

补充财务资料 Supplementary Financial Information

1. 资本充足比率

1. Capital adequacy

	六月三十日	十二月三十一日
	As at	As at
	30 June	31 December
	2002	2001
Capital adequacy ratio	14.68%	14.38%
Adjusted capital adequacy ratio	15.02%	14.57%

二零零二年

二零零一年

经调整之资本充足比率

资本充足比率

二零零二年六月三十日及 二零零一年十二月三十一 日中银香港之未经调整资 本充足比率是根据《银行业 条例》附表三综合计算之比 率。

二零零二年六月三十日及 二零零一年十二月三十一 日中银香港之经调整资本 充足比率是根据金管局所 颁布的监管政策守则规定 的「就市场风险维持充足资 本」指引,计入在资产负债 表日的市场风险,并与未 经调整之资本充足比率相 同的合并基准计算。 The capital adequacy ratio represents the consolidated ratio of BOCHK as at 30 June 2002 and 31 December 2001 computed in accordance with the Third Schedule of the Banking Ordinance.

The adjusted capital adequacy ratio represents the consolidated ratio of the BOCHK as at 30 June 2002 and 31 December 2001 computed in accordance with the guideline "Maintenance of Adequate Capital Against Market Risks" issued by the Hong Kong Monetary Authority. The adjusted ratio takes into account both credit and market risk as at 30 June 2002 and 31 December 2001.



Supplementary Financial Information (continued)

2. 扣减后的资本基础成份

用于计算以上二零零二年 六月三十日及二零零一年 十二月三十一日之资本充 足比率及已汇报金管局之 扣减后的综合资本基础分 析如下:

2. Components of capital base after deductions

The consolidated capital base of BOCHK after deductions used in the calculation of the above capital adequacy ratios as at 30 June 2002 and 31 December 2001 and reported to the Hong Kong Monetary Authority is analysed as follows:

V 201		二零零二年	二零零一年
		六月三十日	十二月三十一日
		As at	As at
		30 June	31 December
		2002	2001
	_	港币百万元	港币百万元
		HK\$'m	HK\$'m
核心资本:	Core capital:		
缴足股款的普通股股本	Paid up ordinary share capital	43,043	43,043
储备	Reserves	8,631	9,481
损益帐	Profit and loss account	1,610	(850)
少数股东权益	Minority interests	850	910
		54,134	52,584
附加资本:	Supplementary capital:		
一般呆帐准备金	General provisions for doubtful debts	4,990	4,943
附加资本总额	Gross value of supplementary capital	4,990	4,943
附加资本的可计算价值	Eligible value of supplementary capital	4,990	4,943
扣减前的资本基础总额	Total capital base before deductions	59,124	57,527
扣减:	Deductions:		
持有附属公司或	Shareholdings in subsidiaries or		
控股公司的股份	holding company	(360)	(375)
对有连系公司的风险承担	Exposures to connected companies	(230)	(347)
持有非附属公司20%或	Equity investments of 20% or more		
以上的股价	in non-subsidiary companies	(221)	(256)
在其他银行或金融机构	Investments in the capital of other banks		
的股本投资	or other financial institutions	(1)	(1)
		(812)	(979)
扣减后的资本基础总额	Total capital base after deductions	58,312	56,548
	<u> </u>		

补充财务资料(续)

Supplementary Financial Information (continued)

3. 流动资金比率

3. Liquidity ratio

	截至	截至
	二零零二年	二零零一年
	六月三十日止	十二月三十一日止
	六个月	三个月
	6 months	3 months
	ended	ended
	30 June	31 December
	2002	2001
Average liquidity ratio —		
BOCHK	41.26%	39.88%

平均流动资金比率-中银香港

截至二零零二年六月三十 日止期间之平均流动资金 比率为中银香港在有关期 间内每月之平均流动资金 比率之简单平均数。

二零零一年之平均流动资金比率为中银香港在二零零一年十月一日(重组合并日期)至二零零一年十二月三十一日止三个月内每月之平均流动资金比率之简单平均数。

流动资金比率是根据《银行业条例》附表四及以单独基准(即只包括香港办事处)计算。

于重组合并前,各前有实体之流动资金比率是以独 自形式管理。 The average liquidity ratio for the period ended 30 June 2002 is calculated as the simple average of each calendar month's average liquidity ratio of Bank of China (Hong Kong) Limited ("BOCHK") for the period.

The average liquidity ratio for 2001 is calculated as the simple average of each calendar month's average liquidity ratio of BOCHK for the 3 months from 1 October 2001 (the date of the restructuring and merger) to 31 December 2001.

