

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
4.1	4.1.1	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital Before; Reported as at quarter end	2022-03-31	HKD284,950,003.00	4.1 - SEOCH retains a single Reserve Fund for its different products.  4.1.1 - The amount of own capital is equivalent to DFCCP (as defined in BCBS 282) as the CCP's prefunded own resources which are contributed to the default waterfall, where these are junior or pari passu to prefunded member contributions. The reported amount included SEOCH own capital (of HKD171,376,003) and accumulated interest income earned on Reserve Fund Contributions. While interest income does not represent SEOCH's prefunded own resources, interest income are junior to member contributions in the default waterfall, hence this amount is reported in this component. The value of DFCCP is consistent with that used in the calculation of KCCP reported in 4.2.1.	2021-12-31	HKD314,395,643.00	4.1 - SEOCH retains a single Reserve Fund for its different products.  4.1.1 - The amount of own capital is equivalent to DFCCP (as defined in BCBS 282) as the CCP's prefunded own resources which are contributed to the default waterfall, where these are junior or pari passu to prefunded member contributions. The reported amount included SEOCH own capital (of HKD200,897,643) and accumulated interest income earned on Reserve Fund Contributions. While interest income does not represent SEOCH's prefunded own resources, interest income are junior to member contributions in the default waterfall, hence this amount is reported in this component. The value of DFCCP is consistent with that used in the calculation of KCCP reported in 4.2.1.
4.1	4.1.2	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital Alongside; Reported as at quarter end	2022-03-31	HKD0.00		2021-12-31	HKD0.00	
4.1	4.1.3	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Own Capital After; Reported as at quarter end	2022-03-31	HKD0.00		2021-12-31	HKD0.00	
4.1	4.1.4	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Aggregate Participant Contributions - Required; Reported as at quarter end	2022-03-31	HKD1,420,857,024.00		2021-12-31	HKD1,694,609,787.00	
4.1	4.1.5	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Aggregate Participant Contributions - Post-Haircut Posted; Reported as at quarter end	2022-03-31	HKD1,420,857,024.00		2021-12-31	HKD1,694,609,787.00	
4.1	4.1.6	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Prefunded - Other; Reported as at quarter end	2022-03-31	N/A	4.1.6 - Hong Kong Exchanges and Clearing Limited (HKEX) has committed HKD4 billion from its shareholders' funds as HKEX Risk Management Capital to use only for the strengthening the risk management framework of the three clearing houses as central counterparties. Effective from 1 Jun 2018, the HKSCC Margin Credit, HKSCC Dynamic Contribution Credit, HKCC Participant Additional Deposit Credit and the three clearing houses' appropriations are supported by the HKD4 billion.	2021-12-31	N/A	4.1.6 - Hong Kong Exchanges and Clearing Limited (HKEX) has committed HKD4 billion from its shareholders' funds as HKEX Risk Management Capital to use only for the strengthening the risk management framework of the three clearing houses as central counterparties. Effective from 1 Jun 2018, the HKSCC Margin Credit, HKSCC Dynamic Contribution Credit, HKCC Participant Additional Deposit Credit and the three clearing houses' appropriations are supported by the HKD4 billion.
4.1	4.1.7	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Own/parent funds that are committed to address a participant default (or round of participant defaults); Reported as at quarter end	2022-03-31	N/A		2021-12-31	N/A	
4.1	4.1.8	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Aggregate participant commitments to address an initial participant default (or initial round of participant defaults); Reported as at quarter end	2022-03-31	N/A	4.1.8 - SEOCH Procedures stipulate "Notwithstanding the above or any other provisions of these Procedures, SEOCH may assess the adequacy of the Reserve Fund and recalculate the requirements for Variable Contributions based on the abovementioned formula or on such other basis as SEOCH may consider appropriate at its absolute discretion from time to time and following an event of default, SEOCH may further at its absolute discretion determine the appropriate aggregate value of the Reserve Fund for the purpose of calculating any Variable Contributions required taking into account the estimated loss arising from any actions taken by SEOCH in respect of such event of default under Chapter 7 of the Clearing Rules, and in each of the aforementioned circumstances, SEOCH Participants shall pay to SEOCH such Variable Contributions as may from time to time be demanded by SEOCH."  Reference: Operational Clearing Procedures for Options Trading Exchange Participants of SEOCH, Chapter 11, Section 11.2.3	2021-12-31	N/A	4.1.8 - SEOCH Procedures stipulate "Notwithstanding the above or any other provisions of these Procedures, SEOCH may assess the adequacy of the Reserve Fund and recalculate the requirements for Variable Contributions based on the abovementioned formula or on such other basis as SEOCH may consider appropriate at its absolute discretion from time to time and following an event of default, SEOCH may further at its absolute discretion determine the appropriate aggregate value of the Reserve Fund for the purpose of calculating any Variable Contributions required taking into account the estimated loss arising from any actions taken by SEOCH in respect of such event of default under Chapter 7 of the Clearing Rules, and in each of the aforementioned circumstances, SEOCH Participants shall pay to SEOCH such Variable Contributions as may from time to time be demanded by SEOCH."  Reference: Operational Clearing Procedures for Options Trading Exchange Participants of SEOCH, Chapter 11, Section 11.2.3

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4.1	4.1.9	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Aggregate participant commitments to replenish the default fund to deal with a subsequent participant default (or round of participant defaults) after the initial participant default (or round of participant defaults) has been addressed; Reported as at quarter end	2022-03-31	N/A	4.1.9 - SEOCH Rules stipulate that SEOCH Clearing Participants (CPs) are required to replenish the deficiency of their Reserve Fund contributions should the Reserve Fund be applied to cover default losses. There is no cap on a SEOCH CP's liability in the absence of it serving a Resignation Notice. However, a SEOCH CP can limit its liability to certain further replenishment requirement by submitting a Resignation Notice to terminate its participation in SEOCH. The aggregate liability of a resigning SEOCH CP to replenish a deficiency of Reserve Fund contributions is limited to (a) the aggregate amount of the SEOCH CP's RF contribution requirements on the day SEOCH receives a Resignation Notice; and (b) two times the amount in (a) above.  Reference: Operational Clearing Procedures for Options Trading Exchange Participants of SEOCH, Chapter 11, Section 11.6; Options Clearing Rules, Chapter 4, Rule 411, 413C-413E	2021-12-31	N/A	4.1.9 - SEOCH Rules stipulate that SEOCH Clearing Participants (CPs) are required to replenish the deficiency of their Reserve Fund contributions should the Reserve Fund be applied to cover default losses. There is no cap on a SEOCH CP's liability in the absence of it serving a Resignation Notice. However, a SEOCH CP can limit its liability to certain further replenishment requirement by submitting a Resignation Notice to terminate its participation in SEOCH. The aggregate liability of a resigning SEOCH CP to replenish a deficiency of Reserve Fund contributions is limited to (a) the aggregate amount of the SEOCH CP's RF contribution requirements on the day SEOCH receives a Resignation Notice; and (b) two times the amount in (a) above.  Reference: Operational Clearing Procedures for Options Trading Exchange Participants of SEOCH, Chapter 11, Section 11.6; Options Clearing Rules, Chapter 4, Rule 411, 413C-413E
4.1	4.1.10	Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service	Committed - Other; Reported as at quarter end	2022-03-31	N/A		2021-12-31	N/A	
4.2	4.2.1	Kccp	Kccp - Kccp need only be reported by those CCPs which are, or seek to be a "qualifying CCP" under relevant law	2022-03-31	HKD1,531,389.00	4.2 - Kccp is reported based on the definition of BCBS 282 which comes in effect in Jan 2017.	2021-12-31	HKD3,007,960.99	4.2 - Kccp is reported based on the definition of BCBS 282 which comes in effect in Jan 2017.
4.3	4.3.1	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Cash deposited at a central bank of issue of the currency concerned; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.2	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Cash deposited at other central banks; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.3	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Secured cash deposited at commercial banks (including reverse repo); Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.4	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Unsecured cash deposited at commercial banks; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD1,535,000,000.00 PostHaircut : HKD1,535,000,000.00		2021-12-31	PreHaircut : HKD1,851,000,000.00 PostHaircut : HKD1,851,000,000.00	
4.3	4.3.5	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Sovereign Government Bonds - Domestic; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.6	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Sovereign Government Bonds - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.7	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Agency Bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.8	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash State/municipal bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	

