# 未經審核之補充財務資料 Unaudited Supplementary Financial Information

### 1. 信貸、市場及操作風險的監管資本

就信貸風險、市場風險及操作風險計算監管資本的基準已於 財務報表附註4.4中描述。

本補充財務資料第1至9部分以監管規定的綜合基礎編製。此 等監管綜合基礎載於財務報表附註4.4(A)。

下表概述於該綜合基礎上計算之信貸、市場及操作風險監管資本。

### REGULATORY CAPITAL FOR CREDIT, MARKET AND OPERATIONAL RISKS

The bases of regulatory capital calculation for credit risk, market risk and operational risk are described in Note 4.4 to the Financial Statements.

Sections 1 to 9 of the supplementary financial information have been prepared on a consolidated basis for regulatory purposes. The basis of regulatory consolidation is set out in Note 4.4(A) to the Financial Statements.

The table below summarises the regulatory capital computed on the same consolidation basis for credit, market, and operational risks.

		2015	2014
		港幣千元	港幣千元
		HK\$'000	HK\$'000
信貸風險	Credit risk	13,388,317	13,843,877
市場風險	Market risk	48,993	45,648
操作風險	Operational risk	980,405	900,408
		14,417,715	14,789,933

有關本集團之資本管理及資本比率詳情,請見財務報表附註4.4。

For details of capital management and capital ratios of the Group, please refer to Note 4.4 to the Financial Statements.

## **Unaudited Supplementary Financial Information**

### 2. 信貸風險資本規定

下表列示《銀行業(資本)規則》就各類別和子類別的信貸風險承擔的資本規定。

## 2. CAPITAL REQUIREMENTS FOR CREDIT RISK

The tables below show the capital requirements for each class and subclass of credit risk exposures as specified in the Banking (Capital) Rules.

<ul> <li>所需資本 企業         <ul> <li>企業</li> <li>事門性借貸</li> <li>中中性借資</li> <li>中小企業</li> <li>現行</li> <li>銀行</li> <li>設券公司</li> </ul>          Ba               電信             住宅按揭貸款               一個投入公司             合备                本機個人企業             其他               其他個小企業             其他               其他由項目             信貸               其他值詢整             C               內部評級基準計算法下的風險承擔             Tota               「信貸風險」計算法下的風險承擔             Cap</li></ul>	ital required for exposures under te IRB approach orporate Specialised lending under supervisory slotting criteria approach - Project finance Small-and-medium sized corporates Other corporates ank Banks Securities firms etail Residential mortgages - Individuals - Property-holding shell companies	62,440 1,103,646 6,642,704 3,164,542	119,626 1,328,166 6,082,154 3,763,767 920
企業       C         監管分類準則計算法下的       專門性借貸         再項目融資       中小企業         其代       銀行         證券公司       零售         住宅按揭貸款       一。資格個人公司         一。資格個人企業       其他售人         其他每項目       任信貸         其他項目       任信貸         大部評級基準計算法下的風險承擔       Tota         所需資本規定總額       UII         標準(信貸風險)計算法下的風險承擔       Cap	orporate Specialised lending under supervisory slotting criteria approach — Project finance Small-and-medium sized corporates Other corporates ink Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	1,103,646 6,642,704	1,328,166 6,082,154 3,763,767
監管分類準則計算法下的 專門性借資 中項目融資 中小企業 其代 銀行 銀行 設務公司 零售 住宅按揭貸款 一資格個人 一資格個人 一資格個人 一資格個人	Specialised lending under supervisory slotting criteria approach — Project finance Small-and-medium sized corporates Other corporates ink Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	1,103,646 6,642,704	1,328,166 6,082,154 3,763,767
專門性借貸	slotting criteria approach  — Project finance  Small-and-medium sized corporates  Other corporates  ink  Banks  Securities firms  etail  Residential mortgages  — Individuals  — Property-holding shell companies	1,103,646 6,642,704	1,328,166 6,082,154 3,763,767
一項目融資中小企業         其他企業         銀行         證券公司         零售         住宅按揭貸款         一個人         一空循環零售         其他個人         中資格個人業         其他         現地信等         技付值調整         大部解基準計算法下的風險承擔         不可能         有許級基準計算法下的風險承擔         不可能         有數之數         中準(信貸風險)計算法下的風險承擔         Cap	Project finance  Small-and-medium sized corporates  Other corporates ank  Banks  Securities firms etail  Residential mortgages  Individuals  Property-holding shell companies	1,103,646 6,642,704	1,328,166 6,082,154 3,763,767
中小企業 其他企業 銀行 銀行 銀行 器券公司 零售 住宅按揭貸款 —個人 —空殼不可 合資格循環零售 其他個人 — 空務循環零售 其他個人 共	Small-and-medium sized corporates Other corporates ank Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	1,103,646 6,642,704	1,328,166 6,082,154 3,763,767
其他企業 銀行 Ba	Other corporates  ank Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	6,642,704	6,082,154 3,763,767
銀行 銀行 銀行 銀行 設計 銀行 銀子公司 零售	nk Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies		3,763,767
銀行 證券公司 零售 Re 住宅按揭貸款 — 個人 — 空殼公司 合資格循環零售 其他個人 零售 零售 小企業 其他 现金項目 其他項目 信貸估值調整 C 内部評級基準計算法下的風險承擔 Tota 所需資本規定總額 uli 標準(信貸風險)計算法下的風險承擔 Cap	Banks Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	3,164,542 -	
證券公司 零售 住宅按揭貸款 — 個人 — 空殼公司 合資格循環零售 其他個人 現金項目 其他可見 其性值調整  內部評級基準計算法下的風險承擔  「Tota 所需資本規定總額  標準(信貸風險)計算法下的風險承擔	Securities firms etail Residential mortgages — Individuals — Property-holding shell companies	3,164,542 –	
零售 住宅按揭貸款 — 個人 — 空殼公司 合資格循環零售 其他個人零售 零售小企業 其他 現金項目 其他項目 信貸估值調整	etail Residential mortgages – Individuals – Property-holding shell companies	-	020
住宅按揭貸款       — 個人         — 空殼公司       — 資格循環零售         其他個人零售       零售小企業         其他       Q         現金項目       其他項目         其值       資估值調整         內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	Residential mortgages  – Individuals  – Property-holding shell companies		920
ー個人 ー空殼公司 合資格循環零售 其他個人零售 零售小企業 其他 ○ 現金項目 其他項目 信貸估值調整 ○ C 內部評級基準計算法下的風險承擔 Tota 所需資本規定總額 uii 標準(信貸風險)計算法下的風險承擔 Cap	<ul><li>Individuals</li><li>Property-holding shell companies</li></ul>		
- 空殼公司 - 合資格循環零售 其他個人零售 零售小企業 其他 現金項目 其他項目 信貸估值調整  ○ 内部評級基準計算法下的風險承擔	<ul> <li>Property-holding shell companies</li> </ul>		
合資格循環零售 其他個人零售 零售小企業 其他 現金項目 其他項目 信貸估值調整  CC 內部評級基準計算法下的風險承擔 所需資本規定總額  標準(信貸風險)計算法下的風險承擔  Cap		141,256	80,229
其他個人零售         零售小企業         其他         現金項目         其他項目         信貸估值調整         C         內部評級基準計算法下的風險承擔         所需資本規定總額         標準(信貸風險)計算法下的風險承擔         Cap		8,526	5,836
零售小企業       人         其他       O         現金項目       人         其他項目       信貸估值調整         C       內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	Qualifying revolving retail	_	_
零售小企業       其他         其他項目       其他項目         信貸估值調整       C         內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	Other retail to individuals	269,898	271,595
其他       O         現金項目       其他項目         信貸估值調整       C         內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	Small business retail	12,840	17,195
其他項目       信貸估值調整       C         內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	thers		·
其他項目       信貸估值調整       C         內部評級基準計算法下的風險承擔       Tota         所需資本規定總額       u         標準(信貸風險)計算法下的風險承擔       Cap	Cash items	_	_
信貸估值調整 C 内部評級基準計算法下的風險承擔 Tota 所需資本規定總額 u 標準(信貸風險)計算法下的風險承擔 Cap	Other items	669,864	745,981
所需資本規定總額 ui 標準 (信貸風險) 計算法下的風險承擔 Cap	redit valuation adjustment	8,412	6,549
所需資本規定總額 ui 標準 (信貸風險) 計算法下的風險承擔 Cap	Il capital requirements for exposures		
	nder the IRB approach	12,084,128	12,422,018
	ital required for exposures under		
	e standardised (credit risk) approach		
	n-balance sheet exposures		
官方實體	Sovereigns	45,740	10,915
公營單位	Public sector entities	11,001	2,238
銀行	Banks	2,630	103,306
企業	Corporates	574.545	638,865
監管零售	Regulatory retail	122,207	140,094
住宅按揭貸款	Residential mortgage loans	486,548	447,824
不屬逾期的其他風險承擔	Other exposures which are not past due	22,992	44,895
逾期風險承擔	Past due exposures	8,729	7,548
資產負債表外風險承擔O	ff-balance sheet exposures		
除證券融資交易及衍生工具	Off-balance sheet exposures other than securities		
合約外的資產負債表外風險承擔	financing transactions and derivative contracts	28,727	25,557
證券融資交易及衍生工具合約	Securities financing transactions and derivative	20,727	23,337
まい ほなく ツ ◇ ハ エー ▽ 口 w ノ	contracts	1,070	617
標準(信貸風險)計算法下的風險承擔 Tota		-	
	il capital requirements for exposures under the	1,304,189	1,421,859
信貸風險承擔所需資本規定總額 Tota	Il capital requirements for exposures under the dardised (credit risk) approach	13,388,317	13,843,877

## **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險

#### 3.1 內部評級系統及風險組成部分

為計算監管資本要求,本集團對大部分企業和銀行的風險承 擔使用基礎內部評級基準計算法,對專門性借貸的項目融資 使用監管分類準則計算法,對個人和小企業的零售風險承擔 使用零售內部評級基準計算法。下表列出本集團各資產分類 及子分類之風險承擔(除證券化類別風險承擔外)所採用的 資本計算方法。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH

## 3.1 The internal rating systems and risk components

The Group adopts the FIRB approach to calculate the regulatory capital requirements for most of the corporate and bank exposures, and adopts the supervisory slotting criteria approach to project finance exposures under specialised lending. The Group adopts retail IRB approach for retail exposures to individuals and small business. The following is the table showing the Group's different capital calculation approaches to each asset class and sub-classes of exposures (other than securitisation exposures).