The liquidity ratio is computed on the solo basis (the Hong Kong offices only) and is in accordance with the Fourth Schedule of the Banking Ordinance.

Prior to the Restructuring and Merger, the liquidity ratio of each of the predecessor entities was managed on an individual basis.



Supplementary Financial Information (continued)

4. 外币风险

下表列出因外汇自营交易及结构仓盘馀额而产生的主要外币风险摘要。期权盘净额是根据金管局「外币持仓」申报表所载之最保守情况计算的。

4. Currency concentrations

The following is a summary of the major foreign currency exposures arising from trading, non-trading and structural positions. The net option position is calculated based on the "worst-case" approach set out in the prudential return "Foreign Currency Position" issued by the HKMA.

二零零二年六月三十日 As at 30 June 2002

	港币百万元等值							
			Equiva	alent in mil	lions of HK\$	3		
		新西兰元						
		美元	英镑	New	澳元	日元		
		US	Pound	Zealand	Australian	Japanese	其他货币	合计
		Dollars	Sterling	Dollars	Dollars	Yen	Others	Total
			-					
现货资产	Spot assets	181,434	11,806	8,418	25,671	13,465	22,076	262,870
现货负债	Spot liabilities	(134,844)	(17,922)	(15,035)	(26,722)	(2,953)	(19,567)	(217,043)
远期买入	Forward purchases	109,340	11,365	8,528	8,142	17,557	18,990	173,922
远期卖出	Forward sales	(145,155)	(5,229)	(1,924)	(7,111)	(28,095)	(21,375)	(208,889)
期权盘净额	Net options position	446	7	143	146		39	781
长/(短)盘净额	Net long/(short)							
,	position	11,221	27	130	126	(26)	163	11,641



Supplementary Financial Information (continued)

4. 外币风险 (续)

现货货负买 远期权 远期权盘 期权 盘净

长/(短)盘净额

4. Currency concentrations (continued)

二零零一年十二月三十一日 As at 31 December 2001

港币百万元等值

Equivalent in millions of HK\$

			新西兰兀				
	美元	英镑	New	澳元	日元		
	US	Pound	Zealand	Australian	Japanese	其他货币	合计
	Dollars	Sterling	Dollars	Dollars	Yen	Others	Total
Spot assets	197,497	15,996	14,167	28,316	3,428	22,113	281,517
Spot liabilities	(134,348)	(17,971)	(14,550)	(27,380)	(2,081)	(18,859)	(215, 189)
Forward purchases	70,500	5,230	1,211	1,623	10,834	12,726	102,124
Forward sales	(124,606)	(3,233)	(794)	(2,538)	(12,190)	(15,807)	(159,168)
Net options position	4,277	14	43	135	(7)	22	4,484
Net long/(short)							
position	13,320	36	77	156	(16)	195	13,768

于二零零二年六月三十日 及二零零一年十二月三十 一日,本集团并没有重大 结构仓盘净额。 There were no significant net structural positions for the Group as at 30 June 2002 and 31 December 2001.



Supplementary Financial Information (continued)

5. 分类资料

5. Segmental information

(a) 按行业分类客户贷款 总额

(a) Gross advances to customers by industry sector

	As at ember 2001 百万元 HK\$'m
30 June 2002 31 Deccent 2002 港市百万元 HK\$'m 港市 在香港使用的贷款 Loans for use in Hong Kong	ember 2001 百万元 HK\$'m 28,300 7,758 7,314 108 24,091
2002 港市百万元 港市 HK\$'m H	2001 百万元 HK\$'m 28,300 7,758 7,314 108 24,091
港市百万元 港市 HK\$'m H 在香港使用的贷款 Loans for use in Hong Kong	百万元 HK\$'m 28,300 -7,758 7,314 108 24,091
HK\$'m E 在香港使用的贷款 Loans for use in Hong Kong	28,300 -7,758 -7,314 -108 -24,091
在香港使用的贷款 Loans for use in Hong Kong	28,300 27,758 7,314 108 24,091
	7,758 7,314 108 24,091
工商金融业 Industrial, commercial and financial	7,758 7,314 108 24,091
,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7,758 7,314 108 24,091
- 物业发展 - Property development 26,818 2	7,314 108 24,091
- 物业投资 - Property investment 44,814 4	108 24,091
- 金融企业 - Financial concerns 6,691	24,091
-股票经纪 - Stockbrokers 81	
-批发及零售业 - Wholesale and retail trade 22,419 2	
-制造业 - Manufacturing 11,140 1	1,477
- 运输及运输设备 - Transport and transport equipment 9,780	8,778
- 其他 - Others 51,487 5	1,054
个人 Individuals	
- 购买「居者有其屋 - Loans for the purchase of flats in	
计划」、「私人参 Home Ownership Scheme,	
建居屋计划」和 Private Sector Participation Scheme	
「租者置其屋计 and Tenants Purchase Scheme 20,032 2	20,273
划」楼宇的贷款	
-购买其他住宅 - Loans for purchase of other	
物业的贷款 residential properties 85,689 8	2,513
-信用咭贷款 - Credit card advances 3,462	3,019
- 其他 - Others 9,280	9,735
在香港使用的 Total loans for use	
贷款总额 in Hong Kong 291,693 29	4,420
贸易融资 Trade finance 9,763 1	0,566
在香港以外使用 Loans for use outside	
的贷款 Hong Kong 16,178 1	8,052
客户贷款总额 Total advances to customers 317,634 32	23,038



