Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary

Interim financial statements for the six-month period ended 30 June 2017 and Independent Auditor's Report



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Independent Auditor's Report

To the Board of Directors of Standard Chartered Bank (Thai) Public Company Limited

Opinion

I have audited the interim consolidated and the Bank only financial statements of Standard Chartered Bank (Thai) Public Company Limited and its subsidiary (the "Group") and of Standard Chartered Bank (Thai) Public Company Limited (the "Bank") respectively, which comprise the consolidated and the Bank only statements of financial position as at 30 June 2017, the consolidated and the Bank only statements of profit or loss and other comprehensive income, changes in equity and cash flows for the six-month period then ended and notes, comprising a summary of significant accounting policies and other explanatory information.

In my opinion, the accompanying interim consolidated and the Bank only financial statements present fairly, in all material respects, the financial position of the Group and the Bank only, respectively, as at 30 June 2017 and their financial performance and cash flows for the six-month period then ended in accordance with Thai Financial Reporting Standards (TFRSs).

Basis for Opinion

I conducted my audit in accordance with Thai Standards on Auditing (TSAs). My responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Interim Consolidated and the Bank only Financial Statements* section of my report. I am independent of the Group and the Bank in accordance with the Code of Ethics for Professional Accountants issued by the Federation of Accounting Professions under the Royal Patronage of His Majesty the King that are relevant to my audit of the interim consolidated and the Bank only financial statements, and I have fulfilled my other ethical responsibilities in accordance with these requirements. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

Responsibilities of Management and Those Charged with Governance for the Interim Consolidated and the Bank only Financial Statements

Management is responsible for the preparation and fair presentation of these interim consolidated and the Bank only financial statements in accordance with TFRSs, and for such internal control as management determines is necessary to enable the preparation of interim consolidated and the Bank only financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the interim consolidated and the Bank only financial statements, management is responsible for assessing the Group's and the Bank's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group and the Bank or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Group's and Bank's financial reporting process.

KPMG Phoomchai Audit Ltd., a Thai liability limited company and a member firm of the KPMG network of independent



Auditor's Responsibilities for the Audit of the Interim Consolidated and the Bank only Financial Statements

My objectives are to obtain reasonable assurance about whether the interim consolidated and the Bank only financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with TSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these interim consolidated and the Bank only financial statements.

As part of an audit in accordance with TSAs, I exercise professional judgment and maintain professional skepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the interim consolidated and the Bank only financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's and the Bank's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's and the Bank's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the interim consolidated and the Bank only financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Group and the Bank to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the interim consolidated and the Bank only financial statements, including the disclosures, and whether the interim consolidated and the Bank only financial statements represent the underlying transactions and events in a manner that achieves fair presentation
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the interim consolidated financial statements. I am responsible for the direction, supervision and performance of the group audit. I remain solely responsible for my audit opinion.

I communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

(Chanchai Sakulkoedsin) Certified Public Accountant

Registration No. 6827

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KPMG Phoomchai Audit Ltd. Bangkok 25 August 2017

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of financial position

Consolidated Bank only	
(in thousand Baht)	71,469
	71,469
Cash 289,495 271,469 289,495	
Interbank and money market items, net 7, 30 57,636,112 56,697,846 57,636,112 56,	97,846
Derivative assets 8, 30 18,335,426 23,277,544 18,335,426 23,	77,544
Investments, net 9, 28 32,263,119 32,646,309 32,263,119 32,	46,309
Investments in subsidiary 10 - 48,170	48,170
Loans to customers and accrued interest receivable, net 11, 12, 30	
Loans to customers 41,996,239 38,138,566 41,996,239 38,	38,566
Accrued interest receivable 109,563 78,761 109,563	78,761
	17,327
	54,255)
	63,072
	13,267
• •	32,259
Intangible assets, net 96,157 96,973 96,157	96,973
	25,990
Accounts receivable from sales of investments and	47, 401
	47,401
Collateral from Credit Support Annex agreements and	20.200
	38,298
	53,124
	89,423 01,145
107,150,504 150,505,207 107,170,725 150,	01,145
Liabilities and equity	
Liabilities	
Deposits 20, 30 64,339,823 52,136,653 64,383,444 52,	80,497
Interbank and money market items 21, 30 26,234,393 28,047,796 26,234,393 28,	47,796
Liabilities payable on demand 1,324,117 1,548,139 1,324,117 1,	48,139
Liabilities to deliver security 3,423,015 - 3,423,015	-
	36,229
· · · · · · · · · · · · · · · · · · ·	22,600
	13,267
	43,979
	86,799
Collateral from Credit Support Annex agreements and	
	25,951
•	30,443
1 0 1	30,261
	89,621
Total liabilities <u>147,909,399</u> <u>152,213,704</u> <u>147,952,678</u> <u>152,</u>	55,582
Equity	
Share capital 26	
Authorised share capital 14,842,627 14,842,627 14,842,627 14,	42,627
	37,045
•	55,819
Other reserves 27 (56,751) (197,007) (56,751)	97,007)
Retained earnings	
Appropriated	
	96,086
······································	53,620
 	45,563
Total liabilities and equity <u>187,136,564</u> <u>190,659,267</u> <u>187,178,423</u> <u>190,</u>	01,145

(นาย พลากร หวั่งหลี) (Mr.Plakom Wanglee) กรรมการผู้จัดการใหญ่และประธานเจ้าหน้าที่บริหาร (นาง อรนุช นำพูลสุขสันดิ์) (Ms.Oranuch Nampoolsuksan) กรรมการและรองกรรมการผู้จัดการใหญ่

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of profit or loss and other comprehensive income

		Consolidated		Bank only		
		Six-month period	od ended	Six-month peri	od ended	
	Note	30 Jui	ne	30 Ju	ne	
		2017	2016	2017	2016	
			(Restated)		(Restated)	
			(in thousan	d Baht)		
Continued operations						
Interest income	30, 33	1,364,724	1,414,066	1,364,724	1,259,062	
Interest expenses	34	647,173	647,965	647,227	648,152	
Net interest income	<u></u>	717,551	766,101	717,497	610,910	
Fees and service income		474,722	404,024	474,722	404,024	
Fees and service expenses	_	78,496	94,654	78,496	72,978	
Net fees and service income	35	396,226	309,370	396,226	331,046	
Gains on trading and foreign exchange transactions, net	30, 36	594,159	880,482	594,159	880,482	
Gains (losses) on investments, net	37	(3,285)	258,178	(3,285)	250,058	
Other operating income	30	4,579	48,417	4,579	29,620	
Total operating income	_	1,709,230	2,262,548	1,709,176	2,102,116	
Other operating expenses	30					
Employee expenses	38	786,565	836,103	786,563	805,694	
Directors' remuneration		3,900	4,098	3,900	4,098	
Premises and equipment expenses		53,997	74,461	53,997	69,511	
Taxes and duties		40,831	40,678	40,831	32,521	
Service agreements		261,097	286,224	261,097	286,224	
Others	_	216,229	245,413	217,597	212,537	
Total other operating expenses	_	1,362,619	1,486,977	1,363,985	1,410,585	
Reversal of impairment loss of loans and debt securities	13, 39	(252,320)	(142,746)	(252,320)	(140,084)	
Profit from continued operations before						
income tax		598,931	918,317	597,511	831,615	
Income tax	40	177,619	307,490	177,619	278,873	
Profit from continued operations	_	421,312	610,827	419,892	552,742	
Discontinued operation						
Profit from discontinued operation, net of tax	17	605,797	450,536	605,797	410,174	
Profit for the period	_	1,027,109	1,061,363	1,025,689	962,916	
04						
Other comprehensive income						
Items that are or may be reclassified to profit or loss		102 624	(62.257)	192 624	(62.257)	
Gain (losses) on remeasuring available-for-sale investments		182,634 (7,314)	(63,257) 50,719	182,634	(63,257) 50,719	
Gain (losses) on cash flow hedges of derivatives revaluation	40			(7,314)		
Income tax relating to other comprehensive income Total other comprehensive income for the period, not of tax	40 _	(35,064)	2,759	(35,064)	2,508	
Total other comprehensive income for the period, net of tax	-	140,256	(9,779)	140,256	(10,030)	
Total comprehensive income for the period		1,167,365	1,051,584	1,165,945	952,886	
Total comprehensive income for the period	=	1,107,505	1,051,504	1,105,745	752,000	
Profit attributable to:						
Shareholders of the Bank		1,027,109	1,061,362	1,025,689	962,916	
Non-controlling interest		1,027,107	1,001,502	1,023,007	702,710	
Profit for the period	_	1,027,109	1,061,363	1,025,689	962,916	
Trong the period	=	1,027,103	1,001,000	1,020,000	502,510	
Total comprehensive income attributable to :						
Shareholders of the Bank		1,167,365	1,051,583	1,165,945	952,886	
Non-controlling interest		-	1,031,383	1,103,773		
Total comprehensive income for the period	-	1,167,365	1,051,584	1,165,945	952,886	
r	=	,,	,,	,,	,000	
Earnings per share						
Basic earnings per share (in Baht)	41	0.69	0.72	0.69	0.65	
	=			-		

(นาย พลากร หวั่งหลี) (Mr.Plakom Wanglee) กรรมการผู้จัคการใหญ่และประธานเจ้าหน้าที่บริหาร (นาง อรบุช นำพูลสุขสันติ์) (Ms.Oranuch Nampoolsuksan) กรรมการและรองกรรมการผู้จัดการใหญ่

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of changes in equity

Consolidated

							Consolidated					
						Other reserves		Retained	earnings			
				Reserve arising	Fair value							
		Issued and		from business	change in					Total		
		paid-up	Premium on	combination under	available-for-sale		Total other			shareholders'	Non-controlling	
	Note	share capital	share capital	common control	investments	Cash flow hedges	reserves	Legal reserve	Unappropriated	equity	interest	Total equity
	woie	share capitar	snare capitai	common control	mvestments	_		Legal reserve	Chappropriated	equity	merest	rotal equity
a						(1	in thousand Baht)					
Six-month period ended 30 June 2016												
Balance as at 1 January 2016		14,837,045	9,055,819	(496,906)	43,701	2,791	46,492	1,083,609	13,890,740	38,416,799	14	38,416,813
Transactions with owners, recorded directly in equity												
Distribution to owners of the Bank												
Dividends	42	-							(178,045)	(178,045)		(178,045)
Total distribution to owners of the Bank		-	-	-	-	-	-	-	(178,045)	(178,045)	-	(178,045)
Comprehensive income for the period												
Profit for the period		-	-	-	-	-	-	-	1,061,362	1,061,362	1	1,061,363
Other comprehensive income												
Available-for-sale investments												
Net change in fair value recognised in equity, net of tax		_	_	-	(50,605)	_	(50,605)	_	_	(50,605)	_	(50,605)
Cash flow hedges					(, , , , ,		(,,			(,,		(,,
Net change of effective portion of fair value of												
cash flow hedges, net of tax						40,575	40,575		_	40,575		40,575
Acturial gains on defined benefit plan, net of tax		-	-	•	_	40,575	40,575	_	251	251	-	251
	-				(50, 605)	40,575	(10.030)					
Total other comprehensive income	-				(50,605)				251	(9,779)		(9,779)
Total comprehensive income for the period	-				(50,605)	40,575	(10,030)		1,061,613	1,051,583	1	1,051,584
Balance as at 30 June 2016	=	14,837,045	9,055,819	(496,906)	(6,904)	43,366	36,462	1,083,609	14,774,308	39,290,337	15	39,290,352
Six-month period ended 30 June 2017												
Balance as at 1 January 2017		14,837,045	9,055,819	-	(191,784)	(5,223)	(197,007)	1,102,086	13,647,620	38,445,563	-	38,445,563
Transactions with owners, recorded directly in equity												
Distribution to owners of the Bank												
Dividends	42	-	-	-	-	-	-	-	(385,763)	(385,763)	-	(385,763)
Total distribution to owners of the Bank	_	-	-	-					(385,763)	(385,763)	-	(385,763)
Comprehensive income for the period												
Profit for the period		-	_	_	_	_	_	_	1,027,109	1,027,109		1,027,109
Other comprehensive income									-,,	-,,		-,,
Available-for-sale investments												
Net change in fair value recognised in equity, net of tax					146,108		146,108			146,108		146,108
Cash flow hedges					140,108		140,100			140,100		140,108
-												
Net change of effective portion of fair value of						(E 953)	(5.952)			(E 952)		(5.052)
cash flow hedges, net of tax	-	-			- 146 100	(5,852)	(5,852)			(5,852)		(5,852)
Total other comprehensive income	-				146,108	(5,852)	140,256			140,256		140,256
Total comprehensive income for the period	-			<u>-</u>	146,108	(5,852)	140,256		1,027,109	1,167,365		1,167,365
Balance as at 30 June 2017	-	14,837,045	9,055,819		(45,676)	(11,075)	(56,751)	1,102,086	14,288,966	39,227,165		39,227,165

(นาย พลากร หวั่งหลี) (Mr.Plakorn Wanglee) กรรมการผู้จัดการใหญ่และประธานเจ้าหน้าที่บริหาร (นาง อรนุช นำพูลสุขสันติ์) (Ms.Oranuch Nampoolsuksan) กรรมการและรองกรรมการผู้จัดการใหญ่

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of changes in equity

						Bank only			
					Other reserves		Retained e	arnings	
				Fair value					
		Issued and		change in					
		paid-up	Premium on	available-for-sale		Total other			
	Note	share capital	share capital	investments	Cash flow hedges	reserves	Legal reserve	Unappropriated	Total equity
						(in thousand Baht)			
Six-month period ended 30 June 2016									
Balance as at 1 January 2016		14,837,045	9,055,819	43,701	2,791	46,492	1,075,109	13,367,098	38,381,563
Transactions with owners, recorded directly in equity									
Distribution to owners of the Bank									
Dividends	42	-	-	-	-	-	-	(178,045)	(178,045)
Total distribution to owners of the Bank	_	-	-	-	-	-	-	(178,045)	(178,045)
Comprehensive income for the period									
Profit for the period		-	-	-	-	-	-	962,916	962,916
Other comprehensive income									
Available-for-sale investments									
Net change in fair value recognised in equity, net of tax		_	_	(50,605)	-	(50,605)			(50,605)
Cash flow hedges									
Net change of effective portion of fair value of									
cash flow hedges, net of tax		_	_	_	40,575	40,575	_	_	40,575
Total other comprehensive income	-		_	(50,605)	40,575	(10,030)			(10,030)
Total comprehensive income for the period	-		_	(50,605)	40,575	(10,030)		962,916	952,886
Balance as at 30 June 2016	-	14,837,045	9,055,819	(6,904)	43,366	36,462	1,075,109	14,151,969	39,156,404
	=								
Six-month period ended 30 June 2017									
Balance as at 1 January 2017		14,837,045	9,055,819	(191,784)	(5,223)	(197,007)	1,096,086	13,653,620	38,445,563
Transactions with owners, recorded directly in equity		,,,	-,,	(===,:==)	(-,)	(== 1,==1)	_,,	,,	,
Distribution to owners of the Bank									
Dividends	42	_	_	_	_	_	_	(385,763)	(385,763)
Total distribution to owners of the Bank	-	·						(385,763)	(385,763)
Comprehensive income for the period								(000,100)	(000,700)
Profit for the period		_	_	_	_	_	_	1,025,689	1,025,689
Other comprehensive income								1,020,000	1,020,000
Available-for-sale investments									
Net change in fair value recognised in equity, net of tax				146,108		146,108			146,108
Cash flow hedges				140,100		140,100			140,100
Net change of effective portion of fair value of									
cash flow hedges, net of tax					(5,852)	(5,852)			(5,852)
Total other comprehensive income	-	 .	<u>-</u> _	146,108	(5,852)		 -		140,256
Total comprehensive income for the period	-	 .	<u>-</u> _	146,108	(5,852)		 -	1,025,689	1,165,945
Balance as at 30 June 2017	-	14,837,045	9,055,819	(45,676)	(11,075)		1,096,086	14,293,546	39,225,745
Datance as at 30 June 2017	=	14,037,043	2,033,019	(43,070)	(11,075)	(50,751)	1,070,000	14,473,340	37,443,143

(นาย พลากร หวั่งหลี) (Mr.Plakorn Wanglee) กรรมการผู้จัดการใหญ่และประธานเจ้าหน้าที่บริหาร (นาง อรนุช นำพูลสุขสันดิ์) (Ms.Oranuch Nampoolsuksan) กรรมการและรองกรรมการผู้จัดการใหญ่

