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# **Standard Chartered Bank (Thai) PCL**

## **Pillar 3 Disclosures**

**30 June 2017**

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Registered Office: 90 North Sathorn Road, Silom Bangkok, 10500, Thailand

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## **Overview**

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During 2013, the Bank of Thailand (“BOT”) published the notifications re. Disclosure of Capital Maintenance of Commercial Banks and Disclosure of Capital Maintenance of Commercial Banks under Consolidation which are based on “Basel III: A global regulatory framework for more resilient banks and banking systems” (Revised Version: June 2011) from the Basel Committee on Banking Supervision (“BCBS”). The objectives of these notifications (commonly referred to as “Basel III”) are to strengthen capital rules with the goal of promoting a more resilient banking sector. The objective of the reforms is to improve the banking sector’s ability to absorb shocks arising from financial and economic stress, whatever the source, thus reducing the risk of spillover from the financial sector to the real economy.

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## **1. Scope of Basel III Framework**

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### **Pillar 1: Minimum Capital Requirement**

The BOT has approved Standard Chartered Bank (Thai) PCL (“the Bank”) to adopt the AIRB approach which is more advanced Risk Management Framework for the measurement of credit risk capital and under the notification, the Bank has been using AIRB approach for the credit risk capital calculation as regulatory capital since December 2009.

The Bank is also required to calculate a capital charge to cover market risk and operational risk for which the Bank applies the Standardised Approach.

### **Pillar 2: Supervisory Review Process**

Pillar 2 requires banks to undertake a comprehensive assessment of their risks and to determine the appropriate amounts of capital to be held against these risks where other suitable mitigants are not available. This risk and capital assessment is commonly referred to as an Internal Capital Adequacy Assessment Process (“ICAAP”) which covers much broader risk types than Pillar 1, which cover only credit risk, market risk, and operational risk.

The Bank has developed an ICAAP policy and framework which closely integrates the risk and capital assessment processes, and ensures that adequate levels of capital are maintained to support The Bank’s current and projected demand for capital under expected and stressed conditions.

Under Pillar 2, the BOT would undertake a review of the Banks’ ICAAP. This is referred to as the Supervisory Review and Evaluation Process (“SREP”).

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**Pillar 3: Market Discipline**

Pillar 3 aims to provide a consistent and comprehensive disclosure framework that enhances comparability between banks and further promotes improvements in risk practices. According to the BOT notification, The Bank is required to disclose the data and information relative to risk profile, risk management and capital funds.

The Bank has implemented a Pillar 3 policy and procedure framework to address the requirements laid down for Pillar 3 disclosure. The information provided has been reviewed and validated by senior management and the Risk Committee. In accordance with the Bank policy, the Pillar 3 disclosure will be published on the Standard Chartered Bank (Thai) PCL - website [www.sc.com/th](http://www.sc.com/th).

The BOT has also set the frequency of disclosure on semi-annual basis and annual basis. Quantitative data of Capital Structure & Adequacy and Market risk will be disclosed on a semi-annual basis. Whereas, the full Pillar 3 disclosures will be made annually on both qualitative and quantitative data

## **2. Scope of Application**

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In compliance with the requirement under Basel III Pillar 3 and sets of the BOT's disclosure requirements, the Bank has developed a set of disclosures for its position (Solo basis) as at 30 June 2017 covering the following areas:

Qualitative and quantitative data for Capital and the minimum capital requirement for Credit risk, Market risk, Operational risk, and Equity in Banking Book exposure under AIRB.

### **3. Capital Management**

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

The Bank's capital planning is dynamic and regularly refreshed to reflect the business forecasts as they evolve during the course of each year. The strategy-setting and planning is presented to the Board on an annual basis with regularly update on the financial outlook and performance as to the capital adequacy is aligned with the business plan. The capital plan takes the following into account:

- Current regulatory capital requirements and The Bank's assessment of on-going regulatory expectation.
- Demand for capital due to business growth forecasts, loan impairment outlook and market shocks or stresses.
- Forecast demand for capital to support credit ratings and as a signaling tool to the market
- Available supply of capital and capital raising options.

