

Annex 1

	<b>Cross-Harbour Tunnel</b>	<b>Aberdeen Tunnel</b>	<b>Shing Mun Tunnels</b>	<b>Tseung Kwan O Tunnel</b>	<b>Cheung Tsing Tunnel</b>	<b>Tuen Mun – Chek Lap Kok Tunnel</b>
Year of last fire services system upgrade	2025	2021	2025	2023	2022	2020
No. of break glass devices (tubes)	156	76	203	32	106	343
No. of emergency telephones (tubes)	168	76	200	32	70	233
No. of emergency exits (tubes)	18	3	23	8	17	57
No. of fire extinguishers (tubes)	234	228	400	64	140	686
No. of ventilation / jet fans (tubes)	20	8	88	40	72	28
No. of recovery vehicles and patrol cars	12	6	8	7	11	11
No. of hose reels (tubes)	- <sup>1</sup>	- <sup>1</sup>	103	32	72	230
No. of fire hydrants (tubes)	76	38	50	16	36	236
Others (as specified)	-	-	-	-	6 heat sensors	8 linear heat sensors

<sup>1</sup> Owing to the constraints imposed by the original design and the geographical conditions, hose reels could not be installed inside the tunnel tubes. Hoses are stored on the patrol cars or recovery vehicles.

	<b>Eagle's Nest Tunnel</b>	<b>Sha Tin Heights Tunnel</b>	<b>Tai Wai Tunnel</b>	<b>Eastern Harbour Crossing</b>	<b>Nam Wan Tunnel</b>	<b>Central – Wan Chai Bypass Tunnel</b>
Year of last fire services system upgrade	2007	2007	2007	1989 <sup>2</sup>	2007	2019
No. of break glass devices (tubes)	172	84	49	156	76	199
No. of emergency telephones (tubes)	92	44	33	108	54	196
No. of emergency exits (tubes)	21	10	3	26	12	54
No. of fire extinguishers (tubes)	344	176	98	324	152	376
No. of ventilation / jet fans (tubes)	37	18	33	30	58	18
No. of recovery vehicles and patrol cars	13 <sup>3</sup>			10	12	7
No. of hose reels (tubes)	86	42	31	102	50	202
No. of fire hydrants (tubes)	172	84	62	54	100	190
Others (as specified)	2 linear heat sensors	2 linear heat sensors	2 linear heat sensors	-	4 linear heat sensors	98 linear heat sensors

<sup>2</sup> The fire services system of Eastern Harbour Crossing is being replaced and is expected to be completed within 2027.

<sup>3</sup> Shared by the three road tunnels.

	<b>Scenic Hill Tunnel</b>	<b>Airport Tunnel</b>	<b>Lung Shan Tunnel</b>	<b>Cheung Shan Tunnel</b>	<b>Tate's Cairn Tunnel</b>	<b>Western Harbour Crossing</b>
Year of last fire services system upgrade	2018	2018	2019	2019	1991 <sup>4</sup>	1997
No. of break glass devices (tubes)	116	22	304	52	160	124
No. of emergency telephones (tubes)	48	14	204	36	156	84
No. of emergency exits (tubes)	11	9	49	7	24	21
No. of fire extinguishers (tubes)	144	44	608	104	320	168
No. of ventilation / jet fans (tubes)	26	12	24	12	16	46
No. of recovery vehicles and patrol cars	8 <sup>5</sup>		12 <sup>5</sup>		12	14
No. of hose reels (tubes)	48	16	204	34	82	82
No. of fire hydrants (tubes)	22	8	204	36	78	42
Others (as specified)	2 linear heat sensors	2 linear heat sensors	4 linear heat sensors	2 linear heat sensors	68 heat sensors	-

<sup>4</sup> The fire services system of Tate's Cairn Tunnel is being replaced and is expected to be completed within 2026.

<sup>5</sup> Shared by the two road tunnels.

	<b>Lion Rock Tunnel</b>	<b>Kai Tak Tunnel</b>	<b>Tai Lam Tunnel</b>	<b>Tseung Kwan O – Lam Tin Tunnel</b>	<b>Central Kowloon Bypass (Yau Ma Tei Section Tunnel)</b>
Year of last fire services system upgrade	2020	2023	1998	2022	2025
No. of break glass devices (tubes)	32	87	150	123	283
No. of emergency telephones (tubes)	56	87	152	108	188
No. of emergency exits (tubes)	- <sup>6</sup>	21	36	30	46
No. of fire extinguishers (tubes)	56	164	304	216	566
No. of ventilation / jet fans (tubes)	68	31	39	16	62
No. of recovery vehicles and patrol cars	6	6	13	9	10
No. of hose reels (tubes)	32	45	150	107	196
No. of fire hydrants (tubes)	32	46	152	54	196
Others (as specified)	-	-	201 heat sensors	4 linear heat sensors	<ul style="list-style-type: none"> <li>• 8 linear heat sensors</li> <li>• A drencher system is installed near the Yau Ma Tei Portal to prevent smoke from entering the other tunnel tube during fire.</li> </ul>

<sup>6</sup> Owing to the constraints imposed by the original design and the geographical conditions, there are insurmountable technical problems to install emergency exits in Lion Rock Tunnel. To enhance the safety standard, a drencher system was installed in the Lion Rock Tunnel in 1997. The Tunnel is also equipped with numerous jet fans for rapidly extract smoke in case of fire.