

Estimated time of arrivals of next ferry trip  
Of  
Hong Kong Water Taxi

# API Specification & Data Dictionary

Version 1.0  
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Estimated time of arrivals of next ferry trip

#### Document History

Date	Revision	Description of Change	Author
15-12-2021	1.0	Initial release	Fortune Ferry

## Table of Content

1	Introduction .....	1
2	API Base URL .....	1
3	ETA API .....	2
4	Data Dictionary .....	3

# 1 Introduction

The ETA API is a REST API provides estimated time of arrivals of next ferry trip of Fortune Ferry in JSON format. The Data Dictionary provides the information of the data fields involved, such as field name, data type and field description.

## 2 API Base URL

<http://www.hongkongwatertaxi.com.hk>

## 3 ETA API

Description: This API takes a route code and returns the estimated arrival time of next ferry trip.

HTTP Request:

Endpoint	/eta/?route={route_code}
HTTP Method	GET

Parameter	Parameter Type	Description	Required
route_code	Path	Route Code Valid route code are: WATERTAXI : Water Taxi HHTEC : Hung Hom – Tsim Sha Tsui East TECCL : Tsim Sha Tsui East - Central CLTTEH : Central - Tsim Sha Tsui East TEHHHT : Tsim Sha Tsui East – Hung Hom CLWK : Central – West Kowloon WKTEC : West Kowloon - Tsim Sha Tsui East TECCLT : Tsim Sha Tsui East – Central	Y

Sample Request:

/eta/?route=WATERTAXI
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HTTP Response:

Response format	JSON
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Response Code	Response
200	Success, see sample response below
422	Invalid route code
500	Internal server error

Sample Response:

```
{
  • type: "ETA",
  • version: "1.0",
  • generated_timestamp: "2021-02-22T11:39:02+08:00",
  • data:

    [

      ○ {
        ▪ route_en: "Hung Hom - Tsim Sha Tsui East",
        ▪ route_tc: "紅磡 - 尖沙咀東",
        ▪ route_sc: "红磡 - 尖沙咀东",
        ▪ vesselcode: "HONG KONG WATER TAXI",
        ▪ depart_time: "13:30",
        ▪ eta: "13:50",
        ▪ lat: "22.251367",
        ▪ lng: "114.067817",
        ▪ rmk_en: null,
        ▪ rmk_tc: null,
        ▪ rmk_sc: null,
        ▪ date_timestamp: "2021-02-22T11:39:02+08:00",

      }

    ],

}
```

## 4 Data Dictionary

Below is the list of data fields involved in the ETA API.

Field Name	Data Type	Field Description	Field Definition (if applicable)	Example
type	String	The data type of the JSON returned	"ETA" : Estimated time of arrival of departed ferry trip	type: "ETA",
version	String	The version number of the JSON returned.	The version number in major and minor versioning format.	"version": "1.0"

Estimated time of arrivals of next ferry trip

generated_timestamp	String	The timestamp of the initial generated time of the response before it is cached.	Date time with time zone in ISO 8601 format.	"generated_timestamp ": "2021-03-28T13:28:00+08:00"
data	Object Array	An array of object of the data requested. Each object represents an estimated time of arrival.	The object consists of the following fields: route_en route_tc route_sc vesselcode depart_time eta rmk_en rmk_tc rmk_sc data_timestamp	"data":[ { "route_en": " Hung Hom to Tsim Sha Tsui East", "route_tc": "紅磡 往尖沙咀東", "route_sc": "紅磡 往尖沙咀东", "vesselcode": "HONG KONG WATER TAXI", "depart_time": "16:15", "eta": "2021-03- 28T17:15:00+08:0 0", "rmk_en": "[]", "rmk_tc": "[]" "rmk_sc": "[]" "data_timestamp" : "2020-10- 12T16:28:00+08:0 0" } ]
route_en	String	The sailing route of the scheduled departure in English.	Possible values: ● "Hung Hom to Tsim Sha Tsui East"	"route_en": "Hung Hom to Tsim Sha Tsui East",
route_tc	String	The sailing route of the scheduled departure in Simplified.	Possible values: ● "紅磡 往尖沙咀東"	"route_tc": "紅磡 往尖沙咀東"
route_sc	String	The sailing route of the scheduled departure in Traditional Chinese.	Possible values: ● "紅磡 往尖沙咀东"	"route_sc": "紅磡 往尖沙咀东"

Estimated time of arrivals of next ferry trip

Vesselcode	String	The code of vessel deployed for the schedule		
depart_time	String	Scheduled Departure Time	24 Hours based time format	"depart_time": "16:15"
eta	String	The timestamp of the estimated time of arrival of the scheduled departure	Date time with time zone in ISO 8601 format.	"eta": "2021-03-28T17:15:00+08:00"
rmk_en	String	Remark of an ETA in English.		
rmk_tc	String	Remark of an ETA in Simplified Chinese.		
rmk_sc	String	Remark of an ETA in Traditional Chinese.		
data_timestamp	String	The timestamp of the initial generated time of the object.	Date time with time zone in ISO 8601 format.	"data_timestamp": "2020-10-12T16:28:00+08:00"