The Asset and Liabilities Management Committee ("ALCO") as appointed by Executive Committee ("EXCO") is responsible for the management of capital and liquidity and the establishment of and compliance with policies relating to balance sheet management, including management of the Bank's liquidity and capital adequacy.

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**3.1 Capital Structure**

The Bank maintains capital to meet the minimum regulatory capital requirements set by the BOT. In addition, the Bank assess its capital adequacy to support current and future business activities.

The following table is a breakdown of total regulatory capital of the Bank as at 30 June 2017, comparing with the position of the Bank as at 31 December 2016.

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**Table 1: Capital Structure**

	Unit: Million Baht	
	30-Jun-17	31-Dec-16
<b>Tier 1 Capital</b>		
Paid up share capital	14,837	14,837
Share premium account	9,056	9,056
Legal reserve	1,096	1,075
Net profit after appropriation	13,202	13,189
Accumulated other comprehensive income	(48)	(120)
Item of reserve arising from business combination under common control, shareholders' equity which shall be regarded as CET 1	-	-
Other adjustment items which not effected capital fund	11	5
Deductions from Common Equity Tier1	(960)	(984)
<b>Total Common Equity Tier 1 (CET1)</b>	<b>37,194</b>	<b>37,058</b>
Additional Tier 1 (AT1)	-	-
<b>Total Tier 1 Capital</b>	<b>37,194</b>	<b>37,058</b>
<b>Tier 2 Capital</b>		
General Provision for normal/performing loans	76	238
Surplus of provision	563	498
<b>Total Tier 2 Capital</b>	<b>639</b>	<b>736</b>
<b>Total Regulatory Capital</b>	<b>37,833</b>	<b>37,794</b>

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**3.2 Capital Source**

The Bank's Tier 1 Capital consist of Common Equity Tier 1 which are issued and paid up share capital & premium, statutory reserve, net profit after appropriation and other components of shareholders' equity & regulatory adjustment. There is no additional tier 1.

The Bank's Tier 2 Capital comprise of the general provision for normal performing loans and surplus of provision.

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**Table 2: Reconciliation of Regulatory Capital to Financial Statement**

Unit: Million Baht			
Capital related items as of 30 June 2017	Statement of Financial Position as in published financial statements	Statement of Financial Position as per Balance Sheet	References
<b>Assets</b>			
Cash	289	289	
Interbank and money market items, net	57,636	57,636	
Derivative assets	18,335	18,335	
Investments, net	32,263	32,263	
Investments in subsidiaries	48	48	
Loans to customers and accrued interest receivable, net <sup>/1</sup>			
Loans to customers	41,996	80,800	
Accrued interest receivable	110	260	
Total loans to customers and accrued interest Receivable <sup>/1</sup>	42,106	81,060	
Less allowance for doubtful accounts <sup>/1</sup>	(5,526)	(7,846)	
Total loans to customers and accrued interest receivable, net <sup>/1</sup>	36,580	73,214	
Customer's liability under acceptances	440	440	
Properties for sale, net <sup>/1</sup>	-	30	
Premises and equipment, net <sup>/1</sup>	368	374	
Intangible assets, net	96	96	G <sup>/3</sup>
Deferred tax assets	883	883	H
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	
Assets of disposal group classified as held for sales <sup>/1</sup>	36,685	-	
Other assets, net <sup>/1</sup>	485	500	
<b>Total assets</b>	<b>187,178</b>	<b>187,178</b>	

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Unit: Million Baht			
Capital related items as of 30 June 2017	Statement of Financial Position as in published financial statements	Statement of Financial Position as per Balance Sheet	References
<b>Liabilities</b>			
Deposits <sup>/1</sup>	64,383	88,199	
Interbank and money market items	26,234	26,234	
Liabilities payable on demand	1,324	1,324	
Liabilities to deliver security	3,423	3,423	
Derivative liabilities	16,028	16,028	
Debt issued and borrowings	3,279	3,279	
Bank's liability under acceptances	440	440	
Provisions	459	459	
Accounts payable from purchase of investments	887	887	
Collateral from Credit Support Annex agreements and margin payables from private repo transactions	2,118	2,052	
Accrued expenses	3,515	3,515	
Liabilities of disposal group classified as held for sales <sup>/1</sup>	24,801	-	
Other liabilities <sup>/1</sup>	1,061	2,112	
<b>Total liabilities</b>	<b>147,952</b>	<b>147,952</b>	

<sup>/1</sup> Discontinued Operation: In 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 amount presented in Assets and Liabilities of disposal group classified as held for sales is discontinued operation on retail banking part.

