

Real time ETA API

Of

Hong Kong and Kowloon Ferry Limited

Data Dictionary

Version History

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

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1 Introduction

This is the Data Dictionary of a RESTful API which returns result in JSON/CSV format. The API provides information of Hong Kong and Kowloon Ferry Limited (HKKF) such as pier information, fare table, timetable and estimated arrival time (ETA).

This Data Dictionary provides the detail information of the data fields.

2 Data Dictionary

Below is the list of data fields of main tables involved in the API

2.1 Pier

Data Field	Data Type	Description	Definition	Example
type	String	The corresponding API that returns the data.	The value will always be "Pier".	"type": "Pier"
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 ": "2021-02- 17T11:27:24+08:00"
data	Object	The object that of the data requested.	The object consists of the following fields: <ul style="list-style-type: none">• pier_id	"data": { "pier_id": "1", "name_tc": "榕樹灣", "name_en": " Yung Shue

			<ul style="list-style-type: none"> • name_en • name_tc • name_sc • lat • long 	Wan", "name_sc": "榕树湾", "lat": 22.226216, "long": 114.108561, }
pier_id	String	The ID of the pier.		"pier_id": "1"
name_tc	String	The name of a bus stop, in Traditional Chinese.		"name_tc": "榕樹灣"
name_en	String	The name of a bus stop, in English.		"name_en": "Yung Shue Wan"
name_sc	String	The name of a bus stop, in Simplified Chinese.		"name_sc": "榕树湾"
lat	Numeric	Latitude of a pier location.		"lat": 22.22096
long	Numeric	Longitude of a pier location.		"long": 114.10997

2.2 Route API

Data Field	Data Type	Description	Definition	Example
type	String	The corresponding API that returns the data.	The value will always be “Route”.	"type": "Route"
version	String	The version number of the JSON returned.	The version number in major and minor	"version": "1.0"

			versioning format.	
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 ": "2021-02-17T11:27:24+08:00"
data	Object	An array of object of the data requested. Each object is data of a route.	The object consists of the following fields: <ul style="list-style-type: none"> • route_id • route_name_en • route_name_tc • route_name_sc 	"data": [{"route_id": "0", "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	String	The ID of the route.		"route_id": "1"
route_name_en	String	The name of the route in English		"route_name_en": "Central<=> Sok Kwu Wan "
route_name_tc	String	The name of the route in Traditional Chinese		"route_name_tc": "中環往來索罟灣"

route_name_sc	String	The name of the route in Simplified Chinese		"route_name_sc": "中环往来索罟湾"
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2.3 Timetable

Data Field	Description	Example
route_id	The ID of the route.	1
direction	The direction of the route.	Inbound
origin_en	The origin of the route in English.	Central
origin_tc	The origin of the route in Traditional Chinese.	中環
origin_sc	The origin of the route in Simplified Chinese.	中环
destination_en	The destination of the route in English.	Sok Kwu Wan
destination_tc	The destination of the route in Traditional Chinese.	索罟灣
destination_sc	The destination of the route in Simplified Chinese.	索罟湾
remarks_en	Remark of the timetable in English.	^ Last sailing and no freight service; @ Optional Service
remarks_tc	Remark of the timetable in Traditional Chinese.	^尾班船及不設載貨服務;@必要時加班服務
remarks_sc	Remark of the timetable in Simplified Chinese.	^尾班船及不設載貨服務; @必要时加班服务
Monday to Saturday	The session time list for Monday to Saturday	["07:20", "08:35", "10:20", "11:50", "13:50", "15:20", "16:50", "18:45", "20:20", "21:50", "23:30"]
Sunday and Public Holidays	The session time list for Sunday and Public Holidays	["07:20", "08:35", "10:20", "11:50", "12:50", "13:50", "14:35", "15:20", "16:05", "16:50", "17:35", "18:45", "19:20", "20:20", "21:50",

		“23:30”]
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2.4 ETA

Data Field	Data Type	Description	Definition	Example
type	String	The corresponding API that returns the data.	The value will always be “ETA”	"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 ": "2021-08-31T15:37:24+08:00"
data	Object	An array of object of the data requested. Each object is data of the type of eta.	The object consists of the following fields: <ul style="list-style-type: none"> route_id direction date session_time eta 	“data” : { "route_id": "1", "direction": "Inbound", "date": "2021-08-31", "session_time": "15:40:00", "eta": "2021-08-31T16:05:00+08:00" }
route_id	String	The ID of the route.		“route_id”:”1”
direction	String	The direction of the route		"direction": "inbound"
date	String	The date of the session		"date ": "2021-08-31"
session_time	String	The session time of the session		"session_time": "15:40:00"

ETA	String	ETA of the session	"eta": "2021-08-31T16:05:00+08:00"
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2.5 Fare Table

Data Field	Description	Example
type	The ticket type of the ferry service.	Ticket include: <ul style="list-style-type: none"> - monthly_ticket - student_monthly_ticket - multi_ride_ticket - adult - adult(fast ferry) - child - child(fast ferry) - elderly - elderly(fast ferry) - child under 3 - child under 3 (fast ferry)
Monday to Saturday	The price of the ticket type on Monday to Saturday.	23.1
Sunday and Public Holidays	The price of the ticket type on Sunday and Public Holidays.	32.5