Supplementary Financial Information (continued)

- 5. 分类资料(续)
- 5. Segmental information (continued)
- (b) 按地理区域分类之客 户贷款、逾期贷款及 不履约贷款

下列关于客户贷款总额、逾期超过三个月之贷款及不履约贷款 之地理区域分析是根据交易对手的所关根据交易对手的所关税。 款之转移风险因素。 (b) Geographical analysis of gross advances to customers, overdue advances and non-performing loans

The following geographical analysis of gross advances to customers, overdue advances for more than three months and non-performing loans is based on the location of the counterparties, after taking into account of the transfer of risk in respect of such advances where appropriate.

- (i) 客户贷款总额
- (i) Gross advances to customers

		二零零二年	二零零一年
		六月三十日	十二月三十一日
		As at	As at
		30 June	31 December
		2002	2001
		港币百万元	港币百万元
		HK\$'m	HK\$'m
香港	Hong Kong	305,892	310,953
中国内地	Mainland China	6,348	7,753
其他	Others	5,394	4,332
		317,634	323,038



Supplementary Financial Information (continued)

- 5. 分类资料(续)
- 5. Segmental information (continued)
- (b) 按地理区域分类之客 户贷款、逾期贷款及 不履约贷款 (续)
- (b) Geographical analysis of gross advances to customers, overdue advances and non-performing loans *(continued)*
- (ii) 逾期超过三个月 之贷款
- (ii) Overdue advances for over three months

二零零一年	二零零二年		
十二月三十一日	六月三十日		
As at	As at		
31 December	30 June		
2001	2002		
港币百万元	港币百万元		
HK\$'m	HK\$'m		
21,713	19,296	Hong Kong	香港
3,465	2,294	Mainland China	中国内地
120	137	Others	其他
25,298	21,727		
		(iii) Non-performing loans	(iii) 不履约贷款
二零零一年	二零零二年		
十二月三十一日	六月三十日		
As at	As at		
31 December	30 June		
2001	2002		
港币百万元	港币百万元		
HK\$'m	HK\$'m		
30,043	25,821	Hong Kong	香港
5,130	2,483	Mainland China	中国内地
339	194	Others	其他
35,512	28,498		

补充财务资料(续)

Supplementary Financial Information (continued)

6. 跨境债权

6. Cross-border claims

The information on cross-border claims discloses exposures to foreign counterparties on which the ultimate risk lies, and is derived according to the location of the counterparties after taking into account any transfer of risk. In general, such transfer of risk takes place if the claims are guaranteed by a party in a country which is different from that of the counterparty or if the claims are on an overseas branch of a bank whose head office is located in another country. Only regions constituting 10% or more of the aggregate cross-border claims are analysed by geographical areas and disclosed as follows:

		金融机构			
		Banks and	公共机构		
		other	Public		
		financial	sector	其他	合计
		institutions	entities	Others	Total
		港币百万元	港币百万元	港币百万元	港币百万元
于二零零二年六月三十日	As at 30 June 2002	HK\$'m	HK\$'m	HK\$'m	HK\$'m
亚洲,不包括	Asia, other than				
香港	Hong Kong	65,728	7,555	9,749	83,032
北美洲	North America	23,323	27,443	16,771	67,537
西欧	Western Europe	152,709	3,587	20,049	176,345
加勒比海国家	Caribbean			2,545	2,545
		241,760	38,585	49,114	329,459

银行及



补充财务资料 (续) Supplementary Financial Information (continued)