資產分類	子分類風險承擔	資本計算方法
Asset class	Exposure sub-class	Capital calculation approach
企業風險承擔	監管分類準則計算法下的專門性借貸(項目融資)	監管分類準則計算法
Corporate exposures	Specialised lending under supervisory slotting criteria	Supervisory Slotting Criteria Approach
	approach (project finance)	
	中小企業	基礎內部評級基準計算法
	Small-and-medium sized corporates	FIRB Approach
	其他企業	
	Other corporates	
官方實體風險承擔	官方實體	標準(信貸風險)計算法
Sovereign exposures	Sovereigns	Standardised (credit risk) Approach
	屬官方實體非本地公營單位	
	Sovereign foreign public sector entities	
	多邊發展銀行	
	Multilateral development banks	
銀行風險承擔	銀行	基礎內部評級基準計算法
Bank exposures	Banks	FIRB Approach
	證券公司	
	Securities firms	
	公營單位(不包括屬官方實體非本地公營單位)	標準(信貸風險)計算法
	Public sector entities (excluding sovereign foreign public	Standardised (credit risk) Approach
	sector entities)	
零售風險承擔	個人住宅按揭貸款	零售內部評級基準計算法
Retail exposures	Residential mortgages to individuals	Retail IRB Approach
	空殼公司住宅按揭貸款	
	Residential mortgages to property-holding shell companies	
	合資格循環零售	
	Qualifying revolving retail	
	其他個人零售	
	Other retail to individuals	
	零售小企業	
	Small business retail	
股權風險承擔	-	標準(信貸風險)計算法
Equity exposures		Standardised (credit risk) Approach
其他風險承擔	現金項目	特定風險權重計算法
Other exposures	Cash items	Specific Risk-weight Approach
	其他項目	
	Other items	

### **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.1 內部評級系統及風險組成部分(續)
- (A) 內部評級系統結構及內部評級與外部評級對應關係

本集團使用的內部評級系統是一個兩維評級系統,分別提供 借款人及交易特性的評估。於企業和銀行組合中,債務人評 級維度反映借款人的違約風險,授信評級維度反映債務人一 旦違約時影響損失嚴重程度的特定交易因素。

本集團使用統計模型以自行估算企業、銀行和零售債務人的 違約概率(PD),以及使用零售內部評級基準計算法下零售風 險承擔的違約損失率(LGD)和違約風險承擔(EAD)。

本集團使用內部評級系統評估所有內部評級基準計算法下借款人的違約可能性。違約概率估算借款人一年期內的違約風險。借款人信貸級別反映在特定的具體評級標準下對某些信貸能力相似的借款人的分類,從而推算出違約概率平均值以計算風險加權資產。

在確定債務人評級的過程中,會對每個債務人最新的財務表現的變數、管理層質素、行業風險、關聯集團和預警性負面因素影響進行評估,並據此作為關鍵因素以預測在不同經濟條件下履行其合約責任的能力和意願。

- 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)
- 3.1 The internal rating systems and risk components (Cont'd)
- (A) The structure of internal rating systems and the relationship between internal ratings and external ratings

The Group's internal rating system is a two dimensional rating system that provides separate assessment of borrower and transaction characteristics. For corporate and bank portfolios, the obligor rating dimension reflects exclusively the risk of borrower default and the facility rating dimension reflects transaction specific factors that affect the loss severity in the case of borrower default.

The Group uses statistical models to provide own estimated probability of default ("PD") for its corporate, bank and retail borrowers, and loss given default ("LGD") and exposure at default ("EAD") for retail exposures under retail IRB approach.

The Group uses internal rating system to assess the borrower's likelihood of default for all IRB portfolios. PD estimates the risk of borrower default over a one-year period. A borrower credit grade means a grouping of similar credit-worthiness to which borrowers are assigned on the basis of specified and distinct set of rating criteria, from which the average PD are derived for risk-weighted assets calculation.

In the process of obligor rating assignment, variables of latest financial performance, management quality, industry risks, group connection and negative warning signals of each obligor are assessed as critical factors to predict borrower's ability and willingness to meet with the contractual obligations under different economic conditions.

### **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.1 內部評級系統及風險組成部分(續)
- (A) 內部評級系統結構及內部評級與外部評級對應關係 (續)

企業和銀行債務人及零售違約概率組別分為8個債務人評級,包括7個非違約債務人級別且細分至26個信貸級別和1個違約級別。而根據金管局指引規定,使用監管分類準則計算法的項目融資風險承擔,分為4個非違約級別和1個違約級別。對於零售內部評級基準計算法組合的分組估算,按債務人性質、授信類型、抵押品種類和逾期狀況分為不同違約概率、違約風險承擔和違約損失率組別。分組過程為個人住宅按揭貸款和空殼公司住宅按揭貸款、合資格循環零售風險承擔、其他個人零售風險承擔和零售小企業風險承擔的違約概率、違約損失率和違約風險承擔準確及一致的估算奠定了基礎。根據金管局指引規定,所有企業和銀行的信貸交易超需訂立授信評級(按照違約損失率程度)。違約損失率與違約概率相乘產出預期損失(EL),用以對信貸風險進行量化評估。

- 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)
- 3.1 The internal rating systems and risk components (Cont'd)
- (A) The structure of internal rating systems and the relationship between internal ratings and external ratings (Cont'd)

The obligors for corporate and bank, and retail PD pools are assigned into eight broad obligor ratings including seven grades for non-defaulted obligors with sub-divisions into 26 minor credit grades and one for defaulted obligors. In the supervisory slotting criteria approach for the project finance exposures, there are four grades for non-defaulted borrowers and one for defaulted borrowers in accordance with the HKMA guidance. The estimates for retail IRB portfolios are pooled by nature of obligors, facility types, collateral types and delinquency status into different PD, EAD and LGD pools. This pooling process provides the basis of accurate and consistent estimation for PD, LGD and EAD at the pool level for exposures arising from residential mortgages to both individuals and property-holding shell companies, qualifying revolving retail exposures and other retail exposures to individuals and small business retail exposures. All credit transactions for corporates and banks are assigned facility ratings (in terms of LGD) in accordance with the HKMA guidance. LGD estimates multiplied by the PD estimates produce the expected loss ("EL") estimates, which are used to assess credit risk quantitatively.

### **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.1 內部評級系統及風險組成部分(續)
- (A) 內部評級系統結構及內部評級與外部評級對應關係 (續)

每個內部評級按違約風險程度和外部評級對應如下:

- 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)
- 3.1 The internal rating systems and risk components (Cont'd)
- (A) The structure of internal rating systems and the relationship between internal ratings and external ratings (Cont'd)

For each internal rating, the equivalent external rating in terms of default risk is as below:

內部信貸 級別 Internal Credit Grades	內部評級定義	Definition of Internal Ratings	對應標準 普爾評級 Standard & Poor's Equivalent
1	債務人級別「1」和「2」表示極低的違約風險。	The obligors in grades "1" and "2" have extremely low default risk.	AAA
2	-   債務人履行債務責任的能力非常強。	The obligor's capacity to meet its financial commitment on the	AA+
		obligation is extremely strong.	AA
			AA-
3	債務人級別「3」表示低違約風險,但在一定程度上有	The obligors in grade "3" have low default risk but are somewhat	A+
	可能受不利市場環境和經濟條件影響,履行債務責任 的能力尚強。	susceptible to the adverse effects of changes in circumstances and economic conditions. However, the obligor's capacity to meet its	А
	N 1000 5 1 3 Jan	financial commitment on the obligation is very strong.	A-
4	情務人級別「4」表示相對較低的違約風險且現在仍有	The obligors in grade "4" have relatively low default risk and are	BBB+
	足夠保障,但可能受不利經濟條件或環境變化影響而 削弱其履行債務責任的能力。	currently under adequate protection. However, adverse economic conditions or changing circumstances are likely to lead to a	BBB
	133937 (NE 13 1279724) = 13193673	weakened capacity of the obligor to meet its financial commitment on the obligation.	BBB-
5	債務人級別「5」表示中度違約風險,相對其他投機級	The obligors in grade "5" have medium default risk which are less	BB+
	別債務人較少出現脱期還款。	vulnerable to nonpayment than other speculative obligors.	ВВ
	但面對重大、持續不確定性或不利業務、財務、經濟 條件影響時,可能導致債務人償還能力不足以履行債 務責任。	However, they face major ongoing uncertainties or exposure to adverse business, financial, or economic conditions which could lead to the obligor's inadequate capacity to meet its financial commitment on the obligation.	BB-
6	債務人級別「6」表示顯著至很高違約風險及容易出現	The obligors in grade "6" have significant to very high default risk	B+
	脱期還款。	and are vulnerable to nonpayment.	В
	債務人目前至短期內尚有能力履行償債責任,但不利的業務、財務或經濟條件變化將極可能導致無力或不願履行債務責任。	The obligors currently and in the near term have the capacity to meet its financial commitment on the obligation but adverse business, financial, or economic conditions will very likely impair the obligor's capacity or willingness to meet its financial commitment on the obligation.	B-
7	債務人級別「7」表示極高違約風險且目前相當容易出	The obligors in grade "7" have very high default risk and are	CCC
	現脱期還款:債務人能否履行債務責任,取決於是否 有有利的業務、財務或經濟條件配合;一旦這些條件	currently quite vulnerable to nonpayment. The obligors' ability to meet their financial commitment and obligation are dependent upon	CC
	發生不利變化,即很可能無法履行債務責任。 favorable business, financial, and economic conditions. In the er of adverse business, financial, or economic conditions, these oblivare not likely to have the capacity to meet its financial commit on the obligation.		С
8	債務人級別「8」表示還款違約。	Obligors rated "8" are in payment default.	D

