

Examples of OMD-C retransmission (RTS) setup

Example: 1

An OMD-C client applies for 3 sets of OMD-C connection circuits each separately for Securities Standard (SS), Securities Premium (SP) and Securities Full Tick (SF). 3 RTS IDs each with a set of 2 allowable IP addresses will be assigned in total. Since the connections to the 3 datafeed products are via different sets of circuits (i.e. different subnets), Each of the 3 RTS IDs can only be used to recover the lost data of its respective datafeed product but not the other 2.

Connection Circuit Set	Datafeed	SS	SP	SF	Remarks
1	Datafeed subscribed	✓	-	-	RTS ID 1 can be used to recover SS data only
	RTS ID Granted & Client Privilege	RTS ID 1 2 allowable IPs: X.X.X.1 & X.X.X.2	-	-	
2	Datafeed subscribed	-	✓	-	RTS ID 2 can be used to recover SP data only
	RTS ID Granted & Client Privilege	-	RTS ID 2 2 allowable IPs: Y.Y.Y.1 & Y.Y.Y.2	-	
3	Datafeed subscribed	-	-	✓	RTS ID 3 can be used to recover SF data only
	RTS ID Granted & Client Privilege	-	-	RTS ID 3 2 allowable IPs: Z.Z.Z.1 & Z.Z.Z.2	

Example: 2

An OMD-C client applies for 3 sets of OMD-C connection circuits. The first set is for SS + SP; the second for SP + SF and the last for SS + SP + SF. That means the client subscribes for 2 sets of SS, 3 sets of SP and 2 sets of SF in total and therefore will be granted for 7 RTS IDs each with 1 set of 2 allowable IP addresses. According to the same principle as above, the scopes of access for the 7 RTS IDs are as stated in the “Remarks” column in the table below:

Connection Circuit Set	Datafeed	SS	SP	SF	Remarks
1	Datafeed subscribed	✓	✓	-	RTS ID 1 & RTS ID 2 are under the same subnet X and both can be used to recover both SS and SP data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 1 2 allowable IPs: X.X.X.1 & X.X.X.2		-	
2	Datafeed subscribed	-	✓	✓	RTS ID 3 & RTS ID 4 are under the same subnet Y and both can be used to recover both SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	-	RTS ID 3 2 allowable IPs: Y.Y.Y.1 & Y.Y.Y.2		
3	Datafeed subscribed	✓	✓	✓	RTS ID 5, RTS ID6 & RTS ID 7 are under the same subnet Z and all 3 can be used to recover SS, SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 5 2 allowable IPs: Z.Z.Z.1 & Z.Z.Z.2			
		RTS ID 6 2 allowable IPs: Z.Z.Z.3 & Z.Z.Z.4			
		RTS ID 7 2 allowable IPs: Z.Z.Z.5 & Z.Z.Z.6			

Illustrations and fees implication of additional OMD-C retransmission (RTS) with/without IP addresses

Scenario 1 (additional RTS ID with 1 set of 2 allowable IP addresses):

Following Example 2 above, the client requests for an additional RTS ID with 1 set of 2 allowable IP addresses in connection circuit set 1 and the client will use this new RTS ID to recover data from SP. HKEx will assign a new RTS ID with 2 allowable IP addresses under the same subnet as those in the connection circuit set 1. Please note in this case the client is subject to the connection fee for SP.

Connection Circuit Set	Datafeed	SS	SP	SF	Remarks
1	Datafeed subscribed	✓	✓	-	RTS ID 1, RTS ID2 & RTS ID 8 are under the same subnet X and all 3 can be used to recover both SS and SP data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 1 2 allowable IPs: X.X.X.1 & X.X.X.2		-	
		RTS ID 2 2 allowable IPs: X.X.X.3 & X.X.X.4			
		RTS ID 8¹ 2 allowable IPs: X.X.X.5 & X.X.X.6			
2	Datafeed subscribed	-	✓	✓	RTS ID 3 & RTS ID 4 are under the same subnet Y and both can be used to recover both SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 3 2 allowable IPs: Y.Y.Y.1 & Y.Y.Y.2			
		RTS ID 4 2 allowable IPs: Y.Y.Y.3 & Y.Y.Y.4			
3	Datafeed subscribed	✓	✓	✓	RTS ID 5, RTS ID6 & RTS ID 7 are under the same subnet Z and all 3 can be used to recover SS, SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 5 2 allowable IPs: Z.Z.Z.1 & Z.Z.Z.2			
		RTS ID 6 2 allowable IPs: Z.Z.Z.3 & Z.Z.Z.4			
		RTS ID 7 2 allowable IPs: Z.Z.Z.5 & Z.Z.Z.6			

Footnote 1:

Fees implication: Additional Connection Fee of HK\$91,000 per quarter (being the Connection Fee for additional set of standard connection for the SP feed)

Scenario 2 (additional RTS ID with 1 set of 2 allowable IP addresses):

Following Scenario 1, the client requests for an additional RTS ID with 1 set of 2 allowable IP addresses in connection circuit set 3 and the client will use this new RTS ID to recover data from SP only. HKEx will assign a new RTS ID with 2 allowable IP addresses under the same subnet as those in the connection circuit set 3. Please note in this case the new RTS ID is subject to the connection fee for SP and cannot be used to recover SF data.

