## Part IV: Risk-weighted Amount for Market Risk

# Division A: STM Approach - Interest Rate Exposures (Trading Book)

### A.1 Debt securities and debt-related derivative contracts - specific risk

							t risk capital charge	factor for specific ris	sk		
						Residual maturity					Total market ris
	Item	Classes (Note (1))	Positions		6 months or less	Over 6 months to 24 months	Over 24 months			To be specified	capital charge f specific risk
				(0.00%)	(0.25%)	(1.00%)	(1.60%)	(8.00%)	(12.00%)	( %)	
		Sovereign (including sovereign foreign public sector entities)									
(3)	1.1	Credit quality grade 1	Long	88,116							
``			Short								
	1.2	Credit quality grade 2 or 3	Long								
			Short								
	1.3	Credit quality grade 4 or 5	Long								
			Short								
	1.4	Credit quality grade 6	Long								
			Short								
	1.5	Unrated	Long								
			Short								
		Qualifying									
	1.6	Issued by multilateral development banks	Long								
			Short								
	1.7	Issued by public sector entities (excluding sovereign foreign public sector entities)	Long								
		······,	Short								
	1.8	Issued by banks	Long								
		,	Short								
	1.9	Issued by securities firms	Long								
			Short								
	1.10	Issued by corporates	Long								
			Short								
		Non-qualifying									
(12)	1.11	Credit quality grade 4	Long					10,000			
			Short								
	1.12	Credit quality grade 5	Long								
(13)			Short						1,000		
(2)	1.13	Unrated	Long					40,732			
			Short								
		TOTAL (Items 1.1 to 1.13)	Long	88,116	0	0	0	50,732	0	0	
			Short	0	0	0	0	0	1,000	0	
		Market risk capital charge factor		0.00%	0.25%	1.00%	1.60%	8.00%	12.00%	%	
		TOTAL MARKET RISK CAPITAL CHARGE FOR SPECIFIC RISK FOR IN	TEREST RATE	0	c		0	4,059	120		) 4

Note: For debt-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out and reported in Division E.1.

A.2

Currency :

HKD (separate form for each currency)

#### Maturity method

Zone	Time band	Cou	pon			Individual	positions			Risk-weight	Risk-weighte	d positions
		Coupon of not less than 3% per annum	Coupon of less than 3% per annum	Debt securities derivative of		Interest rate deriv	ative contracts	Tota	al			
		annum	annum	Long	Short	Long	Short	Long	Short	-	Long	Short
1	1	≤1 month	≤1 month					0	0	0.00%		
	2	>1 to 3 months	>1 to 3 months			500	24,653	500	24,653	0.20%	1	49
	3	>3 to 6 months	>3 to 6 months			153,783	48,589	153,783	48,589	0.40%	615	194
	4	>6 to 12 months	>6 to 12 months			47,852	19,141	47,852	19,141	0.70%	335	134
2	5	>1 to 2 years	>1.0 to 1.9 years			18,531		18,531	0	1.25%	232	C
	6	>2 to 3 years	>1.9 to 2.8 years		1,026		159,766	0	160,792	1.75%	0	2,814
	7	>3 to 4 years	>2.8 to 3.6 years					0	0	2.25%	0	C
3	8	>4 to 5 years	>3.6 to 4.3 years					0	0	2.75%	0	C
	9	>5 to 7 years	>4.3 to 5.7 years					0	0	3.25%	0	C
	10	>7 to 10 years	>5.7 to 7.3 years					0	0	3.75%	0	C
	11	>10 to 15 years	>7.3 to 9.3 years					0	0	4.50%	0	C
	12	>15 to 20 years	>9.3 to 10.6 years					0	0	5.25%	0	C
	13	>20 years	>10.6 to 12 years					0	0	6.00%	0	0
	14		>12 to 20 years					0	0	8.00%	0	0
	15		>20 years					0	0	12.50%	0	0
		TOTAL		0	1,026	220,666	252,149	220,666	253,175		1,183	3,191
		OVERALL NET OPEN RISK-WEI	GHTED POSITION	ı — — — — — — — — — — — — — — — — — — —		1					(2,00	18)

	Vertical	Hori	zontal disallowan	ce in	Horizon	tal disallowance	between	Overall net	Total market
Calculation	disallowance	Zone 1	Zone 2	Zone 3	Zones 1 & 2	Zones 2 & 3	Zones 1 & 3	open risk- weighted position	risk capital charge for general market risk
TOTAL MARKET RISK CAPITAL CHARGE FOR GENERAL MARKET RISK FOR INTEREST RATE EXPOSURES	33	19	70	0	230	0	0	2,008	2,360

Note: For debt-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out and reported in Division E.1.