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4.3	4.3.9	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Corporate bonds; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.10	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Equities; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.11	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Gold; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.12	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.13	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Mutual Funds / UCITs; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.14	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by	Non-Cash Commodities - Other; Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00		2021-12-31	PreHaircut : HKD0.00 PostHaircut : HKD0.00	
4.3	4.3.15	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total	In total. Reported as at quarter end; Pre-Haircut and Post-Haircut	2022-03-31	PreHaircut : HKD1,535,000,000.00 PostHaircut : HKD1,535,000,000.00		2021-12-31	PreHaircut : HKD1,851,000,000.00 PostHaircut : HKD1,851,000,000.00	
4.4	4.4.1	Credit Risk Disclosures	State whether the CCP is subject to a minimum “Cover 1” or “Cover 2” requirement in relation to total pre-funded default resources.	2022-03-31	The largest and 5th largest CPs	4.4 - The estimated largest aggregate stress loss and actual largest aggregate credit exposure are reported in excess of collateral (which includes surplus collateral), instead of initial margin requirement.	2021-12-31	The largest and 5th largest CPs	4.4 - The estimated largest aggregate stress loss and actual largest aggregate credit exposure are reported in excess of collateral (which includes surplus collateral), instead of initial margin requirement.
4.4	4.4.2	Credit Risk Disclosures	For each clearing service, state the number of business days within which the CCP assumes it will close out the default when calculating credit exposures that would potentially need to be covered by the default fund.	2022-03-31	1		2021-12-31	1	
4.4	4.4.3	Credit Risk Disclosures	For each clearing service, the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Peak day amount in the previous 12 months and mean average over the previous 12 months	2022-03-31	PeakDayAmountInPast12Months : HKD1,781,623,694.00 MeanAverageOverPrevious12Months : HKD943,971,463.74	4.4.3 - In consensus with the local regulator, SEOCH is subject to a “Cover” requirement of the largest and 5th largest Clearing Participant, i.e. Cover 1+5. Estimated largest aggregate stress loss (in excess of initial margin) under Cover 1+5: - Peak day amount in the previous 12 months = HKD2,416,040,057.00 - Mean average over the previous 12 months = HKD1,309,176,601.45	2021-12-31	PeakDayAmountInPast12Months : HKD1,781,623,694.00 MeanAverageOverPrevious12Months : HKD911,233,219.43	4.4.3 - In consensus with the local regulator, SEOCH is subject to a “Cover” requirement of the largest and 5th largest Clearing Participant, i.e. Cover 1+5. Estimated largest aggregate stress loss (in excess of initial margin) under Cover 1+5: - Peak day amount in the previous 12 months = HKD2,416,040,057.00 - Mean average over the previous 12 months = HKD1,252,640,936.97
4.4	4.4.4	Credit Risk Disclosures	Report the number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources (in excess of initial margin).	2022-03-31	0	4.4.4 - Actual pre-funded default resources include the HKEX Risk Management Capital which is shared amongst the 3 on-exchange clearing houses, namely HKSCC, HKCC and SEOCH. Hence, the number of days on which the amount exceeded actual pre-funded default resources (in excess of collateral) is calculated on an aggregated basis for these 3 on-exchange clearing houses.  Number of days on which the amount under Cover 1+5 in 4.4.3 exceeded actual pre-funded default resources represented in 4.1.1 to 4.1.6 (in excess of collateral) = 0	2021-12-31	0	4.4.4 - Actual pre-funded default resources include the HKEX Risk Management Capital which is shared amongst the 3 on-exchange clearing houses, namely HKSCC, HKCC and SEOCH. Hence, the number of days on which the amount exceeded actual pre-funded default resources (in excess of collateral) is calculated on an aggregated basis for these 3 on-exchange clearing houses.  Number of days on which the amount under Cover 1+5 in 4.4.3 exceeded actual pre-funded default resources represented in 4.1.1 to 4.1.6 (in excess of collateral) = 0
4.4	4.4.5	Credit Risk Disclosures	The amount in 4.4.3 which exceeded actual pre-funded default resources (in excess of initial margin)	2022-03-31	AmountExceeded1 : HKD0.00	4.4.5 - The amounts under Cover 1+5 in 4.4.3 which exceeded actual pre-funded default resources represented in 4.1.1 to 4.1.6 (in excess of collateral) = 0	2021-12-31	AmountExceeded1 : HKD0.00	4.4.5 - The amounts under Cover 1+5 in 4.4.3 which exceeded actual pre-funded default resources represented in 4.1.1 to 4.1.6 (in excess of collateral) = 0
4.4	4.4.6	Credit Risk Disclosures	For each clearing service, the actual largest aggregate credit exposure (in excess of initial margin) to any single participant and its affiliates (including transactions cleared for indirect participants); Peak day amount in the previous 12 months and mean average over the previous 12 months	2022-03-31	PeakDayAmountInPast12Months : HKD305,779,539.00 MeanAverageOverPrevious12Months : HKD2,283,141.13	4.4.6 - Actual largest aggregate credit exposure (in excess of collateral) under Cover 1+5 (including transactions cleared for indirect participants): - Peak day amount in the previous 12 months = HKD305,779,539.00 - Mean average over the previous 12 months = HKD2,284,284.83	2021-12-31	PeakDayAmountInPast12Months : HKD140,158,368.00 MeanAverageOverPrevious12Months : HKD832,592.42	4.4.6 - Actual largest aggregate credit exposure (in excess of collateral) under Cover 1+5 (including transactions cleared for indirect participants): - Peak day amount in the previous 12 months = HKD140,158,368.00 - Mean average over the previous 12 months = HKD832,592.42
4.4	4.4.7	Credit Risk Disclosures	For each clearing service, the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any two participants and their affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Peak day amount in the previous 12 months and mean average over the previous 12 months	2022-03-31	PeakDayAmountInPast12Months : HKD3,473,035,582.00 MeanAverageOverPrevious12Months : HKD1,541,051,965.55		2021-12-31	PeakDayAmountInPast12Months : HKD3,473,035,582.00 MeanAverageOverPrevious12Months : HKD1,516,812,799.77	

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4.4	4.4.8	Credit Risk Disclosures	Number of business days, if any, on which the above amount (4.4.7) exceeded actual pre-funded default resources (in excess of initial margin) and by how much.	2022-03-31	1	4.4.8 - Actual pre-funded default resources include the HKEX Risk Management Capital which is shared amongst the 3 on-exchange clearing houses, namely HKSCC, HKCC and SEOCH. Hence, the number of days on which the amount exceeded actual pre-funded default resources (in excess of collateral) is calculated on an aggregated basis for these 3 on-exchange clearing houses.	2021-12-31	1	4.4.8 - Actual pre-funded default resources include the HKEX Risk Management Capital which is shared amongst the 3 on-exchange clearing houses, namely HKSCC, HKCC and SEOCH. Hence, the number of days on which the amount exceeded actual pre-funded default resources (in excess of collateral) is calculated on an aggregated basis for these 3 on-exchange clearing houses.
4.4	4.4.9	Credit Risk Disclosures	The amount in 4.4.7 which exceeded actual pre-funded default resources (in excess of initial margin)	2022-03-31	AmountExceeded1 : HKD1,752,012,337.00		2021-12-31	AmountExceeded1 : HKD1,752,012,337.00	
4.4	4.4.10	Credit Risk Disclosures	For each clearing service, what was the actual largest aggregate credit exposure (in excess of initial margin) to any two participants and their affiliates (including transactions cleared for indirect participants)? Description: PeakDayAmountInPrevious12Months; MeanAverageOverPrevious12Months	2022-03-31	PeakDayAmountInPast12Months : HKD305,779,539.00 MeanAverageOverPrevious12Months : HKD2,654,165.27		2021-12-31	PeakDayAmountInPast12Months : HKD227,865,312.50 MeanAverageOverPrevious12Months : HKD1,187,681.26	
5.1	5.1.1	Assets eligible as initial margin, and the respective haircuts applied	Assets eligible as initial margin and the respective haircuts applied	2022-03-31	<a href="http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en">http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en</a>		2021-12-31	<a href="http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en">http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en</a>	
5.2	5.2.1	Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)	Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)	2022-03-31	<a href="http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en">http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en</a>		2021-12-31	<a href="http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en">http://www.hkex.com.hk/services/clearing/listed-derivatives/overview/collateral-management?sc_lang=en</a>	
5.3	5.3.1	Results of testing of haircuts	Confidence interval targeted through the calculation of haircuts	2022-03-31	99.00%		2021-12-31	99.00%	
5.3	5.3.2	Results of testing of haircuts	Assumed holding/liquidation period for the assets accepted	2022-03-31	1 day		2021-12-31	1 day	
5.3	5.3.3	Results of testing of haircuts	Look-back period used for testing the haircuts	2022-03-31	1250 days		2021-12-31	1250 days	
5.3	5.3.4	Results of testing of haircuts	Number of days during the look-back period on which the fall in value during the assumed holding/liquidation period exceeded the haircut on an asset.	2022-03-31	1	5.3.4 - One HSI constituent stock experienced 1 day in which the fall in value exceeded the haircut on an asset during the look-back period. Review has been conducted on the adequacy of haircut rate subsequently.  All other cash and non-cash collaterals (such as USD, EUR, JPY, RMB, Exchange Funds Bills & Notes) did not experience any exceedances during the look-back period.	2021-12-31	1	5.3.4 - One HSI constituent stock experienced 1 day in which the fall in value exceeded the haircut on an asset during the look-back period. Review has been conducted on the adequacy of haircut rate subsequently.  All other cash and non-cash collaterals (such as USD, EUR, JPY, RMB, Exchange Funds Bills & Notes) did not experience any exceedances during the look-back period.

