



Hong Kong and Kowloon Ferry Limited
API Specifications

Version 1.0
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Content

1.	API base URL	4
2.	Pier API.....	4
3.	Route API.....	5
4.	Time table API	6
5.	ETA API	7
6.	Fare table API	9

Version History

Version Number	Revision Details	Revision Date
1.00	Initial Version	30 August 2021

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": "1.0",
  "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": "1.0",
  "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"
    },
    {
      "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"
    },
    {
      "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"
    },
    {
      "route_id": 4,
      "route_name_en": "Peng Chau <=>Hei Ling Chau",
      "route_name_tc": "坪洲往來喜靈洲",
      "route_name_sc": "坪洲往来喜灵洲"
    }
  ]
}
```

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. Valid directions are: ● inbound - direction towards Origin (e. g. Central Pier 4 ->Yung Shue Wan) ● outbound - direction towards destination	Y

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. Central Pier 4 ->Yung Shue Wan) outbound - direction towards destination 	Y

Sample Request:

opendata/eta/1/inbound

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":"ETA",
  "version":"1.0",
  "generated_timestamp":"2021-08-01T08:21:44+08:00",
  "data":[
    {
      "route_id":1
      "direction":"Inbound",
      "date":"2021-08-01",
      "session_time":"08:00:00",
    }
  ]
}
```



```
"ETA":"2021-08-01T08:22:00+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}
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

Sample Request:

```
opendata/fare_table/1
```

HTTP Response:

Response format	CSV
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