6. 跨境债权(续) 6. Cross-border claims (continued)

		银行及			
		金融机构			
		Banks and	公共机构		
		other	Public		
		financial	sector	其他	合计
		institutions	entities	Others	Total
于二零零一年	As at	港币百万元	港币百万元	港币百万元	港币百万元
十二月三十一日	31 December 2001	HK\$'m	HK\$'m	HK\$'m	HK\$'m
亚洲,不包括	Asia, other than				
香港	Hong Kong	133,805	15,771	10,337	159,913
北美洲	North America	34,303	18,526	8,725	61,554
西欧	Western Europe	143,297	3,172	3,934	150,403
加勒比海国家	Caribbean			3,105	3,105
		311,405	37,469	26,101	374,975



Supplementary Financial Information (continued)

- 7. 逾期及经重组资产
- 7. Overdue and rescheduled assets
- (a) 客户贷款
- (a) Advances to customers
- (i) 已逾期之总客户 贷款
- (i) Gross amount of overdue advances

二零零二年

占客户贷款

二零零一年

占客户贷款

		- 4 4 - 1	日日/ 外級	- < < 1	H H / / //
		六月三十日	总额百分比	十二月三十一日	总额百分比
		As at	% of gross	As at	% of gross
		30 June	advances to	31 December	advances to
		2002	customers	2001	customers
		港币百万元		港币百万元	
		HK\$'m		HK\$'m	
客户贷款总额	Gross advances to				
已逾期:	customers which				
	have been				
	overdue for:				
- 超过三个月	- six months or				
但不超过	less but over				
六个月	three months	2,455	0.77%	4,212	1.30%
- 超过六个月	- one year or less				
但不超过一年	but over				
	six months	5,770	1.82%	5,427	1.68%
-超过一年	- over one year	13,502	4.25%	15,659	4.85%
		21,727	6.84%	25,298	7.83%

于二零零二年六零二年十二月三十十二日, 有三十二日,没有一日,没有一日,没有一日,没有一日,没有一个。 根行贷款。 At 30 June 2002 and 31 December 2001, there were no advances to banks and other financial institutions which were overdue for over three months.



Supplementary Financial Information (continued)

- 7. 逾期及经重组资产(续)
- 7. Overdue and rescheduled assets (continued)
- (a) 客户贷款 (续)
- (a) Advances to customers (continued)
- (ii) 逾期贷款与不履 约贷款:
- (ii) Overdue advances are reconciled to non-performing loans as follows:

		二零零二年	二零零一年
		六月三十日	十二月三十一日
		As at	As at
		30 June	31 December
		2002	2001
	_	港币百万元	港币百万元
		HK\$'m	HK\$'m
逾期超过三个月	Advances which are overdue		
之贷款	for more than three months	25,298	
加:逾期三个月或	Add: non-accrual advances which		
以下已停止	are overdue for three months		
累计利息	or less		
之贷款			
-包括在经重	- included in rescheduled		
组之贷款内	advances 1,480		1,315
- 其他	- others 6,152		10,685
减:逾期超过三个月	Less: advances which are overdue		
并仍累计利息	for more than three months and on		
之贷款	which interest is still being accrued	(861)	(1,786)
不履约贷款	Non-performing loans	28,498	35,512



Supplementary Financial Information (continued)

- 7. 逾期及经重组资产(续)
- 7. Overdue and rescheduled assets (continued)
- (a) 客户贷款 (续)
- (a) Advances to customers (continued)
- (iii) 经重组贷款(已 扣除上述细项(i) 逾期超过三个月 之贷款)如下:
- (iii) Rescheduled advances (net of amounts included in overdue advances for more than three months and reported in item (i) above) are as follows:

	二零零二年	占客户贷款	二零零一年	占客户贷款
	六月三十日	总额百分比	十二月三十一日	总额百分比
	As at	% of gross	As at	% of gross
	30 June	advances to	31 December	advances to
	2002	customers	2001	customers
	港币百万元		港币百万元	
	HK\$'m		HK\$'m	
Rescheduled				
advances	1,617	0.51%	1,814	0.56%

经重组贷款

于二零零二年六 月三十日及二零 零一年十二月三 十一日,没有经 重组之银行及其 他金融机构贷 款。 At 30 June 2002 and 31 December 2001, there were no rescheduled advances to banks and other financial institutions.

