "",
    "footerRemarks": "System testing in progress.  Estimated arrival time may vary from actual arrival time.  Please allow sufficient time for travel. Schedule and arrival times are for reference only and are subject to change depending on traffic conditions and service delivery.",
    "routeColour": "",
    "routeName": "K12",
    "routeStatus": "0",
    "routeStatusColour": "black",
    "routeStatusRemarkContent": null,
    "routeStatusRemarkFooterRemark": "",
    "routeStatusRemarkTitle": null,
    "routeStatusTime": "2021/08/24 11:29",
    "status": "0"
}
```