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of cash flows

	Consolidated		Bank only		
	Six-month perio		Six-month per	-	
	30 June		30 Jun		
	2017	2016	2017	2016	
		(in thousand B	aht)		
Cash flows from operating activities					
Profit from operations before income tax	1,336,240	1,487,059	1,334,822	1,359,994	
Adjustments to reconcile profit from operations before income tax					
to net cash provided by (used in) operating activities					
Depreciation and amortisation	37,648	53,853	37,648	52,202	
Impairment loss of loans and debt securities	252,006	630,041	252,006	630,041	
Impairment loss of investments (reversal of)	-	(2,661)	-	8,119	
Amortisation of discount of debt instruments	(365,691)	(243,807)	(365,691)	(243,807)	
Amortisation of discount of debt issued and borrowings	10,400	14,286	10,400	14,286	
Loss (gains) on disposal of investments	3,285	(258,178)	3,285	(258,178)	
Loss (gains) on disposal of premises and equipment	334	(390)	334	(390)	
Impairment loss of properties for sale	-	562	-	-	
Provisions made (reversal of)	22,609	(11,155)	22,609	(11,806)	
Net interest income	(2,200,955)	(2,530,772)	(2,200,902)	(2,375,580)	
Interest received	3,073,755	3,485,270	3,073,755	3,333,515	
Interest paid	(851,764)	(967,789)	(851,817)	(967,976)	
Income tax paid	(184,374)	(78,877)	(184,373)	(22,101)	
Profit from operations before changes in operating assets					
and liabilities	1,133,493	1,577,442	1,132,076	1,518,319	
Decrease (increase) in operating assets					
Interbank and money market items	(938,265)	(34,524,050)	(938,265)	(34,523,794)	
Derivative assets and liabilities, net	(1,773,628)	1,098,548	(1,773,628)	1,098,548	
Trading investments	(1,877,521)	(241,317)	(1,877,521)	(241,317)	
Investments in receivables	-	(135,637)	-	-	
Loans to customers	(1,550,317)	12,389,992	(1,550,317)	12,661,908	
Properties for sale	-	55,725	-	-	
Other assets	966,240	3,468,289	966,256	3,458,118	
Increase (decrease) in operating liabilities					
Deposits	2,395,705	(5,049,374)	2,395,484	(5,343,200)	
Interbank and money market items	(1,813,404)	10,782,351	(1,813,404)	10,782,351	
Liabilities payable on demand	(239,178)	273,663	(239,178)	273,663	
Short-term debt issued and borrowings	1,270,594	741,019	1,270,594	741,019	
Provisions used	(7,439)	(21,658)	(7,439)	(13,550)	
Other liabilities	(2,470,295)	(3,795,557)	(2,468,673)	(3,780,252)	
Net cash used in operating activities	(4,904,015)	(13,380,564)	(4,904,015)	(13,368,187)	
Cash flows from investing activities					
Purchase of premises and equipment	(3,271)	(18,502)	(3,271)	(18,502)	
Purchase of intangible assets	(3,2/1)	(22,007)	(3,2/1)	(22,007)	
Proceeds from disposals of premises and equipment	2	392	2	392	
Purchase of available-for-sale investments	(210,070)	(13,509,017)	(210,070)	(13,509,017)	
Proceeds from available-for-sale investments	5,475,195	27,101,931	5,475,195	27,101,931	
Net cash provided by investing activities	5,261,856	13,552,797	5,261,856	13,552,797	
	2,401,030	10,004,171	3,201,030	13,334,171	

(นาย พลากร หวั่งหลี) (Mr.Plakom Wanglee) กรรมการผู้จัดการใหญ่และประธานเจ้าหน้าที่บริหาร (นาง อรนุช นำพูลสุขสันดิ์) (Ms.Oranuch Nampoolsuksan) กรรมการและรองกรรมการผู้จัดการใหญ่

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Statement of cash flows

	Consolida	ted	Bank only		
	Six-month period	od ended	Six-month period ended 30 June		
	30 June				
	2017	2016	2017	2016	
		(in thousand B	aht)		
Cash flows from financing activities					
Dividends paid	(385,763)	(178,045)	(385,763)	(178,045)	
Net cash used in financing activities	(385,763)	(178,045)	(385,763)	(178,045)	
Net increase (decrease) in cash	(27,922)	(5,812)	(27,922)	6,565	
Cash at beginning of the period	271,469	381,509	271,469	366,546	
Cash at beginning of the period transferred to					
assets of disposal group classified as held for sale	45,948	-	45,948	-	
Cash transfer to assets of disposal group					
classified as held for sale	<u> </u>	(2,586)			
Cash at end of the period	289,495	373,111	289,495	373,111	
Non-cash transactions					
Gains (losses) on remeasuring available-for-sale investments,					
net of deferred tax	146,108	(50,606)	146,108	(50,606)	
Gain (losses) on cash flow hedges of derivatives revaluation, net of deferred tax	(5,852)	40,575	(5,852)	40,575	
(นาย พลากร หวั่งหลี) (Mr.Plakorn Wanglee)		•	ง นำพูลสุขสันที่) h Nampoolsuksan)		
กรรมการผู้จัดการใหญ่และประธานเจ้าหน้าที่บริหาร		กรรมการและรอง	เกรรมการผู้จัดการใหญ่		

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These notes form an integral part of the interim financial statements.

The interim financial statements issued for Thai statutory and regulatory reporting purposes are prepared in the Thai language. These English language financial statements have been prepared from the Thai language statutory financial statements, and were approved and authorised for issue by the Board of Directors on 25 August 2017.

1 General information

Standard Chartered Bank (Thai) Public Company Limited (the "Bank"), is incorporated in Thailand and has its Head Office located at 90 North Sathorn Road, Silom, Bangrak, Bangkok.

The immediate and ultimate parent companies of the Bank are Standard Chartered Bank and Standard Chartered PLC, respectively, which are incorporated in the United Kingdom.

The Bank is a commercial bank, which provides a wide range of banking services to retail and corporate and institutional clients. Details of the Bank's subsidiary as at 30 June 2017 and 31 December 2016 are given in notes 10 and 30. On 22 December 2016, the Bank entered into a binding agreement to dispose of its Retail Banking Business (Note 18).

2 Basis of preparation of the interim financial statements

(a) Statement of compliance

The interim financial statements are prepared in accordance with Thai Accounting Standard ("TAS") No. 34 (revised 2016) *Interim Financial Reporting*, guidelines promulgated by the Federation of Accounting Professions ("FAP"); and presented as prescribed by the Bank of Thailand (BoT) Notification No. Sor Nor Sor 21/2558, directive dated 4 December 2015, regarding "The preparation and announcement of the financial statements of commercial banks and holding companies which are a parent company of a group of companies offering financial services".

The FAP has issued new and revised TFRSs effective for annual periods beginning on or after 1 January 2017. The adoption of these new and revised TFRSs did not have any material effect on the accounting policies, methods of computation, financial performance or position of the Bank and its subsidiary.

(b) Basis of measurement

The interim financial statements have been prepared on the historical cost basis except for the following material items:

ItemsMeasurement basesDerivative instrumentsFair value

Trading and available-for-sale financial assets

Fair value

(c) Functional and presentation currency

The interim financial statements are presented in Thai Baht, which is the Bank and its subsidiary' functional currency. All financial information is presented in Thai Baht and has been rounded to the nearest thousand, and in the notes to interim financial statements to the nearest million, unless otherwise stated.

(d) Use of judgments and estimates

The preparation of interim financial statements in conformities with TFRS requires management to make judgments, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised prospectively.

Assumptions and estimation uncertainties

Information about significant areas of estimation uncertainties that have a significant risk of resulting in a material adjustments to the amount recognised in the interim financial statements is included in the following notes:

Note 5 Fair value of financial assets and liabilities

Note 8 Derivatives

Note 13 Allowance for doubtful accounts

Measurement of fair values

A number of the Bank and its subsidiary' accounting policies and disclosures require the measurement of fair values, for both financial and non-financial assets and liabilities.

The Bank and its subsidiary have an established control framework with respect to the measurement of fair values. This includes a valuation team that has overall responsibility for overseeing all significant fair value measurements, including level 3 fair values.

If the inputs used to measure the fair value of an asset or liability are categorised in different levels of the fair value hierarchy, then the fair value measurement is categorised in its entirely in the same level of the fair value hierarchy as the lowest level input that is significant to the entire measurement.

The Bank and its subsidiary recognised transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

Further information about the assumptions made in measuring fair values is included in Note 5 Fair value of financial assets and liabilities

Significant accounting policies

The accounting policies set out below have been applied consistently to all periods presented in these financial statements.

(a) Basis of consolidation

The consolidated financial statements relate to the Bank and its subsidiary.

Subsidiary

3

Subsidiary is entity controlled by the Group. The Group controls an entity when it is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the Group. The financial statements of subsidiary are included in the consolidated financial statements from the date on which control commences until the date on which control ceases.

The accounting policies of the subsidiary have been changed where necessary to align them with the policies adopted by the Bank.

Loss of control

When the Group loses control over a subsidiary, it derecognises the assets and liabilities of the subsidiary, and any related non-controlling interests and other components of equity. Any resulting gain or loss is recognised in profit or loss. Any interest retained in the former subsidiary is measured at fair value when control is lost.

Transactions eliminated on consolidation

Significant intra-group balances and transactions, and any unrealised income or expense arising from intra-group transactions are eliminated in preparing the consolidated financial statements.

(b) Foreign currencies

Foreign currency transactions

Transactions in foreign currencies are translated to the respective functional currencies of the Group at exchange rates at the dates of the transactions.

Monetary assets and liabilities denominated in foreign currencies are translated to the functional currency at the exchange rate at the reporting date. Foreign exchange differences arising on translation are recognised in profit or loss.

Non-monetary assets and liabilities measured at cost in foreign currencies are translated to the functional currency at the exchange rates at the date of the transactions.

The Bank enters into forward foreign exchange contracts for both trading and hedging purposes. Trading and hedging contracts are stated at fair value. Outstanding forward foreign exchange contracts at the reporting date are stated at fair value by comparing contract rates to forward market rates with similar maturities. At each reporting date, changes in fair value on outstanding forward foreign exchange contracts calculated as described above are recognised in profit or loss except for effective cash flow hedges (note 3(j)).

(c) Cash

Cash comprises cash on hand and cash on collection.

(d) Investments

Investments in subsidiary

Investments in subsidiary in the Bank only financial statements are accounted for using the cost method.

Investments in debt and equity securities

Debt securities and marketable equity securities held for trading are classified as trading securities and stated at fair value, with any resultant gain or loss recognised in profit or loss.

Debt securities that the Bank and its subsidiary have the positive intent and ability to hold to maturity are classified as held-to-maturity investments. Held-to-maturity investments are stated at amortised cost less any impairment losses. The difference between the acquisition cost and redemption value of such debt securities is amortised using the effective interest rate method over the period to maturity.

Debt securities and marketable equity securities other than those securities held for trading or intended to be held to maturity, are classified as available-for-sale investments. Available-for-sale investments are, subsequent to initial recognition, stated at fair value, and changes therein, other than impairment losses and foreign currency differences on available-for-sale monetary items, are recognised directly in equity. Impairment losses and foreign exchange differences are recognised in profit or loss. When these investments are derecognised, the cumulative gain or loss previously recognised directly in equity is recognised in profit or loss. Where these investments are interest-bearing, interest calculated using the effective interest method is recognised in profit or loss.

Equity securities which are not marketable are stated at cost less impairment losses.

The fair value of financial instruments classified as held-for-trading and available-for-sale is determined as the quoted bid price at the reporting date.

Initial recognition

Purchases and sales of investments are initially recognised on trade date which is the date that the Bank and its subsidiary commit to purchase or sell the investments.

Disposal of investments

On disposal of an investment, the difference between net disposal proceeds and the carrying amount together with the associated cumulative gain or loss that was reported in equity is recognised in profit or loss.

If the Bank and its subsidiary dispose of part of its holding of a particular investment, the deemed cost of the part sold is determined using the weighted average method applied to the carrying value of the total holding of the investment.

(d) Loans to customers

Loans to customers are stated at the outstanding principal amount, except for bank overdrafts which include accrued interest receivable. Bills purchased at a discount are stated at the face value of the bill, net of deferred revenue.

(e) Allowance for doubtful accounts

The Bank and its subsidiary' allowance for doubtful accounts is established to recognise impairment losses either on specific loan assets or within a portfolio of loans to customers.

Specific provisions are made where the repayment of identified loans to customer is in doubt and reflects expected losses. The amount of specific provision is the excess of the carrying value over the present value of estimated future cash flows, discounted at the loan's effective interest rate. A portfolio provision is established to cover the inherent risk of losses that, although not specifically identified, are known from experience to have been incurred and are present in any loan portfolio. The amount of the portfolio provision is computed primarily based on historical experience and adjusted for current trends, economic conditions and management consideration.

To the extent that the above policy does not meet the minimum provisioning guidelines established by the BoT, the Bank and its subsidiary raise additional provisions to meet such requirements.

Estimating the amount and timing of future recoveries involves significant judgment, and considers the level of arrears as well as the assessment of matters such as future economic conditions and the value of collateral for which there may not be a readily accessible market. Actual losses identified could differ significantly from the impairment provisions reported as a result of uncertainties arising from the economic environment.

Any allowances for doubtful accounts established during the year are recorded as impairment loss of loans and debt securities. The Bank and its subsidiary write off bad debts against the allowance for doubtful accounts for uncollectible amounts. Bad debts recovered are presented net of impairment loss of loans and debt securities in profit or loss.

(f) Troubled debt restructuring

Where the troubled debt restructuring of loans involves modification of the terms and conditions of the remaining loan balances, the fair value of the investment in loans after restructuring is calculated based on the expected future cash flows discounted by the market rate of interest as per the Bank and its subsidiary' risk criteria applicable to such loans as at the restructuring date.

The Bank records transferred assets from customers at the lower of the fair value of the assets or the book value of the loans to customers as at the restructuring date.

Losses on troubled debt restructuring are recognised in profit or loss. Gains are not recognised.

(g) Premises and equipment

Recognition and measurement

Owned assets

Premises and equipment are stated at cost less accumulated depreciation and impairment losses.

Standard Chartered Bank (Thai) Public Company Limited and its Subsidiary Notes to the interim financial statements

For the six-month period ended 30 June 2017

Cost includes expenditure that is directly attributable to the acquisition of the asset. Purchased software that is integral to the functionality of the related equipment is capitalised as part of that equipment.

When parts of an item of premises and equipment have different useful lives, they are accounted for as separate items of premises and equipment.

Gains and losses on disposal of an item of premises and equipment are determined by difference between the proceeds from disposal and the carrying amount of premises and equipment, and are recognised net within other income in profit or loss.

Subsequent costs

The cost of replacing a part of an item of premises and equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Bank and its subsidiary, and its cost can be measured reliably. The carrying amount of the replaced part is derecognised. The costs of the day-to-day servicing of premises and equipment are recognised in profit or loss as incurred.

Leased assets

Leases for which the Bank and its subsidiary assume substantially all the risk and rewards of ownership are classified as finance leases. Equipment acquired by way of finance leases is capitalised at the lower of its fair value or the present value of the minimum lease payments at the inception of the lease, less accumulated depreciation and impairment losses. Lease payments are apportioned between the finance charges and reduction of the lease liability so as to achieve a constant rate of interest on the remaining balance of the liability. Finance charges are charged directly to the profit or loss.

Depreciation

Depreciation is calculated based on the depreciable amount, which is the cost of an asset, or other amount substituted for cost, less its residual value.

Depreciation is charged to the profit or loss on a straight-line basis over the estimated useful lives of each component of an item of assets. The estimated useful lives are as follows:

Buildings
Equipment
20 - 50 years
Equipment
3 - 5 years
Leased assets
Life of lease, not exceeding the period of the lease of the associated property

No depreciation is provided on assets under construction.

Depreciation methods, useful lives and residual values are reviewed at each financial year-end and adjusted if appropriate.

(h) Leasehold premises

Leasehold premises included in other assets are measured at cost less accumulated amortisation and accumulated impairment losses. Amortisation is recognised in profit or loss on a straight-line basis not exceeding the shorter of 50 years or the term of the lease agreement.

(i) Impairment

The carrying amounts of the Bank and its subsidiary' assets are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists, the assets' recoverable amounts are estimated.

An impairment loss is recognised if the carrying amount of an asset or its cash-generating unit exceeds its recoverable amount. The impairment loss is recognised in profit or loss unless it reverses a previous revaluation credited to equity, in which case it is charged to equity.

When a decline in the fair value of an available-for-sale financial asset has been recognised directly in equity and there is objective evidence that the value of the asset is impaired, the cumulative loss that had been recognised directly in equity is recognised in profit or loss even though the financial asset has not been derecognised. The amount of the cumulative loss that is recognised in profit or loss is the difference between the acquisition cost and current fair value, less any impairment loss on that financial asset previously recognised in profit or loss.

Calculation of recoverable amount

The recoverable amount of held-to-maturity securities carried at amortised cost and investments in receivables is calculated as the present value of the estimated future cash flows discounted at the original effective interest rate.

The recoverable amount of available-for-sale financial assets is calculated by reference to the fair value.

The recoverable amount of non-financial assets is the greater of the asset's value in use and fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate in order to reflect current market assessments of the time value of money and the risks specific to the asset. For an asset that does not generate cash inflows largely independent of those from other assets, the recoverable amount is determined for the cash-generating unit to which the asset belongs.

Reversals of impairment

An impairment loss in respect of a financial asset is reversed if the subsequent increase in recoverable amount can be related objectively to an event occurring after the impairment loss was recognised in profit or loss. For financial assets carried at amortised cost and available-for-sale financial assets that are debt securities, the reversal is recognised in profit or loss. For available-for-sale financial assets that are equity securities, the reversal is recognised directly in other comprehensive income.

Impairment losses recognised in prior periods in respect of non-financial assets are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

(j) Financial instruments

Derivatives

Derivatives are initially recognised at fair value on the date on which the derivative contracts are entered into (trade date) and are subsequently re-measured at their fair values. The gain or loss on remeasurement to fair value is recognised immediately in profit or loss unless the derivative is a designated hedge instrument in a cash flow hedge relationship. All derivatives are carried as assets when the fair value is positive as "Derivative assets" and as liabilities when the fair value is negative as "Derivative liabilities" in the statements of financial position.

Hedging

Fair value hedge

Where a derivative financial instrument hedges the changes in fair value of a recognised asset, liability or an identified portion of such asset, any gain or loss on re-measuring the fair value of the hedging instrument is recognised in profit or loss. The hedged item is also stated at fair value in respect of the risk being hedged, with any gain or loss being recognised in profit or loss.

Cash flow hedge

When a derivative is designated as the hedging instrument in a hedge of the variability in cash flows attributable to a particular risk associated with a recognised asset or liability or a highly probable forecast transaction that could affect profit or loss, the effective portion of changes in the fair value of the derivative financial instrument is recognised in other comprehensive income, presented as gains or loss on cash flow hedges in equity and transferred to profit or loss when the risk on the hedge item impacts profit or loss. Any ineffective portion is recognised immediately in profit or loss.

Discontinuing hedge accounting

Hedge accounting is discontinued prospectively when the hedging instrument expires or is sold, terminated or exercised, or no longer qualifies for hedge accounting. Any cumulative gain or loss on hedging instrument recognised in equity is retained in equity and is recognised when the forecast transaction is ultimately recognised in profit or loss. When a forecast transaction is no longer expected to occur, the cumulative gain or loss that was reported in equity is recognised in profit or loss immediately.

(k) Borrowing transactions with embedded derivatives

In accordance with the BoT notification regarding the permission for commercial banks to undertake borrowing transactions with embedded derivatives dated 31 May 2011, the Bank records embedded derivatives separately from the host contracts when their economic characteristics and risks are not closely related to those of the host contract and the host contract is not carried at fair value through profit or loss. These embedded derivatives are measured at fair value with changes in the fair value recognised in profit or loss.