## **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.1 內部評級系統及風險組成部分(續)

#### (B) 內部估算值的用途

本集團除使用違約概率估算值於計算企業及銀行風險承擔的 監管資本外,為加強日常所有信貸業務的管理,集團採用違 約概率、違約損失率及違約風險承擔的估算結果,應用於信 貸審批、信貸監控、信貸風險報告及分析等。

#### (C) 信貸風險緩釋工具之管理及確認程序

對於資本管理項下認可的抵押品,本集團在抵押品評估和管理上已制定明確的政策和程序,並符合《銀行業(資本)規則》對信貸風險緩釋認可抵押品的操作要求。

對於採用基礎內部評級基準計算法計算資本的信貸風險承 擔,其認可擔保包括由風險權重較交易對手低的銀行、企業 以及證券公司所提供的擔保。本集團在考慮認可抵押品的信 貸風險緩釋作用後,確定淨信貸風險承擔和有效的違約損失 率。

對於零售內部評級基準計算法計算的信貸風險承擔,信貸風 險緩釋的作用按擔保和抵押品性質包含在違約概率或違約損 失率的內部風險參數之中。

本集團所用信貸風險緩釋工具(用作資本計算的認可抵押品和認可擔保)的信貸風險集中性和市場風險集中性處於低水平。

截至報告日,在計算資本時,除了與有效雙邊淨額結算協議 有關的衍生交易外,本集團並無使用任何其他資產負債表內 或資產負債表外認可淨額計算作為信貸風險緩釋工具。本集 團亦無使用任何認可信貸衍生工具合約作為信貸風險緩釋工 具。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.1 The internal rating systems and risk components (Cont'd)

#### (B) Use of internal estimates

Besides using PD estimates for regulatory capital calculation in corporate and bank exposures, the Group uses the PD together with the LGD and EAD estimates in the credit approval, credit monitoring, reporting and analysis of credit risk information, etc., for the purpose of strengthening the daily management on all credit related matters.

## (C) Process of managing and recognising credit risk mitigation

For collateral recognised under capital management, the Group has well-defined policies and procedures for collateral valuation and management which are compliant with the operational requirements for recognised collateral of credit risk mitigation as stated in the Banking (Capital) Rules.

For the credit exposures adopting FIRB approach for capital calculation purpose, the recognised eligible guarantees include the guarantees provided by banks, corporates and securities firms with a lower risk weights than the counterparty. The Group takes into account the credit risk mitigation effect of recognised collateral through its determination of the net credit exposures and the effective LGD.

For retail IRB approach, the effect of the credit risk mitigation is incorporated into the internal risk parameters of PD or LGD depending on the nature of the guarantees and collateral for calculating the risk exposures.

The credit and market risk concentrations within the credit risk mitigation (recognised collateral and guarantees for capital calculation) used by the Group are under a low level.

Up to the date of report, for capital calculation, except derivatives subject to valid bilateral netting agreements, the Group has not used any other on-balance sheet or off-balance sheet recognised netting for credit risk mitigation. The Group also has not used any recognised credit derivative contracts for credit risk mitigation.

### **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.1 內部評級系統及風險組成部分(續)

#### (D) 內部評級系統控制機制

本集團已建立了一套完善的控制機制,以確保評級系統(包括在日常業務流程使用風險組成部分以評估信貸風險)的完整性、準確性和一致性。

信貸管理委員會及董事會轄下的風險管理委員會審批所有內 部評級基準計算法的風險計量模型。

為使風險評級結果達到合理、準確的程度,本集團建立了獨立於營銷和市場推廣單位的評級審批程序。由於內部評級是信貸決策的重要因素,故已實施監控機制以確保評級的完整性、準確性和一致性。對於批發類(企業及銀行)信貸組合,內部評級結果通常由獨立於營銷和市場推廣的信貸審核人員負責審批。個別交易在金額小和信貸風險低的情況下,信貸評級則由銷售和市場推廣單位負責評級核定及批准,並由風險管理單位定期進行貸後檢查。

零售組合的評級確定和風險量化過程高度自動化。作為日常 信貸評估過程的組成部分,自動評級所需輸入數據的準確性 和完整性由獨立於業務拓展功能的單位負責核實。

根據本集團信貸風險政策,債務人評級至少每年進行重檢。 在債務人發生信貸事件的情況下,根據本集團信貸風險政 策,須立即進行評級重檢。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.1 The internal rating systems and risk components (Cont'd)

## (D) The control mechanisms used for internal rating systems

The Group has established a comprehensive control mechanism to ensure the integrity, accuracy and consistency of the rating systems including the processes for using the risk components in the day-to-day business to assess credit risk.

All of IRB risk models are approved by the Credit and Loans Management Committee and Risk Management Committee of the Board.

In order to achieve reasonably accurate risk ratings assignment, the Group has established a rating approval process which is independent from the sales and marketing units. Since internal rating is one of the key inputs to credit decision making, a control mechanism is put in place to ensure the integrity, accuracy and consistency of the rating assignment. For the wholesale (corporate and bank) credit portfolio, internal ratings are normally approved by credit officers who are functionally separated from the sales and marketing units. In some cases where the transactions are in small amount and of low credit risk, the credit ratings can be assigned and approved by the sales and marketing units, subject to the periodic post-approval review of ratings by Risk Management units.

The rating assignment and risk quantification process of retail portfolio are highly automated. As an integral part of the daily credit assessment process, the accuracy and completeness of data input for automatic rating assignment are verified by units independent from business development function.

The obligor rating is reviewed at least annually as required by the Group's credit risk policy. When credit events occur to the obligor, rating review is triggered promptly in accordance with the Group's credit risk policy.

## **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.1 內部評級系統及風險組成部分(續)

#### (D) 內部評級系統控制機制(續)

本集團設定了評級推翻程序,允許信貸分析員考慮評級模型中未能包括的其他相關信貸信息,但從保守及謹慎原則出發,通過評級推翻程序調低債務人評級的幅度不設下限,但調升評級的幅度則有限制,最多不超過2個子級別,且調升理據須限制在事先設定的適當理由清單之內。所有推翻評級需由更高一級的信貸審批授權人簽認。內部評級政策設定評級推翻觸動點為評級個案的10%。中銀香港將評級推翻的使用和推翻原因的分析作為檢查內部評級模型表現的一部分。

本集團對內部評級系統的表現進行持續定期監察。管理層定期審查內部評級系統的表現及預測能力。內部評級系統及程序的有效性由獨立管控單位負責。模型維護單位對內部評級系統的識別能力、準確性及穩定性進行評估,而模型驗證單位對內部評級系統作全面檢查。內部審計對內部評級系統和相關的信貸風險管控部門的運作進行檢討,檢查結果定期向董事會和管理層匯報。

中銀香港模型驗證團隊獨立於模型開發單位和評級單位,定期利用定性和定量分析進行模型驗證。中銀香港制定了模型驗收標準以確保評級系統的識別能力、準確性和穩定性符合監管及管理要求。如模型的表現能力大幅下降至超出預設容忍限度,則會啟動評級模型重檢。

#### (E) 減值準備方法

減值準備方法與本集團會計政策一致,詳情請見財務報表附 註2.15「金融資產減值」。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.1 The internal rating systems and risk components (Cont'd)

## (D) The control mechanisms used for internal rating systems (Cont'd)

Rating override is designed to allow credit analyst to include any other relevant credit information that has not yet been captured by rating models. For reasons of conservatism and prudential considerations, overrides are unlimited in terms of downgrades but more restricted for upgrades. All upgrades will be limited to a maximum of two sub-grades supported by a very narrowly pre-defined list of appropriate reasons. All overrides need to be signed off by a higher level of credit approval authority. The internal rating policy sets a trigger point of 10% overrides on rating cases. The use of overrides and override reasons are analysed by BOCHK as part of performance review on IRB rating models.

