

Estimated time of arrivals of next ferry trip
Of
Sun Ferry Services Company Limited

API Specification & Data Dictionary

Version 1.0
June 2021

Estimated time of arrivals of next ferry trip

Document History

Date	Revision	Description of Change	Author
30-06-2021	1.0	Initial release	IT Sun Ferry

Table of Content

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

1 Introduction

The ETA API is a REST API provides estimated time of arrivals of next ferry trip of Sun 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

<https://www.sunferry.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: CECC : Central - Cheung Chau CCCE : Cheung Chau - Central CEMW : Central - Mui Wo MWCE : Mui Wo - Central NPHH : North Point - Hung Hom HHNP : Hung Hom - North Point NPKC : North Point - Kowloon City KCNP : Kowloon City - North Point IIPCEMUW : Peng Chau - Mui Wo IIMUWPEC : Mui Wo - Peng Chau IIMUWCMW : Mui Wo - Chi Ma Wan IICMWMUW : Chi Ma Wan - Mui Wo IICMWCHC : Chi Ma Wan - Cheung Chau IICHCCMW : Cheung Chau - Chi Ma Wan IICHCMUW : Cheung Chau - Mui Wo IIMUWCHC : Mui Wo - Cheung Chau	Y

Sample Request:

/eta/?route=IIMUWCMW

HTTP Response:

Estimated time of arrivals of next ferry trip

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

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: "Cheung Chau - Central",
        ▪ route_tc: "長洲 - 中環",
        ▪ route_sc: "长洲 - 中环",
        ▪ vesselcode: "CHAO",
        ▪ depart_time: "11:15",
        ▪ eta: "12:05",
        ▪ 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"
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":[{ "route_en": "Central to Cheung Chau", "route_tc": "中環 往長洲", "route_sc": "中環 往長洲", "vesselcode": "FF8", "depart_time": "16:15", "eta": "2021-03- 28T17:15:00+08:00", "rmk_en": "[]", "rmk_tc": "[]"

Estimated time of arrivals of next ferry trip

			data_timestamp	<pre> "rmk_sc": "[]" "data_timestamp" : "2020-10- 12T16:28:00+08:00" }] </pre>
route_en	String	The sailing route of the scheduled departure in English.	<p>Possible values:</p> <ul style="list-style-type: none"> ● "Central to Cheung Chau" ● "Cheung Chau to Central" ● "Central to Mui Wo" ● "Mui Wo to Central" ● "Inter Islands (Peng Chau - Mui Wo)" ● "Inter Islands (Mui Wo - Peng Chau)" ● "Inter Islands (Mui Wo - Chi Ma Wan)" ● "Inter Islands (Chi Ma Wan - Mui Wo)" ● "Inter Islands (Chi Ma Wan - Cheung Chau)" ● "Inter Islands (Cheung Chau - Chi Ma Wan)" ● "Inter Islands (Cheung Chau - Mui Wo)" 	"route_en": "Central to Cheung Chau",

Estimated time of arrivals of next ferry trip

			<ul style="list-style-type: none"> ● "Mui Wo to Cheung Chau" ● "North Point to Hung Hom" ● "Hung Hom to North Point" ● "North Point to Kowloon City" ● "Kowloon City to North Point" 	
route_tc	String	The sailing route of the scheduled departure in Simplified.	<p>Possible values:</p> <ul style="list-style-type: none"> ● "中環 - 長洲" ● "長洲 - 中環" ● "中環 - 梅窩" ● "梅窩 - 中環" ● "橫水渡 - (坪洲-梅窩)" ● "橫水渡 - (梅窩-坪洲)" ● "橫水渡 - (梅窩-芝麻灣)" ● "橫水渡 - (芝麻灣-梅窩)" ● "橫水渡 - (芝麻灣-長洲)" ● "橫水渡 - (長洲-芝麻灣)" ● "橫水渡 - (長洲-梅窩)" ● "橫水渡 - (梅窩-長洲)" ● "北角 - 紅磡" ● "紅磡 - 北角" ● "北角 - 九龍城" ● "九龍城 - 北 	"route_tc": "中環往長洲"

Estimated time of arrivals of next ferry trip

			角"	
route_sc	String	The sailing route of the scheduled departure in Traditional Chinese.	Possible values: <ul style="list-style-type: none"> ● "中环 - 长洲" ● "长洲 - 中环" ● "中环 - 梅窝" ● "梅窝 - 中环" ● "横水渡 - (坪洲-梅窝)" ● "横水渡 - (梅窝-坪洲)" ● "横水渡 - (梅窝-芝麻湾)" ● "横水渡 - (芝麻湾-梅窝)" ● "横水渡 - (芝麻湾-长洲)" ● "横水渡 - (长洲-芝麻湾)" ● "横水渡 - (长洲-梅窝)" ● "横水渡 - (梅窝-长洲)" ● "北角 - 红磡" ● "红磡 - 北角" ● "北角 - 九龙城" ● "九龙城 - 北角" 	"route_sc": "中环往长洲"
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	Date time with time zone in	"eta": "2021-03-28T17:15:00+08:00"

Estimated time of arrivals of next ferry trip

		time of arrival of the scheduled departure	ISO 8601 format.	
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"