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Unit: Million Baht			
Capital related items as of 30 June 2017	Statement of Financial Position as in published financial statements	Statement of Financial Position as per Balance Sheet	References
<b>Equity</b>			
Share capital			
Authorised share capital	14,843	14,843	
Issued and paid-up share capital	14,837	14,837	A
Premium on share capital	9,056	9,056	B
Other reserves			
Fair value change in available -for-sale investments	(46)	(46)	E <sup>2</sup>
Cash flow hedges	(11)	(11)	F
Total other reserves	(57)	(57)	
Retained earnings			
Appropriated			
Legal reserve	1,096	1,096	C
Unappropriated			
Unappropriated retained earnings	1,026	1,026	
Net profit after appropriation	13,268	13,268	D
Total Unappropriated	14,294	14,294	
<b>Total equity</b>	<b>39,226</b>	<b>39,226</b>	
<b>Total liabilities and equity</b>	<b>187,178</b>	<b>187,178</b>	

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		Unit: Million Baht
Items	Component of regulatory capital	References base on Statement of Financial Position as per Balance Sheet
<b>Common Equity Tier 1 Capital (CET1)</b>		
Issued and paid-up share capital	14,837	A
Premium on share capital	9,056	B
Legal reserve	1,096	C
Net profit after appropriation	13,202	D
Other reserves		
Fair value change in available -for-sale investments	(37)	E <sup>/2</sup>
Cash flow hedges	(11)	F
Total CET1 capital before regulatory adjustments and deduction	38,143	
Regulatory adjustments on CET1		
Cash flow hedges	11	F
Regulatory deduction on CET1		
Intangible assets	(77)	G <sup>/3</sup>
Deferred tax assets	(883)	H
Total Common Equity Tier 1 (CET1)	37,194	
Additional Tier 1 (AT1)	-	
<b>Total Tier 1 capital</b>	<b>37,194</b>	
<b>Tier 2 Capital</b>		
General Provision under SA	76	
Surplus of provision	563	
<b>Total Tier 2 capital</b>	<b>639</b>	
<b>Total Regulatory capital</b>	<b>37,833</b>	

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**Table 3: Basel III Capital during transitional period**

Unit: Million Baht		
<b>Capital Amount as at 30 June 2017</b>	<b>Capital value</b>	<b>Net value of items during transitional phase</b>
<b>Tier 1 Capital</b>		
Common Equity Tier 1 Capital	38,143	(9) <sup>2/</sup>
Total regulatory adjustments to CET1	11	
Total regulatory deduction to CET1	(960)	(19) <sup>3/</sup>
<b>Total Common Equity Tier 1 Capital (CET1)</b>	<b>37,194</b>	
Additional Tier 1 Capital (AT1)	-	
<b>Total Tier 1 Capital</b>	<b>37,194</b>	
<b>Tier 2 Capital</b>	<b>639</b>	
<b>Total Regulatory Capital</b>	<b>37,833</b>	

<sup>2/</sup> From 1 January 2014, gain/(loss) from fair value change in available -for-sale investments shall be gradually included in/(deducted from) CET1 for 5 years by 20%, 40%, 60%, 80% and 100%. And after 2018, it shall be included in/(deducted from) CET 1 for the whole amount.

<sup>3/</sup> From 1 January 2014, intangible assets shall be gradually deducted from CET1 for 5 years by 20%, 40%, 60%, 80% and 100%. And after 2018, it shall be deducted from CET 1 for the whole amount.

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**3.3 Capital Adequacy**

Under the BOT guidelines, the Bank is required to maintain a minimum ratio of total capital to risk weighted assets of 8.50%<sup>1/</sup>, with the minimum ratio of Common Equity Tier 1 and tier 1 capital to risk weighted assets at 4.50%<sup>1/</sup> and 6.00%<sup>1/</sup>, respectively.