The performance of internal rating system is put under ongoing periodic monitoring. The Management periodically reviews the performance and predictive ability of the internal rating system. The effectiveness of the internal rating system and processes are reviewed by independent control functions. The model maintenance unit conducts assessment on the discriminatory power, accuracy and stability of the rating systems while the validation unit performs comprehensive review of the internal rating system. Internal audit reviews the internal rating system and the operations of the related credit risk control units. The results of the review are reported to the Board and the Management regularly.

A model validation team of BOCHK which is independent from the model development unit and rating assignment units, conducts periodic model validations using both qualitative and quantitative analysis. Model acceptance standards are established by BOCHK to ensure the discriminatory power, accuracy and stability of the rating systems meet regulatory and management requirements. Review of a rating model will be triggered if the performance of the model deteriorates materially against pre-determined tolerance limit.

#### (E) Approach for determining provisions

The approach in determining provisions is in line with the Group's accounting policies. For details, please refer to Note 2.15 "Impairment of financial assets" to the Financial Statements.

### **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.2 內部評級基準計算法下的風險承擔

下表列示本集團除證券化類別風險承擔外採用各種內部評級 基準計算法計算的風險承擔(包括資產負債表內及資產負債 表外的違約風險承擔)。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

### 3.2 Exposures by IRB calculation approach

The tables below show the Group's exposures other than securitisation exposures (including the EAD of on-balance sheet exposures and off-balance sheet exposures) by each IRB calculation approach.

		基礎內部 評級基準 計算法 FIRB Approach 港幣千元 HK\$'000	監管分類 準則計算法 Supervisory Slotting Criteria Approach 港幣千元 HK\$'000	2015 零售內部 評級基準 計算法 Retail IRB Approach 港幣千元 HK\$'000	特定風險 權重計算法 Specific Risk-weight Approach 港幣千元 HK\$'000	總風險承擔 Total exposures 港幣千元 HK\$'000
企業	Corporate	140,842,881	971,346	_	_	141,814,227
銀行	Bank	98,528,118	-	-	-	98,528,118
零售	Retail					
個人及空殼公司	Residential mortgages to individuals and			12 506 020		42 506 020
住宅按揭貸款 合資格循環零售	property-holding shell companies Qualifying revolving retail	-	-	13,506,028	_	13,506,028
其他個人零售	Other retail to individuals	_	_	8,892,267	_	8,892,267
零售小企業	Small business retail	_	_	1,890,509	_	1,890,509
其他	Others	-	_	_	12,405,053	12,405,053
		239,370,999	971,346	24,288,804	12,405,053	277,036,202
A 244		基礎內部 評級基準 計算法 FIRB Approach 港幣千元 HK\$'000	監管分類 準則計算法 Supervisory Slotting Criteria Approach 港幣千元 HK\$'000	2014 零售內部 評級基準 計算法 Retail IRB Approach 港幣千元 HK\$'000	特定風險 權重計算法 Specific Risk-weight Approach 港幣千元 HK\$'000	總風險承擔 Total exposures 港幣千元 HK\$'000
企業 銀行	Corporate Bank	137,973,751 103,072,641	1,543,915	-	-	139,517,666 103,072,641
零售	Retail	103,072,041		_	_	103,072,041
個人及空殼公司	Residential mortgages to individuals and					
住宅按揭貸款	property-holding shell companies	-	-	11,742,017	-	11,742,017
合資格循環零售	Qualifying revolving retail	-	_	-	-	-
其他個人零售	Other retail to individuals	-	-	8,032,884	-	8,032,884
零售小企業	Small business retail	_	_	2,160,707	-	2,160,707
其他	Others	_			10 188 5/17	10 100 5/17
	Others	241,046,392	1,543,915	21,935,608	10,188,547	10,188,547

## **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

### 3.3 內部評級基準計算法下監管規定估算的風險 承擔

下表列示本集團採用內部評級基準計算法下受監管規定估算的總違約風險承擔(包括監管分類準則計算法下的專門性借貸)。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.3 Exposures subject to supervisory estimates under the IRB approach

The table below shows the total EAD of the Group's exposures subject to supervisory estimates under the use of IRB approach (including the specialised lending subject to the supervisory slotting criteria approach).

		2015	2014
		港幣千元	港幣千元
		HK\$'000	HK\$'000
企業	Corporate	141,814,227	139,517,666
銀行	Bank	98,528,118	103,072,641
其他	Others	12,405,053	10,188,547
		252,747,398	252,778,854

#### 3.4 受信貸風險緩釋工具保障的風險承擔

#### (A) 受認可抵押保障的風險承擔

下表列示本集團採用基礎內部評級基準計算法下,並按照 《銀行業(資本)規則》的規定作出扣減後受認可抵押保障的 風險承擔(已計及任何資產負債表內或資產負債表外認可淨 額計算法的影響)。此等風險承擔並不包括證券融資交易及 衍生工具合約。

## 3.4 Exposures covered by credit risk mitigation used

#### (A) Exposures covered by recognised collateral

The table below shows the Group's exposures under the use of FIRB approach (after the effect of any on-balance sheet or off-balance sheet recognised netting) which are covered by recognised collateral after the application of haircuts required under the Banking (Capital) Rules. These exposures exclude securities financing transactions and derivative contracts.

	2015	2014
	港幣千元	港幣千元
	HK\$'000	HK\$'000
企業 Corporate	26,051,399	29,599,424
銀行 Bank	6,931	3,254
	26,058,330	29,602,678

### **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.4 受信貸風險緩釋工具保障的風險承擔(續)

#### (B) 受認可擔保保障的風險承擔

下表列示本集團按照《銀行業(資本)規則》的規定作出扣減 後受認可擔保保障的風險承擔(已計及任何資產負債表內或 資產負債表外認可淨額計算法的影響)。此等風險承擔並不 包括證券融資交易及衍生工具合約。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.4 Exposures covered by credit risk mitigation used (Cont'd)

#### (B) Exposures covered by recognised guarantees

The table below shows the Group's exposures (after the effect of any on-balance sheet or off-balance sheet recognised netting) which are covered by recognised guarantees after the application of haircuts required under the Banking (Capital) Rules. These exposures exclude securities financing transactions and derivative contracts.

	2015	2014
	港幣千元	港幣千元
	HK\$'000	HK\$'000
企業 Corporate	29,319,782	29,330,207
銀行 Bank	6,031,455	7,893,668
	35,351,237	37,223,875

### 3.5 內部評級基準計算法下企業及銀行風險承擔的 風險評估

下表列示本集團於12月31日各債務人等級的風險承擔加權平均風險權重和風險承擔加權平均違約概率之企業及銀行總違約風險承擔。

以下企業及銀行之違約風險承擔及違約概率已計及認可抵押、認可淨額計算及認可擔保的影響,而本集團並無任何認可信貸衍生工具合約。

有關各債務人等級的定義,請見第229頁。

## 3.5 Risk assessment for corporate and bank exposures under IRB approach

The tables below detail the Group's total EAD of corporate and bank exposures by exposure-weighted average risk-weight and exposure-weighted average PD for each obligor grade as at 31 December.

The EAD and PD disclosed below in respect of corporate and bank exposures have taken into account the effect of recognised collateral, recognised netting and recognised guarantees. The Group did not have any recognised credit derivative contracts.

For definition of each obligor grade, please refer to page 229.

## **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.5 內部評級基準計算法下企業及銀行風險承擔的 風險評估(續)
- (A) 企業風險承擔(不包括採用監管分類準則計算法的專 門性借貸)
- 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)
- 3.5 Risk assessment for corporate and bank exposures under IRB approach (Cont'd)
- (A) Corporate exposures (other than specialised lending under supervisory slotting criteria approach)

			2015	
			風險承擔加權	
			平均風險權重	風險承擔加權
			Exposure-	平均違約概率
		違約風險承擔	weighted	Exposure-
			_	weighted
<b> </b>	Internal Credit Grades	Exposure at default	average	
內部信貸級別	internal Credit Grades	港幣千元	risk-weight	average PD
			0/	0/
		HK\$'000	%	%
級別1	Grade 1	-	0.00	0.00
級別2	Grade 2	295,203	18.44	0.03
級別3	Grade 3	14,642,595	26.12	0.07
級別4	Grade 4	40,599,750	44.25	0.25
級別5	Grade 5	72,146,362	77.07	1.09
級別6	Grade 6	12,487,428	105.51	4.95
級別7	Grade 7	82,519	194.25	28.48
級別8/違約	Grade 8/Default	589,024	95.56	100.00
		140,842,881		
			2014 風險承擔加權 平均風險權重 Exposure-	風險承擔加權 平均違約概率
		違約風險承擔	weighted	Exposure-
		Exposure	average	weighted
內部信貸級別	Internal Credit Grades	at default	risk-weight	average PD
		港幣千元		
		HK\$'000	%	%
級別1	Grade 1	_	0.00	0.00
級別2	Grade 2	308,114	23.37	0.04
級別3	Grade 3	18,733,272	23.45	0.07
級別4	Grade 4	34,181,018	40.24	0.24
級別5	Grade 5	67,814,411	72.43	1.14
級別6	Grade 6	15,926,506	121.46	5.18
級別7	Grade 7	67,764	171.14	20.40
級別8/違約	Grade 8/Default	942,666	62.15	100.00
		137,973,751		
		13,,3,3,131		

### **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.5 內部評級基準計算法下企業及銀行風險承擔的 風險評估(續)
- (B) 企業風險承擔(採用監管分類準則計算法的專門性 借貸)
- 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)
- 3.5 Risk assessment for corporate and bank exposures under IRB approach (Cont'd)
- (B) Corporate exposures (specialised lending under supervisory slotting criteria approach)

	2015		2014	
		風險承擔加權		風險承擔加權
		平均風險權重		平均風險權重
		Exposure-		Exposure-
	違約風險承擔	weighted	違約風險承擔	weighted
	Exposure	average	Exposure	average
監管評級級別 Supervisory Rating Grades	at default	risk-weight	at default	risk-weight
	港幣千元		港幣千元	
	HK\$'000	%	HK\$'000	%
優 Strong	443,946	60.96	505,694	60.17
良 Good	527,400	88.30	312,252	86.96
尚可 Satisfactory	-	0.00	725,969	115.00
欠佳 Weak	-	0.00	_	0.00
違約 Default		0.00		0.00
	971,346		1,543,915	

專門性借貸的監管評級級別及風險權重乃根據《銀行業(資本)規則》第158條的規定而釐定。

The supervisory rating grades and risk-weights of specialised lending are determined in accordance with section 158 of the Banking (Capital) Rules.