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6.1	6.1.1	For each clearing service, total initial margin required, split by house and client (or combined total if not segregated)	Total initial margin required split by house, client gross, client net and total(if not segregated);	2022-03-31	House_Net : HKD4,414,402,415.00 Client_Gross : HKD4,178,108,750.00 Client_Net : HKD9,231,420,891.00 Total : HKD17,823,932,056.00	6.1 - SEOCH Clearing Participants may be registered under one of two Participantship categories: (i) General Clearing Participants, which are allowed to register and clear trades both on their own account and on behalf of Non-Clearing Participants; and (ii) Clearing Participants, which are only allowed to register and clear trades on their own behalf. The initial margin for the positions of SEOCH Non-Clearing Participants, i.e. indirect participants, is calculated on a net basis.  6.1.1 - The calculation of concentration risk margin requirement for the client account of a SEOCH Clearing Participant is calculated based on the aggregated exposure, net of collateral, of all client nature accounts. Due to the calculation method which determines concentration risk margin and Block Trade margin requirement for all client nature accounts on an aggregated basis for settlement, these figures are consolidated under "IM_Client (Net)" for reporting purpose.	2021-12-31	House_Net : HKD3,115,450,506.00 Client_Gross : HKD3,496,946,906.00 Client_Net : HKD9,005,166,430.00 Total : HKD15,617,563,842.00	6.1 - SEOCH Clearing Participants may be registered under one of two Participantship categories: (i) General Clearing Participants, which are allowed to register and clear trades both on their own account and on behalf of Non-Clearing Participants; and (ii) Clearing Participants, which are only allowed to register and clear trades on their own behalf. The initial margin for the positions of SEOCH Non-Clearing Participants, i.e. indirect participants, is calculated on a net basis.  6.1.1 - The calculation of concentration risk margin requirement for the client account of a SEOCH Clearing Participant is calculated based on the aggregated exposure, net of collateral, of all client nature accounts. Due to the calculation method which determines concentration risk margin and Block Trade margin requirement for all client nature accounts on an aggregated basis for settlement, these figures are consolidated under "IM_Client (Net)" for reporting purpose.
6.2	6.2.1	For each clearing service, total initial margin held, split by house and client	Cash deposited at a central bank of issue of the currency concerned; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	6.2.1 to 6.2.15 - SEOCH maintains cash collateral of its Clearing Participants in house and client accounts in Common Collateral Management System (CCMS). For purpose of holding cash collateral with the various custodians, SEOCH holds initial margin of house and client accounts in aggregate and hence, breakdown by house and client is not available.  Since SEOCH does not reinvest non-cash collateral pledged by its Clearing Participants, breakdown by house and client accounts is reported as held in its collateral accounts.	2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	6.2.1 to 6.2.15 - SEOCH maintains cash collateral of its Clearing Participants in house and client accounts in Common Collateral Management System (CCMS). For purpose of holding cash collateral with the various custodians, SEOCH holds initial margin of house and client accounts in aggregate and hence, breakdown by house and client is not available.  Since SEOCH does not reinvest non-cash collateral pledged by its Clearing Participants, breakdown by house and client accounts is reported as held in its collateral accounts.
6.2	6.2.2	For each clearing service, total initial margin held, split by house and client	Cash deposited at other central banks; Total split by House and Client; Pre-Haircut and Post-Haircut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.3	For each clearing service, total initial margin held, split by house and client	Secured cash deposited at commercial banks (including reverse repo); Total split by House and Client; Pre-Haircut and Post-Haircut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
6.2	6.2.4	For each clearing service, total initial margin held, split by house and client	Unsecured cash deposited at commercial banks; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD23,696,000,000.00 TotalIM_PostHaircut : HKD23,696,000,000.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD21,045,000,000.00 TotalIM_PostHaircut : HKD21,045,000,000.00	
6.2	6.2.5	For each clearing service, total initial margin held, split by house and client	Non-Cash Sovereign Government Bonds - Domestic; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : HKD0.00 HouseIM_PostHaircut : HKD0.00 ClientIM_PreHaircut : HKD0.00 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : HKD0.00 HouseIM_PostHaircut : HKD0.00 ClientIM_PreHaircut : HKD0.00 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.6	For each clearing service, total initial margin held, split by house and client	Non-Cash Sovereign Government Bonds - Other; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.7	For each clearing service, total initial margin held, split by house and client	Non-Cash Agency Bonds; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.8	For each clearing service, total initial margin held, split by house and client	Non-Cash State/municipal bonds; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.9	For each clearing service, total initial margin held, split by house and client	Non-Cash Corporate bonds; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.10	For each clearing service, total initial margin held, split by house and client	Non-Cash Equities; Description: HouseIM_PreHaircut, HouseIM_PostHaircut, ClientIM_PreHaircut, ClientIM_PostHaircut, TotalIM_PreHaircut, TotalIM_PostHaircut	2022-03-31	HouseIM_PreHaircut : HKD134,396,568.00 HouseIM_PostHaircut : HKD92,982,657.60 ClientIM_PreHaircut : HKD2,837,694,815.78 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD2,972,091,383.78 TotalIM_PostHaircut : HKD92,982,657.60		2021-12-31	HouseIM_PreHaircut : HKD21,918,650.00 HouseIM_PostHaircut : HKD15,343,055.00 ClientIM_PreHaircut : HKD2,930,013,738.80 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD2,951,932,388.80 TotalIM_PostHaircut : HKD15,343,055.00	
6.2	6.2.11	For each clearing service, total initial margin held, split by house and client	Non-Cash Commodities - Gold; Description: HouseIM_PreHaircut, HouseIM_PostHaircut, ClientIM_PreHaircut, ClientIM_PostHaircut, TotalIM_PreHaircut, TotalIM_PostHaircut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.12	For each clearing service, total initial margin held, split by house and client	Non-Cash Commodities - Other; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.13	For each clearing service, total initial margin held, split by house and client	Non-Cash - Mutual Funds / UCITS; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : HKD0.00 HouseIM_PostHaircut : HKD0.00 ClientIM_PreHaircut : HKD52,059,495.56 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD52,059,495.56 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : HKD0.00 HouseIM_PostHaircut : HKD0.00 ClientIM_PreHaircut : HKD46,498,163.04 ClientIM_PostHaircut : HKD0.00 TotalIM_PreHaircut : HKD46,498,163.04 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.14	For each clearing service, total initial margin held, split by house and client	Non-Cash - Other; Total split by House and Client; Pre-Haircut and Post Hair-cut	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A TotalIM_PreHaircut : HKD0.00 TotalIM_PostHaircut : HKD0.00	
6.2	6.2.15	For each clearing service, total initial margin held, split by house and client	For each clearing service, total initial margin held, split by house and client (if segregated).	2022-03-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A		2021-12-31	HouseIM_PreHaircut : N/A HouseIM_PostHaircut : N/A ClientIM_PreHaircut : N/A ClientIM_PostHaircut : N/A	
6.3	6.3.1	Initial Margin rates on individual contracts, where the CCP sets such rates	Initial Margin rates on individual contracts where the CCP sets such rates	2022-03-31	<a href="http://www.hkex.com.hk/Services/Clearing/Listed-Derivatives/Risk-Management/Margin/Margin-Tables/SECH?sc_lang=en">http://www.hkex.com.hk/Services/Clearing/Listed-Derivatives/Risk-Management/Margin/Margin-Tables/SECH?sc_lang=en</a>		2021-12-31	<a href="http://www.hkex.com.hk/Services/Clearing/Listed-Derivatives/Risk-Management/Margin/Margin-Tables/SECH?sc_lang=en">http://www.hkex.com.hk/Services/Clearing/Listed-Derivatives/Risk-Management/Margin/Margin-Tables/SECH?sc_lang=en</a>	



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6.4	6.4.1	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Type of IM Model	2022-03-31	VaR based on historical volatility		2021-12-31	VaR based on historical volatility	
6.4	6.4.2	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Type of IM Model Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.3	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Model Name	2022-03-31	SPAN		2021-12-31	SPAN	
6.4	6.4.4	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Model Name Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.5	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Single Tailed Confidence Level	2022-03-31	99.87%	6.4.5 - SEOCH determines the Benchmark Rates for each product with reference to the projected volatility at a two-tailed confidence interval of 99.73%.	2021-12-31	99.87%	6.4.5 - SEOCH determines the Benchmark Rates for each product with reference to the projected volatility at a two-tailed confidence interval of 99.73%.
6.4	6.4.6	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Single Tailed Confidence Level Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.7	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Look Back Period	2022-03-31	90 days		2021-12-31	90 days	
6.4	6.4.8	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Look Back Period Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.9	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Adjustments	2022-03-31	lambda = 0.96		2021-12-31	lambda = 0.96	
6.4	6.4.10	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Adjustments Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.11	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Close Out Period (days)	2022-03-31	1		2021-12-31	1	
6.4	6.4.12	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Close out period change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.4	6.4.13	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	IM Rates Link	2022-03-31	<a href="http://www.hkex.com.hk/eng/market/rm/rm_dcrm/riskdata/margin_seoch/somargin.htm">http://www.hkex.com.hk/eng/market/rm/rm_dcrm/riskdata/margin_seoch/somargin.htm</a>		2021-12-31	<a href="http://www.hkex.com.hk/eng/market/rm/rm_dcrm/riskdata/margin_seoch/somargin.htm">http://www.hkex.com.hk/eng/market/rm/rm_dcrm/riskdata/margin_seoch/somargin.htm</a>	
6.4	6.4.14	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Frequency of Parameter Review	2022-03-31	Daily		2021-12-31	Daily	