- (b) 其他逾期资产
- (b) Other overdue assets

		二零零二年	二零零一年
		六月三十日	十二月三十一日
		As at	As at
		30 June	31 December
		2002	2001
		港币百万元	港币百万元
		HK\$'m	HK\$'m
已逾期:	Overdue for:		
-超过三个月	- six months or less		
但不超过六个月	but over three months	10	9
-超过六个月	- one year or less		
但不超过一年	but over six months	21	5
-超过一年	- over one year	19	4
		50	18

补充财务资料(续)

Supplementary Financial Information (continued)

8. 风险管理

中银香港风险管理的目标 是将风险控制在可接受的 水平的前题下,获取长期 的经风险调节后的资本回 报的最大化和股东价值最 大化。为保证风险管理目 标的实现,我们采取如下 措施:

- 建立了更加独立、集中、全面的风险管理体系。该体系注重建立良好公司治理机制,强调股东利益最大化,平衡收益与可接受风险;
- 实行严格的风险管理 问责制;
- 采用国际银行风险管理的原则和最佳做法;
- 完善风险管理信息系统、风险衡量技术及风险监控手段;
- 注重改善风险管理文化。

中银香港已制定并实施一套全面的风险管理政策与程序,以识别、衡量、监察及控制全行的信贷风险、市场风险、流动性风险和操作风险。董事会属下的风险管理委员会负责审批风险政策及程序。

8. Risk management

BOCHK's goal in risk management is to maximise its long-term risk-adjusted return on capital as well as shareholders' wealth while maintaining its risk exposure within acceptable parameters. Our risk management philosophy seeks to achieve our goal by:

- establishing a more independent, centralised and comprehensive risk management system, which stresses on standardising corporate governance structure, maximising shareholders' value and balancing the risk and return level:
- emphasising the importance of risk control responsibility and accountability;
- adopting international risk management principles and best practices;
- improving our management information systems, risk measurement techniques and risk monitoring controls; and
- modernising our risk management culture on a continuous basis.

BOCHK has developed and implemented comprehensive risk management policies and procedures to identify, measure, monitor and control credit risk, market risk, liquidity risk and operational risk across the organisation. The Risk Management Committee under the Board of Directors has the responsibility of approving risk management policies and procedures.



Supplementary Financial Information (continued)

8. 风险管理(续)

8. Risk management (continued)

Our Chief Risk Officer oversees and monitors the operations of the risk management department ("RMD") and reports directly to the Risk Management Committee. The Chief Risk Officer is also responsible for assisting the Chief Executive on bank-wide credit risk, market risk and operational risk management and submitting to the Risk Management Committee the independent risk management report each month. In addition, our Chief Financial Officer, with assistance of the Treasurer, monitors the bank-wide interest rate risk and liquidity risk and submits reports to the Asset and Liability Management Committee ("ALCO") on a regular basis.

BOCHK's principal banking subsidiaries, Nanyang and Chiyu Banking Corporation Limited ("Chiyu"), also face the same types of inherent business risks and they generally follow our risk management strategies and policies. In addition, Nanyang and Chiyu have generally implemented risk management controls and procedures that are in compliance with the risk management controls and procedures of BOCHK. Within this general risk management framework, Nanyang and Chiyu may conduct their existing risk management practices according to their own specific circumstances.



Supplementary Financial Information (continued)

8. 风险管理(续)

信贷风险管理

信贷风险指客户或交易对 手不能或不愿履行其已与 中银香港达成的承诺的风 险。信贷风险主要来自贷 款、贸易融资及财资业 务。

中银香港相信,独立、恰当的平衡制约体系是有效风险管理的关键。为理理的在中银香港的组织管理部和中,风险管理部和稽核部分别直接向风险管理。员会及稽核委员会报告,形成独立监察机制。

8. Risk management (continued)

Credit risk management

Credit risk is the risk that a customer or counterparty will be unable or unwilling to meet a commitment that it has entered into with BOCHK. Credit risk arises principally from BOCHK's lending, trade finance and treasury operations.

BOCHK considers that independence and proper checks-and-balances are of critical importance in carrying out effective risk management. To this purpose, BOCHK's managerial/organisational structure placed our RMD and Audit Department in a hierarchical position in which they report directly to the Risk Management Committee and Audit Committee respectively. These committees and departments form an independent line of control.

To avoid any potential conflicts of interest, the credit review functions are independent of the business development units. BOCHK's credit assessment emphasises a thorough understanding of the purpose and structure of the loan, the borrower's financial status, cash flow position and repayment ability as well as business management.

