

4:30-6:00pm, 6 Apr 2022 (Wednesday)

下午4時30分至6時正, 2022年4月7日(星期四)



## **Agenda**

- 01 | Overview of Clearing and Risk Management Arrangements
- 02 | Operational Highlights
- 03 | Recommended Risk Control
- 04 | Q & A session
- 05 | Appendices



## **Key Terminology for Derivatives Holiday Trading**

H CPs: Holiday Clearing Participants

NH CPs: Non-Holiday Clearing Participants

H-1 Day: The business day before Holiday Trading Day

H Day: Holiday Trading Day

H+1 Day: The business day after Holiday Trading Days

#### **Example of Buddha Holiday**

Scenario	H-1	H Day	H+1		
Date	6 May 2022 (Friday)	9 May 2022 (Monday)	10 May 2022 (Tuesday)		





## **Overview of Clearing and Risk Management Arrangements on H day**

Clea	Clearing & Collateral Management								
Post	-trade Activities	✓							
Colla	ateral Withdrawal	×							
Risk	Management								
	Initial Margin and Variation Adjustment ("VA") for <u>all</u> HKFE products	✓							
	Additional Margin (e.g. Concentration risk margin, CBPL margin, RF additional margin)	✓							
Margining	Mandatory Intra-Day VA and Margin Call arrangement	(applicable to <u>all HKFE products and extend to every trading day)</u>							
Ma	Holiday Margin (i) NH Products & (ii) H Products having margin offset with (i)	Apply Holiday Margin							
	(iii) Other H Products	Follow Normal Margin							
	Margin Offset	✓							
RF	RF sizing and settlement (including collection of additional contribution)	×							
Others	Default Management	✓							
₽	Recovery Plan	×							



## **Collateral for Margin and VA on H Days**

#### Summary

#### Margin

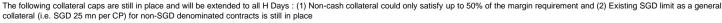
- HKD / USD contracts: Temporarily suspend the 50-50 collateral rule on H Days, accept > 50% of non-settlement currency as collateral
- > RMB / SGD / JPY contracts : Follow the same arrangement as HK Business Days#

#### **VA**

- HKD contracts: Settled in HKD first, any outstanding balance can be covered by USD
- USD / RMB / SGD / JPY contracts : Follow the same arrangement as HK BD (i.e. 100% settlement currency)
- Exceptional handling for HKD/USD VA Settlement on H Day which is HK & US Mutual Holiday (Refer to Slide 10)

#### Refer to Appendix 1 for details









## **Derivative Holiday Trading Arrangement Overview**

Clearing Participant is eligible to become a H CP on 9 May 2022 if they have

- 1. Successfully completed in **Readiness Test** and register as H CPs in Registration Link<sup>1</sup> by 14 April 2022
- 2. Confirmed trading, clearing operational and back office systems readiness
- 3. Confirmed the appointed settlement bank can support on H Day

#### **H** CPs

- Eligible to conduct post trade MSCI products and all other HKFE products on H Day
- H CPs will be required to settle all payment obligations on all HKFE products on H Day
- Clearing and Settlement services timeline in HKCC would follow that of the current Business Days
- Both DCASS and CCMS Reports will release to CP on all Trading Days

#### **NH CPs**

- NOT eligible to conduct post trade all HKFE products.
- NH CPs will **NOT** be required to fulfil HKCC payment obligations during H Days
- Both **DCASS and CCMS Reports will release** to CP on all Trading Days



## **H CPs Operation Highlights – Settlement & Collateral Management**

	Business Day (H-1 Day)	Holiday Trading Day (H Day)	Business Day (H+1 Day)
1	Prepare <b>sufficient funding</b> on H Day	<ol> <li>Cash settlement obligation / Settlement services timeline: No change</li> </ol>	To withdraw USD collateral  Input the withdrawal
2	Report layout change	2. Collateral deposit service: No Change	<ul> <li>instruction</li> <li>CPs may input Deposit Order in another currency by 09:15</li> </ul>
	CCMPY02 (Appendix 2)	3. Collateral withdrawal services: Not Available	to substitute the USD collateral
		4. Collaterlisation	
		During the day: Collect USD for HKD VA & Margin obligation; threshold unchanged	
		Prepare funding: Collect HKD on H+1 Day, refer to CCMPY02	
		4. Standing Withdrawal Instruction and Selected Currency arrangement for margin shortfall: Suppressed	