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6.4	6.4.15	Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service	Frequency of Parameter Review Change Effective Date	2022-03-31	2000-01-25		2021-12-31	2000-01-25	
6.5	6.5.1.1	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Number of times over the past twelve months that margin coverage held against any account fell below the actual marked-to-market exposure of that member account	2022-03-31	264		2021-12-31	118	
6.5	6.5.1.2	Specify if measured intraday/continuously or only once a day. If once a day, specify at what time of day.	Frequency of daily back-testing result measurements.	2022-03-31	Dayend		2021-12-31	Dayend	
6.5	6.5.1.3	Specify if measured intraday/continuously or only once a day. If once a day, specify at what time of day.	Time of daily back-testing result if measured once a day.	2022-03-31	End of Business		2021-12-31	End of Business	
6.5	6.5.2	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Number of observations	2022-03-31	108,224		2021-12-31	106,266	
6.5	6.5.3	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Achieved coverage level	2022-03-31	99.76%		2021-12-31	99.89%	
6.5	6.5.4	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure; Peak size	2022-03-31	HKD82,485,419		2021-12-31	HKD82,485,419.00	
6.5	6.5.5	Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure; Average Size	2022-03-31	HKD395,123.17		2021-12-31	HKD875,807.80	
6.6	6.6.1	Average Total Variation Margin Paid to the CCP by participants each business	Average Total Variation Margin Paid to the CCP by participants each business	2022-03-31	HKD6,029,505.36		2021-12-31	HKD3,244,007.13	
6.7	6.7.1	Maximum total variation margin paid to the CCP on any given business day over the period	Maximum total variation margin paid to the CCP on any given business day over the period	2022-03-31	HKD25,174,152.5		2021-12-31	HKD12,766,123.00	
6.8	6.8.1	Maximum aggregate initial margin call on any given business day over the period	Maximum aggregate initial margin call on any given business day over the period	2022-03-31	HKD3,158,421,189.83		2021-12-31	HKD1,141,782,632.04	
7.1	7.1.1	Liquidity Risk	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.	2022-03-31	Cover 1 across HKSCC, HKCC and SEOCH	7.1.1 - HKEX maintains sufficient liquid resources for the "Cover 1" across HKSCC, HKCC and SEOCH.	2021-12-31	Cover 1 across HKSCC, HKCC and SEOCH	7.1.1 - HKEX maintains sufficient liquid resources for the "Cover 1" across HKSCC, HKCC and SEOCH.
7.1	7.1.2	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (a) Cash deposited at a central bank of issue of the currency concerned	2022-03-31	N/A		2021-12-31	N/A	
7.1	7.1.3	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (b) Cash deposited at other central banks	2022-03-31	N/A		2021-12-31	N/A	
7.1	7.1.4	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (c) Secured cash deposited at commercial banks (including reverse repo)	2022-03-31	N/A		2021-12-31	N/A	
7.1	7.1.5	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (d) Unsecured cash deposited at commercial banks	2022-03-31	SizeAndCompositionOfQualifyingLiquidResources : HKD1,551,000,000.00	7.1.5 - Separately, HKEX Group Corporate Funds of HKD6,361 million in liquid resources is used to provide liquidity support to HKSCC, HKCC and SEOCH.	2021-12-31	SizeAndCompositionOfQualifyingLiquidResources : HKD1,861,000,000.00	7.1.5 - Separately, HKEX Group Corporate Funds of HKD6,184 million in liquid resources is used to provide liquidity support to HKSCC, HKCC and SEOCH.
7.1	7.1.6	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (e) secured committed lines of credit (ie those for which collateral/security will be provided by the CCP if drawn) including committed foreign exchange swaps and committed repos	2022-03-31	N/A	7.1.6 to 7.1.9 (except for 7.1.7) - SEOCH does not hold qualifying liquid resources in these composition types.  7.1.7 - HKEX has arranged a total of HK\$10 billion unsecured committed credit facilities with options to draw down on the same day in different currencies, namely HKD, USD and CNY from selected liquidity providers, for HKSCC, HKCC, SEOCH, OTCC and HKEX.	2021-12-31	N/A	7.1.6 to 7.1.9 (except for 7.1.7) - SEOCH does not hold qualifying liquid resources in these composition types.  7.1.7 - HKEX has arranged a total of HK\$10 billion unsecured committed credit facilities with options to draw down on the same day in different currencies, namely HKD, USD and CNY from selected liquidity providers, for HKSCC, HKCC, SEOCH, OTCC and HKEX.



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7.1	7.1.7	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (f) unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security)	2022-03-31	Please refer to "Notes"		2021-12-31	Please refer to "Notes"	
7.1	7.1.8	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (g) highly marketable collateral held in custody and investments that are readily available and convertible into cash with prearranged and highly reliable funding arrangements even in extreme but plausible market conditions	2022-03-31	N/A		2021-12-31	N/A	
7.1	7.1.9	Liquidity Risk	Size and composition of qualifying liquid resources for each clearing service; (h) other	2022-03-31	N/A		2021-12-31	N/A	
7.1	7.1.10	Liquidity Risk	State whether the CCP has routine access to central bank liquidity or facilities.	2022-03-31	No		2021-12-31	No	
7.1	7.1.11	Liquidity Risk	Details regarding the schedule of payments or priority for allocating payments, if such exists, and any applicable rule, policy, procedure, and governance arrangement around such decision making.	2022-03-31	In using qualifying liquid resources, HKEX would apply the liquid resources to meet the most urgent payment obligations of its subsidiaries (i.e. its 3 on-exchange clearing houses). In the event that the timing of the payment obligations occur concurrently, HKEX would apply the liquid resources on a pro-rata basis to meet the payment obligations.		2021-12-31	In using qualifying liquid resources, HKEX would apply the liquid resources to meet the most urgent payment obligations of its subsidiaries (i.e. its 3 on-exchange clearing houses). In the event that the timing of the payment obligations occur concurrently, HKEX would apply the liquid resources on a pro-rata basis to meet the payment obligations.	
7.2	7.2.1	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources above.	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources in 7.1	2022-03-31	0.00		2021-12-31	0.00	
7.3	7.3.1	Liquidity Risk	Estimated largest same-day and, where relevant, intraday and multiday payment obligation in total that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking measure reported quarterly	2022-03-31	SameDayPayment_Total : HKD 8,312,170,031.24 MultiDayPayment_Total : HKD 19,788,794,178.08	7.3 - Figures are calculated on an aggregated basis of 3 on-exchange clearing houses, HKSCC, HKCC and SEOCH.  7.3.1 - Only same-day and multiday scenarios are applicable to HKSCC, HKCC and SEOCH.	2021-12-31	SameDayPayment_Total : HKD 7,156,342,116.41 MultiDayPayment_Total : HKD 10,686,339,333.63	7.3 - Figures are calculated on an aggregated basis of 3 on-exchange clearing houses, HKSCC, HKCC and SEOCH.  7.3.1 - Only same-day and multiday scenarios are applicable to HKSCC, HKCC and SEOCH.
7.3	7.3.2	Liquidity Risk	Report the number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the point the breach occurred), and by how much.; No. of days in quarter	2022-03-31	0		2021-12-31	0	
7.3	7.3.3	Liquidity Risk	Number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the point the breach occurred), and by how much; Amount of excess on each day	2022-03-31	AmountExceeded1 : 0.00	7.3.3 - No business day with amount exceeded its qualifying liquid resources.	2021-12-31	AmountExceeded1 : 0.00	7.3.3 - No business day with amount exceeded its qualifying liquid resources.
7.3	7.3.4	Liquidity Risk	Actual largest intraday and multiday payment obligation of a single participant and its affiliates (including transactions cleared for indirect participants) over the past twelve months; Peak day amount in previous twelve months	2022-03-31	SameDayPayment_Total : HKD 16,317,461,934.19 MultiDayPayment_Total : HKD 23,355,794,629.66		2021-12-31	SameDayPayment_Total : HKD 16,317,461,934.19 MultiDayPayment_Total : HKD 23,355,794,629.66	
7.3	7.3.5	Liquidity Risk	Estimated largest same-day and, where relevant, intraday and multiday payment obligation in each relevant currency that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking measure reported quarterly	2022-03-31	SameDayPayment_Total : N/A MultiDayPayment_Total : N/A	7.3.5 - Only same-day and multiday scenarios are applicable to HKSCC, HKCC and SEOCH.  7.3.5 to 7.3.7 - Products cleared by HKSCC, HKCC and SEOCH are denominated in 3 different currencies (HKD, CNY and USD). Since the major financial resource, committed bank facilities in an amount of 10 billion in HKD equivalent, can be drawn in HKD, CNY and USD on the same day to cover liquidity requirement of respective currency, calculation of days with exceedances by currency is not available.	2021-12-31	SameDayPayment_Total : N/A MultiDayPayment_Total : N/A	7.3.5 - Only same-day and multiday scenarios are applicable to HKSCC, HKCC and SEOCH.  7.3.5 to 7.3.7 - Products cleared by HKSCC, HKCC and SEOCH are denominated in 3 different currencies (HKD, CNY and USD). Since the major financial resource, committed bank facilities in an amount of 10 billion in HKD equivalent, can be drawn in HKD, CNY and USD on the same day to cover liquidity requirement of respective currency, calculation of days with exceedances by currency is not available.
7.3	7.3.6	Liquidity Risk	Number of business days, if any, on which the above amounts exceeded its qualifying liquid resources in each relevant currency (as identified in 7.1 and available at the point the breach occurred), and by how much	2022-03-31	NumberOfDays_HKD : N/A		2021-12-31	NumberOfDays_HKD : N/A	