Connection Circuit Set	Datafeed	SS	SP	SF	Remarks
1	Datafeed subscribed	✓	✓	-	RTS ID 1, RTS ID2 & RTS ID 8 are under the same subnet X and all 3 can be used to recover both SS and SP data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 1 2 allowable IPs: X.X.X.1 & X.X.X.2		-	
		RTS ID 2 2 allowable IPs: X.X.X.3 & X.X.X.4			
		RTS ID 8 2 allowable IPs: X.X.X.5 & X.X.X.6			
2	Datafeed subscribed	-	✓	✓	RTS ID 3 & RTS ID 4 are under the same subnet Y and both can be used to recover both SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 3 2 allowable IPs: Y.Y.Y.1 & Y.Y.Y.2			
		RTS ID 4 2 allowable IPs: Y.Y.Y.3 & Y.Y.Y.4			
3	Datafeed subscribed	✓	✓	✓	RTS ID 5, RTS ID6 & RTS ID 7 are under the same subnet Z and all 3 can be used to recover SS, SP and SF data within the same circuit set RTS ID 9 is also under the same subnet Z and it can be used to recover SS and SP data within the same circuit set (since the RTS ID is generic, even though the client is applying for a new RTS ID to recover data from SP only, it is also allowed to use the same RTS ID to recover the data from SS feed)
	RTS ID Granted & Client Privilege	RTS ID 5 2 allowable IPs: Z.Z.Z.1 & Z.Z.Z.2			
		RTS ID 6 2 allowable IPs: Z.Z.Z.3 & Z.Z.Z.4			
		RTS ID 7 2 allowable IPs: Z.Z.Z.5 & Z.Z.Z.6			
		RTS ID 9 ² 2 allowable IPs: Z.Z.Z.7 & Z.Z.Z.8			

Footnote 2:

Fees implication: Additional Connection Fee of HK\$91,000 per quarter (being the Connection Fee for additional set of standard connection for the SP feed)

Scenario 3 (additional RTS ID only):

Following Scenario 2, the client further requests for an additional RTS ID only (i.e. without IP addresses) in the connection circuit 2. HKEx will assign a new RTS ID that shares the same set of allowable IP addresses with RTS ID 4 (or subject to client's preferred sharing IP addresses set). Please note that in this case the new RTS ID is subject to the connection fee of SP only but it can be used to recover SP and SF data.

Remarks: Client can request HKEx to specifically assign the new RTS ID to the same set of allowable IP addresses with one of the existing RTS ID (e.g. in this case, RTS ID 3 or RTS ID 4)

Connection Circuit Set	Datafeed	SS	SP	SF	Remarks
1	Datafeed subscribed	✓	✓	-	RTS ID 1, RTS ID2 & RTS ID 8 are under the same subnet X and all 3 can be used to recover both SS and SP data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 1 2 allowable IPs: X.X.X.1 & X.X.X.2		-	
		RTS ID 2 2 allowable IPs: X.X.X.3 & X.X.X.4			
		RTS ID 8 2 allowable IPs: X.X.X.5 & X.X.X.6			
2	Datafeed subscribed	-	✓	✓	RTS ID 3, RTS ID 4 & RTS ID 10 are under the same subnet Y and all 3 can be used to recover both SP and SF data within the same circuit set
	RTS ID Granted & Client Privilege	-	RTS ID 3 2 allowable IPs: Y.Y.Y.1 & Y.Y.Y.2		
			RTS ID 4 + RTS ID 10 (newly added) ³ 2 allowable IPs: Y.Y.Y.3 & Y.Y.Y.4		
3	Datafeed subscribed	✓	✓	✓	RTS ID 5, RTS ID6 & RTS ID 7 are under the same subnet Z and all 3 can be used to recover SS, SP and SF data within the same circuit set RTS ID 9 is also under the same subnet Z and it can be used to recover SS and SP data within the same circuit set
	RTS ID Granted & Client Privilege	RTS ID 5 2 allowable IPs: Z.Z.Z.1 & Z.Z.Z.2			
		RTS ID 6 2 allowable IPs: Z.Z.Z.3 & Z.Z.Z.4			
		RTS ID 7 2 allowable IPs: Z.Z.Z.5 & Z.Z.Z.6			
		RTS ID 9 2 allowable IPs: Z.Z.Z.7 & Z.Z.Z.8			

Footnote 3:

Fees implication: Additional Connection Fee of HK\$91,000 per quarter (being the Connection Fee for additional set of standard connection for the SP feed)