## H CPs Operation Highlights - Settlement & Collateral Management

## Special arrangement on mutual HK and US holidays

#### Business Day (H-1 Day)

Prepare sufficient funding for H Day:

- collateral deposit into CCMS by 11:00
- sufficient funding in CP's bank accounts

[NEW] Allow advance collateral deposit up to 16:00 by submitting written request

## Holiday Trading Day (H Day)

**[NEW]** If insufficient USD\* to be settled - request HKCC for **alternative currency** settlement arrangement. This means,

- 1. It is an **exception handling**. Such written request is subject to HKCC's approval;
- 2. HKCC supports on a best effort basis; and
- 3. H CP shall still observe the respective payment deadline as in a normal business day, or it would be regarded as **late payment**

## Business Day (H+1)

## To withdraw alternative currency

- Input the withdrawal instruction
- CPs may input Deposit Order in another currency by 9:15a.m. to substitute the USD collateral



<sup>\*</sup> Only applied to insufficient USD, i.e. all payment obligations in other currencies must be settled in their original currencies.

## NH CPs Operation Highlights - Settlement & Collateral Management

#### Business Day (H-1 Day)

#### T Session

H-1 day's **Payment obligation** will be settled on H+1 Day

#### T+1 Session

Transactions of VA & Fees,

- VA to be settled in MMC on H+1
- Fees would appear on H+1 dayend

## Holiday Trading Day (H Day)

- 1. Payment obligation: no need to fulfill
- 2. CCMS Common Report: available

#### Business Day (H+1 Day)

 to be shown in the section "LEDGER POSTING RESULT" of CCMPY01 / CCMPY02



## **H CPs Operation Highlight - Clearing**

H CPs can perform all types of post trades for all HKFE products on H Days

	Busir	ess Day	Trading	Holiday Day	Business Day				
Scenario	(H-	1 Day)	(I	H Day)	(H+1 Day)				
Post Trades on	H Product	NH Product	H Product	NH Product	H Product	NH Product			
H CP		Allowed							

## Trade & Position Give Up and Take Up Arrangement

H CPs vs H CPs

**Can** give up and take up trades/positions for all HKFE products on H Days.

H CPs vs NH CPs

**Cannot** complete trades/positions give up to NH CP on H-Day

H Products → Give up cannot be processed as NH CP is not eligible to clear H Products

NH Products → Pending request will be rejected by system automatically at system cutoff time 18:45.

Note: refer Appendix 3 for detailed Trade & Position Give up and Take up Arrangement



## **H CPs Operation Highlight - Clearing**

- HKCC DCASS reports are available on H Days.
- H CPs are reminded to retrieve and download these reports within 10 calendar days from H Day
- Trades and post trade activities of HKFE products executed during T+1 Session on H-1 Day (e.g. 6 May 2022) will be shown in <u>DCASS reports</u> (e.g. TP003) <u>on H Day</u> (e.g. 9 May 2022) with clearing date: H Day (e.g. 9 May 2022)

Trade /	Business (H-1 D	•	_	rading Day Day)	Business Day (H+1 Day)		
Post Trade Activities	Activities T Session T+		T Session	T+1 session	T Session	T+1 session	
Records will be shown in HKCC Report	On H-1 Day	On H	I-Day	On H+	-1 Day	On H+2 Day	

#### Risk Parameter Files:

- ✓ Format : No format change (i.e. include all HKCC and SEOCH products)
- ✓ Timing of Release : <u>Same</u> as normal business day (i.e. ~15 mins before market open, ~13:00, ~19:00\*, ~ midnight, after each intra-day margin call at T session and CBPL monitoring at T+1 session)
- No SEOCH DCASS reports (except RPF) are available on H Days.