(l) Employee benefits

The Bank and its subsidiary operate post-employment benefit plans, including defined contribution plans and defined benefit plans.

Defined contribution plans

A defined contribution plan is a post-employment benefit plan under which the Bank and its subsidiary pays fixed contributions into a separate entity (provident fund) and will have no legal or constructive obligation to pay further amounts. Obligations for contributions to defined contribution pension plans are recognised as an employee benefit expense in profit or loss in the periods during which services are rendered by employees.

Defined benefit plans

The Bank and its subsidiary' net obligation in respect of defined benefit plans is calculated separately for each plan by estimating the amount of future benefit that employees have earned in the current and prior periods, discounting that amount.

The calculation of defined benefit obligations is performed annually by a qualified actuary using the projected unit credit method.

Remeasurements of the net defined benefit liability, actuarial gain or loss are recognized immediately in other comprehensive income. The Bank and its subsidiary determines the interest expense on the net defined benefit liability for the period by applying the discount rate used to measure the defined benefit obligation at the beginning of the annual period, taking into account any changes in the net defined benefit liability during the period as a result of contributions and benefit payments. Net interest expense and other expenses related to defined benefit plans are recognized in profit or loss.

When the benefits of a plan are changed or when a plan is curtailed, the resulting change in benefit that relates to past service or the gain or loss on curtailment is recognised immediately in profit or loss. The Bank and its subsidiary recognises gains and losses on the settlement of a defined benefit plan when the settlement occurs.

Termination benefits

Termination benefits are expensed at the earlier of when the Bank can no longer withdraw the offer of those benefits and when the Bank recognizes costs for a restructuring. If benefits are not expected to be settled wholly within 12 months of the end of the reporting period, then they are discounted.

Short-term employee benefits

Short-term employee benefits are expensed as the related service is provided.

A liability is recognised for the amount expected to be paid if the Bank and its subsidiary has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

Share-based compensation

The Standard Chartered Group operates a number of share-based payment schemes for its directors and employees, for which the fair value of the services received in exchange for the grant of the options is recognised as an expense.

Cash-settled awards are revalued at each reporting date and a liability recognised in the statements of financial position for all unpaid amounts, with any changes in fair value charged or credited to employee expense in profit or loss.

(m) Provisions

A provision is recognised if, as a result of a past event, the Bank and its subsidiary have a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation.

A provision for contingent liabilities is recognised when the transactions relate to credit facilities (e.g. letter of credit and guarantee) that are classified as substandard, doubtful and doubtful of loss. The provision has been determined by using the same rate as the allowance for doubtful accounts on each of those loans to customers and after management's estimate of the likelihood of these contingent liabilities being realised.

Restructuring costs

A provision for restructuring is recognised when the Bank has approved a detailed and formal restructuring plan, and the restructuring either has commenced or has been announced publicly. Future operating losses are not provided for.

(n) Income

Interest income on loans to customers, discounts on loans to customers and other income are recognised on an accrual basis, except for interest income on loans overdue for more than three months and interest on loans where the borrowers' ability to pay is uncertain. In accordance with the BoT's regulations, interest in arrears for more than three months from the due date, regardless of whether it is covered by collateral, is reversed from profit or loss. Subsequent interest receipts are recognised on a cash basis.

Fees and commission income is recognised when the services are rendered.

(o) Expenses

Interest expenses and non-interest expenses are recognised on an accrual basis. The interest component of finance lease payments is recognised in profit or loss using the effective interest rate method.

(p) Income tax

Income tax expense for the period comprises current and deferred tax. Current and deferred tax are recognised in profit or loss except to the extent that they relate to items recognised directly in equity or in other comprehensive income.

Current tax is the expected tax payable or receivable on the taxable income or loss for the period, using the tax rates enacted or substantively enacted at the reporting date, and any adjustment to tax payable in respect of previous periods.

Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax is not recognised for the following temporary differences: the initial recognition of goodwill; the initial recognition of assets or liabilities in a transaction that is not a business combination and that affects neither accounting nor taxable profit or loss; and differences relating to investments in subsidiary and jointly ventures to the extent that it is probable that they will not reverse in the foreseeable future.

The measurement of deferred tax reflects the tax consequences that would follow the manner in which the Bank and its subsidiary expect, at the end of the reporting period, to recover or settle the carrying amount of its assets and liabilities.

Deferred tax is measured at the tax rates that are expected to be applied to the temporary differences when they reverse, using tax rates enacted or substantively enacted at the reporting date.

In determining the amount of current and deferred tax, the Bank and its subsidiary take into account the impact of uncertain tax positions and whether additional taxes and interest may be due. The Bank and its subsidiary believe that its accruals for tax liabilities are adequate for all tax years based on its assessment of many factors, including interpretations of tax law and prior experience. This assessment relies on estimates and assumptions and may involve a series of judgements about future events. New information may become available that causes the Bank and its subsidiary to change its judgment regarding the adequacy of existing tax liabilities; such changes to judgements on tax liabilities will impact tax expense in the period that such a determination is made.

Deferred tax assets and liabilities are offset if there is a legally enforceable right to offset current tax liabilities and assets, and they relate to income taxes levied by the same tax authority on the same taxable entity.

A deferred tax asset is recognised to the extent that it is probable that future taxable profits will be available against which the temporary differences can be utilised. Deferred tax assets are reviewed at each reporting date and reduced to the extent that it is no longer probable that the related tax benefit will be realised.

(q) Disposal group held for sale

Disposal group comprising assets and liabilities that are expected to be recovered primarily through sale rather than through continuing use, is classified as held for sale. The disposal group is measured at the lower of its carrying value and fair value less cost to sell. Impairment losses on initial classification as held for sale and subsequent gains and losses on measurement are recognised in profit or loss. Gains are not recognised in excess of any cumulative impairment loss.

(r) Discontinued operations

A discontinued operation is a component of the Bank and its subsidiary' business that represents a separate major line of business or geographical area of operations that has been disposed of or is held for sale, or is a subsidiary acquired exclusively with a view to resale. Classified as a discontinued operation occurs upon disposal or when the operation meets the criteria to be classified as held for sale, if earlier. When an operation is classified as a discontinued operation, the comparative statement of profit or loss and other comprehensive income is restated as if the operation had been discontinued from the start of the comparative period.

(s) Earnings per share

The Bank and its subsidiary present basic earnings per share (EPS) which is calculated by dividing the profit attributable to ordinary shareholders of the Bank and its subsidiary by the weighted average number of ordinary shares outstanding during the period, adjusted for own shares held (if any).

(t) Segment information

Segment results that are reported to the management of the Bank and its subsidiary (the Chief Operating Decision Maker) include items directly attributable to a segment as well as those that can be allocated on a reasonable basis. Unallocated transactions are not included in reporting segment operating results shown as others.

(u) Offsetting

Financial assets and liabilities are offset and the net amount is reported in the statements of financial position when the Bank and its subsidiary has a legal, enforceable right to set off the recognised amounts and the transactions are intended to be settled on a net basis.

4 Financial risk management

4.1 Credit risk

Credit risk refers to the risk that a counterparty will default on its contractual obligations resulting in a financial loss to the Bank. The Bank has credit risk management policies and procedures which aim to mitigate the risk of financial losses from default by dealing with the creditworthiness of counterparties and/or where appropriate obtaining sufficient collateral or other security.

In respect of financial assets in the statements of financial position, the carrying value of the assets, less the allowance for doubtful accounts, reflect the Bank's maximum exposure to credit losses.

The Bank's exposure to credit loss for contingent liabilities to extend credit, standby letters of credit, and financial guarantees, are represented by the contractual notional amount of those instruments. The Bank uses the same credit policies in making commitments and conditional obligations as it does for financial instruments in the statement of financial position. For derivative contracts, the Bank controls the credit risk of its financial instruments through credit approvals, limits, and monitoring procedures. All credit risks are assessed in line with the Credit Policy which has been approved by the Board of Directors. Credit risk also arises from the possibility that the counterparty to financial instruments in the contingent liabilities will not adhere to the terms of the contract with the Bank when settlement becomes due.

4.2 Market risk

Market risk is the potential for loss of economic value due to adverse changes in financial market rates or prices. The Bank's exposure to market risk arises predominantly from these sources:

- Trading book: The Bank provides clients access to financial markets, facilitation of which entails the Bank taking moderate market risk positions. All trading terms support client activity; there are no proprietary teams. Hence, income earned from market-risk related activities is primarily drive by the volume of client activity rather than risk-taking. From 1 January 2016, a CVA desk has been actively hedging the credit and market exposure arising from CVA (Credit Valuation Adjustment) and FVA (Funding Valuation Adjustment). Nonetheless, the Bank did not adopt FVA in the financial statement.
- Non-trading book: Market risk also arises in the non-trading book from the requirement to hold a
 large liquid assets buffer of high-quality liquid debt securities and from the translation of nonThai baht denominated assets, liabilities and earnings

The primary categories of market risk for the Bank are:

- (a) Interest rate risk: arising from changes in yield curves, credit spreads and implied volatilities on interest rate options
- (b) Currency exchange rate risk: arising from changes in exchange rates and implied volatilities on foreign exchange options
- (c) Commodity price risk: arising from changes in commodity prices and commodity option implied volatilities; covering energy, precious metals, base metals and agricultural. For this category of market risk, the Bank is fully hedged through a back-to-back position
- (d) Credit spread risk: arising from changed in the credit spread of its derivatives' counterparties through credit value adjustment (CVA) accounting

Market risk governance

The Bank has established standards, principles, policies and techniques for managing market risk. The Board of Directors approve the Bank's market risk limits taking account of market volatility, the range of products and asset classes, business volumes and transaction sizes. The Market and Traded Credit Risk Function, which is independent from the business, measures and monitors exposures against the approved limits to ensure the Bank's market risk exposures are within acceptable levels.

Value at Risk (VaR)

The Bank measures the risk of losses arising from future potential adverse movements in market rates, prices and volatilities using a VaR methodology. VaR, in general, is a quantitative measure of market risk that applies recent historical market conditions to estimate the potential future loss in market value that will not be exceeded in a set time period at a set statistical confidence level. VaR provides a consistent measure that can be applied across trading businesses and products over time and can be set against actual daily trading profit and loss outcome.

VaR is calculated for expected movements over a minimum of one business day and to a confidence level of 97.5 percent. This confidence level suggests that potential daily losses, in excess of the VaR measures, are likely to be experienced six times per year.

The Bank applies two VaR methodologies:

- Historical simulation: involves the revaluation of all existing positions to reflect the effect of
 historically observed changes in market risk factors on the valuation of the current portfolio. This
 approach is applied for general market risk factors and the majority of specific (credit spread) risk
 VaR.
- Monte Carlo simulation: this methodology is similar to historical simulation but with considerably
 more input risk factor observations. These are generated by random sampling techniques, but the
 results retain the essential variability and correlations of historically observed risk factor changes.
 This approach is now applied for some of the specific (credit spread) risk VaR in relation to
 idiosyncratic exposures in credit markets.

In both methods an historical observation period of one year is chosen and applied.

VaR is calculated as our exposure as at the close of business. Intra-day risk levels may vary from those reported at the end of the day.

Sensitivity measures are used in addition to VaR as a risk management tools. For example, interest rate sensitivity is measured in terms of exposure to a one basis point increase in yields, whereas foreign exchange, commodity and equity sensitivities are measured in terms of the underlying values or amounts involved. Option risks are controlled through revaluation limits on underlying price and volatility shifts, limits on volatility risk and other variables that determine the option's value.

Stress Testing

Losses beyond the 97.5 percent confidence interval are not captured by a VaR calculation, which therefore gives no indication of the size of unexpected losses in these situations.

The Bank complements the VaR measurement by monthly stress testing of market risk exposures to highlight the potential risk that may arise from extreme market events that are rare but plausible.

Stress testing is an integral part of market risk management framework and considers both historical market events and forward-looking scenarios. A consistent stress-testing methodology is applied to trading and non-trading books. The stress testing methodology assumes that scope for management action would be limited during a stress event, reflecting the decrease in market liquidity that often occurs.

Stress scenarios are regularly updated to reflect the changes in risk profile and economic events. The Market and Traded Credit Risk function reviews stress exposures and, where necessary, enforces reductions in overall market risk exposure. The Risk Committee considers the results of stress tests as part of its supervision of risk appetite.

Regular stress-test scenarios are applied to interest rates, credit spread, exchange rates, commodity prices and equity prices. This covers all asset classes in the Financial Markets banking and trading books.

Non-trading book and Treasury markets risk treatment

Interest rate risk from non-trading book portfolios is transferred to financial markets where it is managed by Asset and Liability Management (ALM) desks under the supervision of Asset and Liability Committee (ALCO). ALM deals in the market in approved financial instruments in order to manage the net interest rate risk, subject to approved VaR and risk limits.

VaR and stress tests are therefore applied to these non-trading book exposures in the same way as for trading book, including available-for-sale securities.

(a) Interest rate risk

The Bank and its subsidiary receive both fixed and floating rate interest on their interest bearing assets which can be analysed as follows:

	Consolidated 30 June 2017					
	Floating	Fixed	Non-interest			
	interest rate	interest rate	bearing	Total		
		(in million	n Baht)			
Financial assets						
Cash	-	-	289	289		
Interbank and money market items, net	13,316	41,681	2,639	57,636		
Investments, net	10,474	21,775	14	32,263		
Loans to customers and accrued interest	12.000	25.276	4.750	10 106		
receivable	12,080	25,276	4,750	42,106		
Customer's liability under acceptance Accounts receivable from sales of	-	=	440	440		
			1 607	1.607		
investments and debt securities in issue	-	-	1,687	1,687		
Collateral from Credit Support Annex						
agreements and margin receivables from	1 202			1 202		
private repo transactions Other assets	1,383	-	1.00	1,383		
Total financial assets	25.252		168	168		
Total Illiancial assets	37,253	88,732	9,987	135,972		
Financial liabilities						
Deposits	44,032	16,913	3,395	64,340		
Interbank and money market items	6,513	12,330	7,391	26,234		
Liabilities payable on demand	-	-	1,324	1,324		
Liabilities to deliver security	-	-	3,423	3,423		
Debt issued and borrowings	-	3,279	-	3,279		
Bank's liability under acceptances	-	-	440	440		
Accounts payable from purchase of						
investments	-	-	887	887		
Collateral from Credit Support Annex						
agreements and margin payables from						
private repo transactions	2,118	-	-	2,118		
Other liabilities	-	-	93	93		
Total financial liabilities	52,663	32,522	16,953	102,138		
Off-financial reporting items, net	(8,369)	8,369	-	_		

	Consolidated						
		31 Decemb	per 2016				
	Floating	Fixed	Non-interest				
	interest rate	interest rate	bearing	Total			
		(in million	n Baht)				
Financial assets							
Cash	-	=	271	271			
Interbank and money market items, net	3,267	48,868	4,563	56,698			
Investments, net	10,471	22,161	14	32,646			
Loans to customers and accrued interest							
receivable	10,869	22,675	4,673	38,217			
Customer's liability under acceptance	-	=	313	313			
Accounts receivable from sales of							
investments and debt securities in issue	-	-	1,147	1,147			
Collateral from Credit Support Annex							
agreements and margin receivables from							
private repo transactions	2,338	=	-	2,338			
Other assets			182	182			
Total financial assets	26,945	93,704	11,163	131,812			
Total financial assets Financial liabilities	26,945	93,704	11,163	131,812			
Financial liabilities	26,945 41,285	93,704 7,494	<u>11,163</u> 3,358				
Financial liabilities Deposits	,			52,137			
Financial liabilities Deposits Interbank and money market items	41,285	7,494	3,358 8,180	52,137 28,048			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand	41,285	7,494	3,358	52,137			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings	41,285	7,494 12,118	3,358 8,180	52,137 28,048 1,548			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances	41,285	7,494 12,118	3,358 8,180 1,548	52,137 28,048 1,548 2,023			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of	41,285	7,494 12,118	3,358 8,180 1,548	52,137 28,048 1,548 2,023 313			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments	41,285	7,494 12,118	3,358 8,180 1,548	52,137 28,048 1,548 2,023			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments Collateral from Credit Support Annex	41,285	7,494 12,118	3,358 8,180 1,548	52,137 28,048 1,548 2,023 313			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments Collateral from Credit Support Annex agreements and margin payables from	41,285 7,750 - - -	7,494 12,118	3,358 8,180 1,548	52,137 28,048 1,548 2,023 313			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments Collateral from Credit Support Annex agreements and margin payables from private repo transactions	41,285	7,494 12,118	3,358 8,180 1,548 - 313 1,287	52,137 28,048 1,548 2,023 313 1,287			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments Collateral from Credit Support Annex agreements and margin payables from private repo transactions Other liabilities	41,285 7,750 - - - - - - 3,526	7,494 12,118 - 2,023 -	3,358 8,180 1,548 - 313 1,287	52,137 28,048 1,548 2,023 313 1,287			
Financial liabilities Deposits Interbank and money market items Liabilities payable on demand Debt issued and borrowings Bank's liability under acceptances Accounts payable from purchase of investments Collateral from Credit Support Annex agreements and margin payables from private repo transactions	41,285 7,750 - - -	7,494 12,118	3,358 8,180 1,548 - 313 1,287	52,137 28,048 1,548 2,023 313 1,287			

	Bank only 30 June 2017				
	Floating	Fixed	Non-interest		
	interest rate	interest rate	bearing	Total	
		(in millio	_		
Financial assets					
Cash	-	-	289	289	
Interbank and money market items, net	13,316	41,681	2,639	57,636	
Investments, net	10,474	21,775	14	32,263	
Loans to customers and accrued interest					
receivable	12,080	25,276	4,750	42,106	
Customer's liability under acceptance	-	_	440	440	
Accounts receivable from sales of					
investments and debt securities in issue	-	-	1,687	1,687	
Collateral from Credit Support Annex					
agreements and margin receivables from					
private repo transactions	1,383	-	-	1,383	
Other assets	<u>-</u> _	<u> </u>	168	168	
Total financial assets	37,253	88,732	9,987	135,972	
Financial liabilities					
Deposits	44,075	16,913	3,395	64,383	
Interbank and money market items	6,513	12,330	7,391	26,234	
Liabilities payable on demand	-	-	1,324	1,324	
Liabilities to deliver security	-	-	3,423	3,423	
Debt issued and borrowings	-	3,279	-	3,279	
Bank's liability under acceptances	-	-	440	440	
Accounts payable from purchase of					
investments	-	-	887	887	
Collateral from Credit Support Annex					
agreements and margin payables from					
private repo transactions	2,118	-	-	2,118	
Other liabilities			93	93	
Total financial liabilities	52,706	32,522	16,953	102,181	
Off-financial reporting items, net	(8,369)	8,369	<u>-</u>		

	Bank only 31 December 2016					
	Floating	Fixed	Non-interest			
	interest rate	interest rate	bearing	Total		
		(in millio	•			
Financial assets		,	,			
Cash	_	-	271	271		
Interbank and money market items, net	3,267	48,868	4,563	56,698		
Investments, net	10,471	22,161	14	32,646		
Loans to customers and accrued interest						
receivable	10,869	22,675	4,673	38,217		
Customer's liability under acceptance	-	-	313	313		
Accounts receivable from sales of						
investments and debt securities in issue	-	-	1,147	1,147		
Collateral from Credit Support Annex						
agreements and margin receivables from						
private repo transactions	2,338	-	-	2,338		
Other assets	-	-	182	182		
Total financial assets	26,945	93,704	11,163	131,812		
Financial liabilities						
Deposits	41,328	7,494	3,358	52,180		
Interbank and money market items	7,750	12,118	8,180	28,048		
Liabilities payable on demand	-	-	1,548	1,548		
Debt issued and borrowings	-	2,023	-	2,023		
Bank's liability under acceptances	-	-	313	313		
Accounts payable from purchase of						
investments	-	-	1,287	1,287		
Collateral from Credit Support Annex						
agreements and margin payables from						
private repo transactions	3,526	-	-	3,526		
Other liabilities			98	98		
Total financial liabilities	52,604	21,635	14,784	89,023		
Off-financial reporting items, net	27,643	(27,643)				

As at 30 June 2017, for hedging purposes, the Bank entered into interest rate contracts with a notional value of Baht 2,450 million (31 December 2016: Baht 5,050 million).