#### (C) 銀行風險承擔

#### (C) Bank exposures

內部信貸級別	Internal Credit Grades	違約風險承擔 Exposure at default 港幣千元 HK\$'000	2015 風險承擔加權 平均風險權重 Exposure- weighted average risk-weight	風險承擔加權 平均違約概率 Exposure- weighted average PD
級別1	Grade 1	_	0.00	0.00
級別2	Grade 2	14,541,766	22.47	0.04
級別3	Grade 3	48,928,810	28.33	0.06
級別4	Grade 4	31,425,420	55.79	0.23
級別5	Grade 5	3,632,122	73.09	0.79
級別6	Grade 6	_	0.00	0.00
級別7	Grade 7	_	0.00	0.00
級別8/違約	Grade 8/Default		0.00	0.00
		98,528,118		

## **Unaudited Supplementary Financial Information**

- 3. 內部評級基準計算法下的信貸風險(續)
- 3.5 內部評級基準計算法下企業及銀行風險承擔的 風險評估(續)
- (C) 銀行風險承擔(續)

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

- 3.5 Risk assessment for corporate and bank exposures under IRB approach (Cont'd)
- (C) Bank exposures (Cont'd)

		2014 風險承擔加權 平均風險權重 Exposure-	風險承擔加權 平均違約概率
	違約風險承擔	weighted	Exposure-
			weighted
Internal Credit Grades	at default	risk-weight	average PD
	港幣千元		
	HK\$'000	%	%
Grade 1	_	0.00	0.00
Grade 2	9,809,605	22.95	0.04
Grade 3	49,085,042	31.00	0.07
Grade 4	38,122,386	58.62	0.24
Grade 5	6,055,608	75.57	0.75
Grade 6	_	0.00	0.00
Grade 7	_	0.00	0.00
Grade 8/Default		0.00	0.00
	103,072,641		
	Grade 2 Grade 3 Grade 4 Grade 5 Grade 6 Grade 7	Exposure at default	B   B   B   B   B   B   B   B   B   B

### 3.6 內部評級基準計算法下零售風險承擔的風險 評估

下表列示於12月31日按預期損失百分比組合的零售風險承 擔。

## 3.6 Risk assessment for retail exposures under IRB approach

The tables below show breakdown of retail exposures on a pool basis by expected loss percentage (EL%) range as at 31 December.

住宅按揭貸款	Residential mortgages	2015 港幣千元 HK\$'000	2014 港幣千元 HK\$′000
最多至1%	Up to 1%	13,474,453	11,697,637
>1%	>1%	29,401	36,464
違約	Default	2,174	7,916
		13,506,028	11,742,017
合資格循環零售	Qualifying revolving retail	2015	2014
合資格循環零售	Qualifying revolving retail	<b>2015</b> 港幣千元	2014 港幣千元
合資格循環零售	Qualifying revolving retail		港幣千元
合資格循環零售 最多至10%	Qualifying revolving retail  Up to 10%	港幣千元	港幣千元
		港幣千元	
最多至10%	Up to 10%	港幣千元	港幣千元

### **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

### 3.6 內部評級基準計算法下零售風險承擔的風險 評估(續)

## 3.6 Risk assessment for retail exposures under IRB approach (Cont'd)

其他個人零售	Other retail to individuals	<b>2015</b> 港幣千元 HK\$'000	2014 港幣千元 HK\$'000
最多至2%	Up to 2%	8,665,952	7,919,599
>2%	>2%	220,943	110,794
違約	Default	5,372	2,491
		8,892,267	8,032,884
零售小企業	Small business retail	2015	2014
零售小企業	Small business retail	<b>2015</b> 港幣千元	2014 港幣千元
零售小企業	Small business retail		
零售小企業 最多至1%	Small business retail  Up to 1%	港幣千元	港幣千元
		港幣千元 HK\$'000	港幣千元 HK\$'000
最多至1%	Up to 1%	港幣千元 HK\$'000 1,823,740	港幣千元 HK\$'000 2,078,789

#### 3.7 實際損失及估算值的分析

下表按風險承擔類別列示實際損失。實際損失是指年內內部 評級基準計算法下各個風險承擔類別提撥的淨撥備(包括撇 銷及個別評估減值準備)。

### 3.7 Analysis of actual loss and estimates

The table below shows the actual losses broken down by class of risk exposure, which represent the net charges (including write-offs and individually assessed impairment allowances) made by each class of exposures under the internal ratings-based approach for the year.

		2015 港幣千元 HK\$′000	2014 港幣千元 HK\$'000
企業	Corporate	761,668	811,457
銀行	Bank	_	-
個人及空殼公司住宅按揭貸款	Residential mortgages to individuals and		
	property-holding shell companies	_	3,653
合資格循環零售	Qualifying revolving retail	_	-
其他個人零售	Other retail to individuals	829	5,750
零售小企業	Small business retail	16,365	4,056
		778,862	824,916

企業暴露貸款減值撥備的減少,主要因2015年之新增特定分類或減值貸款金額減少。

Decrease in the loan impairment charge of corporate exposures was mainly due to the decrease in the amount of new classified or impaired loans in 2015.

## **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.7 實際損失及估算值的分析(續)

下表按風險承擔類別列示預期損失。預期損失是指債務人就 有關風險承擔於一年期內可能因違約引致的估計損失。

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.7 Analysis of actual loss and estimates (Cont'd)

The table below shows the expected loss broken down by class of risk exposure, which is the estimated loss likely to be incurred arising from the potential default of the obligors in respect of the exposure over a one-year period.

		2014年	2013年
		12月31日	12月31日
		預期損失	預期損失
		<b>Expected loss</b>	Expected loss
		at 31 December	at 31 December
		2014	2013
		港幣千元	港幣千元
		HK\$'000	HK\$'000
企業	Corporate	999,302	1,226,201
銀行	Bank	58,265	76,415
個人及空殼公司住宅按揭貸款	Residential mortgages to individuals and		
	property-holding shell companies	5,018	5,384
合資格循環零售	Qualifying revolving retail	_	_
其他個人零售	Other retail to individuals	45,257	41,431
零售小企業	Small business retail	29,691	20,068
		1,137,533	1,369,499

下表是各組合的實際違約率與估算違約概率的對比。

The tables below set out the actual default rate compared against the estimated PD of the respective portfolio.

		實際違約率 Actual default	2014年12月31日 估算違約概率 Estimated PD at 31 December 2014 %
	Corporate	1.68	1.90
銀行	Bank	_	0.25
個人及空殼公司住宅按揭貸款	Residential mortgages to individuals and		
	property-holding shell companies	0.02	0.52
合資格循環零售	Qualifying revolving retail	_	-
其他個人零售	Other retail to individuals	0.17	0.77
零售小企業	Small business retail	1.14	1.31

### **Unaudited Supplementary Financial Information**

### 3. 內部評級基準計算法下的信貸風險(續)

#### 3.7 實際損失及估算值的分析(續)

## 3. CREDIT RISK UNDER THE INTERNAL RATINGS-BASED APPROACH (Cont'd)

## 3.7 Analysis of actual loss and estimates (Cont'd)

		2014年間	2013年
		實際違約率	12月31日
		Actual	估算違約概率
		default	Estimated PD
		rate during	at 31 December
		2014	2013
		%	%
	Corporate	1.12	2.01
銀行	Bank	_	0.26
個人及空殼公司住宅按揭貸款	Residential mortgages to individuals and		
	property-holding shell companies	0.04	0.57
合資格循環零售	Qualifying revolving retail	_	_
其他個人零售	Other retail to individuals	0.10	0.79
零售小企業	Small business retail	0.96	1.42

預期損失和實際損失採用不同的方法進行量度和計算,以符合相關的監管規定和會計準則,因此未必可作直接相比較。此限制主要源於對「損失」的定義的基本差異。預期損失在巴塞爾資本協定是測算債務人違約的潛在經濟損失,並已考慮金錢的時間值及包括催收過程中與收回信貸風險承擔相關的直接及間接成本;而實際損失是指於年度內根據會計準則按個別評估計算的減值準備淨撥備及核銷。

實際違約率的量度是使用違約的債務人數目(批發風險承擔) 或賬戶數目(零售風險承擔);而估算違約概率則是一個經濟 週期的長期平均違約率的估算,並從評級日預計一年期內的 預期違約概率。

因此,由於經濟情況圍繞週期性平均水平而上下波動,某年的(「特定時點」)實際違約率通常會不同於貫穿週期的估算違約概率。

各資產類別的估算違約概率較實際違約率保守。

It should be noted that expected loss and actual loss are measured and calculated using different methodologies compliant with relevant regulatory and accounting standards, which therefore may not be directly comparable. The limitation arises mainly from the fundamental differences in the definition of "loss". The expected loss under Basel Accord which estimates the economic loss arising from the potential default of the obligor by taking into account the time value of money and including the direct and indirect costs associated with the recoveries on the credit exposures during the workout process, while actual loss is the net charge of individually assessed impairment allowances and write-offs made during the year in accordance with the accounting standards.