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
7.3	7.3.7	Liquidity Risk	Report the number of business days, if any, on which the above amounts exceeded its qualifying liquid resources in each relevant currency (as identified in 7.1 and available at the point the breach occurred), and by how much; Amount of excess on each day	2022-03-31	AmountExceeded1 : N/A		2021-12-31	AmountExceeded1 : N/A	
12.1	12.1.1	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a DvP settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
12.1	12.1.2	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a DvD settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
12.1	12.1.3	Percentage of settlements by value effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by value effected using a Pvp settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
12.2	12.2.1	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a DvP settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
12.2	12.2.2	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a DvD settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
12.2	12.2.3	Percentage of settlements by volume effected using a DvP, DvD or Pvp settlement mechanism	Percentage of settlements by volume effected using a Pvp settlement mechanism	2022-03-31	N/A		2021-12-31	N/A	
13.1	13.1.1	quantitative information related to defaults	Quantitative information related to defaults; Amount of loss versus amount of initial margin	2022-03-31	N/A	13.1 - No Clearing Participant default occurred in Q1 of 2022. References to default cases occurring before 2022 can be found in the HKEX Annual Report.	2021-12-31	N/A	13.1 - No Clearing Participant default occurred in Q4 of 2021. References to default cases occurring before 2021 can be found in the HKEX Annual Report.
13.1	13.1.2	quantitative information related to defaults	Quantitative information related to defaults; Amount of other financial resources used to cover losses	2022-03-31	N/A		2021-12-31	N/A	
13.1	13.1.3.1	quantitative information related to defaults	Quantitative information related to defaults; Proportion of client positions closed-out	2022-03-31	N/A		2021-12-31	N/A	
13.1	13.1.3.2	quantitative information related to defaults	Quantitative information related to defaults; Proportion of client positions ported	2022-03-31	N/A		2021-12-31	N/A	
13.1	13.1.4	quantitative information related to defaults	Quantitative information related to defaults; Appropriate references to other published material related to the defaults	2022-03-31	N/A		2021-12-31	N/A	
14.1	14.1.1	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in individually segregated accounts	2022-03-31	60.68%	14.1.1 & 14.1.2 - The shares are calculated based on the total market notional values (which also includes the notional values of non-client accounts).	2021-12-31	57.53%	14.1.1 & 14.1.2 - The shares are calculated based on the total market notional values (which also includes the notional values of non-client accounts).
14.1	14.1.2	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in omnibus client-only accounts, other than LSOC accounts	2022-03-31	12.44%		2021-12-31	12.55%	
14.1	14.1.3	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in legally segregated but operationally comingled (LSOC) accounts	2022-03-31	N/A	14.1.3 & 14.1.4 - The account structure of SEOCH does not offer legally segregated but operationally comingled (LSOC) accounts nor comingled house and client accounts.	2021-12-31	N/A	14.1.3 & 14.1.4 - The account structure of SEOCH does not offer legally segregated but operationally comingled (LSOC) accounts nor comingled house and client accounts.
14.1	14.1.4	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions	Total Client Positions held in comingled house and client accounts	2022-03-31	N/A		2021-12-31	N/A	
15.1	15.1.1	General business risk	Value of liquid net assets funded by equity	2021-12-31	HKD144,000,000.00		2021-12-31	HKD144,000,000.00	
15.1	15.1.2	General business risk	Six months of current operating expenses	2021-12-31	HKD24,000,000.00		2021-12-31	HKD24,000,000.00	
15.2	15.2.1	General business risk; Financial Disclosures	Total Revenue	2021-12-31	HKD131,000,000.00		2021-12-31	HKD131,000,000.00	
15.2	15.2.2	General business risk; Financial Disclosures	Total Expenditure	2021-12-31	HKD38,000,000.00		2021-12-31	HKD38,000,000.00	
15.2	15.2.3	General business risk; Financial Disclosures	Profits	2021-12-31	HKD194,000,000.00		2021-12-31	HKD194,000,000.00	
15.2	15.2.4	General business risk; Financial Disclosures	Total Assets	2021-12-31	HKD23,258,000,000.00		2021-12-31	HKD23,258,000,000.00	
15.2	15.2.5	General business risk; Financial Disclosures	Total Liabilities	2021-12-31	HKD22,808,000,000.00		2021-12-31	HKD22,808,000,000.00	

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
15.2	15.2.6	General business risk; Financial Disclosures	Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet	2021-12-31	Cash collateral is held on the balance sheet. Non-cash collateral is held off the balance sheet.		2021-12-31	Cash collateral is held on the balance sheet. Non-cash collateral is held off the balance sheet.	
15.2	15.2.7	General business risk; Financial Disclosures	Additional items as necessary	2021-12-31	Not applicable		2021-12-31	Not applicable	
15.3	15.3.1	General business risk; Income breakdown	Percentage of total income that comes from fees related to provision of clearing services	2021-12-31	52.87%		2021-12-31	52.87%	
15.3	15.3.2	General business risk; Income breakdown	Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants	2021-12-31	37.13%		2021-12-31	37.13%	
16.1	16.1.1	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as initial margin	2022-03-31	HKD23,696,000,000.00		2021-12-31	HKD21,045,000,000.00	
16.1	16.1.2	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution	Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as default fund contribution	2022-03-31	HKD1,438,000,000.00		2021-12-31	HKD1,747,000,000.00	
16.2	16.2.1	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo)	2022-03-31	100.00%		2021-12-31	100.00%	
16.2	16.2.2	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at central banks of issue of the currency deposited	2022-03-31	Not applicable		2021-12-31	Not applicable	
16.2	16.2.3	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at other central banks	2022-03-31	Not applicable		2021-12-31	Not applicable	
16.2	16.2.4	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at commercial banks (Secured, including through reverse repo)	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.5	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at commercial banks (Unsecured)	2022-03-31	100.00%		2021-12-31	100.00%	
16.2	16.2.6	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); in money market funds	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.7	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); in other forms	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.8	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); percentage split by currency of these cash deposits (including reverse repo) and money market funds by CCY; Specify local currency in comments	2022-03-31	Percentage_HKD : 100.00% Percentage_USD : 0% Percentage_JPY : 0% Percentage_EUR : 0%		2021-12-31	Percentage_HKD : 98.72% Percentage_USD : 1.28% Percentage_JPY : 0% Percentage_EUR : 0%	
16.2	16.2.9	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as cash deposits (including through reverse repo); weighted average maturity of these cash deposits (including reverse repo) and money market funds	2022-03-31	0.26 year		2021-12-31	0.24 year	
16.2	16.2.10	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Domestic sovereign government bonds	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.11	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Other sovereign government bonds	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.12	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Agency Bonds	2022-03-31	0.00%		2021-12-31	0.00%	

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
16.2	16.2.13	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; State/municipal bonds	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.14	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; Other instruments	2022-03-31	0.00%		2021-12-31	0.00%	
16.2	16.2.15	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash invested in securities; percentage split by currency of these securities; Specify local currency in comments;	2022-03-31	Percentage_HKD : 0.00% Percentage_USD : 0.00%		2021-12-31	Percentage_HKD : 0.00% Percentage_USD : 0.00%	
16.2	16.2.16	How total cash received from participants (16.1) is held/deposited/invested, including;	Weighted average maturity of securities	2022-03-31	0.00 year		2021-12-31	0.00 year	
16.2	16.2.17	How total cash received from participants (16.1) is held/deposited/invested, including;	Provide an estimate of the risk on the investment portfolio (excluding central bank and commercial bank deposits) (99% one-day VaR, or equivalent)	2022-03-31	0		2021-12-31	0	
16.2	16.2.18	How total cash received from participants (16.1) is held/deposited/invested, including;	State if the CCP investment policy sets a limit on the proportion of the investment portfolio that may be allocated to a single counterparty, and the size of that limit.	2022-03-31	A cap is set on the total amount of margin funds, default funds and corporate funds of HKEx Group that can be deposited with any one of its counterparties. Under the new Credit Limit Framework for Settlement and Investment (Credit Limit Framework), investment exposure in HSBC & BOCHK, the concentration limit is 50% of last year-end audited HKEX shareholders' equity. Investment exposure in all other single name counterparty limit using credit rating based ladder approach, ranges from 5% to 37.5% of last year-end audited HKEX shareholders' equity.		2021-12-31	A cap is set on the total amount of margin funds, default funds and corporate funds of HKEx Group that can be deposited with any one of its counterparties. Under the new Credit Limit Framework for Settlement and Investment (Credit Limit Framework), investment exposure in HSBC & BOCHK, the concentration limit is 50% of last year-end audited HKEX shareholders' equity. Investment exposure in all other single name counterparty limit using credit rating based ladder approach, ranges from 5% to 37.5% of last year-end audited HKEX shareholders' equity.	
16.2	16.2.19	How total cash received from participants (16.1) is held/deposited/invested, including;	State the number of times over the previous quarter in which this limit has been exceeded.	2022-03-31	0		2021-12-31	0	
16.2	16.2.20	How total cash received from participants (16.1) is held/deposited/invested, including;	Percentage of total participant cash held as securities.	2022-03-31	0.00%		2021-12-31	0.00%	
16.3	16.3.1	Rehypothecation of participant assets (ie non-cash)	Total value of participant non-cash rehypothecated (Initial margin)	2022-03-31	N/A	16.3.1 to 16.3.4 - SEOCH does not permit rehypothecation of non-cash collateral per its internal risk policy.	2021-12-31	N/A	16.3.1 to 16.3.4 - SEOCH does not permit rehypothecation of non-cash collateral per its internal risk policy.
16.3	16.3.2	Rehypothecation of participant assets (ie non-cash)	Total value of participant non-cash rehypothecated (Default fund)	2022-03-31	N/A		2021-12-31	N/A	
16.3	16.3.3	Rehypothecation of participant assets (ie non-cash)	Rehypothecation of participant assets (ie non-cash) by the CCP where allowed; initial margin; over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years	2022-03-31	N/A		2021-12-31	N/A	
16.3	16.3.4	Rehypothecation of participant assets (ie non-cash)	Rehypothecation of participant assets (ie non-cash); default fund; over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years	2022-03-31	N/A		2021-12-31	N/A	
17.1	17.1.1	Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period)	Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period)	2022-03-31	99.95%		2021-12-31	99.95%	
17.2	17.2.1	Actual availability of the core system(s) over the previous twelve month period	Actual availability of the core system(s) over the previous twelve month period	2022-03-31	100.00%		2021-12-31	100.00%	
17.3	17.3.1	Total number of failures	Total number of failures and duration affecting the core system(s) involved in clearing over the previous twelve month period	2022-03-31	0		2021-12-31	0	
17.4	17.4.1	Recovery time objective(s)	Recovery time objective(s) (e.g. within two hours)	2022-03-31	within 2 hours		2021-12-31	within 2 hours	
18.1	18.1.1.1	Number of clearing members, by clearing service	Number of general clearing members	2022-03-31	10		2021-12-31	11	