The Bank and its subsidiary' average interest bearing financial assets and financial liabilities, together with the average interest rates are as follows:

	Consolidated					
		30 June 2017			31 December 20)16
	Average		Average	Average		Average
	balance	Interest	interest rate	balance	Interest	interest rate
	(in millio	on Baht)	(% per annum)	(in millio	on Baht)	(% per annum)
Financial assets						
Interbank and money market items	62,820	519	1.67	69,076	1,016	1.47
Investments	30,489	299	1.98	25,143	697	2.77
Loans to customers	78,080	2,227	5.75	74,199	5,206	7.02
Total	171,389	3,045	3.58	168,418	6,919	4.11
Financial liabilities						
Deposits	96,698	700	1.62	90,435	1,470	1.62
Interbank and money market items	18,242	129	1.43	19,136	273	1.43
Debt issued and borrowings	3,155	15	0.75	3,056	23	0.75
Total	118,095	844	1.44	112,627	1,766	1.57
					1	
			Bank	only		
		30 June 2017			31 December 20)16
	Average		Average	Average		Average
	balance	Interest	interest rate	balance	Interest	interest rate
	(in millio	on Baht)	(% per annum)	(in millio	on Baht)	(% per annum)
Financial assets						
Interbank and money market items	62,820	519	1.67	69,076	1,016	1.47
Investments	30,489	299	1.98	23,939	429	1.79
Loans to customers	78,080	2,227	5.75	75,466	4,983	6.60
Total	171,389	3,045	3.58	168,481	6,428	3.82
Financial liabilities						
Deposits	96,742	700	1.46	90,844	1,470	1.62
Interbank and money market items	18,242	129	1.43	19,136	273	1.43
Debt issued and borrowings	3,155	15	0.96	3,056	23	0.75
Total	118,139	844	1.44	113,036	1,766	1.56

Significant financial assets and financial liabilities classified by earlier of maturity or interest repricing as at 30 June 2017 and 31 December 2016 are as follows:

ionows.	Consolidated 30 June 2017							
			Over	Over	e 2017	Non-		
	Immediate	Within	6 months	1 year	Over	interest	Non	
	repricing	6 months	to 1 year	to 5 years	5 years	bearing	accrual	Total
	reprients	o monuis	to 1 year	(in millio	•	cumg	accidai	Total
Financial assets				(272 7722200				
Cash	_	_	_	_	-	289	_	289
Interbank and money market items, net	12,376	34,425	7,856	340	-	2,639	_	57,636
Investments, net	, -	10,496	321	12,624	8,808	14	-	32,263
Loans to customers and accrued interest		,		,	,			,
receivable	6,397	28,475	976	1,508	-	110	4,640	42,106
Customer's liability under acceptance	-	-	_	· -	-	440	· -	440
Accounts receivable from sales of investments and								
debt securities in issue	-	-	_	-	-	1,687	-	1,687
Collateral from Credit Support Annex agreements and								
margin receivables from private repo transactions	-	1,383	-	-	-	-	-	1,383
Other assets	-	-	-	-	-	168	-	168
Total financial assets	18,773	74,779	9,153	14,472	8,808	5,347	4,640	135,972
Financial liabilities								
Deposits	44,032	16,449	448	16	-	3,395	_	64,340
Interbank and money market items	9,803	5,636	_	1,965	1,439	7,391	-	26,234
Liabilities payable on demand	-	-	-	· -	-	1,324	-	1,324
Liabilities to deliver security	-	-	-	-	-	3,423	-	3,423
Debt issued and borrowings	-	3,279	-	-	-	-	-	3,279
Bank's liability under acceptances	-	-	-	-	-	440	-	440
Accounts payable from purchase of investments	-	-	-	-	-	887	-	887
Collateral from Credit Support Annex agreements and								
margin payables from private repo transactions	-	2,118	-	-	-	-	-	2,118
Other liabilities	-	-	-	-	-	93	-	93
Total financial liabilities	53,835	27,482	448	1,981	1,439	16,953		102,138
Off-financial reporting items, net		6,091	(10,389)	5,637	(1,339)			

		Consolidated 31 December 2016						
			Over		iber 2016	Non-		
	Immediate	Within	6 months	Over	Over		Non	
		6 months		1 year		interest	- 1 - 1	T-4-1
	repricing	o months	to 1 year	to 5 years (in millio	5 years	bearing	accrual	Total
Financial assets				(in millio	т Бат)			
Cash						271		271
	20.949	25 622	5 207	358	-		-	
Interbank and money market items, net	20,848	25,632	5,297		2 252	4,563	-	56,698
Investments, net	-	6,732	-	22,548	3,352	14	-	32,646
Loans to customers and accrued interest	10.000	21 (16	<0 2	455		70	4.504	20.215
receivable	10,869	21,616	602	457	-	79	4,594	38,217
Customer's liability under acceptance	-	-	-	-	-	313	-	313
Accounts receivable from sales of investments and								
debt securities in issue	-	-	-	-	-	1,147	-	1,147
Collateral from Credit Support Annex agreements and								
margin receivables from private repo transactions	-	2,338	-	-	-	-	-	2,338
Other assets					<u> </u>	182		182
Total financial assets	31,717	56,318	5,899	23,363	3,352	6,569	4,594	131,812
Financial liabilities								
Deposits	41,285	7,399	95	_	-	3,358	-	52,137
Interbank and money market items	9,750	5,100	-	3,592	1,426	8,180	-	28,048
Liabilities payable on demand	-	-	-	-	-	1,548	-	1,548
Debt issued and borrowings	_	2,023	_	_	_	, -	_	2,023
Bank's liability under acceptances	_	, -	_	_	_	313	_	313
Accounts payable from purchase of investments	_	-	_	_	_	1,287	_	1,287
Collateral from Credit Support Annex agreements and						,		,
margin payables from private repo transactions	_	3,526	_	_	_	_	_	3,526
Other liabilities	_	5,520	_	_	_	98	_	98
Total financial liabilities	51,035	18,048	95	3,592	1,426	14,784		88,980
Total infancial navinues	31,033	10,040		3,372	1,420	14,704		00,700
Off-financial reporting items, net		(11,582)	14,280	(5,106)	2,408			

	30 June 2017								
			Over	Over		Non-			
	Immediate	Within	6 months	1 year	Over	interest	Non		
	repricing	6 months	to 1 year	to 5 years	5 years	bearing	accrual	Total	
				(in millio	on Baht)				
Financial assets									
Cash	-	-	-	-	-	289	-	289	
Interbank and money market items, net	12,376	34,425	7,856	340	-	2,639	-	57,636	
Investments, net	-	10,496	321	12,624	8,808	14	-	32,263	
Loans to customers and accrued interest									
receivable	6,397	28,475	976	1,508	-	110	4,640	42,106	
Customer's liability under acceptance	-	-	-	-	-	440	-	440	
Accounts receivable from sales of investments and									
debt securities in issue	-	-	-	-	-	1,687	-	1,687	
Collateral from Credit Support Annex agreements and									
margin receivables from private repo transactions	-	1,383	-	-	-	-	-	1,383	
Other assets						168		168	
Total financial assets	18,773	74,779	9,153	14,472	8,808	5,347	4,640	135,972	
Financial liabilities									
Deposits	44,075	16,449	448	16	-	3,395	-	64,383	
Interbank and money market items	9,803	5,636	-	1,965	1,439	7,391	-	26,234	
Liabilities payable on demand	-	-	_	-	-	1,324	-	1,324	
Liabilities to deliver security	_	-	_	_	-	3,423	-	3,423	
Debt issued and borrowings	-	3,279		-	-	-	-	3,279	
Bank's liability under acceptances	-	-	-	-	-	440	-	440	
Accounts payable from purchase of investments	-	-	_	-	_	887	-	887	
Collateral from Credit Support Annex agreements and									
margin payables from private repo transactions	-	2,118	-	-	-	-	-	2,118	
Other liabilities	-	-	-	-	-	93	-	93	
Total financial liabilities	53,878	27,482	448	1,981	1,439	16,953		102,181	
Off-financial reporting items, net	_	6,091	(10,389)	5,637	(1,339)	-	_	_	

Bank only

	31 December 2016								
			Over	Over		Non-			
	Immediate	Within	6 months	1 year	Over	interest	Non		
	repricing	6 months	to 1 year	to 5 years	5 years	bearing	accrual	Total	
	1 0		•	(in millio	-				
Financial assets									
Cash	-	-	-	-	-	271	-	271	
Interbank and money market items, net	20,848	25,632	5,297	358	-	4,563	-	56,698	
Investments, net	-	6,732	-	22,548	3,352	14	-	32,646	
Loans to customers and accrued interest									
receivable	10,869	21,616	602	457	-	79	4,594	38,217	
Customer's liability under acceptance	-	-	-	-	-	313	-	313	
Accounts receivable from sales of investments and									
debt securities in issue	-	-	-	-	-	1,147	-	1,147	
Collateral from Credit Support Annex agreements and									
margin receivables from private repo transactions	-	2,338	-	-	-	-	-	2,338	
Other assets	-	-	-	-	-	182	-	182	
Total financial assets	31,717	56,318	5,899	23,363	3,352	6,569	4,594	131,812	
Financial liabilities									
Deposits	41,328	7,399	95	-	-	3,358	-	52,180	
Interbank and money market items	9,750	5,100	-	3,592	1,426	8,180	-	28,048	
Liabilities payable on demand	-	-	-	-	-	1,548	-	1,548	
Debt issued and borrowings	-	2,023	-	-	-	-	-	2,023	
Bank's liability under acceptances	-	-	-	-	-	313	-	313	
Accounts payable from purchase of investments	-	-	-	-	-	1,287	-	1,287	
Collateral from Credit Support Annex agreements and									
margin payables from private repo transactions	-	3,526	-	-	-	-	-	3,526	
Other liabilities						98		98	
Total financial liabilities	51,078	18,048	95	3,592	1,426	14,784		89,023	
Off-financial reporting items, net		(11,582)	14,280	(5,106)	2,408				

Bank only

(b) Currency exchange rate risk

As at 30 June 2017 and 31 December 2016, net open position assets (liabilities) denominated in various currencies were as follows:

Consolidated and Bank only							
30 June	31 December						
2017	2016						
(in mill	ion USD)						

Net foreign currency exposure

US Dollar	(20)	82
Euro (*)	(4)	5
Others (*)	1	_

^(*) Balance denominated in Euro and other currencies are stated in USD equivalents.

4.3 Liquidity risk

Liquidity risk is the potential for loss because the Bank, although solvent, does not have available sufficient financial resources to enable it to meet its obligations as they fall due, or can access these financial resources only at excessive cost.

The Bank seeks to manage our liquidity and funding prudently for all currencies. Exceptional market events could impact us adversely, thereby potentially affecting our ability to fulfil our obligations as they fall due.

The Bank has a robust risk type framework for managing the Bank's liquidity and funding risk. Through this framework, the Bank controls and optimises the risk return profile of the Bank. This is principally achieved by:

- Setting risk appetites aligned with strategic objectives
- Identifying, measuring and monitoring liquidity risks:
 - Assessment of regulatory requirements and internal balance sheet characteristics driving liquidity risk
 - Assessment of the liquidity adequacy of the Bank under business as usual and stressed conditions
 - The Bank's liquidity stress testing framework covering both internal and regulatory scenarios
- Constraining risk profile within the Board approved risk appetite:
 - Development of policies to address the liquidity and funding risks identified
 - Implementation of associated risk measures that act as mitigants of these risks
 - Ongoing monitoring of risk measures against limits

To mitigate liquidity risk, the Bank maintains a well diversified, customer driven funding base and access to wholesale funds under normal market conditions. In addition, the Bank maintains a diversified portfolio of marketable securities that can be monetised or pledged as collateral in the event of a liquidity stress. Country Liquidity Crisis Management Plan (CLCMP) is reviewed and approved annually. The CLCMP includes a broad set of Early Warning Indicators (EWIs), an escalation framework and a set of management actions that could be effectively implemented by the appropriate level of senior management in the event of a liquidity stress.

Liquidity risk governance

The Board approves the Bank's risk appetite for liquidity and funding risk along with supporting metrics.

The Asset and Liability Committee (ALCO) is the responsible governing body to ensure that the liquidity and funding risks are managed effectively in compliance with Group liquidity policies and practice, as well as local regulatory requirements.

Stress Testing

The Bank intends to maintain a prudent and sustainable funding and liquidity position, such that it can withstand a severe yet plausible liquidity stress.

Regular stress testing is conducted to demonstrate that the Bank's liquidity exposure remains within the approved Risk Appetite Statement as well as within regulatory limits.

The internal liquidity stress testing framework includes multiple stress scenarios with varied survival periods and stressed conditions to appropriately reflect the liquidity risks undertaken by the Bank. The framework includes an idiosyncratic stress, a market wide stress and a combined stress.

The Board and ALCO have oversight over the appropriateness of the stress scenarios and the assumption contained within them.

As at 30 June 2017, the loan to deposits ratio of the Bank is 69% (31 December 2016: 71%).

The remaining periods to maturity of significant financial assets and financial liabilities as at 30 June 2017 and 31 December 2016 based on contractual maturity is as follows:

				Consolidated			
		Within	Over 6 months	30 June 2017 Over 1 year	Over	No	
	At call	6 months	to 1 year	to 5 years	5 years	maturity	Total
	110 0011	o monus	to 1 year	(in million Baht)	e years	1114041109	1000
Financial assets				,			
Cash	289	-	-	-	-	-	289
Interbank and money market items, net	14,967	34,427	7,875	340	27	-	57,636
Derivative assets	-	5,195	2,432	6,637	4,071	-	18,335
Investments, net	-	21	10,796	12,624	8,808	14	32,263
Loans to customers and accrued interest							
receivables	14,114	7,361	3,907	10,760	5,964	-	42,106
Customer's liability under acceptance	48	314	78	-	-	-	440
Accounts receivable from sales of investments and							
debt securities in issue	1,687	-	-	-	-	-	1,687
Collateral from Credit Support Annex agreements and							
margin receivables from private repo transactions	1,383	-	-	-	-	-	1,383
Other assets				168			168
Total financial assets	32,488	47,318	25,088	30,529	18,870	14	154,307
Financial liabilities							
Deposits	47,427	16,566	336	11	-	-	64,340
Interbank and money market items	17,644	1,707	-	5,443	1,440	-	26,234
Liabilities payable on demand	1,324	-	-	-	-	-	1,324
Liabilities to delivery security	3,423	-	-	-	-	-	3,423
Derivative liabilities	-	4,547	2,045	5,987	3,449	-	16,028
Debt issued and borrowings	-	3,279	-	-	-	-	3,279
Bank's liability under acceptances	48	314	78	-	-	-	440
Accounts payable from purchase of investments	887	-	-	-	-	-	887
Collateral from Credit Support Annex agreements and							
margin payables from private repo transactions	2,118	-	-	-	-	-	2,118
Other liabilities	93		-			<u>-</u> _	93
Total financial liabilities	72,964	26,413	2,459	11,441	4,889		118,166
Net liquidity gap	(40,478)	20,905	22,629	19,088	13,980	14	36,141

