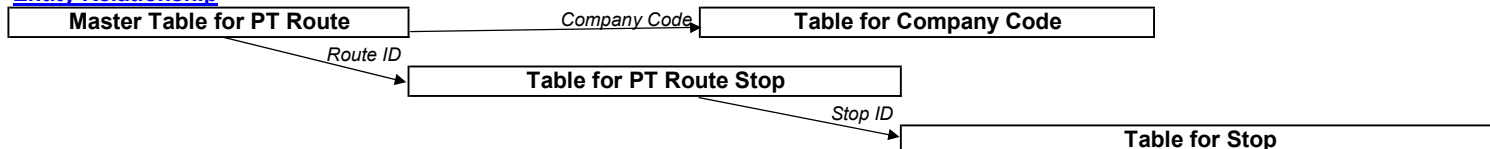


**Routes and Fares of Public Transport
Data Specification (as of 22 May 2020)**

Tables

		filename prefix
1	Master Table for PT Route	ROUTE
2	Table for PT Route Stop	RSTOP
3	Table for Stop	STOP
4	Table for Fare	FARE
5	Table for Company Code	COMPANY_CODE

Entity Relationship



Master Table for PT Route

Field	Data Type	Description
ROUTE_ID	Integer	Route ID e.g. KMB, GMB
COMPANY_CODE	String	please refer to the remark of Company Code # below and code table "Company_Code"
DISTRICT	String	HKI, KLN, NT (only applicable for GMB)
ROUTE_NAMEC	String	Route Name in Chinese
ROUTE_NAMES	String	Route Name in Simplified Chinese
ROUTE_NAMEE	String	Route Name in English
ROUTE_TYPE	Integer	1=bus(巴士), 2=GMB(專線小巴), 4=tram(電車), 5=peak tram(山頂纜車), 7=ferry(渡輪)
SERVICE_MODE	String	A=whole, N=night, NT=night & specific time, R=regular/day, T=regular & specific time
SPECIAL_TYPE	Integer	0=Not applicable, 1=Time or day specific services (特定時段或非每天服務路線), 2=Separate fare for weekend and Public Holidays (設假日及公眾假期收費), 3=Time or day specific and separate fare for weekend and PHs (特定時段或非每天服務路線及設假日及公眾假期收費)
JOURNEY_TIME	Integer	Journey Time
FULL_FARE	Numeric	Full fare
LOC_START_NAMEC	String	Starting Point Location Name in Chinese
LOC_START_NAMES	String	Starting Point Location Name in Simplified Chinese
LOC_START_NAMEE	String	Starting Point Location Name in English
LOC_END_NAMEC	String	End Point Location Name in Chinese
LOC_END_NAMES	String	End Point Location Name in Simplified Chinese
LOC_END_NAMEE	String	End Point Location Name in English
HYPERLINK_C	String	Headway hyperlink in Chinese
HYPERLINK_S	String	Headway hyperlink in Simplified Chinese
HYPERLINK_E	String	Headway hyperlink in English
LAST_UPDATE_DATE	Datetime	Date and time of last update

# COMPANY_CODE			# COMPANY_CODE		
CTB	城巴	City Bus	PI	馬灣巴士	Ma Wan Bus
KMB	九巴	Kowloon Motor Bus	DB	愉景灣巴士	Discovery Bay Bus
NWFB	新巴	New World First Bus	XB	落馬洲/皇崗過境巴士	LMC Cross Boundary Coach
LWB	龍運巴士	Long Win Bus	LRTFeeder	港鐵巴士	Mass Transit Railway Feeder Bus
NLB	新大嶼山巴士	New Lantao Bus	GMB	專線小巴	Green Minibus
KMB+CTB	九巴/城巴	Joint Operation of KMB & CTB	FERRY	渡輪	Ferry
KMB+NWFB	九巴/新巴	Joint Operation of KMB & NWFB	PTRAM	山頂纜車	Peak Tram
LWB+CTB	龍運/城巴	Joint Operation of LWB & CTB	TRAM	電車	Tram