SEOCH Quantitative Disclosure

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
18.1	18.1.1.2	Number of clearing members, by clearing service	Number of direct clearing members	2022-03-31	66		2021-12-31	66	
18.1	18.1.1.3	Number of clearing members, by clearing service	Number of others category (Describe in comments)	2022-03-31	N/A	18.1.1.3 to 18.1.2.3 - SEOCH does not offer these Clearing Participantship categories.	2021-12-31	N/A	18.1.1.3 to 18.1.2.3 - SEOCH does not offer these Clearing Participantship categories.
18.1	18.1.2.1	Number of clearing members, by clearing service	Number of central bank participants	2022-03-31	N/A		2021-12-31	N/A	
18.1	18.1.2.2	Number of clearing members, by clearing service	Number of CCP participants	2022-03-31	N/A		2021-12-31	N/A	
18.1	18.1.2.3	Number of clearing members, by clearing service	Number of bank participants	2022-03-31	N/A		2021-12-31	N/A	
18.1	18.1.2.4	Number of clearing members, by clearing service	Number of other participants (Describe in comments)	2022-03-31	76	18.1.2.4 - All SEOCH Clearing Participants are required to be licensed as licensed corporations by SEOCH's local regulator, the Securities and Futures Commission.	2021-12-31	77	18.1.2.4 - All SEOCH Clearing Participants are required to be licensed as licensed corporations by SEOCH's local regulator, the Securities and Futures Commission.
18.1	18.1.3.1	Number of clearing members, by clearing service	Number of domestic participants	2022-03-31	76	18.1.3.1 - All SEOCH Clearing Participants are required to be domestically incorporated. The sum of the number of general clearing members and direct clearing members should reconcile with the total number of domestically incorporated Clearing Participants.	2021-12-31	77	18.1.3.1 - All SEOCH Clearing Participants are required to be domestically incorporated. The sum of the number of general clearing members and direct clearing members should reconcile with the total number of domestically incorporated Clearing Participants.
18.1	18.1.3.2	Number of clearing members, by clearing service	Number of foreign participants	2022-03-31	N/A	18.1.3.2 - SEOCH does not offer this category of SEOCH Clearing Participantship because all SEOCH Clearing Participants are required to be domestically incorporated.	2021-12-31	N/A	18.1.3.2 - SEOCH does not offer this category of SEOCH Clearing Participantship because all SEOCH Clearing Participants are required to be domestically incorporated.
18.2	18.2.1	Open Position Concentration	For each clearing service with ten or more members, but fewer than 25 members; Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	AverageInQuarter : N/A PeakInQuarter : N/A	18.2.1 - Not applicable to SEOCH which has more than 25 members onboard.	2021-12-31	AverageInQuarter : N/A PeakInQuarter : N/A	18.2.1 - Not applicable to SEOCH which has more than 25 members onboard.
18.2	18.2.2	Open Position Concentration	For each clearing service with 25 or more members; Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	AverageInQuarter :70.01% PeakInQuarter :71.66%		2021-12-31	AverageInQuarter :66.17% PeakInQuarter :70.32%	
18.2	18.2.3	Open Position Concentration	For each clearing service with 25 or more members; Percentage of open positions held by the largest ten clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	AverageInQuarter : 87.55% PeakInQuarter : 88.79%		2021-12-31	AverageInQuarter : 85.17% PeakInQuarter : 88.19%	
18.3	18.3.1	Initial Margin Concentration	For each clearing service with ten or more members, but fewer than 25 members; Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	N/A		2021-12-31	N/A	
18.3	18.3.2	Initial Margin Concentration	For each clearing service with 25 or more members; Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	AverageInQuarter : 59.90% PeakInQuarter : 65.93%		2021-12-31	AverageInQuarter : 56.48% PeakInQuarter : 61.27%	
18.3	18.3.3	Initial Margin Concentration	For each clearing service with 25 or more members; Percentage of initial margin posted by the largest ten clearing members, including both house and client, in aggregate; Average and Peak over the quarter	2022-03-31	AverageInQuarter : 82.30% PeakInQuarter : 85.11%		2021-12-31	AverageInQuarter : 80.53% PeakInQuarter : 82.12%	
18.4	18.4.1	Segregated Default Fund Concentration	For each segregated default fund with ten or more members, but fewer than 25 members; Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	2022-03-31	N/A		2021-12-31	N/A	
18.4	18.4.2	Segregated Default Fund Concentration	For each segregated default fund with 25 or more members; Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	2022-03-31	46.95%		2021-12-31	48.08%	
18.4	18.4.3	Segregated Default Fund Concentration	For each segregated default fund with 25 or more members; Percentage of participant contributions to the default fund contributed by largest ten clearing members in aggregate	2022-03-31	65.28%		2021-12-31	67.45%	

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
19.1	19.1.1	Tiered participation arrangements, measures of concentration of client clearing	Number of clients (if known)	2022-03-31	N/A	19.1.1 - SEOCH deals with its Clearing Participants as principal and not agent, it has no contractual relationship with the clients of its Clearing Participant. Hence SEOCH does not have information on the number of retail clients of its Clearing Participants.	2021-12-31	N/A	19.1.1 - SEOCH deals with its Clearing Participants as principal and not agent, it has no contractual relationship with the clients of its Clearing Participant. Hence SEOCH does not have information on the number of retail clients of its Clearing Participants.
19.1	19.1.2	Tiered participation arrangements, measures of concentration of client clearing	Number of direct members that clear for clients	2022-03-31	76		2021-12-31	77	
19.1	19.1.3.1	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top five clearing members (if CCP has 10+ clearing members) - Peak	2022-03-31	57.30%		2021-12-31	54.80%	
19.1	19.1.3.2	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top five clearing members (if CCP has 10+ clearing members) - Average	2022-03-31	18.96%		2021-12-31	18.74%	
19.1	19.1.4.1	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top ten clearing members (if CCP has 25+ clearing members) - Peak	2022-03-31	51.84%		2021-12-31	49.29%	
19.1	19.1.4.2	Tiered participation arrangements, measures of concentration of client clearing	Percent of client transactions attributable to the top ten clearing members (if CCP has 25+ clearing members) - Average	2022-03-31	9.37%		2021-12-31	9.10%	
20.1	20.1.1	FMI Links, Value of Trades	Value of trades cleared through each link – as a share of total trade values/total notional values cleared	2022-03-31	N/A	20.1.1 to 20.7.2 - FMI Links are not applicable to SEOCH.	2021-12-31	N/A	20.1.1 to 20.7.2 - FMI Links are not applicable to SEOCH.
20.2	20.2.1	FMI Links, Initial Margin or equivalent financial resources provided	Initial margin or equivalent financial resources provided to each linked CCP by the CCP to cover the potential future exposure of the linked CCP on contracts cleared across link	2022-03-31	N/A		2021-12-31	N/A	
20.3	20.3.1	FMI Links, Initial Margin or equivalent financial resources collected	Initial margin or equivalent financial resources collected from each linked CCP to cover potential future exposure to the linked CCP on contracts cleared across link (at market value and post haircut)	2022-03-31	N/A		2021-12-31	N/A	
20.4	20.4.1.1	FMI Links, Results of Back-testing coverage	Number of times over the past twelve months that coverage provided by margin and equivalent financial resources held against each linked CCP fell below the actual marked-to-market exposure to that linked CCP – based on daily back testing results; Intraday or Continuous or Once-a-day	2022-03-31	N/A		2021-12-31	N/A	
20.4	20.4.1.2	FMI Links, Results of Back-testing coverage	Back-testing results frequency - state if measured intraday/continuously/once a day	2022-03-31	N/A		2021-12-31	N/A	
20.4	20.4.1.3	FMI Links, Results of Back-testing coverage	If 20.4.1.2 is 'once a day' then the time of day measure is taken, otherwise blank	2022-03-31	N/A		2021-12-31	N/A	
20.4	20.4.2	FMI Links, Results of Back-testing coverage	Number of observations (i.e. number of accounts multiplied by number of days covered in the back test); Intraday or Continuous or Once-a-day	2022-03-31	N/A		2021-12-31	N/A	
20.4	20.4.3	FMI Links, Results of Back-testing coverage	Achieved coverage level	2022-03-31	N/A		2021-12-31	N/A	
20.5	20.5.1.1	FMI Links, Additional pre-funded financial resources provided to	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources provided to each linked CCP, that are available to the linked CCP to cover exposures to the CCP	2022-03-31	N/A		2021-12-31	N/A	
20.5	20.5.1.2	FMI Links, Additional pre-funded financial resources provided to	Whether part of, additional to, or separate from the standard default fund	2022-03-31	N/A		2021-12-31	N/A	
20.6	20.6.1.1	FMI Links, Additional pre-funded financial resources collected from	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources collected from each linked CCP, that are available to the linked CCP to cover exposures to the CCP	2022-03-31	N/A		2021-12-31	N/A	
20.6	20.6.1.2	FMI Links, Additional pre-funded financial resources collected from	Whether part of, additional to, or separate from the standard default fund	2022-03-31	N/A		2021-12-31	N/A	



PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
20.7	20.7.1	FMI Links, Cross Margining	Value of trades subject to cross margining, by clearing service, as a percentage of total trade values/total notional values cleared	2022-03-31	N/A		2021-12-31	N/A	
20.7	20.7.2	FMI Links, Cross Margining	Reduction in total initial margin held by the CCP as a result of cross margining, as a percentage of total initial margin that would otherwise have been held.	2022-03-31	N/A		2021-12-31	N/A	
23.1	23.1.1	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Average Daily Volumes by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	2022-03-31	Please refer to supplementary table below		2021-12-31	Please refer to supplementary table below	
23.1	23.1.2	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Average Notional Value of trades cleared by Asset Class, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	2022-03-31	Please refer to supplementary table below		2021-12-31	Please refer to supplementary table below	
23.2	23.2.1	Disclosure of rules, key procedures, and market data; Non-Yet-Settled	Gross notional outstanding/total settlement value of novated but not-yet settled securities transactions by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	2022-03-31	N/A	23.2.1 - SEOCH does not clear cash market securities.	2021-12-31	N/A	23.2.1 - SEOCH does not clear cash market securities.
23.2	23.2.2	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Asset Class for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	2022-03-31	Please refer to supplementary table below		2021-12-31	Please refer to supplementary table below	
23.2	23.2.3	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Product Type for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	2022-03-31	Please refer to supplementary table below		2021-12-31	Please refer to supplementary table below	
23.2	23.2.4	Disclosure of rules, key procedures, and market data; Average Daily Volumes	Defines the Product Code for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1	2022-03-31	Please refer to supplementary table below		2021-12-31	Please refer to supplementary table below	
23.3	23.3.1	Disclosure of rules, key procedures, and market data; Execution Facility	Average daily volumes submitted by Execution facility or matching/confirmation venue	2022-03-31	1,282,729.73		2021-12-31	1,020,834.13	
23.3	23.3.2	Disclosure of rules, key procedures, and market data; Execution Facility	Notional contract values submitted by Execution facility or matching/confirmation venue	2022-03-31	HK\$44,274,933,209.88	23.3.2 - Notional values are denoted in HKD equivalent.	2021-12-31	HK\$41,895,921,315.07	23.3.2 - Notional values are denoted in HKD equivalent.