BOCHK exercises credit risk monitoring in a prudent manner with the involvement of multiple levels within our organisation. This process enables BOCHK to promptly detect any early signs of loan deterioration and identifies potential loan classification downgrades so that the appropriate actions can be taken to manage the loans. To improve the credit quality and control the non-performing loan ratio, BOCHK establishes a clear target to evaluate the performance of the credit initiation units and the Special Asset Management Department.

补充财务资料(续)

Supplementary Financial Information (continued)

8. 风险管理(续)

市场风险管理

市场风险是指因为利率或市价波动导致资产负债。内及以外持仓之亏损损危。本行的市场风险。本行的市场风险营销仓。与市场风险有关的自营持仓每日均会按市值计价基准评估。

风险管理部设市场风险管理 处,负责日常市场风险管理。该处透过每日监察程 序,计算实际风险水平与经 核准风险限额的差距,并提 出具体措施,以确保整体和 个别的市场风险均限制在可 接受水平之内。

「涉险值」是一种统特自是一种统特信息一种统特信息一种统特信息一种统特信息一种统特信率。 对于工作的工作。 对于工作的工作, 对于工作的人, 对于工作的人, 对于工作的人, 对于一种, 对于一种,, 对于一种, 对于一种,, 对于一种,, 对于一种,, 对于一种,, 对于一种,, 对于一种,, 对于一种,, 对于一种,,, 对于一种,, 对于一种,

8. Risk management (continued)

Market risk management

Market risk is the risk that the movements in interest rates or market prices will result in losses in on- and off-balance sheet positions. BOCHK's market risk arises from customer-related business and from position taking. Market risk trading positions are subject to daily mark-to market valuation.

Market risk is managed within risk limits approved by the Risk Management Committee. The overall risk limits are set into sub-limits by reference to different risk factors, which are interest rate, foreign exchange, commodity and equity prices. Considering the different nature of the products involved, limits are set by using a combination of risk measurement techniques, including position limits and sensitivity limits.

The Market Risk Division in the RMD is responsible for the daily market risk management. Through the daily risk monitoring process, the Market Risk Division measures risk exposures against approved limits and initiates specific action to ensure that the overall and individual market risks are managed within an acceptable level.

Value at Risk ("VaR") is a statistical technique which estimates the potential losses that could occur on risk positions taken due to movements in foreign exchange, interest rates, commodity and equity prices over a specified time horizon and to a given level of confidence. The model used by BOCHK to calculate portfolio and individual VaR on a variance/covariance basis, uses historical movements in market rates and prices, a 99% confidence level and a 1-day holding period and generally takes account of correlations between different markets and rates.



Supplementary Financial Information (continued)

8. 风险管理(续)

二零零二年六月三十日, 中银香港所有自营市场风 险持仓的涉险值为 6,500,000港元(二零零一 年十二月三十一日之数值 为1,600,000港元),所有 自营利率风险持仓的涉险 值为7,800,000港元(二零 零一年十二月三十一日为 1,500,000港元),而所有 自营汇率风险持仓的涉险 值为900.000港元(二零零 一年十二月三十一日为 1,200,000港元)。二零零 二年上半年内平均涉险值 为2,500,000港元。

中银香港在重组及合并前,中银集团各成员银行各自管理市场风险,故明年度上半年度上等国的自营市场风险。中银大中银集团的自营市场风险不平均。一年度同期无可比较大有显示有关数据。

外汇风险管理

中存易币须港汇透外外风险汇额产电银、联场担过风设交风管理险户卖银易险场中限限有会等工作。的率业。持亏。委负其制度及香活。活中额额限审日亏香处场中限限有会每止银份,交易险理部及控控中限限有会每止银份,额批监损港户生货价。

8. Risk management (continued)

The VaR for all trading market risk exposure of BOCHK at 30 June 2002 was HK\$6.5 million (HK\$1.6 million at 31 December 2001), the VaR for all trading interest rate risk exposure was HK\$7.8 million (HK\$1.5 million at 31 December 2001) and the VaR for all trading foreign exchange risk exposure was HK\$0.9 million (HK\$1.2 million at 31 December 2001). The average VaR for the period ended 30 June 2002 was HK\$2.5 million.

Prior to the restructuring and merger, market risk of each of the predecessor entities was managed on an individual basis. As a result, the average VaR from market risk-related trading activities of BOCHK for the period ended 30 June 2001 is not comparable and hence not presented.

