



Hong Kong and Kowloon Ferry Limited
API Specifications

Version 1.2
September 2022

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Version History

Version Number	Revision Details	Revision Date
1.0	Initial Version	30 August 2021
1.1	Update API and Examples	19 September 2022
1.2	Update Route API and Examples	22 September 2022

1. API base URL

All APIs described in this document share the following base URL:

Base URL	https://www.hkkfeta.com
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2. Pier API

Description: This API takes a pier ID and returns the respective pier information.

HTTP Request:

Endpoint	opendata/pier/{pier_id}
HTTP Method	GET

Parameter	Parameter path	Description	required
pier_id	Path	ID represent the pier under HKKF Valid Pier ID are: # 1-Central Pier 4 # 2- Central Pier 6 # 3- Yung Shue Wan # 4-Peng Chau # 5-Sok Kwu Wan # 6-Hei Ling Chau	Y

Sample Request:

opendata/pier/3

HTTP Response:

Response format	JSON
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Response Code	Response
200	Success, show sample response below
422	See message in response body
429	Processing too many requests
500	Internal Server Error

Sample Response:

```
{
  "type": "Pier",
  "version": "1.2",
  "generated_timestamp": "2021-08-01T08:51:44+08:00",
  "data": {
    "pier_id": 3,
    "name_tc": "榕樹灣渡輪碼頭",
    "name_en": "Yung Shue Wan Pier",
    "name_sc": "榕树湾渡轮码头",
    "lat": 22.22652,
    "long": 114.109105
  }
}
```

3. Route API

Description: This API returns a list of all the routes owned by HKKF and their id.

HTTP Request:

Endpoint	opendata/route
HTTP Method	GET

Sample Request:

```
opendata/route
```

HTTP Response:

Response format	JSON
-----------------	------

Response Code	Response
200	Success, show sample response below
422	See message in response body
429	Processing too many requests
500	Internal Server Error

Sample Response:

```
{
```

```
"type":"Route",
"version":"1.2",
"generated_timestamp":"2021-08-01T08:51:44+08:00",
"data":[
  {
    "route_id":1,
    "route_name_en":"Central<=>Yung Shue Wan",
    "route_name_tc":"中環往來索罟灣",
    "route_name_sc":"中环往来索罟灣",
    "origin_en": "Central",
    "origin_tc": "中環",
    "origin_sc": "中环",
    "destination_en": "Sok Kwu Wan",
    "destination_tc": "索罟灣",
    "destination_sc": "索罟湾"
  },
  {
    "route_id":2,
    "route_name_en":" Central<=>Yung Shue Wan",
    "route_name_tc":"中環往來榕樹灣",
    "route_name_sc":"中环往来榕树湾",
    "origin_en": "Central",
    "origin_tc": "中環",
    "origin_sc": "中环",
    "destination_en": "Yung Shue Wan",
    "destination_tc": "榕樹灣",
    "destination_sc": "榕树湾"
  },
  {
    "route_id":3,
    "route_name_en":"Central <=>Peng Chau",
    "route_name_tc":"中環往來坪洲",
    "route_name_sc":"中环往来坪洲",
    "origin_en": "Central",
    "origin_tc": "中環",
    "origin_sc": "中环",
    "destination_en": "Peng Chau",
    "destination_tc": "坪洲",
```

```

        "destination_sc": "坪洲"
    },
    {
        "route_id":4,
        "route_name_en":"Peng Chau <=>Hei Ling Chau",
        "route_name_tc":"坪洲往來喜靈洲",
        "route_name_sc":"坪洲往來喜靈洲",
        "origin_en": "Peng Chau",
        "origin_tc": "坪洲",
        "origin_sc": "坪洲",
        "destination_en": "Hei Ling Chau",
        "destination_tc": "喜靈洲",
        "destination_sc": "喜靈洲"
    }
]
}

```

4. Time table API

Description: This API takes a route ID and returns the latest respective route time table information in CSV format.

HTTP Request:

Endpoint	opendata/time_table/{route_id}/{direction}
HTTP Method	GET

Parameter	Parameter path	Description	required
route_id	Path	ID represent the pier under HKKF Valid company IDs are: # 1- Central Pier 4<->Sok Kwu Wan # 2- Central Pier 4<->Yung Shue Wan # 3- Central Pier 6<->Peng Chau # 4- Peng Chau<->Hei Ling Chau	Y
direction	Path	The direction of the route number as specified above.	Y

		Valid directions are: <ul style="list-style-type: none"> ● inbound - direction towards Origin (e. g. Yung Shue Wan -> Central Pier 4) ● outbound - direction towards destination 	
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Sample Request:

opendata/time_table/1/inbound

HTTP Response:

Response format	CSV
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5. ETA API

Description: This API takes a route ID and route direction. Then it returns all the “estimated time of arrival” (ETA) information of running ferry of the respective route and direction.

HTTP Request:

Endpoint	opendata/eta/{route_id}/{direction}
HTTP Method	GET

Parameter	Parameter path	Description	required
route_id	Path	ID represent the pier under HKKF Valid company IDs are: # 1- Central Pier 4<-> Sok Kwu Wan # 2- Central Pier 4<->Yung Shue Wan # 3- Central Pier 6<->Peng Chau # 4- Peng Chau<->Hei Ling Chau	Y
direction	Path	The direction of the route number as specified above. Valid directions are: <ul style="list-style-type: none"> ● inbound - direction towards Origin (e. g. Yung Shue Wan -> Central Pier 4) 	Y

		● outbound - direction towards destination	
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Sample Request:

opendata/eta/3/inbound

HTTP Response:

Response format	JSON
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Response Code	Response
200	Success, show sample response below
422	See message in response body
429	Processing too many requests
500	Internal Server Error

Sample Response:

```
{
  "type": "ETA",
  "version": "1.2",
  "generated_timestamp": "2022-09-19T12:20:33+08:00",
  "data": [
    {
      "route_id": 3,
      "direction": "inbound",
      "date": "2022-09-19",
      "session_time": "12:15:00",
      "ETA": "2022-09-19T12:49:00+08:00"
    }
  ]
}
```

6. Fare table API

Description: This API takes a route ID. Then it returns the corresponding fare table of Monday to Saturday and Public holiday in CSV format.

HTTP Request:

Endpoint	opendata/fare_table/{route_id}
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HTTP Method	GET
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Parameter	Parameter path	Description	required
route_id	Path	ID represent the pier under HKKF Valid company IDs are: # 1- Central Pier 4<->Sok Kwu Wan # 2- Central Pier 4<->Yung Shue Wan # 3- Central Pier 6<->Peng Chau # 4- Peng Chau<->Hei Ling Chau	Y

Sample Request:

opendata/fare_table/1

HTTP Response:

Response format	CSV
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