After the implementation of extension of T session closing hours, HKEX will release additional RPF at ~20:00. For details, please refer to the Materials for Briefing Session (Jan 2022) (<a href="https://www.hkex.com.hk/-media/HKEX-Market/Services/Trading/Derivatives/Trading-Mechanism/Derivatives-Holiday-Trading/Briefing-for-DHT-and-Extension-of-T-Session-Closing-Hours.pdf?la=en</a>

## **NH CPs Operation Highlight - Clearing**

#### 1. Post Trade Arrangement

- Cannot perform any post trades on H Days
- Can only perform post trades (for NH products) during T+1 Session on H-1 Day or on H+1 Day which is a normal Business Day

	Busir	ness Day	Holiday	Trading Day	Business Day			
Scenario	H-	1 Day	l	H Day	H+1 Day			
Post Trades	H Product	NH Product	H Product NH Product		H Product	NH Product		
NH CP	N/A	Allowed	N/A Allowed					

#### 2. Trade & Position Give Up and Take Up Arrangement

- Cannot give up or take up trades/positions for all products on H Days
- Must <u>complete</u> take up trades/positions <u>before T+1 session cutoff time at 03:00 on H-1 Day</u>. Otherwise, <u>resubmit</u> give up and take up requests before system cutoff time on H+1 Day 18:45.

#### 3. Clearing Reports

- HKCC DCASS reports are available on H Days
- Same arrangement as H CP. Please refer to H Day Reports for trades and post trade activities of HKFE products executed during T+1 Session on H-1 Day.



## How to become a H CP after 9 May 2022?

- 1. Confirm trading, clearing operational and back office systems readiness
- 2. Confirm the setup of **bank mandate** is ready
- 3. Confirm the **currency accounts** ready and appointed settlement bank can support on H Day
- 4. Declare the above items by sending email to <a href="mailto:clearingpsd@hkex.com.hk">clearingpsd@hkex.com.hk</a>





## **Recommended Risk Controls (for H CPs)**

Arrangement with appointed settlement bank and liquidity monitoring

 Areas	Details
Clearing House Reports Review	Update settlement control checklist / dashboard with H day related settlement reports and timelines
Liquidity Forecast	Conduct funding estimate at currency level
Pre-funding	<ul> <li>Arrange funding in advance on H-1 day</li> <li>Extend pre-funding or credit facilities coverage to non-HKD and H day</li> </ul>
E-banking and Transfer Authorisaton	<ul> <li>Proper e-banking authorization and limits, coverage include FX conversion and inter-bank transfer</li> <li>Proper authorization granted to staff on duty to conduct funding transfer on H day</li> </ul>

## **Recommended Risk Controls**

 Contingency plan in case of late payment (insufficient funding is found in designated bank account on H day)

Important: Any failure to meeting clearing house obligations would trigger an event default and could have serious consequence on your firm

	Areas	Details
\$ <b>=</b>	Ability to provide proof of financial position	Sufficient authorization to allow staff on duty to provide bank balance to clearinghouse upon request
EANK TRANSFER	Ability to conduct immediate funding transfer	Proper limit and authorization assigned to conduct third party account transfer (i.e. between CP's bank accounts and to HKCC bank accounts)
\$7 L€	Currency of obligations	Prepare to provide and transfer cash collateral other that the currency of the obligation at last resort



1. Is there any intraday Risk Parameters Files (RPF) generated during H Days?

Yes, same as current, RPF (including intraday RPF) will be generated on H Days.

2. Can CP give up trades executed during T+1 Session ("T+1 Session trades") on H-1 Day to NH CP on H+1 Day?

For NH products, both H CPs and NH CPs can give up T+1 Session trades executed on H-1 Day to NH CPs on H+1

Day before the System Input Cutoff Time at 18:45.

For H products, give up and take up are allowed between H CPs only.



#### 3. Will Clearing House increase margin prior to or during a long holiday?

Currently, HKCC will increase the margin levels temporarily (i.e. holiday margin) for some major products before public holidays. Same arrangement will continue to apply to the following products after the implementation of holiday trading:

- (i) NH products (e.g. HSI and HSCEI products)
- (ii) H products which has margin offset with NH products

For other H products which do not have margin offset with any NH products, normal margin will be applied. Nevertheless, HKCC has the discretion to apply holiday margins or increase margins on products which may pose liquidity concerns on H days.

With the implementation of Holiday Trading, we will continue to conduct adhoc margin review for H products on H Days (i.e. the effective day of increased margin rates can fall on H Day).

Nevertheless, for the scheduled monthly margin review, the effective day of new margin rates for all products including H products will remain as the next HK Business Day (i.e. not fall on H Day).

H CP is required to settle all margin obligations with the prevailing margin rates (including the adhoc increase in margin) on H Day.