Currency : HKD (separate form for each currency)

A.2

## Maturity method (Calculation of each component of total market risk capital charge for general market risk for interest rate exposures)

Zone	Time band	Cou Coupon of not less than 3% per	pon Coupon of less than 3% per	Risk-weight	ed positions	By ba	and	By zo	one	Between zones	Calculation of total market risk capital charge for general risk for interest rate exposures	marke
		annum	annum	Long	Short	Matched (in absolute value)	Unmatched	Matched (in absolute value)	Unmatched	Matched (in absolute value)	For the vertical disallowance	
1	1	≤1 month	≤1 month	0	0	0	0				329 x 10%	
	2	>1 to 3 months	>1 to 3 months	1	49	1	(48)	48	574	574		
	3	>3 to 6 months	>3 to 6 months	615	194	194	421	40	0/4	014	For the horizontal disallowance in zone 1	
	4	>6 to 12 months	>6 to 12 months	335	134	134	201				48 x 40%	
2	5	>1 to 2 years	>1.0 to 1.9 years	232	0	0	232					
	6	>2 to 3 years	>1.9 to 2.8 years	0	2,814	0	(2,814)	232	(2,582)		For the horizontal disallowance in zone 2	
	7	>3 to 4 years	>2.8 to 3.6 years	0	0	0	0				232 x 30%	
3	8	>4 to 5 years	>3.6 to 4.3 years									
	9	>5 to 7 years	>4.3 to 5.7 years								For the horizontal disallowance between zone 1 & zone 2	
	10	>7 to 10 years	>5.7 to 7.3 years								574 x 40%	
	11	>10 to 15 years	>7.3 to 9.3 years									
	12	>15 to 20 years	>9.3 to 10.6 years								For the overall net open position	
	13	>20 years	>10.6 to 12 years								2,008 x 100%	2,
	14		>12 to 20 years									2,
	15		>20 years									
		TOTAL		1,183	3,191	329						
		OVERALL NET OPEN RISK-WEI	GHTED POSITION	(2,0	(80)		1					

A.2

Currency :

USD (separate form for each currency)

#### Maturity method

Г	Zone	Time band	Cou	non			Individual	positions			Risk-weight	Risk-weighte	(HK\$'000)
			Coupon of not less than 3% per	Coupon of less than 3% per	Debt securities derivative		Interest rate deri		Tota	1			
			annum	annum	Long	Short	Long	Short	Long	Short		Long	Short
	1	1	≤1 month	≤1 month					0	0	0.00%		
(3)		2	>1 to 3 months	>1 to 3 months		8,283			0	8,283	0.20%	0	17
		3	>3 to 6 months	>3 to 6 months					0	0	0.40%	0	(
(2)		4	>6 to 12 months	>6 to 12 months	40,732				40,732	0	0.70%	285	C
	2	5	>1 to 2 years	>1.0 to 1.9 years					0	0	1.25%	0	(
		6	>2 to 3 years	>1.9 to 2.8 years					0	0	1.75%	0	(
		7	>3 to 4 years	>2.8 to 3.6 years					0	0	2.25%	0	(
	3	8	>4 to 5 years	>3.6 to 4.3 years					0	0	2.75%	0	(
(3)		9	>5 to 7 years	>4.3 to 5.7 years	8,283				8,283	0	3.25%	269	(
(1)		10	>7 to 10 years	>5.7 to 7.3 years	79,833				79,833	0	3.75%	2,994	C
		11	>10 to 15 years	>7.3 to 9.3 years					0	0	4.50%	0	C
		12	>15 to 20 years	>9.3 to 10.6 years					0	0	5.25%	0	C
		13	>20 years	>10.6 to 12 years					0	0	6.00%	0	(
		14		>12 to 20 years					0	0	8.00%	0	(
		15		>20 years					0	0	12.50%	0	(
			TOTAL		128,848	8,283	0	0	128,848	8,283		3,548	17
			OVERALL NET OPEN RISK-WEI	GHTED POSITION					·			3,50	31

	Vertical	Horiz	zontal disallowar	nce in	Horizon	tal disallowance l	between	Overall net	Total market
Calculation	disallowance	Zone 1	Zone 2	Zone 3	Zones 1 & 2	Zones 2 & 3	Zones 1 & 3	open risk- weighted position	risk capital charge for general market risk
TOTAL MARKET RISK CAPITAL CHARGE FOR GENERAL MARKET RISK FOR INTEREST RATE EXPOSURES	0	7 (17X40%)	0	0	0	0	0	3,531	3,538