Foreign exchange risk management

BOCHK provides foreign exchange deposit, margin trading and forward transaction services to its customers. BOCHK's trading activities in the foreign currency markets expose it to exchange rate risk. BOCHK manages exchange rate risks through its interbank market activities. In particular, BOCHK mitigates exchange rate risks by establishing position limits and limits on the loss of the whole foreign exchange trading floor. All these limits are approved by the Risk Management Committee. The RMD is responsible for monitoring foreign exchange exposure and related stoploss limits on a day-to-day basis as well as controlling BOCHK's credit risk exposure arising from foreign exchange transactions.

补充财务资料(续)

Supplementary Financial Information (continued)

8. 风险管理(续)

利率风险管理

中银香港司库负责制订利 率风险管理政策及发展风 险管理系统以协助中银香 港的资产负债管理委员会 确定、量度、监察及控制 利率风险。司库利用差距 分析量度在每段到期日子 或必须重订价格的日子内 之计息资产与计息负债差 额,以反映在指定的日期 之资产负债表所含利率敏 感缺口特性。司库以分货 币形式将中银香港所有资 产、负债及表外项目,根 据合约到期日或预计重订 价格日期,分别排入对应 的时段类别,计算在每个 时段内到期或重订价格的 资产负债金额之差异,以 显示中银香港在新订或重 订价格的资产和负债息差 方面的潜在变动风险。利 率敏感缺口所带来的潜在 风险可利用模拟利率的变 化以测试缺口对利差的影 响幅度是否可以控制,有 关的结果均反映在每天的 报告内。

8. Risk management (continued)

Interest rate risk management

BOCHK's balance sheet consists predominantly of Hong Kong dollar denominated interest rate sensitive assets and liabilities. BOCHK's primary sources of interest rate risk are mismatches in the maturities or re-pricing periods of these assets and liabilities and movements in interest rates. In addition, different pricing bases for different transactions may also lead to interest rate risk for BOCHK's assets and liabilities within the same repricing period.

BOCHK's Treasurer is responsible for formulating the policy and developing risk management system to assist BOCHK's ALCO in identifying, measuring, monitoring and controlling interest rate risk. The Treasurer uses gap analysis to measure BOCHK's exposure to interest rate risk. The gap is the difference between the amount of interest-earning assets and interest-bearing liabilities that mature or must be re-priced within a specific time band. It provides BOCHK with a static view of the maturity and re-pricing characteristics of its balance sheet positions. The Treasurer measures the gaps by classifying all assets, liabilities and off-balance sheet items for each currency into appropriate time bands according to contracted maturities or anticipated re-pricing time bands to indicate the extent to which BOCHK is exposed to the risk of potential changes in the margins on new or re-priced assets and liabilities. The potential risks associated with these gaps are measured through simulated interest rate scenarios to testify that the interest income variations are within the manageable range and the results are reflected on daily reports.



Supplementary Financial Information (continued)

8. 风险管理(续)

流动风险管理

中银香港将所得资金大部份用于放贷、投资债券或作同业拆放。一般而言,接受存款的平均到期日较贷款或投资的期限为短,并较同业拆放的平均到期日为长。

8. Risk management (continued)

Liquidity risk management

Liquidity risk arises in the funding of lending, trading and investment activities and in the management of trading positions. Liquidity risk includes both the risk of unexpected increase in the cost of funding to refinance the BOCHK's asset portfolio at appropriate maturities and the risk of being unable to liquidate a position in a timely manner and/or at a reasonable price. The goal of liquidity management is for BOCHK to be able, even under adverse market conditions, to meet all its maturing repayment obligations on time and fund all of its investment opportunities.

BOCHK maintains flexibility in meeting its funding requirements by maintaining diverse sources of liquidity. BOCHK funds its operations principally by accepting deposits from retail and corporate depositors. BOCHK may also borrow in the short-term interbank markets, although it is typically a net lender of funds. In addition, BOCHK may from time to time raise funds through the sale of investments.

BOCHK uses the majority of funds raised to extend loans, make investments in debt securities or conduct interbank placements. Generally, deposits are of shorter average maturity than that of loans or investments and are of longer average maturity compared with interbank placements.

BOCHK maintains a buffer portfolio of liquid, high quality securities that is managed by BOCHK's Treasurer. These securities may generally be sold at any time at market prices to meet BOCHK's emergent liquidity needs. BOCHK may also manage its liquidity by borrowing in the interbank markets on a short-term basis. The interbank markets generally provide an adequate amount of liquidity, at borrowing rates that are subject to market conditions.