4. For CBPL monitoring for H CPs, will positions from NH products also be included during H day?

Yes. Same as the current practice on Business Day, all positions (including both H and NH positions) will be included in CBPL monitoring on H Day. H CP will be required to pay additional margin (if any) on H Day while H CPs will not be required to fulfill any payment obligation on H Days.

5. Can H CP perform annulment of position netting of H and NH products on H day?

Yes, H CP can submit annulment of position netting request in DCASS for all HKFE products (include both H and NH products) on H Day.



6. In term of fairness of market practice, should H CP be treated the same asNH CP that no need to settle margin obligation for non-H product?

With the introduction of Holiday Trading, H CPs' portfolio are exposed to market risks on H Days in the same way as on Business Days. Therefore, to ensure appropriate and adequate risk arrangements for HKCC, HKCC will follow the existing practice by enforcing the timely settlement on a daily basis from H CPs on H Days. For NH CPs, no settlement is required on H Days given that they do not trade or clear on those days.

7. Can H CP revise its Liquid Capital (CP) Apportionment on H Day?

As HKSCC and SEOCH markets are not open on H Day, HKCC CP cannot revise its liquid capital apportionment on H Day.



8. For H CP client not trading H product, do they need to settle margin short fall on H day?

As per our FAQ and the attachment dated 14 Jan (Ref: MO/DO/014/22), the Exchange requires H Participants to issue margin calls during H Days to their clients who trade H Products.

9. Where could I find the list of all H products?

You may refer to the list in Derivatives Holiday Trading website

https://www.hkex.com.hk/Services/Trading/Derivatives/Overview/Trading-Mechanism/Derivatives-Holiday-

Trading?sc\_lang=en



10. After becoming H CP, the HKD margin will be settled in USD on H day? Is there still a DDI in HKD to be settled in HKD?

#### H-1 Day

H CPs are expected to arrange sufficient funding in the respective currency or credit facilities with appointed settlement banks in advance to meet obligation requirements at all time.

#### H Day

For HKD Margin and VA/fee obligation:

Margin: will be covered first by HKD available in CCMS accounts, then the shortfall will be covered by other cash and non-cash collateral. Any remaining obligation will be settled in USD via DDI.

VA/fee: will be first covered with HKD available in CCMS accounts. Any remaining obligation above HKD 1 million will be settled in USD via DDI on H day. The USD collected will be released at dayend on the last H day.

Settlement deadline for all money obligations remain unchanged on H Day



Example 1:

A H CP has HKD 1 Million in CCMS collateral account

When there is VA obligation of HKD 7 Million arising from MMC, it will be first covered by the HKD 1 Million. Since there is still a HKD 6 Million shortfall, given it is above the threshold of HKD 2 Million, it would collected by DDI in USD for HKD 6 Million shortfall.

USD collateral which is used to cover HKD settlement obligations during H day will be released at the day-end of the last H day.

#### On H+1 Day

Any excess USD collateral (which was released during day end of H Day and remained as excess collateral after the day-end process on H Day) will be available for withdrawal on H+1 Day. Any payment obligation including HKD obligation after the day-end process on H Day will be collected on H+1 Day by 09:15 as usual. Use of HKD to meet money obligation for HKD denominated contracts will resume.



11. Do we have to report LOP on the HK holiday?

The new LOP reporting procedures for Derivatives Holiday Trading will only apply on H products, please refer to the <u>Circular</u> for details.

12. As an H CP, please confirm if we still need to submit the LOP report for both H and NH products for the holiday?

LOP reporting is required if an EP or its client holds open position in excess of a LOP in any H-Contracts, a LOP

Report shall be filed with HKFE by no later than 12:00 noon of the next Trading Day, whether it is a Hong Kong public holiday or not, after the positions are opened or accumulated, and shall continue to file the LOP Report as long as the prescribed reporting level remains to be exceeded. Please refer to the <u>Circular</u> for details.



13. For NHCP, Is it still possible for day trade MSCI contract in normal business day?

The trading and clearing rights to access MSCI contracts will be removed for NH Participants, NH Participants will not be able to conduct any MSCI contracts trading activities.

14. Refer to FAQ on public website, H CPs are required to fulfill H-1 shortfall for all HKFE products on H-Day. if some of my institution clients does not want to join the holiday trading, should I request our client to fulfill H-1 shortfall for all HKFE products on H-Day?

As per our FAQ and the attachment dated 14 Jan (Ref: MO/DO/014/22), the Exchange requires H Participants to issue margin calls during H Days to their clients who trade H Products.