Delta change

Field	Description
ROUTE_ID	Route ID
CHANGE	Add / Update / Delete

Delta changes are compiled in csv format

Table for PT Route Stop

Field	Data Type	Description
ROUTE_ID	Integer	Route ID
ROUTE_SEQ	Integer	1 = inbound or circular route; 2 = outbound
STOP_SEQ	Integer	Stop sequence of a route
STOP_ID	Integer	Stop ID
STOP_NAMEEC	String	Stop name in Traditional Chinese
STOP_NAMES	String	Stop name in Simplified Chinese
STOP_NAMEEE	String	Stop name in English
LAST_UPDATE_DATE	Datetime	Date and time of last update

Remark

GMB route includes the first and last stop (terminus) only.

Delta change

Field	Description
ROUTE_ID	Route ID
ROUTE_SEQ	1 = inbound or circular route; 2 = outbound
CHANGE	Add / Update / Delete

Delta changes are compiled in csv format

On each delta change record, Route ID with its Route Sequence (or known as Bound) indicates changes occurred in all of its stops

Table for Stop

Field	Data Type	Description
STOP_ID	Integer	Stop ID
STOP_TYPE	Integer	1=bus, 2=GMB, 5=tram, 6=peak tram, 8=ferry
X	Integer	x-coordinate of stop location *
Y	Integer	y-coordinate of stop location *
LAST_UPDATE_DATE	Datetime	Date and time of last update

* Stop coordinates are provided in Hong Kong 1980 Grid system
(reference: https://www.geodetic.gov.hk/tc/gi/grid_index.htm)

Delta change

Field	Description
STOP_ID	Stop ID
CHANGE	Add / Update / Delete

Delta changes are compiled in csv format

Table for Fare

Field	Data Type	Description
ROUTE_ID	Integer	Route ID
ROUTE_SEQ	Integer	1 = inbound or circular route; 2 = outbound
DAY_CODE	Integer	31 = Fare applicable to Mondays to Fridays only (except Public Holidays and School Holidays) 63 = Fare applicable to Mondays to Saturdays only (except Public Holidays and School Holidays) 266 = Fare applicable to Tuesdays and Thursdays only (except Public Holidays) 271 = Fare applicable to Mondays to Thursdays only (except Public Holidays) 272 = Fare applicable to Fridays only (except Public Holidays) 287 = Fare applicable to Mondays to Fridays only (except Public Holidays) 288 = Fare applicable to Saturdays only (except Public Holidays) 319 = Fare applicable to Mondays to Saturdays only (except Public Holidays) 320 = Fare applicable to Sundays only (except Public Holidays) 415 = Fare applicable to Mondays to Fridays only 416 = Fare applicable to Saturdays and Public Holidays only 447 = Fare applicable to Mondays to Saturdays only 448 = Fare applicable to Sundays and Public Holidays only 480 = Fare applicable to Saturdays, Sundays and Public Holidays only 511 = Fare applicable to All Days
ON_SEQ	Integer	Stop sequence of pick-up stop
OFF_SEQ	Integer	Stop sequence of drop-off stop
PRICE	Numeric	Fare from pick-up stop to drop-off stop
LAST_UPDATE_DATE	Datetime	Date and time of last update

Fare is available to Bus, Ferry, Peak Tram and Tram routes only

Delta change

Field	Description
ROUTE_ID	Route ID
ROUTE_SEQ	1 = inbound or circular route; 2 = outbound
CHANGE	Add / Update / Delete

Delta changes are compiled in csv format

Table for Company Code

Field	Data Type	Description
COMPANY_CODE	String	Company / Operator code
COMPANY_NAMEC	String	Company / Operator name in Chinese
COMPANY_NAMES	String	Company / Operator name in Simplified Chinese
COMPANY_NAMEE	String	Company / Operator name in English
DESCRIPTION	String	Description of company code, for reference