Note: For debt-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out a

A.2

Currency :

EUR (separate form for each currency)

#### Maturity method

Zone	Time band	Cou	pon			Individual	positions			Risk-weight	Risk-weighte	d positions
		Coupon of not less than 3% per annum	Coupon of less than 3% per annum	Debt securities derivative		Interest rate deriv	vative contracts	Tota	al			
		annum	annum	Long	Short	Long	Short	Long	Short		Long	Short
1	1	≤1 month	≤1 month					0	0	0.00%		
	2	>1 to 3 months	>1 to 3 months			49,597		49,597	0	0.20%	99	
	3	>3 to 6 months	>3 to 6 months					0	0	0.40%	0	
	4	>6 to 12 months	>6 to 12 months					0	0	0.70%	0	
2	5	>1 to 2 years	>1.0 to 1.9 years					0	0	1.25%	0	
	6	>2 to 3 years	>1.9 to 2.8 years					0	0	1.75%	0	
	7	>3 to 4 years	>2.8 to 3.6 years					0	0	2.25%	0	
3	8	>4 to 5 years	>3.6 to 4.3 years					0	0	2.75%	0	
	9	>5 to 7 years	>4.3 to 5.7 years					0	0	3.25%	0	
	10	>7 to 10 years	>5.7 to 7.3 years					0	0	3.75%	0	
	11	>10 to 15 years	>7.3 to 9.3 years					0	0	4.50%	0	
	12	>15 to 20 years	>9.3 to 10.6 years					0	0	5.25%	0	
	13	>20 years	>10.6 to 12 years					0	0	6.00%	0	
	14		>12 to 20 years					0	0	8.00%	0	
	15		>20 years					0	0	12.50%	0	
		TOTAL		0	0	49,597	0	49,597	0		99	
		OVERALL NET OPEN RISK-WEI		I		11					99	

	Vertical	Hori	zontal disallowan	ice in	Horizon	tal disallowance	between	Overall net	Total market
Calculation	disallowance	Zone 1	Zone 2	Zone 3	Zones 1 & 2	Zones 2 & 3	Zones 1 & 3	open risk- weighted position	risk capital charge for general market risk
TOTAL MARKET RISK CAPITAL CHARGE FOR GENERAL MARKET RISK FOR INTEREST RATE EXPOSURES	0	0	0	0	0	0	0	99	99

Note: For debt-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out a

A.2

Currency :

GBP (separate form for each currency)

#### Maturity method

Zone	Time band	Cou	pon			Individual p	ositions			Risk-weight	Risk-weighte	d positions
		Coupon of not less than 3% per annum	Coupon of less than 3% per annum	Debt securities derivative		Interest rate deriv	ative contracts	Tota	I			
		annum	annum	Long	Short	Long	Short	Long	Short	-	Long	Short
1	1	≤1 month	≤1 month					0	0	0.00%		
	2	>1 to 3 months	>1 to 3 months					0	0	0.20%	0	0
	3	>3 to 6 months	>3 to 6 months				1,277	0	1,277	0.40%	0	5
	4	>6 to 12 months	>6 to 12 months			1,234	3,813	1,234	3,813	0.70%	9	27
2	5	>1 to 2 years	>1.0 to 1.9 years			3,676	4,865	3,676	4,865	1.25%	46	61
	6	>2 to 3 years	>1.9 to 2.8 years			4,683		4,683	0	1.75%	82	C
	7	>3 to 4 years	>2.8 to 3.6 years					0	0	2.25%	0	C
3	8	>4 to 5 years	>3.6 to 4.3 years					0	0	2.75%	0	C
	9	>5 to 7 years	>4.3 to 5.7 years					0	0	3.25%	0	0
	10	>7 to 10 years	>5.7 to 7.3 years					0	0	3.75%	0	C
	11	>10 to 15 years	>7.3 to 9.3 years					0	0	4.50%	0	0
	12	>15 to 20 years	>9.3 to 10.6 years					0	0	5.25%	0	0
	13	>20 years	>10.6 to 12 years					0	0	6.00%	0	C
	14		>12 to 20 years					0	0	8.00%	0	C
	15		>20 years					0	0	12.50%	0	0
		TOTAL		0	0	9,593	9,955	9,593	9,955		137	93
		OVERALL NET OPEN RISK-WEI	GHTED POSITION	1				1			44	