				21 D 1 2016			
		337'.1.'		31 December 2016	0	NI	
	4	Within	Over 6 months	Over 1 year	Over	No	T 1
	At call	6 months	to 1 year	to 5 years	5 years	maturity	Total
				(in million Baht)			
Financial assets							
Cash	271	-	-	-	-	-	271
Interbank and money market items, net	21,819	29,452	5,069	358	-	-	56,698
Derivative assets	-	4,729	2,117	10,550	5,882	-	23,278
Investments, net	-	2,485	-	23,847	6,300	14	32,646
Loans to customers and accrued interest							
receivables	14,322	9,234	1,341	8,295	5,025	-	38,217
Customer's liability under acceptance	6	307	-	-	-	-	313
Accounts receivable from sales of investments and							
debt securities in issue	1,147	-	-	-	-	-	1,147
Collateral from Credit Support Annex agreements and							
margin receivables from private repo transactions	2,338	-	-	-	-	-	2,338
Other assets				182			182
Total financial assets	39,903	46,207	8,527	43,232	17,207	14	155,090
Financial liabilities							
Deposits	44,642	7,222	241	32	-	-	52,137
Interbank and money market items	17,930	4,000	-	3,592	2,526	-	28,048
Liabilities payable on demand	1,548	-	-	-	-	-	1,548
Derivative liabilities	-	5,791	1,963	9,227	5,755	-	22,736
Debt issued and borrowings	-	2,023	-	-	-	-	2,023
Bank's liability under acceptances	6	307	-	-	-	-	313
Accounts payable from purchase of investments	1,287	-	-	-	-	-	1,287
Collateral from Credit Support Annex agreements and							
margin payables from private repo transactions	3,526	-	-	-	-	-	3,526
Other liabilities	98	-	-	-	-	-	98
Total financial liabilities	69,037	19,343	2,204	12,851	8,281		111,716
Net liquidity gap	(29,134)	26,864	6,323	30,381	8,926	14	43,374

Consolidated

				Bank only 30 June 2017			
		Within	Over 6 months	Over 1 year	Over	No	
	At call	6 months	to 1 year	to 5 years	5 years	maturity	Total
			15 - 7 - 11	(in million Baht)	- 3		
Financial assets							
Cash	289	-	-	-	-	-	289
Interbank and money market items, net	14,967	34,427	7,875	340	27	-	57,636
Derivative assets	-	5,195	2,432	6,637	4,071	-	18,335
Investments, net	-	21	10,796	12,624	8,808	14	32,263
Loans to customers and accrued interest							
receivables	14,114	7,361	3,907	10,760	5,964	-	42,106
Customer's liability under acceptance	48	314	78	-	-	-	440
Accounts receivable from sales of investments and							
debt securities in issue	1,687	-	-	-	-	-	1,687
Collateral from Credit Support Annex agreements and							
margin receivables from private repo transactions	1,383	-	-	-	-	-	1,383
Other assets				168			168
Total financial assets	32,488	47,318	25,088	30,529	18,870	14	154,307
Financial liabilities							
Deposits	47,470	16,566	336	11	_	-	64,383
Interbank and money market items	17,645	1,707	-	5,443	1,439	-	26,234
Liabilities payable on demand	1,324	, -	-	· -	· -	-	1,324
Liabilities to delivery security	3,423	-	-	-	-	-	3,423
Derivative liabilities	-	4,547	2,045	5,987	3,449	_	16,028
Debt issued and borrowings	-	3,279	-	· -	-	-	3,279
Bank's liability under acceptances	48	314	78	_	-	-	440
Accounts payable from purchase of investments	887	-	-	_	-	-	887
Collateral from Credit Support Annex agreements and							
margin payables from private repo transactions	2,118	_	-	_	_	-	2,118
Other liabilities	93	-	-	-	-	-	93
Total financial liabilities	73,008	26,413	2,459	11,441	4,888	-	118,209
Net liquidity gap	(40,520)	20,905	22,629	19,088	13,982	14	36,098

				Bank only			
		Within	Over 6 months	31 December 2016 Over 1 year	Over	No	
	At call	6 months	to 1 year	to 5 years	5 years	maturity	Total
			•	(in million Baht)	·	•	
Financial assets							
Cash	271	-	-	-	-	-	271
Interbank and money market items, net	21,819	29,452	5,069	358	-	-	56,698
Derivative assets	-	4,729	2,117	10,550	5,882	-	23,278
Investments, net	-	2,485	-	23,847	6,300	14	32,646
Loans to customers and accrued interest							
receivables	14,322	9,234	1,341	8,295	5,025	-	38,217
Customer's liability under acceptance	6	307	-	-	-	-	313
Accounts receivable from sales of investments and							
debt securities in issue	1,147	-	-	-	-	-	1,147
Collateral from Credit Support Annex agreements and							
margin receivables from private repo transactions	2,338	-	-	-	-	-	2,338
Other assets				182			182
Total financial assets	39,903	46,207	8,527	43,232	17,207	14	155,090
Financial liabilities							
Deposits	44,685	7,222	241	32	-	-	52,180
Interbank and money market items	17,930	4,000	-	3,592	2,526	-	28,048
Liabilities payable on demand	1,548	-	-	-	-	-	1,548
Derivative liabilities	-	5,791	1,963	9,227	5,755	-	22,736
Debt issued and borrowings	-	2,023	-	-	-	-	2,023
Bank's liability under acceptances	6	307	-	-	-	-	313
Accounts payable from purchase of investments	1,287	-	-	-	-	-	1,287
Collateral from Credit Support Annex agreements and							
margin payables from private repo transactions	3,526	-	-	-	-	-	3,526
Other liabilities	98	-	-	-	-	-	98
Total financial liabilities	69,080	19,343	2,204	12,851	8,281	-	111,759
Net liquidity gap	(29,177)	26,864	6,323	30,381	8,926	14	43,331

Derivatives

The remaining periods to maturity of the notional amount of derivatives as at 30 June 2017 and 31 December 2016 are as follows:

Within 1 year Over 1 year Total (in million Baht) Foreign currency related Forward exchange contracts 371,074 9,570 380,644 Cross currency swap contracts 53,159 149,645 202,804 Currency option contracts 15,267 - 15,267 Interest rate related Interest rate option contracts 175,126 482,260 657,386 Interest rate option contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 **Total 1 year 1 year 1 year, 2016 **Within Over 1 year 1 year 7 total **Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Conso currency swap contracts 5,290 - 5,290 **Currency option contracts 5,290 - 5,290 **Interest rate evalue <td< th=""><th></th><th>Conso</th><th>olidated and Bank or 30 June 2017</th><th>nly</th></td<>		Conso	olidated and Bank or 30 June 2017	nly
Foreign currency related Forward exchange contracts S71,074 9,570 380,644 Cross currency swap contracts 53,159 149,645 202,804 Currency option contracts 15,267 - 15,267		Within	Over	
Foreign currency related Foreign currency swap contracts 371,074 9,570 380,644 Cross currency swap contracts 53,159 149,645 202,804 Currency option contracts 15,267 - 15,267 Interest rate related Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts - 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404		1 year	1 year	Total
Forward exchange contracts 371,074 9,570 380,644 Cross currency swap contracts 53,159 149,645 202,804 Currency option contracts 15,267 - 15,267 Interest rate related Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts - 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Commodities and Bank only 31 December 2016 Within Over 1 year 1 year 7 Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698			(in million Baht)	
Cross currency swap contracts 53,159 149,645 202,804 Currency option contracts 15,267 - 15,267 Interest rate related Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts - 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Commodities and Bank only 31 December 2016 Within Over 1 year 1 year Total Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Corse currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404	•			
Currency option contracts 15,267 - 15,267 Interest rate related Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts 19,336 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Commodities and Bank only 31 December 2016 Within Over 1 year 1 year 1 year 1 year 1 year 2 1 year 2 (in million Baht) Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 3 2	•	371,074	9,570	380,644
Interest rate related Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts - 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Commodities and Bank only 31 December 2016 Within Over 1 year 1 year Total Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793 </td <td>· ·</td> <td>53,159</td> <td>149,645</td> <td>202,804</td>	· ·	53,159	149,645	202,804
Interest rate swap contracts 175,126 482,260 657,386 Interest rate option contracts - 19,336 19,336 Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total 627,234 669,295 1,296,529 Within Over 1 year 1 year 7 total cin million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Currency option contracts	15,267	-	15,267
Others 19,336 19,336 Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total Consultated and Bank only 31 December 2016 Within Over 1 year 1 year 1 year Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts 199,836 540,862 740,698 Interest rate option contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Interest rate related			
Others Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total Consultated and Bank only all December 2016 Within Over 1 year Total Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Interest rate swap contracts	175,126	482,260	657,386
Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total Consolidated and Bank only 31 December 2016 Within Over 1 year 1 year 1 year 7 Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related 199,836 540,862 740,698 Interest rate option contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Interest rate option contracts	-	19,336	19,336
Bond forward contracts 973 8,246 9,219 Commodities 11,635 238 11,873 Total Consolidated and Bank only 31 December 2016 Within Over 1 year 1 year 1 year 7 Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related 199,836 540,862 740,698 Interest rate option contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Others			
Commodities 11,635 238 11,873 Total Consolidated and Bank only all December 2016 Within Over 1 year 1 year 1 year Total (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793		973	8.246	9.219
Total Consolidated and Bank only 31 December 2016 Within Over 1 year 1 year 1 year (in million Baht) Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Commodities		,	•
Note	Total	627,234	669,295	
Note		Consc	olidated and Rank or	nlv
Within 1 year Over 1 year 1 year (in million Baht) Total Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related 11,263 540,862 740,698 Interest rate option contracts 10,404 10,404 Others 11,263 2,434 3,697 Commodities 9,228 1,565 10,793				<i>J</i>
Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793				
Foreign currency related Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793		1 year	1 year	Total
Forward exchange contracts 303,980 9,407 313,387 Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793		•	(in million Baht)	
Cross currency swap contracts 59,113 181,381 240,494 Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Foreign currency related			
Currency option contracts 5,290 - 5,290 Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793				
Interest rate related Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Forward exchange contracts	303,980	9,407	313,387
Interest rate swap contracts 199,836 540,862 740,698 Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793		· ·	· · · · · · · · · · · · · · · · · · ·	•
Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Cross currency swap contracts	59,113	· · · · · · · · · · · · · · · · · · ·	240,494
Interest rate option contracts - 10,404 10,404 Others Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Cross currency swap contracts Currency option contracts	59,113	· · · · · · · · · · · · · · · · · · ·	240,494
Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Cross currency swap contracts Currency option contracts Interest rate related	59,113 5,290	181,381	240,494 5,290
Bond forward contracts 1,263 2,434 3,697 Commodities 9,228 1,565 10,793	Cross currency swap contracts Currency option contracts Interest rate related Interest rate swap contracts	59,113 5,290	181,381 - 540,862	240,494 5,290 740,698
Commodities 9,228 1,565 10,793	Cross currency swap contracts Currency option contracts Interest rate related Interest rate swap contracts Interest rate option contracts	59,113 5,290	181,381 - 540,862	240,494 5,290 740,698
	Cross currency swap contracts Currency option contracts Interest rate related Interest rate swap contracts Interest rate option contracts Others	59,113 5,290 199,836	181,381 - 540,862 10,404	240,494 5,290 740,698 10,404
	Cross currency swap contracts Currency option contracts Interest rate related Interest rate swap contracts Interest rate option contracts Others Bond forward contracts	59,113 5,290 199,836 -	181,381 - 540,862 10,404 2,434	240,494 5,290 740,698 10,404

5 Fair value of financial assets and liabilities

Fair value hierarchy

When measuring the fair value of an asset or a liability, the Bank and its subsidiary use market observable data as far as possible. Fair values are categorised into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows.

- Level 1: quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2: inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices).
- Level 3: inputs for the asset or liability that are not based on observable market data (unobservable inputs).

5.1 Financial instruments measured at fair value - Fair value hierarchy

The following table analyses financial instruments measured at fair value at the reporting date, by the level in the fair value hierarchy into which the fair value measurement is categorised.

		C onsolidated a Fair v	•	
	Level 1	Level 2	Level 3	Total
30 June 2017		(in millic	on Baht)	
Financial assets				
Derivatives				
- Foreign currency related	5	8,848	-	8,853
- Interest rate related	-	7,526	-	7,526
 Bond forward contracts 	-	175	-	175
- Commodities contracts	-	1,781	-	1,781
Debt securities held for trading	-	11,164	-	11,164
Debt securities available-for-sale	-	21,085	-	21,085
Financial liabilities Derivatives				
- Foreign currency related	2	8,266	-	8,268
- Interest rate related	-	5,852	_	5,852
- Bond forward contracts	-	124	_	124
- Commodities contracts	-	1,784	-	1,784
		C onsolidated a Fair v		
	Level 1	Level 2	Level 3	Total
31 December 2016		(in millio	on Baht)	
Financial assets Derivatives				
- Foreign currency related	2	14,038	_	14,040
- Interest rate related	-	8,176	_	8,176
- Bond forward contracts	-	275	_	275
- Commodities contracts	-	787	_	787
Debt securities held for trading	-	6,429	_	6,429
Debt securities available-for-sale	-	26,203	-	26,203

	Consolidated a	ind Bank only					
	Fair value						
	Level 1	Level 2	Level 3	Total			
31 December 2016		(in millio	on Baht)				
Financial liabilities							
Derivatives							
- Foreign currency related	2	15,169	-	15,171			
- Interest rate related	-	6,597	-	6,597			
- Bond forward contracts	-	180	-	180			
- Commodities contracts	-	788	-	788			

The Bank and its subsidiary determine Level 2 fair values for debt securities using a discounted cash flow technique, which uses contractual cash flows and a market-related discount rate.

Level 2 fair values for simple over-the-counter derivative are based on inputs which are observable from independent and reliable market data sources. Those inputs are tested for reasonableness by discounting expected future cash flows using market interest rate for a similar instrument at the measurement date. Fair values of derivative financial assets reflect the credit risk of the instrument and include adjustments to take account of the credit risk of the counterparty when appropriate.

The Bank and its subsidiary recognise transfers between levels of the fair value hierarchy as of the end of the reporting period during which the transfer has occurred. There were no transfers between Level 1 to Level 2 of the fair value hierarchy during the six-month period ended 30 June 2017 and for the year ended 31 December 2016.

The Bank and its subsidiary have an established control framework with respect to the measurement of fair values. This framework includes a valuation team and has overall responsibility for all significant fair value measurements, including Level 3 fair values.

The valuation team regularly reviews significant unobservable inputs and valuation adjustments. If third party information, such as broker quotes or pricing services, is used to measure fair value, then the valuation team assesses and documents the evidence obtained from the third parties to support the conclusion that such valuations meet the requirements of TFRSs, including the level in the fair value hierarchy the resulting fair value estimate should be classified.

5.2 Financial instruments not measured at fair value

The carrying value of significant financial assets and liabilities not measured at fair value approximates the fair value.

The following methods and assumptions were used by the Bank in estimating the fair value of financial instruments as disclosed herein.

Interbank and money market items (assets and liabilities)

The fair value of interbank and money market items (assets and liabilities) which bear variable rates of interest approximates their carrying value at the reporting date. The fair value of fixed rate instruments with remaining maturities greater than 1 year is estimated by using a discounted cash flow calculation applying interest rates currently being offered on similar instruments.

Trading securities, available-for-sale securities and held-to-maturity debt instruments

The fair value is based on quoted market prices, where available. If quoted market prices are not available, fair value is based on quoted market prices of comparable instruments after adjustment for the risk involved or the net asset values of such securities.

General investments

The fair value of non-marketable equity securities is determined based on unobservable market data.

Loans to customers

For floating-rate loans to customers that reprice frequently and have no significant change in credit risk, fair value approximates carrying value at the reporting date. The fair value of fixed rate loans to customers that reprice within 1 year of the reporting date approximates the carrying value at the reporting date. The fair value of other fixed interest loans to customers is estimated using discounted cash flow analysis and using interest rates currently being offered for loans to customers with similar credit quality.

Deposits

The fair value of deposits which are payable on demand by the depositor is equal to the carrying value of such deposits. The carrying amounts of floating-rate, fixed-term money market accounts, certificates of deposit and fixed rate deposits repricing within 1 year approximate their market value at the reporting date. The fair value for other fixed interest deposits is estimated using a discounted cash flow calculation that applies interest rates currently being offered on deposits to a schedule of aggregate expected monthly maturities on time deposits.

Debts issued and borrowings

The fair value of debts issued and borrowings which bear variable rates of interest approximates their carrying value at the reporting date. The fair value of fixed rate instruments with remaining maturities greater than 1 year is estimated by using a discounted cash flow calculation applying interest rates currently being offered on similar instruments.

Liabilities payable on demand

The carrying value of liabilities payable on demand approximates fair value.

Other financial instruments

The fair value of the above financial assets and liabilities approximate the carrying value at which they are stated on the statement of financial position.

6 Maintenance of capital fund

The Bank, which is financial institutions, is subject to various capital and regulatory requirements of the Bank of Thailand. Under these capital adequacy guidelines and the regulatory framework for prompt corrective action, the Bank must satisfy specific capital guidelines that involve, among others, quantitative measures of the Bank's assets, liabilities and certain off-financial statement position as calculated in accordance with regulatory practices. The Bank's capital amounts and classifications are also subject to qualitative judgments by the Bank of Thailand as to components, risk weightings, and other factors. These capital and regulatory requirements are subject to change, as considered necessary by the Bank of Thailand.

The Bank maintains its capital fund in accordance with the Financial Institution Business Act B.E. 2551 by maintaining its capital fund as a proportion of risk weighted assets in accordance with the criteria, methodologies, and conditions prescribed by the Bank of Thailand. As announced by the BoT in its circulars dated 8 November 2012 and 8 May 2015, the Bank is required to calculate its Capital Fund in accordance with Basel III. As at 30 June 2017 and 31 December 2016, the Bank's total capital funds can be categorised as follows:

			Bank	only
			30 June	31 December
			2017	2016
			(in mill	ion Baht)
Tier 1 capital				
Common Equity Tier 1 (CET1)				
Issued and paid-up share capital, share pr	remium		23,893	23,893
Legal reserve			1,096	1,075
Net profit after appropriation			13,202	13,189
Other reserves			(37)	(115)
Less capital deduction items on CET1		_	(960)	(984)
Total Tier 1 Capital Base		-	37,194	37,058
Tier 2 capital				
Provision for normal classified assets			76	238
Surplus of provision			563	498
Total Tier 2 Capital Base		-	639	736
•		-		
Total Capital Base		-	37,833	37,794
Total Risk-Weighted Assets		=	135,492	143,630
	The BoT'	's regulation		
		requirement		31 December
	2017	2016	2017	2016
	2017	2010	(%)	2010
Capital Adequacy Ratio	9.75	9.125	27.92	26.31
Tier-1 Capital ratio	7.25	6.625	27.45	25.80
Tier-1 Common Equity ratio	5.75	5.125	27.45	25.80
Tier-2 Capital ratio	_	_	0.47	0.51
Capital after deducting capital add-on				
arising from Single Lending Limit			27.022	25.50.4
(in million Baht)	-	-	37,833	37,794
Capital after deducting capital add-on				
arising from Single Lending Limit			27.02	26.21
to total risk-weighted assets ratio	-	-	27.92	26.31

^{*}Includes capital conservation buffer as required by the BOT commencing 1 January 2016.