Total Capital Adequacy Ratios of the Bank as at 30 June 2017 was 27.92%. CET1 Ratios was 27.45% and Tier 1 Capital Ratios was 27.45% which exceeded minimum requirements of the BOT.

**Table 4: Capital Adequacy**

		Unit: Percent	
	<b>BOT Minimum Requirement</b>	<b>30-Jun-17</b>	<b>31-Dec-16</b>
Total capital funds to risk weighted assets	8.50	27.92	26.31
Common Equity Tier 1 capital funds to risk weighted assets	4.50	27.45	25.80
Tier 1 capital funds to risk weighted assets	6.00	27.45	25.80
Capital conservation buffer (CCB) <sup>1/</sup>	1.25		
Total capital funds to risk weighted assets, including CCB <sup>1/</sup>	9.75	27.92	26.31

<sup>1/</sup> From 1 January 2016, Capital conservation buffer under BOT guidelines shall be gradually added to minimum capital requirement by 0.625% per annum for 4 years. And after 1 January 2019, the minimum requirement plus conservation buffer for total capital ratio, CET 1 ratio, and Tier 1 capital ratio shall be 11%, 7%, and 8.5%, respectively.

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**3.4 Minimum Capital Requirement**

The Bank maintain minimum capital in line with the BOT's requirement. Table 5 shows the breakdown of minimum Capital requirement for Credit Risk, Market Risk and Operational risk of the Bank as at 30 June 2017.

**Table 5: Minimum Capital Requirement**

Unit: Million Baht

	30-Jun-17	31-Dec-16
Credit Risk	8,496	8,672
Market Risk	1,649	2,038
Operational Risk	1,372	1,499
<b>Total Minimum Capital Requirements</b>	<b>11,517</b>	<b>12,209</b>

**AIRB Adoption**

The Bank use AIRB approach to calculate credit risk for material portfolios whilst SA approach is applied to portfolios that are classified as permanently exempt from the AIRB approach as well as those portfolios that are currently under transition to the AIRB approach.

The following tables show Minimum Capital Requirement for Credit Risk Classified by Asset Classes under AIRB (table 6), Minimum Capital Requirement for Credit Risk Classified by Asset Classes under SA (table 7) and Minimum Capital Requirement for Equity Exposure under AIRB (table 8).

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**Table 6: Minimum Capital Requirement for Credit Risk Classified by Asset Classes under AIRB**

Asset Class	Unit: Million Baht	
	30-Jun-17	31-Dec-16
<b>Non-Default exposures</b>		
Claims on sovereigns, financial institutions and Corporates	5,944	5,692
Claims on retail portfolios		
-Claims on residential mortgage	603	-
-Qualifying revolving retail exposures	768	823
-Other retail exposures	379	307
Equity exposures	5	5
Other assets	68	74
<b>Default exposures</b>	216	158
<b>First-to-default credit derivatives and Securitization</b>	-	-
<b>Total minimum capital requirement for credit risk – AIRB</b>	<b>7,983</b>	<b>7,059</b>

Minimum capital requirement for credit risk under AIRB for the Bank increased by THB 924 million, mainly due to increase in non-default exposures of claims on residential mortgage by THB 603 million because of the Bank changed credit risk calculation method of claims on residential mortgage from SA to AIRB in February 2017.

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**Table 7: Minimum Capital Requirement for Credit Risk Classified by Asset Classes under SA**

Unit: Million Baht		
<b>Asset Class</b>	<b>30-Jun-17</b>	<b>31-Dec-16</b>
<b>Non-Default exposures</b>		
Claims on sovereigns and central banks, MDBs and PSEs treated as claims on sovereigns	-	-
Claims on financial institutions, PSEs treated as claims on financial institutions, and securities firms	-	-
Claims on corporates, PSEs treated as claims on corporate	177	221
Claims on retail portfolios	330	594
Claims on residential mortgage	1	734
Other assets	-	-
<b>Default exposures</b>	<b>5</b>	<b>64</b>
<b>First-to-default credit derivatives and Securitization</b>	<b>-</b>	<b>-</b>
<b>Total minimum capital requirement for credit risk – SA</b>	<b>513</b>	<b>1,613</b>

Note: PSEs (non-central government public sector entities) is provincial administrations, government entities, and state enterprises

Total minimum capital requirement for credit risk under SA approach for the Bank decreased by THB 1,100 million, mainly due to decrease in non-default exposures of claims on residential mortgage because of the Bank changed credit risk calculation method of claims on residential mortgage from SA to AIRB in February 2017.