Supplementary Table

Disclosures 23.1 & 23.2

Product Types 23.2.3	Asset Class	Product Code 23.2.2	Currency	Current Quarter	Current Quarter	Current Quarter	Previous Quarter	Previous Quarter	Previous Quarter
				- Report Dates	- Average Daily Volumes	- Average Notional Value of trades	- Report Date	- Average Daily Volumes	- Average Notional Value of trades
				23.2.4	Please refer to supplementary table below			23.1.2	23.1.2
Equity Products	Stock Options	A500	HKD	2022-03-31	765	64,447,090	2021-12-31	873	79,966,111
Equity Products	Stock Options	AACO	HKD	2022-03-31	4,801	120,818,787	2021-12-31	3,717	135,047,556
Equity Products	Stock Options	ACCO	HKD	2022-03-31	4,825	100,644,123	2021-12-31	3,785	77,887,683
Equity Products	Stock Options	AIAO	HKD	2022-03-31	12,445	1,008,848,689	2021-12-31	9,714	840,516,206
Equity Products	Stock Options	AIRO	HKD	2022-03-31	839	10,160,230	2021-12-31	678	7,616,540
Equity Products	Stock Options	ALBO	HKD	2022-03-31	85,441	4,979,282,967	2021-12-31	66,461	5,123,676,270
Equity Products	Stock Options	ALCO	HKD	2022-03-31	3,014	31,493,387	2021-12-31	3,506	35,177,381
Equity Products	Stock Options	AMCO	HKD	2022-03-31	1,286	144,860,295	2021-12-31	1,242	148,780,667
Equity Products	Stock Options	ANAO	HKD	2022-03-31	8,432	190,768,731	2021-12-31	7,485	191,944,667
Equity Products	Stock Options	BCMO	HKD	2022-03-31	2,615	13,169,887	2021-12-31	2,515	11,689,608
Equity Products	Stock Options	BEAO	HKD	2022-03-31	673	1,934,313	2021-12-31	214	579,308
Equity Products	Stock Options	BOCO	HKD	2022-03-31	10,506	154,684,016	2021-12-31	3,613	45,084,127
Equity Products	Stock Options	BUDO	HKD	2022-03-31	1,126	24,748,672	2021-12-31	1,293	27,107,810
Equity Products	Stock Options	BYDO	HKD	2022-03-31	10,693	1,242,409,303	2021-12-31	11,435	1,635,488,651
Equity Products	Stock Options	CCCO	HKD	2022-03-31	4,334	20,546,743	2021-12-31	1,959	8,697,549
Equity Products	Stock Options	CCEO	HKD	2022-03-31	1,810	9,271,852	2021-12-31	1,077	5,650,483
Equity Products	Stock Options	CDAO	HKD	2022-03-31	247	1,837,336	2021-12-31	246	1,704,929
Equity Products	Stock Options	CGNO	HKD	2022-03-31	257	5,731,361	2021-12-31	205	4,599,063
Equity Products	Stock Options	CHTO	HKD	2022-03-31	46,310	1,261,569,434	2021-12-31	18,853	471,239,635
Equity Products	Stock Options	CHUO	HKD	2022-03-31	6,036	51,780,230	2021-12-31	5,533	46,679,883
Equity Products	Stock Options	CITO	HKD	2022-03-31	1,354	11,606,998	2021-12-31	1,380	10,795,159
Equity Products	Stock Options	CKHO	HKD	2022-03-31	3,083	86,465,221	2021-12-31	2,340	61,524,825
Equity Products	Stock Options	CKPO	HKD	2022-03-31	1,977	101,133,967	2021-12-31	2,476	116,067,238
Equity Products	Stock Options	CLIO	HKD	2022-03-31	16,287	221,321,525	2021-12-31	10,685	148,641,484
Equity Products	Stock Options	CLPO	HKD	2022-03-31	2,698	104,496,311	2021-12-31	1,952	73,878,056
Equity Products	Stock Options	CMBO	HKD	2022-03-31	10,225	316,487,336	2021-12-31	8,033	258,486,452
Equity Products	Stock Options	CNCO	HKD	2022-03-31	37,552	365,392,377	2021-12-31	27,038	228,178,778
Equity Products	Stock Options	COGO	HKD	2022-03-31	4,922	146,235,607	2021-12-31	2,753	95,104,905
Equity Products	Stock Options	COLO	HKD	2022-03-31	6,079	271,938,033	2021-12-31	3,701	131,525,270
Equity Products	Stock Options	CPAO	HKD	2022-03-31	229	1,652,921	2021-12-31	93	662,841
Equity Products	Stock Options	CPCO	HKD	2022-03-31	12,658	100,385,879	2021-12-31	12,449	95,180,403
Equity Products	Stock Options	CPIO	HKD	2022-03-31	2,614	57,409,541	2021-12-31	2,101	50,755,619
Equity Products	Stock Options	CRCO	HKD	2022-03-31	1,843	4,973,807	2021-12-31	1,478	3,877,738
Equity Products	Stock Options	CRGO	HKD	2022-03-31	1,634	7,633,741	2021-12-31	869	3,493,422
Equity Products	Stock Options	CRLO	HKD	2022-03-31	1,940	141,191,541	2021-12-31	2,227	144,602,413
Equity Products	Stock Options	CSAO	HKD	2022-03-31	1,735	144,176,311	2021-12-31	2,769	253,574,206
Equity Products	Stock Options	CSEO	HKD	2022-03-31	11,425	118,495,598	2021-12-31	12,110	108,330,738