15. 6 May 2022 T+1 trades' settlement date as 10 May 2022?

For H CPs, T+1 settlement obligations of H-1 are required to settle on H Day 9th May 2022.

For NH CPs, T+1 settlement obligations of H-1 are required to settle on H+1 Day 10th May 2022

16. Can CP net down/offset the position for T+1 trades during T+1 sessions for H/ NH products

Same as current practice, H CP can net down/offset the position resulted from T+1 trades during T+1 Sessions for all

HKFE products (including both H and NH products) on all trading days. (including H Day and Business Day)

NH CP can net down/offset the position resulted from T+1 trades during T+1 Sessions for NH products only on

Business Day.



17. Do I need to pay VA in holiday if we are NH CPs?

NH CPs will not be required to fulfill any HKCC payment obligations during H day, and any outstanding payment obligation will be settled on H+1

18. T+1 trade will show on holiday report or normal day report?

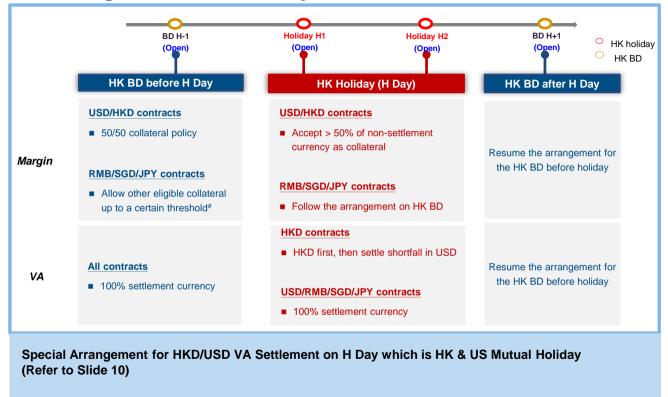
Trade or post-trade activities of all HKFE products (including both H and NH products) executed during the T+1 Session on H-1 Day will be recorded in the DCASS reports on H Day.





## **Appendix 1**

## **Collateral for Margin and VA on H Days**



#### Note:

The following collateral caps are still in place and will be extended to all H Days: (1) Non-cash collateral could only satisfy up to 50% of the margin requirement and (2) Existing SGD limit as a general collateral (i.e. SGD 25 mn per CP) for non-SGD denominated contracts is still in place



#### **Appendix 2**

# CCMPY02 Report – Outstanding Margin/ DDI from Non-H-Product (For Holiday Trading CPs) H-1 Day H Day

DUN TTUE 40 43 43

			POSTING / COLLATERALISATIO (DAY-END)	N RESULT REPORT		RUN TIME : 19:47:17 PAGE : 6	CCMPY02				POSTING /	HKEX - CCMS COLLATERALISATION RESUL (DAY-END)	T REPORT		RUN DATE : 25NOV21 RUN TIME : 15:06:0 PAGE : 3
	G HOUSE : HKO BATCH NO : 001 ME :						CCMS DATE CLEARING PAYMENT E FIRM NAME PART NAME	HOUSE : BATCH NO :	08NOV21 HKCC 0003	30		(DAT-END)			TAGE .
FIRM ID  BF01234	PART ID A/C  HKABC1 CI		STATUS				FIRM ID	PART ID	A/C TYPE A/		STATUS				
			****************	********	************	*******	BF01234	HKABC1		0001	Α				
CCY 0	B/TXN CONTRACT ON F	HOLD	NERAL COLLATERAL EARMARKED CASH NON-	CASH	SHORTFALL	SHORTFALL PENDING FOR COLLECTION		CUST A/C CODE		0B/TXN	CCY	AMOUNT	ORG CCY	ORG AMOUNT	EX RATE
SGD M USD M	GN GN GN	0.00 668,653.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	3,041,859.00 20,506.00 52,152.99 459,365.99	0.00 0.00 0.00 0.00	HKCABC C1 HKCABC C1 HKCABC C1 HKCABC C1 HKCABC C1	1 1 1	HHI STOCK MNOP3 MNOP4 MNOP1	MGN MGN MGN MGN MGN	HKD HKD JPY SGD USD	1,756,406.00 1,355,822.00 674,155.00 41,605.00			
CASH IN				ENERAL CASH COLLATER	RAI	TOTAI			DUCED FROM NO		-	HKD outstanding d to be collected on h			,
CCY	AMOUNT (A)	PEND SH DDI	AMOUNT (B)	OUTSD DR	PEND SH DDI	(A) + (B)		1,497,305				USD collateral to be			9:1 <u>5</u>
JPY SGD USD	668,653.6 0.6 0.6	90 20,506 90 52,152	.00 0.00 .99 0.00	0.00 0.00 0.00	0.00 0.00 392,441.74	668,653.00 0.00 0.00			E-POSTING LED						
ACCOUNT	TDMV/TEMV BALANC	CE					LEDGER PO	OSTING							
	TOTAL DI	ISCOUNTED MARKET VAL CASH TDMV	NON-CASH TDMV	T01 TEMV	TAL EARMARKED VALUE CASH TEMV	NON-CASH TEMV						Re	mark:		
	3,041,858.99	3,041,858.99	0.00	3,041,858.99	3,041,858.99	0.00						- E	xisting sec	tion - New sec	tion