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**Table 8: Minimum Capital Requirement for Equity Exposure under AIRB**

Unit: Million Baht		
Item	30-Jun-17	31-Dec-16
Equity exposure exempted from credit risk calculation by IRB	5	5
Equity exposure subject to the IRB approach		
1. Equity holdings subject to the Market-based approach		
1.1 Simple Risk Weight Approach	-	-
1.2 Internal Model Approach (for equity exposure in non-trading book (banking book))	-	-
2. Equity holdings subject to a PD/LGD approach	-	-
<b>Total minimum capital requirement for equity exposure – AIRB</b>	<b>5</b>	<b>5</b>

Total minimum capital requirement for equity exposure under AIRB approach for the Bank remained constant.

## **4. Market Risk**

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Market risk is the potential for loss of earnings or economic value due to adverse changes in financial market prices or rates. The Bank's exposure to market risk arises predominantly from providing clients access to financial markets, facilitation of which entails the Bank's taking moderate market risk positions. Market risk also arises in the non-trading book ("banking book") from the requirement to hold a large liquidity assets buffer of higher quality liquid debt securities and from the translation of non-Thai baht denominated assets, liabilities and earnings. The objective of the Bank's market risk policies and processes is to achieve the optimal balance of risk and return while meeting customers' requirements.

The Bank transacts in the money market, foreign exchange markets and capital markets giving rise to market risk exposures. Other financial instruments undertaken include debt and other securities and certain financial derivative instruments. Derivative instruments are contracts whose characteristics and value are derived from underlying financial instruments, interest rates, exchange rates, or indices. They include futures, forwards, swaps, and options transactions in the foreign exchange and interest rate markets. Derivative contracts entered into by the Bank are primarily over-the-counter derivatives.

The Bank has established market risk management policies and framework, including limit setting, monitoring and reporting and control procedures, which are reviewed regularly by the relevant committees – ALCO, Risk Committee and the Board. Market risk limits are proposed by the business within the terms of agreed policy. Risk officers and relevant committees review and approve the limits within delegated authorities, and monitor exposures against these limits. Risks are monitored against limits on a daily basis.

The primary categories of market risk for the Bank are:

- Interest rate risk: arising from changes in yield curves, credit spreads and implied volatilities on interest rate options;
- Currency exchange rate risk: arising from changes in exchange rates and implied volatilities on foreign exchange options; and
- 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.

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The BOT specifies minimum capital requirements against market risk in the trading book. Interest rate risk in the non-trading book (“banking book”) is covered separately under the Pillar 2 framework.

The minimum regulatory market risk capital requirements for the trading book are presented below.

**TABLE 9: Minimum Capital Requirement for each Type of Market Risk under the SA Approach**

Type of Risk	Unit: Million Baht	
	30-Jun-17	31-Dec-16
Interest Rate Risk	1,487	1,360
Equity Position Risk	-	-
Foreign Exchange Rate Risk	162	678
Commodity Risk	-	-
<b>Total Minimum Capital Requirements</b>	<b>1,649</b>	<b>2,038</b>

The Bank is required to have THB 1,649 million total capitals against Market Risk. Comparing with December 2016, the decrease of THB 389 million is mainly due to Foreign Exchange Rate Risk.

## **5. Acronyms**

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AIRB	Advanced Internal Ratings Based
ALCO	Asset and Liabilities Management Committee
BCBS	Basel Committee on Banking Supervision
BOT	The Bank of Thailand
EXCO	Executive Committee
ICAAP	Internal Capital Adequacy Assessment Process
IRB	Internal Ratings Based
LGD	Loss Given Default
MDBs	Multilateral Development Banks
PD	Probability of Default
PSEs	Non-central government Public Sector Entities
SA	Standardized Approach
SCBT	Standard Chartered Bank (Thai) PCL
SREP	Supervisory Review and Evaluation Process