	Vertical	Hori	zontal disallowan	ce in	Horizon	tal disallowance	between	Overall net	Total market
Calculation	disallowance	Zone 1	Zone 2	Zone 3	Zones 1 & 2	Zones 2 & 3	Zones 1 & 3	open risk- weighted position	risk capital charge for general market risk
TOTAL MARKET RISK CAPITAL CHARGE FOR GENERAL MARKET RISK FOR INTEREST RATE EXPOSURES	6 (55X10%)	0	5 (15X30%)	0	9 (23X40%)	0	0	44	64

Note: For debt-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out a

## Division B: STM Approach - Equity Exposures (Trading Book)

										(HK\$'00
						Stock or futur	es exchanges			
	Item	Nature of item	Positions	Hong Kong		Outsid	e Hong Kong (No	ote (1))		Total
					US					
(10)	1.	Common stocks	Long	750	11,000					11,7
			Short							
	2.	Convertible securities	Long							
			Short							
	3.	Commitments to buy or sell equities and equity forward contracts	Long							
			Short							
	4.	Equity swap contracts (Note (2))	Long							
			Short							
(11)	5.	Futures contracts relating to equity indices	Long							
			Short	500						Ę
	6.	Futures contracts relating to individual equities	Long							
			Short							
	7.	Option contracts relating to equity indices (Note (3))	Long							
			Short							
	8.	Option contracts relating to individual equities (Note (3))	Long							
			Short							
	9.	Others	Long							
			Short							
		TOTAL	Long	750	11,000	0	0	0	0	11,7
			Short	500	0	0	0	0	0	5
		Calculation								
	(A)	Gross (long plus short) positions		1,250	11,000	0	0	0	0	12,2
		Market risk capital charge factor		8%	8%	8%	8%	8%	8%	
		Market risk capital charge for specific risk		100	880	0	0	0	0	
	(B)	Net long or short positions (in absolute value)		250	11,000	0	0	0	0	11,
		Market risk capital charge factor		8%	8%	8%	8%	8%	8%	
		Market risk capital charge for general market risk		20	880	0	0	0	0	
		TOTAL MARKET RISK CAPITAL CHARGE FOR EQUITY EXPOSU	RES	120	1,760	0	0	0	0	1,8

Note: (1) The reporting institution should report its equity exposures on an exchange-by-exchange basis (i.e. separate column for each stock or futures exchange) and use separate reporting form(s) if the columns of this form are not enough.

(2) Where an equity swap contract involves a leg requiring the receipt or payment of fixed or floating rate interest, that leg should be regarded as an interest rate exposure and reported in Division A.2.

(3) For equity-related option contracts, the delta-weighted positions should be reported above or, if the reporting institution engages only in the purchase of option contracts as defined in the completion instructions, such option contracts can be carved out and reported in Division E.1.

## Division E: STM Approach - Option Exposures

E.1 Simplified approach (For reporting institutions which purchase only option contracts as defined in the completion instructions.)

## 1(a) Long option contract with a related position in the underlying exposure of the option contract

Report the market risk capital charge for each option contract as well as the related position in the underlying exposure below.

Market risk capital charge = (Fair value of the underlying exposure of the option contract) x (Sum of the market risk capital charge factors for general market risk and specific risk for the underlying exposure) – (The amount by which the option contract is in-the-money)

							(HK\$'000)
		Nature of the underlying exposure	Market risk capital charge factor		Long underlying	Short underlying	Total market risk
	Item		Specific risk	General market risk	exposure & long put option contract	exposure & long call option contract	capital charge
	1.1	Debt instruments (Note (1))	0.00% (Note(2))	Note (3)			0
			0.25% (Note(2))	Note (3)			0
			1.00% (Note(2))	Note (3)			0
			1.60% (Note(2))	Note (3)			0
			8.00% (Note(2))	Note (3)			0
			12.00% (Note(2))	Note (3)			0
			To be specified (Note(2))	Note (3)			0
	1.2	Interest rate, i.e. non-debt related (Note (1))	0.00%	Note (3)			0
(10)	1.3	Equity (Note(1))	8.00%	8.00%	45		45
	1.4	Foreign exchange	0.00%	8.00%			0
	1.5	Commodity	0.00%	15.00%			0
		TOTAL MARKET RISK CAPITAL CHARGE FOR OPTION EXPOSURES					45

Note: (1) Only trading book positions should be reported.

(2) The classes are same as those in Division A.1.

(3) The general market risk capital charge should be calculated as per the risk-weights according to the time bands set out in Division A.2.