补充财务资料(续)

Supplementary Financial Information (continued)

8. 风险管理(续)

中银香港资产负债管理策 略的主要目标是要保持足 够的流动性和资本金水 平,在有效的风险管理机 制内及合理的融资成本要 求,争取最大回报。中银 香港的资产负债管理委员 会负责制定政策方针并透 过司库的职责确保中银香 港有足够的流动资金及能 取得最低融资成本,同时 紧密策划及监察中银香港 的资产负债表内外持仓量 所衍生的风险。中银香港 司库会按情况调整银行的 流动资金及外汇管理盘的 持仓水平,以配合资产负 债管理委员会政策,并就 投资、融资和外汇管理盘 的现有水平和预计变化, 向资产负债管理委员会汇 报和分析。针对流动管 理,中银香港已实施各项 措施以:

- 改善其管理资讯系统,分别在每日、每周及每月提供有关流动资产变动及客户存款变动的最新资料;
- 监察流动比率,以符合香港金融管理局的规定;
- 定期编制到期差距分析,协助管理层及时 检讨和监察中银香港 的流动资金状况;

8. Risk management (continued)

The primary goal of the BOCHK's asset and liability management strategy is to achieve an optimal return while ensuring adequate levels of liquidity and capital within an effective risk control framework and at reasonable cost of funding. BOCHK's ALCO is responsible for establishing these policy directives and works closely with the Treasurer to ensure that BOCHK maintains adequate levels of liquidity and secures the lowest possible cost of funding, while closely planning and monitoring BOCHK's on- and off-balance sheet assets and liabilities according to the risk incurred. The Treasurer adjusts, as necessary, BOCHK's liquidity and foreign exchange positions in line with the policies of ALCO, and also provides reporting and analytical services to ALCO with respect to current and planned positions taken for investment, funding and foreign exchange management purposes. In particular, BOCHK has implemented various measures to:

- improve its management information system to provide timely information on the movement of its liquid assets and that of its customer deposits on a daily, weekly and monthly basis;
- monitor liquidity ratios in compliance with the HKMA's requirements;
- prepare regular maturity gap analyses to enable management to review and monitor BOCHK's liquidity position on a timely basis;



Supplementary Financial Information (continued)

8. 风险管理(续)

- 进行处境分析,以评估不同风险因素对流动资金状况的影响;
- 设定须受监察的一系列流动性风险因素和流动性风险预警系统,为不寻常情况作出预警报告;及
- 设立三级应变机制, 更有效处理紧急事件。

8. Risk management (continued)

- conduct scenario analysis to estimate the impact of various risk factors on the liquidity position;
- establish a range of liquidity risk factors to be monitored and a liquidity risk warning index system to detect early signs of any irregularities; and
- create a three-tier response system to effectively deal with any emergencies.

资本管理

本集团采用资本充足比率 (「CAR」) 作为主要量度标 准以监控本身资本的充足 性,并须符合香港金管局 的法定要求。在报表披露 的经营期间,集团须维持 资本水平以符合各项法定 要求。按合并基础计算, 未经调整的资本充足比率 为14.68%;而经调整了市 场风险的资本充足比率为 15.02%。两项比率均较法 定最低要求为高。与上年 底比较,未经调整及经调 整后的比率分别有0.30% 及0.45%的增加。

Capital management

The Group monitors the adequacy of its capital using the Capital Adequacy Ratio ("CAR") as one of the major measurements, which is subject to the Hong Kong Monetary Authority regulatory requirements. The Group maintained its capital to comply with all the statutory standards for all the periods presented in the report. On consolidated basis, BOCHK's unadjusted CAR and adjusted CAR incorporating market risk were improved from 14.38% and 14.57% as at the end of last year to 14.68% and 15.02% respectively. Both were well above the statutory minimum standards.

补充财务资料(续)

Supplementary Financial Information (continued)

8. 风险管理(续)

操作风险管理

操作风险涉及因操作流程不完善、人为过失、电脑系统故障或外部突发事件等因素造成的经济损失。此类风险存在于各项业务及后勤活动中,是中银香港面对的主要风险之一。

中银香港将进一步改善识别、衡量、监督及控制操 作风险的管理方法,以达 至国际水平。

8. Risk management (continued)

Operational risk management

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people and systems or from external events. It is one of the major risks to which BOCHK is exposed and is inherent to various businesses and back office processing.

BOCHK manages operational risk mainly through its internal controls to ensure all operations are conducted effectively. At the same time, BOCHK is enhancing its business continuity plan to ensure that the operation of critical functions can recover within a short time frame and minimise the impact to customers in the event of a disaster.

To be in line with international best practices, BOCHK will further enhance the methodologies in identifying, measuring, monitoring and controlling operational risk.