The actual default rate is measured by using the number of obligors (for wholesale exposures) or number of accounts (for retail exposures) defaulted whereas the estimated PD is an estimate of the long run average default rate over an economic cycle and is the estimated one-year forward-looking PD from the date of rating assignment.

Hence, actual default rate in a particular year ("point-intime") will typically differ from the estimated PD which is the "through-the-cycle" estimates as economies move above or below the cyclical norms.

The estimated PD is more conservative than the actual default rate for all asset classes.

### **Unaudited Supplementary Financial Information**

### 4. 標準(信貸風險)計算法下的信貸風險

#### 4.1 外部信貸評估機構(ECAI)評級的使用

本集團採用標準(信貸風險)計算法並以外部信用評級為依據,確定經金管局審批同意豁免使用基礎內部評級基準計算法之小部分信貸風險承擔以及以下資產分類之風險承擔的信貸風險權重:

- 一官方實體
- 公營單位
- 多邊發展銀行

本集團按《銀行業(資本)規則》第4部分規定的對應標準,使用外部信貸評估機構發行人評級對應銀行賬的風險承擔。 本集團認可的外部信貸評估機構包括標準普爾、穆迪和惠譽。

#### 4.2 信貸風險緩釋

對於採用標準(信貸風險)計算法的信貸風險承擔,非逾期風險承擔的主要認可抵押品類型包括現金存款、債務證券及股票。此外,房地產可作為逾期信貸風險承擔的認可抵押品。本集團對認可押品的處理符合《銀行業(資本)規則》中綜合法計算信貸風險緩釋效應的要求。按標準(信貸風險)計算法計算信貸風險承擔資本要求時,認可擔保人包括由風險權重較交易對手低的官方實體、公營單位、多邊發展銀行或已被豁免使用基礎內部評級基準計算信貸風險承擔範圍內的銀行及具有外部信貸評估機構發行人評級的企業。此外,以認可淨額計算的信貸風險緩釋包括具有有效雙邊淨額結算協議的衍生工具交易。

# 4. CREDIT RISK UNDER THE STANDARDISED (CREDIT RISK) APPROACH

## 4.1 Use of ratings from External Credit Assessment Institutions ("ECAI")

The Group adopts STC approach based on external credit rating to determine the risk weight of the small residual credit exposures that was approved by the HKMA to be exempted from FIRB approach and the following asset classes of exposures:

- Sovereign
- Public sector entity
- Multilateral development bank

The Group performs the ECAI issuer ratings mapping to its exposures in banking book in accordance with Part 4 of the Banking (Capital) Rules. The ECAIs recognised by the Group include Standard & Poor's, Moody's and Fitch.

#### 4.2 Credit risk mitigation

For credit exposures adopting STC approach, the main types of recognised collateral include cash deposits, debt securities and equities for non-past due exposures. In addition, real estate collateral is also recognised for past due exposures. The treatment of recognised collateral is compliant with the comprehensive approach for credit risk mitigation as mentioned in the Banking (Capital) Rules. For credit exposures under STC approach, the recognised guarantees for capital calculation include the guarantees given by sovereigns, public sector entities, multilateral development banks, or banks and corporates with ECAI issuer ratings both exempted from FIRB approach for credit exposures, that have lower risk weights than the counterparty. Besides, the recognised netting for credit risk mitigation includes derivatives subject to valid bilateral netting agreements.

# 未經審核之補充財務資料 Unaudited Supplementary Financial Information

- 4. 標準(信貸風險)計算法下的信貸風險
- **4.3** 除證券化類別風險承擔外標準(信貸風險)計算 法下的信貸風險承擔
- 4. CREDIT RISK UNDER THE STANDARDISED (CREDIT RISK) APPROACH (Cont'd)
- 4.3 Credit risk exposures other than securitisation exposures under the standardised (credit risk) approach

					2015		超三代和口	÷v ⊐ 4÷ /n
		風險承擔	信貸風險緩 Exposures		風險加 Risk-weight		認可抵押品 涵蓋部分 Total exposures	認可擔保 涵蓋部分 Total exposures
		總額					covered by	covered by
		Total	獲評級	不獲評級	獲評級	不獲評級	recognised	recognised
		exposures	Rated	Unrated	Rated	Unrated	collateral	guarantees
		港幣千元	港幣千元	港幣千元	港幣千元	港幣千元	港幣千元	港幣千元
		HK\$'000	HK\$'000	HK\$'000	HK\$'000	HK\$'000	HK\$'000	HK\$'000
資產負債表內風險承擔	On-balance sheet exposures							
官方實體	Sovereigns	34,997,144	35,070,486	_	571,753	_	_	_
公營單位	Public sector entities	1,648,325	1,578,161	_	137,507	_	_	73,342
多邊發展銀行	Multilateral development banks	1,500,101	1,500,101	_	_	_	_	_
銀行	Banks	159,679	159,679	-	32,873	-	-	_
證券公司	Securities firms	-	-	-	-	-	-	_
企業	Corporates	7,200,215	-	7,181,808	-	7,181,808	18,407	-
現金項目	Cash items	442	-	442	-	-	-	-
監管零售	Regulatory retail	2,117,320	-	2,036,780	-	1,527,585	80,540	-
住宅按揭貸款	Residential mortgage loans	12,166,871	-	12,163,694	-	6,081,847	-	3,177
不屬逾期的其他風險承擔	Other exposures which are not past due	396,777	-	278,248	-	287,398	118,529	-
逾期風險承擔	Past due exposures	84,207	_	84,207	-	109,117	34,387	
資產負債表內風險承擔總額	Total on-balance sheet exposures	60,271,081	38,308,427	21,745,179	742,133	15,187,755	251,863	76,519
資產負債表外風險承擔	Off-balance sheet exposures							
除證券融資交易及衍生	Off-balance sheet exposures other							
工具合約外的資產	than securities financing	472.050	00.400	272 270	40.000	220 402		2.000
負債表外風險承擔	transactions and derivative contracts	472,850	99,480	373,370	19,896	339,192	_	3,669
證券融資交易及	Securities financing transactions and	46 506		46 506		42.274		
衍生工具合約	derivative contracts	16,506		16,506		13,371		<u>-</u>
資產負債表外風險承擔總額	Total off-balance sheet exposures	489,356	99,480	389,876	19,896	352,563	-	3,669
非證券化類別風險承擔總額	Total non-securitisation exposures	60,760,437	38,407,907	22,135,055	762,029	15,540,318	251,863	80,188
1,250%風險權重的	Exposures that are risk-weighted							
風險承擔總額	at 1,250%	-						

## **Unaudited Supplementary Financial Information**

- 4. 標準(信貸風險)計算法下的信貸風險
- **4.3** 除證券化類別風險承擔外標準(信貸風險)計算 法下的信貸風險承擔(續)
- 4. CREDIT RISK UNDER THE STANDARDISED (CREDIT RISK) APPROACH (Cont'd)
- 4.3 Credit risk exposures other than securitisation exposures under the standardised (credit risk) approach (Cont'd)

		風險承擔	緩釋征	貨風險 <b>多金額*</b> after CRM*		扣權數額 nted amount	認可抵押品 涵蓋部分 Total exposures	認可擔保 涵蓋部分 Total exposures
		總額 Total exposures 港幣千元 HK\$'000	獲評級 Rated 港幣千元 HK\$'000	不獲評級 Unrated 港幣千元 HK\$'000	獲評級 Rated 港幣千元 HK\$'000	不獲評級 Unrated 港幣千元 HK\$'000	covered by recognised collateral 港幣千元 HK\$'000	covered by recognised guarantees 港幣千元 HK\$'000
資產負債表內風險承擔	On-balance sheet exposures							
官方實體	Sovereigns	32,454,627	32,481,294	-	136,437	-	-	-
公營單位	Public sector entities	419,432	395,107	-	27,978	-	-	26,667
多邊發展銀行	Multilateral development banks	330,293	330,293	-	-	-	-	-
銀行	Banks	6,267,904	161,088	6,106,816	33,183	1,258,144	-	-
證券公司	Securities firms	-	-	-	-	-	-	-
企業	Corporates	8,048,718	-	7,985,809	-	7,985,809	62,909	-
現金項目	Cash items	264	-	264	-	-	-	-
監管零售	Regulatory retail	2,381,688	-	2,334,894	-	1,751,171	46,794	-
住宅按揭貸款	Residential mortgage loans	11,197,935	-	11,195,593	-	5,597,797	-	2,342
不屬逾期的其他風險承擔	Other exposures which are not past due	602,837	-	444,236	-	561,191	158,601	-
逾期風險承擔	Past due exposures	67,216	_	67,216	-	94,353	12,943	
資產負債表內風險承擔總額	Total on-balance sheet exposures	61,770,914	33,367,782	28,134,828	197,598	17,248,465	281,247	29,009
資產負債表外風險承擔 除證券融資交易及衍生 工具合約外的資產	Off-balance sheet exposures Off-balance sheet exposures other than securities financing							
負債表外風險承擔	transactions and derivative contracts	366,704	25,570	341,134	5,114	314,349	-	4,759
證券融資交易及	Securities financing transactions and							
衍生工具合約	derivative contracts	9,781	_	9,781	_	7,714	-	
資產負債表外風險承擔總額	Total off-balance sheet exposures	376,485	25,570	350,915	5,114	322,063	_	4,759
非證券化類別風險承擔總額	Total non-securitisation exposures	62,147,399	33,393,352	28,485,743	202,712	17,570,528	281,247	33,768
1,250%風險權重的 風險承擔總額	Exposures that are risk-weighted at 1,250%	-						

<sup>\*</sup> 認可信貸風險緩釋符合《銀行業(資本)規則》訂定的要求及條件。

Recognised credit risk mitigation satisfying the requirements and conditions set out in the Banking (Capital) Rules.