According to Bank of Thailand notification number For Nor Sor (23) Wor 263/2556 dated 22 February 2013 required to disclose capital after deducting capital add-on arising from Single Lending Limit, effective at the end of January 2015.

The Bank has applied the calculation for minimum credit risk capital under the Advanced Internal Ratings-Based Approach (AIRB) for certain products, as approved by the Bank of Thailand and in accordance with the BoT Notification.

In accordance with the Bank of Thailand Notification No. Sor Nor Sor 4/2556 dated 2 May 2013, Re: "Information Disclosure Regarding Capital Fund Maintenance for Commercial Banks", the Bank intends to disclose Capital Maintenance information as of 30 June 2017 within 4 months after the period end date, as indicated in the notification, through the Bank's website www.sc.com/th/.

Capital management

The Bank's capital management approach is driven by its desire to maintain a strong capital base to support the development of its business, to meet regulatory capital requirements and to maintain appropriate credit ratings.

7 Interbank and money market items, net (assets)

	Consolidated and Bank only					
		30 June 2017		31	December 20)16
	At call	Term	Total	At call	Term	Total
			(in millio	n Baht)		
Domestic						
Bank of Thailand	9,343	10,367	19,710	8,154	2,355	10,509
Commercial banks	20	2,220	2,240	5,373	15,532	20,905
Other financial institutions	300		300	270	294	564
Total	9,663	12,587	22,250	13,797	18,181	31,978
Add accrued interest receivable	1	6	7	1	3	4
Less allowance for doubtful accounts	(3)	(2)	(5)	(3)	(26)	(29)
Total domestic, net	9,661	12,591	22,252	13,795	18,158	31,953
Foreign						
US Dollar	3,168	30,082	33,250	2,256	16,677	18,933
Japanese Yen	1,696	-	1,696	3,330	-	3,330
Euro	110	-	110	2,032	15	2,047
Chinese Yuan	27	-	27	16	-	16
Other currencies	305		305	391		391
Total	5,306	30,082	35,388	8,025	16,692	24,717
Add accrued interest receivable	-	133	133	-	71	71
Less allowance for doubtful accounts		(137)	(137)	(1)	(42)	(43)
Total foreign, net	5,306	30,078	35,384	8,024	16,721	24,745
Total domestic and foreign, net	14,967	42,669	57,636	21,819	34,879	56,698

8 **Derivatives**

Derivatives held for trading 8.1

As at 30 June 2017 and 31 December 2016, the fair value and notional amount of derivatives classified by type of risks are as follows:

			Consolidated a	ınd Bank onl	ly	
		30 June 2017	7	3	1 December 2	016
	Fair	value	Notional	Fair	r value	Notional
Type of risks	Assets	Liabilities	amount	Assets	Liabilities	amount
			(in millio	on Baht)		
Foreign currency related	8,853	8,268	598,715	14,040	15,171	559,171
Interest rate related	7,526	5,831	674,272	8,176	6,535	746,052
Others						
- Bond forward contracts	175	124	9,219	275	180	3,697
- Commodities	1,781	1,784	11,873	787	788	10,793
	1,956	1,908	21,092	1,062	968	14,490
Total	18,335	16,007	1,294,079	23,278	22,674	1,319,713

As at 30 June 2017 and 31 December 2016, proportions of the notional amount of derivative transactions, classified by counterparties, consisted of:

	Consolidated and Bank only			
	30 June 31 De			
	2017	2016		
Counterparties	(%	6)		
Financial institutions	67.4	65.2		
Related parties	25.5	27.0		
Other parties	7.1	7.8		
Total	100.0	100.0		

Derivatives held for hedging

8.2.1 Fair value hedges

Consolidated and Bank only 30 June 2017 31 December 2016 Fair value Fair value Notional Notional Type of risks Assets Liabilities amount Assets Liabilities amount (in million Baht) Interest rate related 2,450 750 Total

2,450

17

750

21

The swaps exchange fixed rates for floating rates on funding to match floating rates received on assets, or exchange fixed rates on assets to match the floating rates paid on funding. For qualifying hedges, the fair value changes of the derivative are substantially matched by corresponding fair value changes of the hedged items, both of which are recognised in profit or loss. For the six-month period ended 30 June 2017, the Bank recognised loss on fair value hedges in profit or loss amounted to Baht 0.1 million (30 June 2016: gain on fair value hedges Baht 0.2 million).

8.2.2 Cash flow hedges

Consolidated and Bank only

		30 June 2017		3	31 December 20	16
	Fair	value	Notional	Fair	value	Notional
Type of risks	Assets	Liabilities	amount	Assets	Liabilities	amount
			(in millie	on Baht)		
Foreign currency related	-	-	-	-	-	-
Interest rate related	-	-	-	-	45	4,300
Total					45	4,300

The Bank uses interest rate swaps to manage the variability in future cash flows on assets and liabilities and cross-currency swaps to manage the variability in future exchange rates on its assets and liabilities and costs in foreign currencies. The interest rate swaps are contracts which involve the exchange of floating rates for fixed rates. The cross-currency swaps are contracts which involve the exchange of principal and interest in different currencies with counterparties for a specified period. Gains or losses arising on the effective portion of the hedges are deferred in other comprehensive income until the variability on the cash flow affects profit and loss, at which time the gains or losses are transferred to profit or loss. For the six-month period ended 30 June 2017, the Bank recognised loss on cash flow hedges in other comprehensive income amounted to Baht 7 million (30 June 2016: gain on cash flow hedges Baht 50 million) and gain on cash flow hedges in profit or loss amounted to Bah 53 million (30 June 2016: loss on cash flow hedges Baht 29 million).

As at 30 June 2017 and 31 December 2016, the time periods in which cash flows of hedged items are expected to impact in profit or loss are as follows:

Cash flows	Within 3 months	30 June Over 3 months to 1 year (in million	Over 1 year to 5 years	Total		
Cash inflows Cash outflows Net cash flows	- - -	- - -	- - - -	- - -		
		Consolidated a 31 Decem				
Cash flows	Within 3 months	Over 3 months to 1 year	Over 1 year to 5 years	Total		
		(in million Baht)				
Cash inflows	17	52	323	392		
Cash outflows	(6)			(6)		
Net cash flows	11	52	323	386		

9 Investments, net

9.1 As at 30 June 2017 and 31 December 2016, the Bank and its subsidiary classify investment types, as follows:

	Consolidated		
	and Bank only		
	30 June 31 Dece		
	2017	2016	
	(in milli	on Baht)	
Trading investments - Fair value			
Government bonds	8,235	4,040	
Private debt instruments	2,929	2,389	
Total	11,164	6,429	
Available-for-sale investments - Fair value			
Government bonds	21,085	26,203	
Total	21,085	26,203	
General investments - Cost			
Domestic non-marketable equity securities	23	23	
Foreign non-marketable equity securities	1	1	
Total	24	24	
Less allowance for impairment	(10)	(10)	
Net	14	14	
Total investments, net	32,263	32,646	

9.2 Fair value changes in available-for-sale investments consisted of:

	Consolidated and Bank only		
	30 June 31 Decer		
	2017	2016	
	(in mill	ion Baht)	
Fair value changes in available-for-sale investments			
Debt securities	(40)	(223)	
Less fair value changes in fair value hedged investments	(17)	(17)	
Less deferred tax	11_	48	
Net	(46)	(192)	

9.3 Investments in companies with problems in relation to their financial positions and results of operations are as follows:

Consolidated and B	Sank only	
31 December 2	2016	

	31 December 2016				
	No. of			Allowance	Allowance
	companies	Cost	Fair value	for revaluation	for impairment
			(in	million Baht)	
Non-listed companies in SET	5	23	13	-	10
Total	5	23	13	-	10

10 Investment in subsidiary

Bank only

			Percentage of				
	Type of	Type of	ownership			Dividen	d income
Companies	business	investment	interest	At	cost	for the	period
				30 June	31 December	ended	30 June
				2017	2016	2017	2016
					(in milli	on Baht)	
Thai Exclusive Leasing	Debt collection	Ordinary					
Company Limited (TEL) (*)	business	shares	99.99	59	59	-	-
Less allowance for							
impairment				(11)	(11)		
Net				48	48		

^(*) The entity is registered for dissolution on 23 December 2016 and is currently under liquidation process.

11 Loans to customers and accrued interest receivable, net

11.1 Classified by type of loans

	Consolidated and Bank only	
	30 June 31 Decem	
	2017	2016
	(in million Baht)	
Overdrafts	337	186
Loans	34,245	31,944
Bills	7,414	6,008
Total	41,996	38,138
Add accrued interest receivable	110	79
Total loans and accrued interest receivable	42,106	38,217
Less allowance for doubtful accounts		
- Minimum allowance as BoT's regulations		
- Individual approach	(4,299)	(4,288)
- Excess allowance	(1,227)	(1,566)
Total	(5,526)	(5,854)
Total loans to customers and		
accrued interest receivable, net	36,580	32,363

11.2 Classified by currency and residence of debtors

		Co	onsolidated	and Bank only		
		30 June 2017		31	December 201	6
	Domestic	Foreign	Total	Domestic	Foreign	Total
			(in millio	on Baht)		
Thai Baht	28,274	-	28,274	25,556	20	25,576
US Dollar	9,088	4,378	13,466	6,774	5,769	12,543
Other currencies	256	-	256	19	_	19
Total	37,618	4,378	41,996	32,349	5,789	38,138

11.3 Classified by industry and loan classification

			Consolidated an	•		
	Pass	Special mention	Substandard (in million	Doubtful Baht)	Doubtful of loss	Total
Agriculture and mining Manufacturing	611	-	-	-	-	611
and commerce	24,407	234	19	-	4,479	29,139
Property development and construction Infrastructure	3,346	-	-	-	-	3,346
and services	3,331	_	-	_	-	3,331
Others	5,569	-	-	-	-	5,569
Total	37,264	234	19		4,479	41,996
			G 111 / 1			
			Consolidated at 31 December 21			
	Pass	Special mention		per 2016 Doubtful	Doubtful of loss	Total
Agriculture and mining	Pass 1,039	-	31 Decemb	per 2016 Doubtful		Total 1,039
mining Manufacturing and commerce		-	31 Decemb	per 2016 Doubtful		
mining Manufacturing and commerce Property development and construction	1,039	mention -	31 Decemb Substandard (in million	per 2016 Doubtful	of loss	1,039
mining Manufacturing and commerce Property development	1,039 23,365 430	mention -	31 Decemb Substandard (in million	per 2016 Doubtful	of loss	1,039 28,224 430
mining Manufacturing and commerce Property development and construction Infrastructure	1,039 23,365	mention -	31 Decemb Substandard (in million	per 2016 Doubtful	of loss	1,039 28,224

11.4 Classified by loan classification

			and Bank only	
			ne 2017	
	_	Net amount	Rate used	
	Loans to	used to set the	for setting the	
	customers and	allowance	allowance	Allowance
	accrued interest	for doubtful	for doubtful	for doubtful
	receivables	accounts*	accounts	accounts
) (C.) 11	(in millio	on Baht)	(%)	(in million Baht)
Minimum allowance as per BoT's Regulations				
Pass	37,374	32,981	1	330
Special mention	234	217	2	4
Substandard	19	19	100	19
Doubtful	-	-	100	-
Doubtful of loss	4,479	3,946	100	3,946
Total	42,106	37,163		4,299
Excess allowance				1,227
Total				5,526
			and Bank only	
			mber 2016	
	Loans to	31 Decer Net amount	nber 2016 Rate used	
	Loans to customers and	31 Decer Net amount used to set the	nber 2016 Rate used for setting the	Allowance
	customers and	31 Decer Net amount used to set the allowance	Rate used for setting the allowance	Allowance for doubtful
	customers and accrued interest	31 Decer Net amount used to set the allowance for doubtful	nber 2016 Rate used for setting the	Allowance for doubtful accounts
	customers and	31 Decer Net amount used to set the allowance for doubtful accounts*	Rate used for setting the allowance for doubtful	for doubtful
Minimum allowance as per BoT's Regulations	customers and accrued interest receivables	31 Decer Net amount used to set the allowance for doubtful accounts*	Rate used for setting the allowance for doubtful accounts	for doubtful accounts
Minimum allowance as per BoT's Regulations Pass	customers and accrued interest receivables (in million	31 Decer Net amount used to set the allowance for doubtful accounts*	Rate used for setting the allowance for doubtful accounts	for doubtful accounts
BoT's Regulations Pass	customers and accrued interest receivables	31 Decer Net amount used to set the allowance for doubtful accounts*	nber 2016 Rate used for setting the allowance for doubtful accounts (%)	for doubtful accounts (in million Baht)
BoT's Regulations	customers and accrued interest receivables (in millio	31 Decer Net amount used to set the allowance for doubtful accounts* on Baht)	nber 2016 Rate used for setting the allowance for doubtful accounts (%)	for doubtful accounts (in million Baht)
BoT's Regulations Pass Special mention	customers and accrued interest receivables (in million 33,358 265	31 Decer Net amount used to set the allowance for doubtful accounts* on Baht) 29,494 245	nber 2016 Rate used for setting the allowance for doubtful accounts (%)	for doubtful accounts (in million Baht) 295 5
BoT's Regulations Pass Special mention Substandard	customers and accrued interest receivables (in million 33,358 265 35 4,559	31 Decer Net amount used to set the allowance for doubtful accounts* on Baht) 29,494 245 20 - 3,968	nber 2016 Rate used for setting the allowance for doubtful accounts (%) 1 2 100	for doubtful accounts (in million Baht) 295 5
BoT's Regulations Pass Special mention Substandard Doubtful	customers and accrued interest receivables (in million 33,358 265 35	31 Decer Net amount used to set the allowance for doubtful accounts* on Baht) 29,494 245 20	nber 2016 Rate used for setting the allowance for doubtful accounts (%) 1 2 100 100	for doubtful accounts (in million Baht) 295 5 20
BoT's Regulations Pass Special mention Substandard Doubtful Doubtful of loss	customers and accrued interest receivables (in million 33,358 265 35 4,559	31 Decer Net amount used to set the allowance for doubtful accounts* on Baht) 29,494 245 20 - 3,968	nber 2016 Rate used for setting the allowance for doubtful accounts (%) 1 2 100 100	for doubtful accounts (in million Baht) 295 5 20 - 3,968

^{*} Net amount for allowance for doubtful accounts means the outstanding debt after deducting the present value of future cash flows expected to be received or the expected proceeds from the disposal of collateral.

11.5 Non-performing loans

According to the BoT's regulations, commercial banks are required to report additional information on non-performing loans ("NPL"), which include:

- NPL net and the ratio of NPL net to total loans after allowances for doubtful accounts; and
- NPL gross and the ratio of NPL gross to total loans before allowances for doubtful accounts.

As at 30 June 2017 and 31 December 2016, NPL net (including financial institutions) based on the above directive can be summarised as follows:

	Consolidated and Bank only		
	30 June 2017	31 December 2016	
Non-performing loans, net (in million Baht)	1,474	1,541	
Total loans used for NPL net ratio			
calculation (in million Baht)	111,200	109,984	
Ratio of total loans (%)	1.33	1.40	

As at 30 June 2017 and 31 December 2016, NPL gross (including financial institutions) based on the above directive can be summarised as follows:

	Consolidated and Bank only		
	30 June 2017	31 December 2016	
Non-performing loans, gross (in million Baht)	6,235	6,466	
Total loans used for NPL gross ratio calculation (in million Baht)	115,961	114,910	
Ratio of total loans (%)	5.38	5.63	

Total loans used for NPL ratio calculation are loans to customers as presented in the statement of financial position, loans to financial institutions as included in interbank and money market items and loan to retail banking customer as included in assets of disposal group classified as held for sales.

As at 30 June 2017 and 31 December 2016, NPL net (including financial institutions) exclude assets of disposal group classified as held for sales based on the above directive can be summarised as follows:

	Consolidated and Bank only		
	30 June 2017	31 December 2016	
Non-performing loans, net (in million Baht) Total loans used for NPL net ratio	258	335	
calculation (in million Baht) Ratio of total loans (%)	72,917 0.35	68,918 0.49	

As at 30 June 2017 and 31 December 2016, NPL gross (including financial institutions) exclude assets of disposal group classified as held for sales based on the above directive can be summarised as follows:

	Consolidated and Bank only				
	30 June 2017 31 Decem				
Non-performing loans, gross (in million Baht) Total loans used for NPL gross ratio	4,498	4,594			
calculation (in million Baht)	77,157	73,178			
Ratio of total loans (%)	5.83	6.28			

12 Troubled debt restructuring

for doubtful accounts

During the six-month periods ended 30 June 2017 and 2016, details of restructured debts as at the date of restructuring, classified by the restructuring method were as follows:

	Consolidated and Bank only									
	Six-mor	Six-month period ended 30 June 2017								
			Amount of	Amount of						
	Terms of debt	No. of	debt before	debt after						
Restructuring method	restructuring agreements	customers	restructuring	restructuring						
			(in millio	n Baht)						
Modification of terms	Over 1 year and 11 months									
and conditions	to 7 years and 2 months	138	117	117						
Total		138	117	117						
	Consolidated and Bank only									
	Con	solidated and	Bank only							
			Bank only d 30 June 2016							
			•	Amount of						
			d 30 June 2016	Amount of debt after						
Restructuring method	Six-mor	nth period ende	d 30 June 2016 Amount of							
Restructuring method	Six-mor	nth period ende No. of	d 30 June 2016 Amount of debt before	debt after restructuring						
Restructuring method Modification of terms	Six-mor	nth period ende No. of	d 30 June 2016 Amount of debt before restructuring	debt after restructuring						
· ·	Six-mor	nth period ende No. of	d 30 June 2016 Amount of debt before restructuring	debt after restructuring						

The Bank measures the expected recoverable amounts of loans restructured by modification of terms and conditions by using the present value of future cash flows discounted by the market rate.