REMARKS: UNDER ACCOUNT LEVEL TDMV, \$ 3,041,858.99 IS PENDING FOR COLLECTION.

SHORTFALL / OUTSTANDING DEBIT NOT INCLUDED IN DIRECT DEBIT INSTRUCTION TO BE COLLECTED ON NEXT HK BUSINESS DAY

CCY SHORTFALL AMOUNT OUTSD DR

HKD 0.00 1,497,250,824.94

DOCTANG A COLLAROUS TOUTON DECINE DECOME

Shortfall: margin obligation to be collected on the  $\underline{H+1}$  day morning call; shortfall amount being 0 in HKD as USD collateral will be collected on H day instead (refer to CCMIR02 report for exchange rate/ haircut rate) Outstanding debit: VA + fees (does not include margin) on the  $\underline{H-1}$  day



# **Appendix 3 Trade & Position Give Up and Take Up Arrangement**

Scenario	- G/U (T/U)	Business	s Day (H-1)	Holiday Trad	Business Day (H+1)					
Session (	T or T +1 )	T Session	T+1 Session	T Session	T+1 Session	T Session	T+1 Session			
Holiday Trading Products	H CP G/U to another H CP		Allow to G/U and T/U, same as normal business day							
(e.g. MSCI Futures)	H CP G/U to NH CP		G/U will not be allowed, as NH CP is not eligible to clear MSCI products							
	H CP G/U to another H CP		Allow to G/U and T/U, same as normal business day							
Other HKFE Products (e.g. HSI Futures, HSCEI Futures, Stock Futures)	H CP G/U to NH CP	Allow to G/U and T/U, same as normal business day	Allow to G/U. NH CP must accept T/U before T+1	Allow to G/U, but NH CP is not allowed to accept T/U on H Day.  Pending G/U record will eventually be rejected by system automatically during System Cutoff Time at 18:45	Allow to G/U, but NH CP only allowed to T/U trades by T session	Allow to G/U same as norma	,			

Note: Any pending trade/position give up will be rejected by system on the next clearing cutoff time (e.g. trade executed during T+1 Session on 6 May 2022 can be taken up by NH CP before T+1 Session Cutoff Time at 03:00 on 7 May 2022.)



# Appendix 4 Key Summary of Clearing and Settlement & Collateral Management

#### **Clearing**

- Post Trades Arrangement
  - H CPs can perform post-trade activities for all HKFE products on H Day.
  - NH CP cannot perform any kinds of post trades on H Days
- Clearing Reports
  - H CP: A set of HKCC DCASS reports are available on H Days. H Day Reports will include trades and post trade activities of HKFE products executed during T+1 Session on H-1 Day and T Session on H Day.
  - NH CP: A set of HKCC DCASS reports are available on H Day. H Day Reports will include trades and post trade activities of HKFE products executed during T+1 Session on H-1 Day only.

#### **Settlement & Collateral Management**

- H CPs are required to settle all payment obligations under the existing settlement timeline
- HKD VA H-1 T session and fees. > 1Mn, will be collected by USD
- No withdrawal of collateral during H Days
- No settlement of Reserve Fund additional contribution
- USD Funding on H-1 for HKD/USD mutual holiday
- Refer to risk control guideline in briefing circular



# Thank you

For enquiry, please email to clearingpsd@hkex.com.hk