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
Equity Products	Stock Options	CSPO	HKD	2022-03-31	2,710	49,538,295	2021-12-31	1,582	26,909,619
Equity Products	Stock Options	CTBO	HKD	2022-03-31	2,671	9,395,364	2021-12-31	720	2,412,286
Equity Products	Stock Options	CTCO	HKD	2022-03-31	6,442	38,624,511	2021-12-31	4,574	25,442,702
Equity Products	Stock Options	CTSO	HKD	2022-03-31	2,856	56,118,098	2021-12-31	2,197	44,318,302
Equity Products	Stock Options	DFMO	HKD	2022-03-31	674	8,982,872	2021-12-31	281	4,175,003
Equity Products	Stock Options	EVGO	HKD	2022-03-31	1,391	6,160,380	2021-12-31	3,828	27,647,794
Equity Products	Stock Options	GACO	HKD	2022-03-31	388	11,711,436	2021-12-31	432	13,309,289
Equity Products	Stock Options	GAHO	HKD	2022-03-31	3,784	316,996,025	2021-12-31	4,027	511,644,444
Equity Products	Stock Options	GLXO	HKD	2022-03-31	8,093	362,882,311	2021-12-31	6,207	272,339,460
Equity Products	Stock Options	GWMO	HKD	2022-03-31	11,808	125,754,639	2021-12-31	15,861	273,192,817
Equity Products	Stock Options	HAIO	HKD	2022-03-31	777	10,915,423	2021-12-31	637	9,102,441
Equity Products	Stock Options	HCFO	HKD	2022-03-31	1,405	105,373,361	2021-12-31	1,359	117,411,349
Equity Products	Stock Options	HEHO	HKD	2022-03-31	1,168	28,913,311	2021-12-31	1,380	32,720,651
Equity Products	Stock Options	HEXO	HKD	2022-03-31	62,536	2,551,414,262	2021-12-31	45,443	2,128,669,254
Equity Products	Stock Options	HGNO	HKD	2022-03-31	1,659	32,667,607	2021-12-31	1,365	27,588,794
Equity Products	Stock Options	HKBO	HKD	2022-03-31	56,421	1,197,847,030	2021-12-31	29,228	534,636,171
Equity Products	Stock Options	HKGO	HKD	2022-03-31	1,985	22,033,148	2021-12-31	1,195	14,232,571
Equity Products	Stock Options	HLDO	HKD	2022-03-31	1,308	44,124,328	2021-12-31	1,063	34,500,698
Equity Products	Stock Options	HNPO	HKD	2022-03-31	3,364	27,533,833	2021-12-31	1,512	13,191,971
Equity Products	Stock Options	HSBO	HKD	2022-03-31	8,465	128,353,230	2021-12-31	4,624	66,442,421
Equity Products	Stock Options	JDCO	HKD	2022-03-31	14,743	1,971,652,992	2021-12-31	9,636	1,499,508,651
Equity Products	Stock Options	JXCO	HKD	2022-03-31	2,774	39,103,852	2021-12-31	2,022	29,355,754
Equity Products	Stock Options	KLEO	HKD	2022-03-31	530	7,908,423	2021-12-31	403	5,892,298
Equity Products	Stock Options	KSOO	HKD	2022-03-31	1,936	60,687,082	2021-12-31	2,008	71,633,286
Equity Products	Stock Options	LENO	HKD	2022-03-31	4,350	74,905,689	2021-12-31	4,797	82,568,406
Equity Products	Stock Options	LNKO	HKD	2022-03-31	3,137	206,617,164	2021-12-31	2,698	183,842,000
Equity Products	Stock Options	MENO	HKD	2022-03-31	1,869	87,352,869	2021-12-31	1,622	76,773,635
Equity Products	Stock Options	METO	HKD	2022-03-31	53,730	5,007,879,139	2021-12-31	34,262	4,592,302,103
Equity Products	Stock Options	MGMO	HKD	2022-03-31	241	564,548	2021-12-31	105	220,947
Equity Products	Stock Options	MIUO	HKD	2022-03-31	35,106	568,355,385	2021-12-31	44,439	992,793,905
Equity Products	Stock Options	MSBO	HKD	2022-03-31	1,398	9,863,352	2021-12-31	1,483	10,104,889
Equity Products	Stock Options	MTRO	HKD	2022-03-31	1,674	34,773,787	2021-12-31	1,606	33,783,556
Equity Products	Stock Options	NBMO	HKD	2022-03-31	6,314	126,871,180	2021-12-31	5,959	117,574,921
Equity Products	Stock Options	NCLO	HKD	2022-03-31	999	24,027,393	2021-12-31	715	16,574,952
Equity Products	Stock Options	NTEO	HKD	2022-03-31	5,572	419,006,844	2021-12-31	5,415	440,655,079
Equity Products	Stock Options	NWDO	HKD	2022-03-31	1,148	36,046,557	2021-12-31	1,952	61,440,921
Equity Products	Stock Options	PAIO	HKD	2022-03-31	54,623	1,676,739,828	2021-12-31	52,370	1,612,428,254
Equity Products	Stock Options	PECO	HKD	2022-03-31	18,219	144,949,731	2021-12-31	16,956	128,419,149
Equity Products	Stock Options	PICO	HKD	2022-03-31	3,410	50,914,354	2021-12-31	1,493	20,892,165
Equity Products	Stock Options	PINO	HKD	2022-03-31	261	3,245,902	2021-12-31	133	1,657,571
Equity Products	Stock Options	RFPO	HKD	2022-03-31	17	77,784	2021-12-31	1	2,000
Equity Products	Stock Options	SANO	HKD	2022-03-31	12,351	103,477,220	2021-12-31	9,551	71,446,057
Equity Products	Stock Options	SBOO	HKD	2022-03-31	748	21,110,820	2021-12-31	988	30,570,024
Equity Products	Stock Options	SHKO	HKD	2022-03-31	4,142	390,624,590	2021-12-31	3,188	314,193,968
Equity Products	Stock Options	SHZO	HKD	2022-03-31	1,632	102,491,967	2021-12-31	1,380	111,334,603
Equity Products	Stock Options	SNOO	HKD	2022-03-31	3,071	563,094,836	2021-12-31	2,916	641,386,905
Equity Products	Stock Options	SNPO	HKD	2022-03-31	282	4,204,551	2021-12-31	268	4,115,416
Equity Products	Stock Options	SUNO	HKD	2022-03-31	13,857	254,034,597	2021-12-31	10,830	322,430,762
Equity Products	Stock Options	SWAO	HKD	2022-03-31	717	16,185,451	2021-12-31	468	11,083,222
Equity Products	Stock Options	TCHO	HKD	2022-03-31	213,170	9,068,009,328	2021-12-31	234,166	11,393,473,587
Equity Products	Stock Options	TICO	HKD	2022-03-31	3,606	247,072,418	2021-12-31	2,244	182,622,143
Equity Products	Stock Options	TRFO	HKD	2022-03-31	2,656	29,826,418	2021-12-31	1,678	20,354,214
Equity Products	Stock Options	VNKO	HKD	2022-03-31	1,271	23,383,492	2021-12-31	850	16,064,873
Equity Products	Stock Options	WHGO	HKD	2022-03-31	576	7,903,861	2021-12-31	456	6,889,075
Equity Products	Stock Options	WHLO	HKD	2022-03-31	80	2,059,574	2021-12-31	47	1,332,286
Equity Products	Stock Options	WWCO	HKD	2022-03-31	542	4,131,972	2021-12-31	386	2,392,208
Equity Products	Stock Options	XABO	HKD	2022-03-31	2,919	83,568,852	2021-12-31	2,500	65,947,651
Equity Products	Stock Options	XBCO	HKD	2022-03-31	41,280	123,609,082	2021-12-31	25,154	69,181,830
Equity Products	Stock Options	XCCO	HKD	2022-03-31	63,235	365,236,834	2021-12-31	45,643	248,431,832
Equity Products	Stock Options	XICO	HKD	2022-03-31	41,301	190,676,485	2021-12-31	32,820	145,074,416
Equity Products	Stock Options	XPBO	HKD	2022-03-31	2,267	70,962,721	2021-12-31	1,302	36,205,008
Equity Products	Stock Options	XTWO	HKD	2022-03-31	2,326	22,176,049	2021-12-31	3,842	39,694,286
Equity Products	Stock Options	YZCO	HKD	2022-03-31	2,135	80,498,984	2021-12-31	1,756	50,988,365
Equity Products	Stock Options	ZJMO	HKD	2022-03-31	1,066	23,727,590	2021-12-31	748	16,339,111
Equity Products	Stock Options	ALHO	HKD	2022-03-31	2,668	32,574,052	2021-12-31	2,748	58,365,222
Equity Products	Stock Options	KDSO	HKD	2022-03-31	490	18,659,475	2021-12-31	398	22,906,413
Equity Products	Stock Options	PHTO	HKD	2022-03-31	3,706	45,509,746	2021-12-31	3,253	70,758,040
Equity Products	Stock Options	SMCO	HKD	2022-03-31	2,188	107,120,451	2021-12-31	4,394	268,336,071
Equity Products	Stock Options	JDHO	HKD	2022-03-31	4,638	136,102,754	2021-12-31	4,541	169,728,349
Equity Products	Stock Options	WXBO	HKD	2022-03-31	15,970	573,507,254	2021-12-31	11,760	614,262,810
Equity Products	Stock Options	KSTO	HKD	2022-03-31	27,655	1,180,921,402	2021-12-31	20,950	1,042,738,270
Equity Products	Stock Options	BIUO	HKD	2022-03-31	19,166	427,651,193	2021-12-31	14,565	348,446,405
Equity Products	Stock Options	BLIO	HKD	2022-03-31	13,377	204,145,210	2021-12-31	7,380	251,629,000
Equity Products	Stock Options	HKEO	HKD	2022-03-31	18	211,730	2021-12-31	14	197,810
Equity Products	Stock Options	KLAO	HKD	2022-03-31	5	117,311	2021-12-31	1	13,619
Equity Products	Stock Options	YZAO	HKD	2022-03-31	7	143,918	2021-12-31	7	143,444
Equity Products	Stock Options	BYEO	HKD	2022-03-31	858	20,475,984	2021-12-31	643	19,825,635
Equity Products	Stock Options	DFAO	HKD	2022-03-31	2	38,102	2021-12-31	37	592,889
Equity Products	Stock Options	HDOO	HKD	2022-03-31	1,823	32,633,992	2021-12-31	1,809	50,163,317
Equity Products	Stock Options	LAUO	HKD	2022-03-31	1,734	37,171,393	2021-12-31	383	8,978,048
Equity Products	Stock Options	NFUO	HKD	2022-03-31	3,206	140,800,836	2021-12-31	1,369	63,467,603
Equity Products	Stock Options	TRPO	HKD	2022-03-31	1,487	42,087,996	2021-12-31	416	13,492,226
Equity Products	Stock Options	PENO	HKD	2022-03-31	5,995	180,228,230	2021-12-31	5,210	191,999,635
Equity Products	Stock Options	ZA00	HKD	2022-03-31	715	20,776,721	2021-12-31	419	12,824,873

PFMI Principle Reference	Disclosure Reference	Disclosure Title	Disclosure Description	Current Quarter - Report Date	Current Quarter - Data	Current Quarter - Notes	Previous Quarter - Report Date	Previous Quarter - Data	Previous Quarter - Notes
Equity Products	Stock Options	ANBO	HKD	2022-03-31	45	5,219,098	2021-12-31	188	26,222,937
Equity Products	Stock Options	WEBO	HKD	2022-03-31	244	6,149,033	2021-12-31	719	17,150,706
Equity Products	Stock Options	COSO	HKD	2022-03-31	1,834	70,213,728	2021-12-31	N/A	N/A
Equity Products	Stock Options	CTDO	HKD	2022-03-31	245	4,840,591	2021-12-31	N/A	N/A
Equity Products	Stock Options	GHLO	HKD	2022-03-31	832	34,033,536	2021-12-31	N/A	N/A
Equity Products	Stock Options	GLIO	HKD	2022-03-31	1,540	37,312,786	2021-12-31	N/A	N/A
Equity Products	Stock Options	LNIO	HKD	2022-03-31	3,127	110,418,411	2021-12-31	N/A	N/A
Equity Products	Stock Options	MOLO	HKD	2022-03-31	34	1,405,125	2021-12-31	N/A	N/A
Equity Products	Stock Options	SHLO	HKD	2022-03-31	1,807	50,115,732	2021-12-31	N/A	N/A
Equity Products	Stock Options	TCAO	HKD	2022-03-31	35,414	1,629,392,249	2021-12-31	N/A	N/A