The Bank and its subsidiary had outstanding balances of restructured debt as follows:

	Consolidated and Bank only				
	30 June 2017	31 December 2016			
	(in mill	lion Baht)			
Troubled restructured debt	5,457	5,510			
The loss incurred arising from restructuring, before allowance periods ended 30 June as following:					
	Consolidated	and Bank only			
	2017	2016			
	(in mill	lion Baht)			
The loss incurred arising from restructuring, before allowance					

If the loss on debt restructuring is higher than the allowance for doubtful accounts, the excess amounts are recognised as loss from debt restructuring in profit or loss. The Bank and its subsidiary had no loss on debt restructuring for the six-month periods ended 30 June 2017 and 2016.

The Bank and its subsidiary recognised interest income from debt restructuring for the six-month period ended 30 June as follows:

	Consolidated and Bank only				
	2017	2016			
	(in million Baht)				
Interest income	56	57			

Restructured debts are a part of loans to customers as presented in the statement of financial position and loan to retail banking customer as included in assets of disposal group classified as held for sales.

The loss incurred arising from restructuring, before allowance for doubtful accounts and interest income is included in both continued operations and discontinued operation presented in statement of profit or loss and other comprehensive income.

13 Allowance for doubtful accounts

			Consol	idated and B	ank only						
			Consor	30 June 2017							
		Special	Sub		Doubtful	Excess					
	Pass	mention	standard	Doubtful	of loss	allowance	Total				
				(in million Ba	,						
Beginning balance	295	5	20	-	3,968	1,566	5,854				
Allowance for doubtful	25	(1)	(1)		(16)	(260)	(252)				
accounts Others	35	(1)	(1)	-	(16) (6)	(269) (70)	(252) (76)				
Ending balance	330	4	19	<u>-</u>	3,946	1,227	5,526				
Ename balance					3,740						
	Consolidated 31 December 2016										
		Special	Sub	December 20	Doubtful	Excess					
	Pass	mention	standard	Doubtful	of loss	allowance	Total				
	I uss	memmon		(in million Ba		uno wance	1000				
Beginning balance Allowance for doubtful	530	23	425	36	5,387	2,935	9,336				
accounts	(99)	(9)	(188)	(23)	1,499	251	1,431				
Bad debt written off	())	(<i>)</i>	(100)	(23)	(2,480)	231	(2,480)				
Reclassification to					(=, .00)		(=, .00)				
disposal group of											
assets held for sale	(136)	(9)	(217)	(13)	(436)	(1,554)	(2,365)				
Others	-	<u>-</u> _			(2)	(66)	(68)				
Ending balance	295	5	20		3,968	1,566	5,854				
				Bank only							
				1 December 2							
	~	Special	Sub	5 1.61	Doubtful	Excess	m . 1				
	Pass	mention	standard	Doubtful	of loss	allowance	Total				
Beginning balance	550	23	425	(in million Ba 36	nt) 5,387	2,915	9,336				
Allowance for doubtful	330	23	423	30	3,307	2,713	7,330				
accounts	(119)	(9)	(188)	(23)	1,499	271	1,431				
Bad debt written off	_	-	_		(2,480)	-	(2,480)				
Reclassification to disposal group of											
assets held for sale	(136)	(9)	(217)	(13)	(436)	(1,554)	(2,365)				
Others	-	-	-	-	(2)	(66)	(68)				
Ending balance	295	5	20		3,968	1,566	5,854				

	Conso	olidated	Bank only		
Six-month period ended 30 June	2017	2016	2017	2016	
•		(Restated)		(Restated)	
		(in milli	on Baht)		
Allowance for doubtful accounts	(252)	(140)	(252)	(140)	
Less Reversal of impairment loss of investment					
in receivables	-	(3)			
Reversal of impairment loss of loans and debt securities	(252)	(143)	(252)	(140)	

14 Premises and equipment

As at 30 June 2017 and 31 December 2016, changes in premises and equipment are as follows:

Consolidated and Bank only

30 June 2017

				Cost				Accum	ulated deprec	ciation			
	Net book value as of		Purchases	Disposals	Transfer to				Disposals	Transfer to		Allowance	Net book value as of
	1 January	Beginning	and	and	assets held	Ending	Beginning		and	assets held	Ending	for	30 June
	2017	0 0			for sale	_	0 0				C		
	2017	balance	transfers in	transfers out	for sale	balance	balance	Depreciation	transfers out	for sale	balance	impairment	2017
							(in m	illion Baht)					
Land	11	20	-	-	(20)	-	-	-	-	-	-	-	-
Freehold													
premises	353	1,683	-	-	(208)	1,475	929	20	-	(187)	762	(394)	319
Equipment	68	436	3	(32)	(34)	373	368	16	(32)	(28)	324	-	49
Total	432	2,139	3	(32)	(262)	1,848	1,297	36	(32)	(215)	1,086	(394)	368

Consolidated 31 December 2016

				Cost				Accum	ulated deprec	iation			
	Net book		D 1	D' 1	TD . C .				D' 1	TD C		A 11	Net book
	value as of		Purchases	Disposals	Transfer to				Disposals	Transfer to		Allowance	value as of
	1 January	Beginning	and	and	assets held	Ending	Beginning		and	assets held	Ending	for	31 December
	2016	balance	transfers in	transfers out	for sale	balance	balance	Depreciation	transfers out	for sale	balance	impairment	2016
							(in m	illion Baht)					
Land	11	20	=.	-	-	20	-	-	-	-	-	(9)	11
Freehold													
premises	416	1,830	2	(149)	-	1,683	1,013	48	(132)	-	929	(401)	353
Equipment	107	1,156	19	(695)	(44)	436	1,049	47	(690)	(38)	368	-	68
Total	534	3,006	21	(844)	(44)	2,139	2,062	95	(822)	(38)	1,297	(410)	432

Bank only 31 December 2016

		31 December 2010											
			Cost Accumulated depreciation										
	Net book												Net book
	value as of		Purchases	Disposals	Transfer to				Disposals	Transfer to		Allowance	value as of
	1 January	Beginning	and	and	assets held	Ending	Beginning		and	assets held	Ending	for	31 December
	2016	balance	transfers in	transfers out	for sale	balance	balance	Depreciation	transfers out	for sale	balance	impairment	2016
							(in mi	illion Baht)					
Land	11	20	-	-	-	20	-	-	-	-	_	(9)	11
Freehold													
premises	416	1,830	2	(149)	_	1,683	1,013	48	(132)	-	929	(401)	353
Equipment	107	1,153	19	(692)	(44)	436	1,046	47	(687)	(38)	368	-	68
Total	534	3,003	21	(841)	(44)	2,139	2,059	95	(819)	(38)	1,297	(410)	432
		- <i></i>											

The gross amount of the Bank and its subsidiary' fully depreciated premises and equipment that was still in use as at 30 June 2017 amounted Baht 292 million (31 December 2016: Baht 461 million).

15 Deferred tax

Deferred tax assets and liabilities were as follows:

Consolidated and Bank only
30 June 31 December
2017 2016
(in million Baht)
884 926

Deferred tax assets

Movements in total deferred tax assets and liabilities during the six-month period ended 30 June 2017 and 2016 were as follows:

Consolidated and Bank only (Charged) / Credited to: At 1 January Profit At 30 June Other 2017 or loss comprehensive 2017 income (note 40) (in million Baht) Deferred tax assets Investments 73 (15)(36)22 Loans and accrued interest receivable 169 (5) 164 Premises and equipment 67 1 68 Other assets 71 (3) 68 Provisions 2 93 91 19 Other liabilities 472 453 Assets of disposal group classified as held for sale (6) (6) Cash flow hedges 2 3 **(7**) 926 (35)884 **Total**

			ed ited to:		
	At 1 January 2016	Profit or loss	Other comprehensive income	Transfer to assets of disposal group classified as held for sale	At 30 June 2016
		,	ote 40)		
		(in mi	llion Baht)		
Deferred tax assets					
Investments	261	(1)	13	(275)	(2)
Loans and accrued interest					
receivable	144	15	-	-	159
Premises and equipment	71	(2)	-	-	69
Intangible assets	1	-	-	-	1
Other assets	71	(1)	-	-	70
Derivative instrument	96	(42)	-	-	54
Provisions	110	(8)	-	(1)	101
Other liabilities	90	11	-	(3)	98
Loss carry forward	4	(4)	-	-	-
Total	848	(32)	13	(279)	550
Deferred tax liabilities					
Cash flow hedges	-	-	(10)	-	(10)
Total			(10)		(10)
Net	848	(32)	3	(279)	540

		Ban	k only		
	_	(Charged) /	Credited to:	At 30 June 2016	
	At 1 January	Profit	Other		
	2016	or loss	comprehensive		
			income		
		(no	te 40)		
		(in mill	ion Baht)		
Deferred tax assets					
Loans and accrued interest receivable	144	15	-	159	
Premises and equipment	71	(2)	-	69	
Intangible assets	1	-	-	1	
Other assets	72	(2)	-	70	
Derivative instrument	96	(42)	-	54	
Provisions	106	(7)	-	99	
Other liabilities	85	16	<u></u>	101	
Total	575	(22)		553	
Deferred tax liabilities					
Investments	(12)	(4)	13	(3)	
Cash flow hedges	-	-	(10)	(10)	
Total	(12)	(4)	3	(13)	
Net	563	(26)	3	540	

16 Accounts receivable from sales of investments and debt securities in issue

Accounts receivable from sales of investments and debt securities in issue arise as a result of the Bank accounting for these transactions at the trade date while the settlement date occurs in the following period. These accounts receivable occur in the normal course of the Bank's business.

17 Discontinued operation

On 22 December 2016, the Bank has reached a binding agreement to sell retail banking business including credit cards, personal loans, business loans, wealth management, mortgage loans, bancassurance and retail deposits. The process is expected to be completed in 2017.

The details of assets and liabilities of the discontinued operation classified as held for sale are disclosed in note 18.

An analysis of the results of the discontinued operation for the six-month period ended 30 June 2017 and 2016 was as follows:

	Consolidated		Bank only		
	2017	2016	2017	2016	
		(in milli	lion Baht)		
Interest income	1,680	2,042	1,680	2,042	
Interest expense	197	277	197	277	
Net interest income	1,483	1,765	1,483	1,765	
Fees and service income	266	325	266	325	
Fees and service expenses	122	156	122	197	
Net fees and service income	144	169	144	128	
Losses on trading and foreign		-			
exchange transactions	(8)	(6)	(8)	(6)	
Other operating income	3	3	3	3	
Total operating income	1,622	1,931	1,622	1,890	
Employee expense	397	525	397	525	
Premises and equipment expenses	127	131	127	131	
Taxes and duties	64	76	64	76	
Other operating expense	186	152	186	152	
Total other operating expenses	774	884	774	884	
Impairment loss of loans					
and debt securities	110	478	110	478	
Operating profit before					
income tax from					
discontinued operations	738	569	738	528	
Income tax	132	118	132	118	
Net profit from					
discontinued operations	606	451	606	410	

Cash flows provided by the discontinued operation during the six-month period ended 30 June 2017 and 2016 were as follows:

	Conso	lidated	Bank	only
	2017	2016	2017	2016
		(in mil	lion Baht)	
Net cash provided by (used in)				
operating activities	(6,189)	3,730	(6,189)	3,730
	(6,189)	3,730	(6,189)	3,730

18 Assets and liabilities of disposal group classified as held for sale

The details of assets and liabilities of discontinued operation classified as held for sale as of 30 June 2017 and 31 December 2016 were as follows:

	Consolidated and			
	Bank only			
	30 June 2017	31 December 2016		
	(in mill	ion Baht)		
Assets of disposal group classified				
as held for sale - Retail Banking				
Cash	-	46		
Loans to customers and accrued interest receivables - net	36,633	39,579		
Premises and equipment, net	6	6		
Other assets, net	16	22		
	36,655	39,653		
Assets of disposal group classified		,		
as held for sale - other	30	<u>-</u>		
Total	36,685	39,653		
Liabilities of disposal group classified as held for sale- Retail Banking				
Deposits	23,816	33,623		
Liability payable on demand	23,010	15		
Other liabilities	985	892		
		-		
Total	24,801	34,530		

Cumulative income or expense recognised in other comprehensive income

There is no cumulative income or expense recognised in other comprehensive income relating to the disposal group classified as held for sale.

19 Other assets

	Consolidated		Ban	k only
	30 June	31 December	30 June	31 December
	2017	2016	2017	2016
		(in mill	ion Baht)	
Accrued interest and income				
receivable	169	182	169	182
Prepayments	48	50	48	50
Leasehold premises, net	2	14	2	14
Other receivable	158	152	158	152
Others	113	98	107	91
Total	490	496	484	489

20 Deposits

20.1 Classified by type of deposits

	Consolidated		Bai	nk only
	30 June	31 December	30 June	31 December
	2017	2016	2017	2016
		(in milli	on Baht)	
Current	3,795	3,594	3,795	3,595
Savings	43,632	41,049	43,675	41,091
Term				
- Less than 6 months	16,566	4,677	16,566	4,677
- 6 months to less than 1 year	336	1,807	336	1,807
- 1 year and over	11	1,010	11	1,010
Total	64,340	52,137	64,383	52,180

20.2 Classified by currency and residence of depositors

			Conso	lidated		
		30 June 2017		31	December 2010	5
	Domestic	Foreign	Total	Domestic	Foreign	Total
		_	(in milli	ion Baht)	_	
Thai Baht	55,517	1,034	56,551	39,701	1,380	41,081
US Dollar	6,728	565	7,293	9,488	807	10,295
Other currencies	379	117	496	597	164	761
Total	62,624	1,716	64,340	49,786	2,351	52,137
			Banl	k only		
		30 June 2017	Banl	•	December 2010	6
	Domestic	30 June 2017 Foreign	Banl Total	•	December 2010 Foreign	6 Total
	Domestic		Total	31		_
Thai Baht	Domestic 55,560		Total	31 Domestic		_
Thai Baht US Dollar		Foreign	Total (in milli	31 Domestic ion Baht)	Foreign	Total
	55,560	Foreign 1,034	Total (in milli 56,594	31 Domestic ion Baht) 39,744	Foreign 1,380	Total 41,124

21 Interbank and money market items (liabilities)

		Co	onsolidated a	and Bank or	nly	
	30 June 2017			31 December 2016		
	At call	Term	Total	At call	Term	Total
			(in millio	on Baht)		
Domestic						
Commercial banks	2,600	2,379	4,979	310	1,592	1,902
Special financial institutions	450	-	450	2,000	4,000	6,000
Other financial institutions	7,131	4,504	11,635	7,073	4,526	11,599
Total domestic	10,181	6,883	17,064	9,383	10,118	19,501
Foreign						
US Dollar	2	1,699	1,701	406	-	406
Thai Baht	7,449	_	7,449	8,138	-	8,138
Japanese Yen	12	_	12	3	-	3
Chinese Yuan	-	8	8	-	-	-
Total foreign	7,463	1,707	9,170	8,547		8,547
Total domestic and foreign	17,644	8,590	26,234	17,930	10,118	28,048

As at 30 June 2017, structured notes that are not designated at fair value in the consolidated and Bank only financial statements amounted to Baht 4,504 million (31 December 2016: Baht 4,525 million).

22 Debt issued and borrowings

As at 30 June 2017 and 31 December 2016, debt issued and borrowings balances are denominated in Thai Baht with terms as follows:

	Consolidated and Bank only					
		30 June 20)17		31 December	2016
	Maturity	Interest rate	Amount	Maturity	Interest rate	Amount
		(%)	(in million Baht)		(%)	(in million Baht)
Debentures	2017	0.90	2,226	2017	0.90	1,826
Structured notes	2017	1.09-1.28	1,053	2017	0.93-1.20	197
Total			3,279	•		2,023

As at 30 June 2017, structured notes that are not designated at fair value in the consolidated and Bank only financial statements amounted to Baht 1,053 million (31 December 2016: Baht 197 million).

23 Provisions

	Employee benefits	Consolidated Contingent liabilities (in million Baht)	Total
At 1 January 2016	444	97	541
Provisions made	57	4	61
Provisions used	(10)	(18)	(28)
Provision reversed	(83)	(41)	(124)
Transfer to liabilities of disposal group classified as held for sale	(6)	_	(6)
At 31 December 2016	(0)		(0)
and 1 January 2017	402	42	444
Provisions made	27	4	31
Provisions used	(8)	· -	(8)
Provision reversed	-	(8)	(8)
At 30 June 2017	421	38	459
110 00 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1			107
		Bank only	
	Employee		
	benefits	Contingent	
	obligation	liabilities	Total
		(in million Baht)	
At 1 January 2016	431	97	528
Provisions made	64	4	68
Provisions used	(10)	(18)	(28)
Provision reversed	(83)	(41)	(124)
At 31 December 2016			
and 1 January 2017	402	42	444
Provisions made	27	4	31
Provisions used	(8)	-	(8)
Provision reversed		(8)	(8)
At 30 June 2017	421	38	459

24 Accounts payable from purchase of investments

Accounts payable from purchase of investments arise as a result of the Bank accounting for these transactions at the trade date while the settlement date occurs in the following period. These accounts payable occur in the normal course of the Bank's business.

25 Other liabilities

	Consolidated and Bank only		
	30 June 2017	31 December 2016	
	(in m	illion Baht)	
Withholding tax payables	152	160	
VAT payable	59	11	
Other payables	330	420	
Accrued interest payable	94	92	
Others	426	607	
Total	1,061	1,290	

26 Share capital

	Consolidated and Bank only				
	Par value	20	17	20	16
	per share	Number	Amount	Number	Amount
	(in Baht)	(ii	n million share	s / million Bal	ht)
Authorised					
At 1 January - ordinary shares	10	1,484	14,843	1,484	14,843
At 30 June - ordinary shares	10	1,484	14,843	1,484	14,843
Terrord and maid am					
Issued and paid-up	10	1 404	1 4 005	1 40 4	1.4.025
At 1 January - ordinary shares	10	1,484	14,837	1,484	14,837
At 30 June - ordinary shares	10	1,484	14,837	1,484	14,837

Share premium

Section 51 of the Public Limited Company Act B.E. 2535 requires the Bank to set aside share subscription monies received in excess of the par value of the shares issued to a reserve account ("share premium"). Share premium is not available for dividend distribution.