### **Unaudited Supplementary Financial Information**

### 5. 交易對手信貸風險相關承擔

本集團在交易賬及銀行賬下來自衍生工具合約及證券融資交易之交易對手信貸風險的風險管理架構,與財務報表附註4所述一致。本集團通過一般信貸審批程序核定交易對手之信貸額度以控制衍生工具交易結算前信貸風險,及結算額度以控制在交易賬及銀行賬下與外匯交易有關的結算風險。本集團採用現行風險承擔及潛在風險承擔方法監察因市場變動產生風險承擔。風險管理單位密切和及時地識別與監控任何例外及超額情況。

交易對手信貸風險承擔的信貸等值數額及資本要求按監管資本規定而決定。目前,本集團採用現行風險承擔方法計量相關信貸等值數額,包括現行風險承擔和潛在風險承擔。相關交易對手違約風險資本要求按基礎內部評級基準計算法/標準(信貸風險)計算法計算。另外,本集團採用標準信貸估值調整方法,計算相關交易對手信貸估值調整資本要求。

本集團已為證券融資交易下之抵押債務證券制定審慎的認可 準則及抵押折扣率。

本集團根據交易對手的違約概率及逾期時間制定了授信資產 分類政策。若有客觀證據證明一項資產減值損失已出現,將 根據香港財務報告準則及監管要求進行資產減值準備。

在錯向風險(交易對手的違約概率與由交易市價帶動的信貸 風險承擔呈正向關係的風險)的管理與監察上,原則上不允 許敍做存在特定錯向風險的交易,並制定措施監控透過壓力 測試識別的潛在一般錯向風險的交易對手。

### 5. COUNTERPARTY CREDIT RISK-RELATED EXPOSURES

The Group's counterparty credit risk arising from derivative contracts and securities financing transactions both in trading and banking book is subject to the same risk management framework as mentioned in Note 4 to the Financial Statements. The Group establishes credit limit of counterparties through formal credit approval procedures to control the pre-settlement credit risk arising from derivative transactions and settlement limit to control the settlement risk arising from foreign exchange-related transactions for counterparties in both the trading book and banking book. The Group monitors the risk exposure due to fluctuations in the market by using the current exposure and the potential exposure value of the transactions. Exceptions or excesses are timely and closely identified and monitored by risk management units.

Credit equivalent amount and capital charge for the relevant counterparty credit exposures are determined following the regulatory capital requirements. Currently, the Group has adopted the Current Exposure Method to measure the relevant credit equivalent amount, which comprises current exposures and potential future exposures. The relevant counterparty default risk capital charge is calculated under the FIRB/STC (credit risk) approach. In addition, the Group has adopted standardised credit valuation adjustment ("CVA") method to calculate the relevant counterparty CVA capital charge.

The Group establishes prudent eligibility criteria and haircut policy of debt securities being pledged as collateral for securities financing transactions.

The Group formulates policy for classification of credit assets according to the PD of counterparties and the period of overdue. If there is objective evidence that an impairment loss has been incurred, impairment allowance will be provided according to HKFRS and regulatory requirements.

In controlling and monitoring of wrong-way risk (risk of existence of positive correlation between the PD of a counterparty and credit exposures driven by mark-to-market value of the underlying transactions), specific wrong-way risk transactions are generally not allowed and monitoring measures have been formulated for those counterparties identified by stress testing that would be exposed to potential general wrong-way risk.

## **Unaudited Supplementary Financial Information**

### 5. 交易對手信貸風險相關承擔(續)

#### 5.1 内部評級基準計算法下的交易對手信貸風險承擔

下表概述本集團採用現行風險承擔方法計算與對手進行證券 融資交易及衍生工具合約所產生的風險承擔,並且沒有有效 跨產品淨額結算協議的影響。

### 5. COUNTERPARTY CREDIT RISK-RELATED EXPOSURES (Cont'd)

## 5.1 Counterparty credit risk exposures under the internal ratings-based approach

The following table summarises the Group's exposures to counterparty credit risk arising from securities financing transactions and derivative contracts calculated using the Current Exposure Method. There is no effect of valid cross-product netting agreements on these exposures.

		2015		2014	
		證券融資交易	衍生工具合約	證券融資交易	衍生工具合約
		financing	Derivative	financing	Derivative
		transactions	contracts	transactions	contracts
		港幣千元	港幣千元	港幣千元	港幣千元
		HK\$'000	HK\$'000	HK\$'000	HK\$'000
總正數公平值	Gross total positive fair value		373,984		86,822
已將有效雙邊淨額結算 協議的影響計算在內 之違約風險的風險	Default risk exposures after the effect of valid bilateral netting agreements				
承擔 減:認可抵押品	Less: Value of recognised collateral	2,384,183	686,116	2,763,929	418,634
- 债券	<ul><li>Debt securities</li></ul>	(339,774)	_	_	_
一其他	– Others	(472,002)		(2,061,803)	-
已將有效雙邊淨額結算 協議的影響計算在內 之違約風險的扣減認	Default risk exposures after the effect of valid bilateral netting agreements net of				
可抵押品後風險承擔	recognised collateral	1,572,407	686,116	702,126	418,634
以交易對手類別分類之	Default risk exposures				
違約風險的風險承擔	by counterparty type				
企業 銀行	Corporate Bank	2,384,183	70,209 615,907	2,763,929	102,812 315,822
	Dalik			2,763,929	418,634
		2,384,183	686,116	2,765,929	410,034
以交易對手類別分類之 風險加權數額	Risk-weighted amounts by counterparty type				
企業	Corporate	_	63,226	_	111,619
銀行	Bank	683,839	184,081	291,016	101,312
		683,839	247,307	291,016	212,931
提供信貸保障的認可信 貸衍生工具合約的 名義數額	Notional amounts of recognised credit derivative contracts that provide credit protection	-	-	-	_

### **Unaudited Supplementary Financial Information**

### 5. 交易對手信貸風險相關承擔(續)

### **5.2** 標準(信貸風險)計算法下的交易對手信貸風險 承擔

下表概述本集團採用現行風險承擔方法計算與對手進行衍生工具合約所產生的風險承擔,並且沒有有效跨產品淨額結算協議的影響。

### 5. COUNTERPARTY CREDIT RISK-RELATED EXPOSURES (Cont'd)

## 5.2 Counterparty credit risk exposures under the standardised (credit risk) approach

The following table summarises the Group's exposures to counterparty credit risk arising from derivative contracts calculated using the Current Exposure Method. There is no effect of valid cross-product netting agreements on these exposures.

		2015		2014	
		證券融資交易		證券融資交易	
		Securities	衍生工具合約	Securities	衍生工具合約
		financing	Derivative	financing	Derivative
		transactions	contracts	transactions	contracts
		港幣千元	港幣千元	港幣千元	港幣千元
		HK\$'000	HK\$'000	HK\$'000	HK\$'000
總正數公平值	Gross total positive fair value		322,282		352,250
已將有效雙邊淨額結算	Default risk exposures after				
協議的影響計算在內	the effect of valid bilateral				
之違約風險的風險	netting agreements				
承擔		_	16,506	-	9,781
減:認可抵押品	Less: Value of recognised collateral				
- 債券	<ul><li>Debt securities</li></ul>	-	_	-	_
	– Others	_	_	-	
已將有效雙邊淨額結算	Default risk exposures after				
協議的影響計算在內	the effect of valid bilateral				
之違約風險的扣減認	netting agreements net of				
可抵押品後風險承擔	recognised collateral	-	16,506	-	9,781
以交易對手類別分類之	Default risk exposures				
違約風險的風險承擔	by counterparty type				
官方實體	Sovereigns	_	_	-	_
公營單位	Public sector entities	_	_	-	_
企業	Corporates	_	3,948	-	1,488
監管零售	Regulatory retail	_	12,542	-	8,265
不屬逾期的其他	Other exposures which are not				
風險承擔	past due	-	16	_	28
逾期風險承擔	Past due exposures	_	_	-	_
		-	16,506	_	9,781