27 Reserves

Reserves comprise:

Appropriations of profit and/or retained earnings

Legal reserve

Section 116 of the Public Companies Act B.E. 2535 and under the provision of the Civil and Commercial Code, requires that the Bank and its subsidiary shall allocate not less than 5% of its annual net profit, less any accumulated losses brought forward, to a reserve account ("legal reserve"), until this account reaches an amount not less than 10% of the registered authorised capital. The legal reserve is not available for dividend distribution.

Other reserves

Fair value change in available-for-sale investments

The fair value change in available-for-sale investments account within equity comprises the cumulative net changes in the fair value of available-for-sale investments until the investments are derecognised or impaired.

Cash flow hedges

The cash flow hedges account within equity comprise the cumulative net change in the fair value of effective cash flow hedges related to hedged transactions that have not yet occurred.

28 Assets pledged as collateral

Assets pledged as collateral as of 30 June 2017 and 31 December 2016 consisted of:

		Consolidated and Bank on		
		30 June	31 December	
	Note	2017	2016	
		(in mill	ion Baht)	
Government bonds				
- Pledged as collateral for intraday liquidity		54	-	
- Pledged as collateral against repurchase transactions		2,623	313	
- Pledged as collateral for derivatives	30	150	1,971	
Total		2,827	2,284	

29 Contingent liabilities

	Consolidated and Bank only		
	30 June	31 December	
	2017	2016	
	(in millio	on Baht)	
Guarantees of loans	273	217	
Letters of credit	1,270	1,057	
Other contingencies			
- Unused credit line of overdrafts	627	785	
- Other letters of guarantee	22,429	22,933	
- Committed line	40,285	34,052	
	63,341	57,770	
Total	64,884	59,044	

Litigation

As at 30 June 2017, the Bank has received claims in respect of letters of guarantee and other items from the Bank's customers totaling Baht 56 million (excluding interest) (31 December 2016: Baht 46 million) and the lawsuit is under court process. As at 30 June 2017, the Bank has recorded provision for possible loss from these claims of Baht 4 million (31 December 2016: Baht 0.2 million).

30 Related parties

For the purposes of these financial statements, parties are considered to be related to the Bank if the Bank has the ability, directly or indirectly, to control or jointly control the party or exercise significant influence over the party in making financial and operating decisions, or vice versa, or where the Bank and the party are subject to common control or common significant influence. Related parties may be individuals or other entities.

Relationships with key management and other related parties were as follows:

Name of entity/Personnel Key management personnel	Country of incorporation/ nationality Thailand / Foreign	Nature of relationship Persons having authority and responsibility for planning, directing and controlling the activities of the Bank, directly or indirectly, including any director (whether executive or otherwise) of the Bank and its subsidiary				
Standard Chartered PLC	United Kingdom	Ultimate parent company of the Bank and its subsidiary				
Standard Chartered Bank	United Kingdom	Immediate parent company of the Bank				
Thai Exclusive Leasing Company Limited (*)	Thailand	Subsidiary, 99.9% shareholding				
Standard Chartered (Thailand) Company Limited (*)	Thailand	Affiliated company of Standard Chartered Group				
Resolution Alliance Limited	Thailand	Affiliated company of Standard Chartered Group				
Scope International Private Limited	India	Affiliated company of Standard Chartered Group				
Scope International (Malaysia) Sendirian Berhad	Malaysia	Affiliated company of Standard Chartered Group				
Scope International (China) Company Limited	China	Affiliated company of Standard Chartered Group				

^(*) The entities were registered for dissolution on 23 December 2016 and is currently under liquidation process.

The pricing policies for particular types of transactions are explained further below:

Transactions	Pricing policies
Interest rate	Based on market rate
Services	Contractually agreed price
Derivatives	Based on market price

Significant transactions for the six-month period ended 30 June 2017 and 2016 with key management and other related parties were as follows:

	Conso	lidated	Bank	Bank only			
Six-month period ended 30 June	2017	2016	2017	2016			
	(in million Baht)						
Interest income	113	59	113	100			
Losses on trading and foreign exchange							
transactions, net	(1,231)	(1,644)	(1,231)	(1,644)			
Service agreements	261	286	261	286			
Others	76	86	85	109			

Significant balances and business transactions with executives and other related parties

Significant balances and business transactions with executive directors and authorised management, including their related parties and business entities in which the Bank, its directors or key management, including their related parties hold 10% or more of the paid up capital as of 30 June 2017 and 31 December 2016 were as follows:

	(Consolidated an	d Bank only		
	30 Jun	e 2017	31 December 2016		
	Ending		Ending		
	balance	Average	balance	Average	
		(in millior	ı Baht)		
Loans to customers and accrued interest					
receivable					
To executive directors and					
authorised management, including					
their related parties	1,873	1,880	1,893	1,890	
Deposits					
From executive directors and					
authorised management, including					
their related parties	101	110	107	136	
then related parties			107		
	Conso	olidated	Bank	only	
	30 June	31 December	30 June	31 December	
	2017	2016	2017	2016	
		(in million	(Baht)		
Interbank and money market items (assets)					
Standard Chartered Group	21,717	20,381	21,717	20,381	
Derivative assets (marked to market value)	. = 0.4				
Standard Chartered Group	4,782	5,214	4,782	5,214	
Consuments hands Disdard as collateral					
Governments bonds - Pledged as collateral for derivatives					
Standard Chartered Group	150	1,971	150	1,971	
Standard Chartered Group	150	1,9/1	150	1,9/1	
Other assets					
Standard Chartered Group	32	53	32	53	
r					
Deposits					
Others	355	364	398	408	
Interbank and money market items					
(liabilities)					
Standard Chartered Group	2,591	988	2,591	988	

	Consolidated 30 June 31 December 2017 2016		30 June 2017	k only 31 December 2016
Derivative liabilities (fair value) Standard Chartered Group	4,798	(in million 6,795	4,798	6,795
Collateral from Credit Support Annex Standard Chartered Group	44		44	
Accrued expenses Standard Chartered Group Others Total	968 10 978	1,572 10 1,582	968 10 978	1,572 10 1,582
Other liabilities Standard Chartered Group	139	161	139	161
Other letters of guarantee Standard Chartered Group	13,445	13,086	13,445	13,086
Derivatives (notional amount) - Foreign currency related Standard Chartered Group	112,728	116,922	112,728	116,922
Derivatives (notional amount) - Interest rate related				
Standard Chartered Group	209,988	235,923	209,988	235,923
Derivatives (notional amount) - Commodities Standard Chartered Group	8,112	5,209	8,112	5,209
	Consol		Bank	
Six-month period ended 30 June	2017	2016 (in million	2017 <i>Baht</i>)	2016
Key management personnel Short-term employee benefits	171	204	171	194
Post-employment benefits Share-based payments	6 4	6 5	6 4	6 5
Total key management personnel compensation	181	215	181	205

Directors' and executives' benefits

The Bank has not paid any benefits to its directors and executives other than those in the normal course of business such as salary, executives' bonuses and directors' remuneration approved at a Shareholders' Meeting. Directors nominated by Standard Chartered PLC have waived directors' fees.

Significant agreements with related parties

(a) Services agreement

In 2011, the Bank entered into a services agreement with Standard Chartered Bank-UK relating to the provision of certain advisory and other services to the Bank by Standard Chartered Bank-UK. The fees payable by the Bank to Standard Chartered Bank-UK under the advisory and services agreement are based on an allocation of actual costs plus a margin, in accordance with the terms in the agreement.

(b) Shared support function

The Bank entered into a services agreement with Standard Chartered (Thailand) Company Limited and Thai Exclusive Leasing Company Limited related to the provision of support functions. The Bank will provide support service functions in the areas of Human Resources, Finance and Accounting, Information Technology, Legal, Compliance, Secretariat, Consumer Banking Operations and other upon request services for Internal Audit and Corporate Affairs. The fees are charged monthly and are based on the actual costs incurred plus a margin, in accordance with the terms in the agreement.

(c) Outsourcing services

In 2002 until present, the Bank entered into service agreements with related parties for certain accounting and financial processing activities, information technology support, and other related activities. The fees are based on the terms of the agreements which include actual cost, actual cost plus margin, fixed cost per transaction and other agreed fees.

31 Non-cancellable operating lease agreements

The Bank and its subsidiary have entered into operating lease and service agreements of premises and property, office equipments and vehicles for the periods ranging from 1 year to 30 years. The period to maturity of long-term lease payments is as follows:

	Consolidated and Bank only				
	30 June	31 December			
	2017	2016			
	(in million Baht)				
Within one year	34	65			
After one year but within five years	59	99			
After five years	7	8			
Total	100	172			

32 Segment information

Client segments

The business in Thailand, consists of three client segments, namely Corporate and Institutional Banking (CIB), Commercial Banking (CB), and Retail Banking (RB) as follows;

- "Corporate and Institutional Banking" (CIB) comprises International Corporates (major multinational corporations and large business groups which have sophisticated, cross-border needs requiring high levels of international service); and Financial Institutions (Banks, Investor clients, Insurance companies, Broker, Dealers, Public Sector names (including Bank of Thailand, Sovereign Wealth Funds and Development Organisations) and other types of financial institutions).
- "Commercial Banking" (CB) comprises Commercial Clients that are medium-sized businesses and Local Corporates that are typically clients with operations in three geographies or less
- "Retail Banking" (RB) comprises Priority Clients, managing and servicing high value segment
 customers and delivering a distinct and differentiated customer experience to them; Personal &
 Preferred clients, providing banking products and services to a broader consumer market; and
 Small Business Clients, serving small business clients, sole proprietors and private companies,
 offering solutions such as working capital, business expansion, businesses protection and yield
 enhancement.

Activities not directly related to a client segment are included in "Central and other items" which mainly include Asset and Liability Management and unallocated central costs. This segment information is reported in a manner consistent with the internal performance framework as presented to the Bank's management.

Geographical segments

The Bank and its subsidiary operate only in Thailand. Accordingly, no geographical segment information is disclosed.

By client segment

	-	rate and nal Banking	Commercia	ıl Banking	Retail Ba	nking(*)	Central a	and other ms	Elimin	nations	Conso	lidated
Six-month period ended 30 June	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016
						(in million	Baht)					
Net interest income	385	506	129	119	1,321	1,625	366	281	-	-	2,201	2,531
Other income	824	992	87	88	143	161	77	443		(22)	1,131	1,662
Operating income	1,209	1,498	216	207	1,464	1,786	443	724	-	(22)	3,332	4,193
Operating expenses	(929)	(869)	(267)	(277)	(942)	(1,209)	-	(38)	-	22	(2,138)	(2,371)
Operating profit (loss) before impairment loss of loans, debt securities and taxation	280	629	(51)	(70)	522	577	443	686			1,194	1,822
Impairment loss of loans and debt securities (reversal of)		136	252	7	(109)	(478)					143	(335)
Profit (loss) from operations before income tax	280	765	201	(63)	413	99	443	686			1,337	1,487
Segment assets as at 30 June 2017 / 31 December 2016	70,816	59,063	12,630	11,689	36,989	39,986	66,702	79,921			187,137	190,659

^(*) classification as discontinued operation (Note17)

33 Interest income

	Consol	idated	Bank only		
Six-month period ended 30 June	2017 2016		2017	2016	
_			(Restated)		
		ı Baht)			
Interbank and money market items	519	518	519	518	
Investments and trading transactions	93	56	93	56	
Investments in debt securities	206	132	206	132	
Investments in receivables	-	177	-	-	
Loans to customers	547	531	547	553	
Total	1,365	1,414	1,365	1,259	

34 Interest expenses

	Consolidated a	nd Bank only
Six-month period ended 30 June	2017	2016
		(Restated)
	(in millio	n Baht)
Deposits	244	237
Interbank and money market items	129	135
Contribution to Deposits Protection		
Agency and Financial Institutions		
Development Fund	259	262
Debt issued and borrowings	15	14
Total	647	648

35 Net fees and service income

	Consolidated Ba			only
Six-month period ended 30 June	2017	2016	2017	2016
		(Restated)		(Restated)
		(in millio	n Baht)	
Fees and service income				
- Acceptance, avals and guarantees	68	76	68	76
- Transaction fees	199	180	199	180
- Others	208	148	208	148
	475	404	475	404
Fees and service expenses				
- Commission fees	4	4	4	4
- Collection fees	-	22	-	-
- Others	75	69	75	69
	79	95	79	73
Net	396	309	396	331

36 Gains on trading and foreign exchange transactions, net

	Consolidated a	nd Bank only
Six-month period ended 30 June	2017	2016
		(Restated)
	(in millio	on Baht)
Gains (losses) on trading and foreign exchange transactions, net		
- Foreign currencies and foreign currency related derivatives	365	1,267
- Interest rate related derivatives	184	(417)
- Debt securities	72	77
- Others	(79)	(18)
Total	542	909
Gains (losses) on hedging transactions	52	(29)
Total	594	880

37 Gains (losses) on investments, net

	Consolid	lated	Bank only			
Six-month period ended 30 June	2017	2016	2017	2016		
•	(in million Baht)					
Gains (losses) on sales of Available-for-sale investments	(3)	258	(3)	258		
Impairment on investments in subsidiary	-	-	-	(8)		
Total	(3)	258	(3)	250		

38 Employee expenses

	Consoli	dated	Bank only		
Six-month period ended 30 June	2017 2016		2017	2016	
		(Restated)		(Restated)	
		(in million	Baht)		
Management					
Wages and salaries	103	114	103	110	
Post-employment benefits - defined					
benefit plans	5	5	5	5	
Share-based payment transactions	4	4	4	4	
Others	48	53	48	47	
- -	160	176	160	166	
Other employees					
Wages and salaries	415	447	415	435	
Post-employment benefits - defined					
benefit plans	14	14	14	14	
Share-based payment transactions	1	3	1	3	
Others	197	196	197	188	
	627	660	627	640	
Total	787	836	787	806	

The Bank and its subsidiary have established contributory provident fund for their employees. Membership of the fund is on a voluntary basis. Contributions are made monthly by the employees at rates ranging from 3% to 15% of their basic salaries and by the Bank and its subsidiary at 10% of the employees' basic salaries. The provident funds are registered with the Ministry of Finance as juristic entities and are managed by licensed Fund Managers.

39 Reversal of impairment loss of loans and debt securities

	Consolio	dated	Bank only		
Six-month period ended 30 June	2017 2016		2017	2016	
-		(Restated)		(Restated)	
	(in million Baht)				
Interbank and money market items	70	2	70	2	
Investment in receivables (reversal of)	-	(3)	-	_	
Loans to customers	(322)	(142)	(322)	(142)	
Total	(252)	(143)	(252)	(140)	

40 Income tax

Income tax recognised in profit or loss

		Consolidated		Bank only	
Six-month period ended 30 June	Note	2017	2016	2017	2016
			(in million	Baht)	
Current tax expense					
Current period		238	275	238	250
Under provided in prior years		65	119	65	121
	=	303	394	303	371
Deferred tax expense					
Movements in temporary differences		35	40	35	35
Over provided in prior periods		(28)	(8)	(28)	(9)
• •	15	7	32	7	26
Total	_	310	426	310	397
Distribution to					
- Income tax from continued operatio	n	178	308	178	279
- Income tax from discontinued opera	ition	132	118	132	118

Income tax recognised in other comprehensive income

	Consolidated and Bank only					
Six-month period ended						
30 June		2017			2016	
	Before	Tax	Net of	Before	Tax	Net of
	tax	benefit	tax	tax	benefit	tax
			(in million Baht)			
Cash flow hedges	(7)	1	(6)	51	(10)	41
Available-for-sale						
investments	182	(36)	146	(64)	13	(51)
Total	175	(35)	140	(13)	3	(10)

Reconciliation of effective tax rate

	Consolidated			
Six-month period ended 30 June	2017		2016	
	Rate	(in million	Rate	(in million
	(%)	Baht)	(%)	Baht)
Profit before income tax		1,336		1,487
Income tax using the Thai corporation tax rate	20	267	20	297
Tax effect of income and expenses that are not				
taxable income or not deductable in				
determining taxable profit, net		6		19
Under provided in prior years		37		110
Total	23	310	29	426

	Bank only			
Six-month period ended 30 June	2017		2016	
	Rate	(in million	Rate	(in million
	(%)	Baht)	(%)	Baht)
Profit before income tax		1,335		1,360
Income tax using the Thai corporation tax rate	20	267	20	272
Tax effect of income and expenses that are not				
taxable income or not deductable in				
determining taxable profit, net		6		13
Under provided in prior years		37		112
Total	23	310	29	397

Income tax reduction

On 4 March 2016, the Royal Thai Government Gazette issued Act No. 42 dated 3 March 2016 to grant the reduction of income tax rate from 30% to 20% of net taxable profit for the accounting period begins on or after 1 January 2016.

41 Basic earnings per share

The calculations of basic earnings per share for the six-month periods ended 30 June 2017 and 2016 were based on the profit for the periods attributable to equity holders of the Bank and the number of ordinary shares outstanding during the periods as follows:

	Consolidated		Bank only	
Six-month period ended 30 June	2017	2016	2017	2016
Profit for the periods attributable to equity holders of the Bank (basic) (in million Baht)	1,027	1,061	1,026	963
Number of ordinary shares outstanding (million shares)	1484	1,484	1,484	1,484
Basic earnings per share (in Baht)	0.69	0.72	0.69	0.65
Distribution to - Basic earnings from continued				
operation per share	0.28	0.41	0.28	0.37
 Basic earnings from discontinued operation per share 	0.41	0.31	0.41	0.28

42 Dividends

At the annual general meeting of the shareholders of the Bank held on 28 April 2017, the shareholders approved the appropriation of a dividend of Baht 0.26 per share, amounting to Baht 386 million. The dividends were paid to shareholders in May 2017.

At the annual general meeting of the shareholders of the Bank held on 22 April 2016, the shareholders approved the appropriation of a dividend of Baht 0.12 per share, amounting to Baht 178 million. The dividends were paid to shareholders in May 2016.