## **Unaudited Supplementary Financial Information**

- 5. 交易對手信貸風險相關承擔(續)
- **5.2** 標準(信貸風險)計算法下的交易對手信貸風險 承擔(續)
- 5. COUNTERPARTY CREDIT RISK-RELATED EXPOSURES (Cont'd)
- 5.2 Counterparty credit risk exposures under the standardised (credit risk) approach (Cont'd)

		2015		2014	
		證券融資交易		證券融資交易	
		Securities	衍生工具合約	Securities	衍生工具合約
		financing	Derivative	financing	Derivative
		transactions	contracts	transactions	contracts
		港幣千元	港幣千元	港幣千元	港幣千元
		HK\$'000	HK\$'000	HK\$'000	HK\$'000
以交易對手類別分類之	Risk-weighted amounts				
風險加權數額	by counterparty type				
官方實體	Sovereigns	_	_	_	_
公營單位	Public sector entities	_	_	_	-
企業	Corporates	_	3,948	_	1,488
監管零售	Regulatory retail	_	9,407	-	6,198
不屬逾期的其他	Other exposures which are not				
風險承擔	past due	-	16	-	28
逾期風險承擔	Past due exposures	_	_	_	_
		-	13,371	-	7,714
提供信貸保障的認可信	Notional amounts of recognised				
貸衍生工具合約的	credit derivative contracts that				
名義數額	provide credit protection	_	_	-	-

### 6. 資產證券化

本集團作為一家投資機構,於2015年12月31日並無資產證券化(2014年:無)。

#### 6. ASSETS SECURITISATION

There was no assets securitisation for which the Group is an investing institution at 31 December 2015 (2014: Nil).

### 未經審核之補充財務資料 **Unaudited Supplementary Financial Information**

#### 7. 市場風險資本要求

#### 7. **CAPITAL CHARGE FOR MARKET RISK**

		<b>2015</b> 港幣千元 HK\$'000	2014 港幣千元 HK\$'000
在標準(市場風險)計算法下	Under the standardised (market risk) approach		
外匯風險承擔(淨額)	Foreign exchange exposures (net)	_	_
利率風險承擔	Interest rate exposures		
- 非證券化類別風險承擔	<ul> <li>Non-securitisation exposure</li> </ul>	_	_
商品風險承擔	Commodity exposures	_	_
股權風險承擔	Equity exposures	_	_
在內部模式計算法下	Under the internal models approach		
外匯及利率的一般風險	General foreign exchange and interest		
承擔	rate exposures	48,993	45,648
市場風險資本要求	Capital charge for market risk	48,993	45,648

為符合《2011年銀行業(資本)(修訂)規則》,市場風險監管 資本要求需包括計算受壓風險值資本要求。下表列出本集團 以內部模式計算法計算一般市場風險持倉的內部模式計算法 風險值及受壓風險值1。

Market risk regulatory capital charge is calculated under the Banking (Capital) (Amendment) Rules 2011 to incorporate capital charge for stressed VAR. The following table sets out the IMM VAR and stressed VAR1 for the general market risk exposure calculated under the IMM approach of the Group.

			於12月	全年	全年	全年
			31∃	最低數值	最高數值	平均數值
		年份	At 31	Minimum for	Maximum for	Average
		Year	December	the year	the year	for the year
			港幣千元	港幣千元	港幣千元	港幣千元
			HK\$'000	HK\$'000	HK\$'000	HK\$'000
外匯及利率風險之內部模式 計算法風險值	IMM VAR for foreign exchange and interest rate risk	2015	2,657	1,686	4,080	2,613
		2014	1,868	1,868	4,120	3,064
外匯風險之內部模式計算 法風險值	IMM VAR for foreign exchange risk	2015	2,644	1,299	4,355	2,608
		2014	1,597	1,597	4,156	3,094
利率風險之內部模式計算 法風險值	IMM VAR for interest rate risk	2015	370	89	810	353
		2014	765	652	2,554	1,956
外匯及利率風險之受壓 風險值	Stressed VAR for foreign exchange and interest rate risk	2015	15,020	4,740	32,445	16,227
		2014	8,825	7,683	33,097	16,191
外匯風險之受壓風險值	Stressed VAR for foreign exchange risk	2015	7,101	1,924	8,600	6,734
		2014	1,957	1,957	8,098	7,193
利率風險之受壓風險值	Stressed VAR for interest rate risk	2015	11,201	1,897	27,852	11,653
		2014	8,273	3,532	31,258	14,119

註:

Note:

- 市場風險監管資本的內部模式計算法風險值及受壓風險值利用了99% 置信水平及10天持有期來計算。受壓風險值採用與風險值模型相同的 方法,利用集團組合在連續12個月壓力市況下的歷史市場數據來計
- IMM VAR and stressed VAR measures used for market risk regulatory capital purposes are calculated to a 99% confidence level and use a 10-day holding period. The stressed VAR uses the same methodology as the VAR model and is generated with inputs calibrated to the historical market data from a continuous 12-month period of significant financial stress relevant to the Group's portfolio.

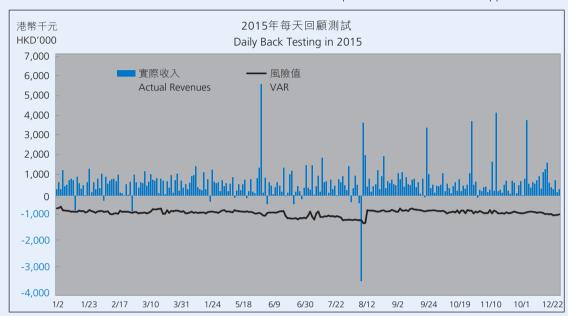
## **Unaudited Supplementary Financial Information**

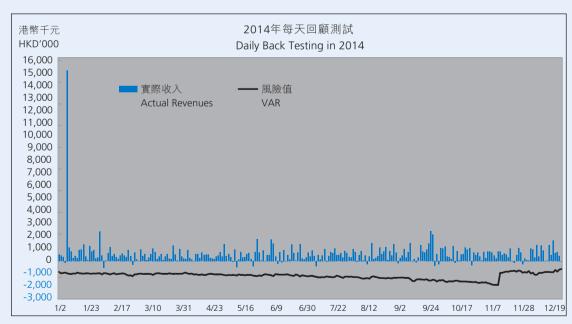
### 7. 市場風險資本要求(續)

## 下圖列示內部模式計算法下的本集團市場風險的監管回顧測試結果。

## 7. CAPITAL CHARGE FOR MARKET RISK (Cont'd)

The graphs below show the regulatory back-testing result of the Group's market risk under IMM approach.





2015年內回顧測試結果顯示,本集團有一次實際交易損失超 過風險值的情況(2014年:無)。 There was 1 actual loss exceeding the VAR for the Group in 2015 as shown in the back-testing results (2014: Nil).

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### 8. 操作風險資本要求

## 8. CAPITAL CHARGE FOR OPERATIONAL RISK

	2015	2014
	港幣千元	港幣千元
	HK\$'000	HK\$'000
操作風險資本要求 Capital charge for operational risk	980,405	900,408

本集團採用標準 (業務操作風險) 計算法計算操作風險資本要求。 The Group uses the standardised (operational risk) approach to calculate its operational risk capital charge.

9. 銀行賬的股權風險承擔

持有其他企業的股權乃是根據獲取該等股權的初始意圖入 賬。因關係及策略性理由而持有的股權與因其他理由(包括 資本增值)而持有的股權將以不同的分類入賬。擬持續持有 的股權投資(不包括對聯營公司、合資企業或附屬公司的投 資)歸類為可供出售證券,並於資產負債表內的「金融投資」 列示。

本集團採用與詳列於財務報表附註2.9(4)、2.12、2.13和2.15相同之會計處理及估值方法處理銀行賬中除附屬公司以外的股權風險承擔,對其估值之進一步資料列示於財務報表附註5.1「以公平值計量的金融工具」。若其後增加對有關股權的投資,並引致一項股權投資成為聯營公司、合資企業或附屬公司,該項投資將會根據本集團的會計政策重新分類入賬。

與股權風險承擔有關之收益或虧損概述如下:

The Group uses the standardised (operational risk) approach to calculate its operational risk capital charge.

## 9. EQUITY EXPOSURES IN BANKING BOOK

Equity holdings in other entities are accounted for in accordance with the underlying intentions of holdings at the inception of acquisition. The classifications for equity holdings taken for relationship and strategic purposes will be separated from those taken for other purposes (including capital appreciation). Investments in equity shares which are intended to be held on a continuing basis, but which do not comprise investments in associates, joint venture or subsidiaries, are classified as available-for-sale securities and are reported in the balance sheet as "Financial investments".

For equity exposures in banking book other than subsidiaries, the Group applies the same accounting treatment and valuation methodologies as detailed in the Notes 2.9(4), 2.12, 2.13 and 2.15 to the Financial Statements, further details on their valuation are outlined in Note 5.1 "Financial instruments measured at fair value" to the Financial Statements. If additional investment is made subsequently such that an investee becomes an associate, joint venture or subsidiary, then the investment is reclassified in accordance with the Group's accounting policies.

Gains or losses related to equity exposures are summarised below:

		2015 港幣千元 HK\$′000	2014 港幣千元 HK\$'000
出售產生的已實現收益	Realised gains from sales	71,892	-
於儲備而非收益表中確認 之未實現重估收益	Unrealised gains on revaluation recognised in reserves but not through income statement	4,363	64,576