

Principles for a Fair and Effective Financial Market for the Malaysian Financial Market

Applicable to: All Financial Market Participants

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PART A OVERVIEW

1 Introduction

- 1.1 Financial markets remain a critical component of the economy, providing a key conduit through which savings and investments can be efficiently allocated between economic sectors and agents. An important element that needs to exist to allow financial markets to function effectively is an environment of confidence and trust that market participants' activities can be undertaken in a fair and competitive setting.
- 1.2 Over time, financial markets have grown increasingly complex with highly sophisticated instruments and strategies. Market players have also evolved, driven by the changing environment and regulatory landscape. In some cases, the creation of adverse incentives have led market participants to abuse their positions and take advantage of information asymmetries for unfair and dishonest financial gains. In certain segments of the financial market, activities have also become more opaque. This has led to a public trust deficit fuelled by the significant amount of volatility and uncertainty, which has the potential to impair the function and effectiveness of the financial market.
- 1.3 Malaysia has a highly open and accessible financial market. To date, it has shown a significant degree of resilience against external shocks and sharp movements of capital flows. Nevertheless, vulnerabilities to speculative investment flows and, at times, uncompetitive market behaviours have led to sharp volatilities and price misalignments. This has been compounded by market participants who have engaged in questionable activities and conduct.
- 1.4 It is against this backdrop that the Principles for a Fair and Effective Financial Market for the Malaysian Financial Market (Principles) is introduced. This is in line with recent global efforts to restore integrity and trust in financial markets by reviewing and setting new standards of best market practices, raising the level of professionalism and enforcing regulation. The Principles also takes into account Malaysia's structural difference as an emerging market, which may require different approaches compared to that of advanced markets. For a market such as Malaysia, it is important that the Principles also promote and preserve a state of balance in the financial market between various interest groups while supporting fair play and market-driven outcomes.
- 1.5 The aim of the Principles is to achieve a financial market environment that is trusted, competitive, resilient and best positioned to support the sustainable growth of the Malaysian economy. The Principles will provide broad guidance such that it can be universally internalised and applied by all market participants in the form of their own internal codes of conduct, guidelines, organisational and governance structures, as well as in their financial market activities.

2 The Global Context

- 2.1 Several high-profile scandals have led to a heightened global movement to review the current state of play in international financial markets. These cases culminated in large fines, criminal lawsuits and losses running into billions of US dollars. It also brought into question the integrity, reliability and effectiveness of the financial market in serving the best interests of market participants and the economy ultimately contributing to an overall environment of diminished public trust in the financial system.
- 2.2 Two of the largest scandals involved the manipulation of key financial market benchmarks, namely the London Interbank Offered Rate (Libor)¹, an interest rate benchmark, and the World Markets Company (WM Company)/Thomson Reuters (WM/Reuters) exchange rate fix. These benchmarks were considered among the most reliable and widely used in its class, having a significant role in pricing an estimated USD450 trillion² and USD5.3 trillion³ of transactions respectively, prior to the uncovering of the scandals. Both cases highlighted a series of flaws that went unchecked and opened it to abuse by irresponsible market participants.
- 2.3 Weaknesses in the design of key financial benchmarks
 - (a) Following these scandals, independent reviews into the structure of major financial benchmarks have revealed important weaknesses that could have led to the creation of adverse incentives and the manipulation of key benchmark rates. According to the Wheatley Review of Libor⁴, "the highest risk of misconduct occurs in the contribution of submissions to Libor", which were at the time unregulated under any prevailing laws, not independent as it relied too heavily on participating banks and their own industry organisation⁵ and were not transparently supported by actual transactions data.⁶ These structural deficiencies have inadvertently given the opportunity for traders of participating banks to collude by submitting false rates to artificially inflate or deflate the final Libor rate to their own advantage.

¹ Libor is an indicator of the average interest rate at which banks (that contribute to the determination of Libor) are willing to lend to each other in the short-term interbank market. It is also a widely used global benchmark for short-term interest rates, mainly to price financial contracts and instruments. Panel banks submit their individual Libor rates daily at 11 a.m. and these rates are averaged and published as the prevailing Libor rate for the day by Thomson Reuters.

² The Wheatley Review (2012).

³ Based on trade volume per day in the global FX market. "Currency Trade Reaches \$5.3 Trillion a Day Amid Yen Turnover", Bloomberg News, 6 September 2013.

⁴ The Wheatley Review (2012).

⁵ Prior to the Wheatley reforms, the Libor were administered by the British Bankers Association, a trade association for the UK banking and financial services sector. This administrative role has since been transferred to Intercontinental Exchange (ICE).

⁶ Libor submissions were instead based on a panel of banks estimates of funding rates.

- (b) Similarly related are the opportunities for market malpractice linked to the structure of trading around benchmark foreign exchange (FX) rates. This was highlighted in the Final Report on Foreign Exchange Benchmarks by the Financial Services Board (FSB) in 2014, focusing particularly on the WM/Reuters 4pm London fix. The findings of the report showed that the calculation methodology of the WM/Reuters benchmark rate, which is based on actual trades captured within a 30 second window on either side of the fixing time, could create incentives for dealers to influence the exchange rate - by collusion or inappropriate sharing of information - to try to ensure that the market price at the fix generates a rate which ensures a profit from the fix trading. This practice was widely reported in the media when the FX fixing scandal surfaced, where FX traders colluded to concentrate their orders around the fixing window so that they could influence the benchmark rate higher or lower.⁷ To overcome this issue, the FSB recommended the fixing window be extended from its current width of one minute to five minutes to incorporate an adequate number of observations and reduce the chances of manipulation, which has since been taken aboard by WM Company.
- 2.4 Poor internal governance structures and lack of surveillance
 - (a) Banks and firms that were involved in these scandals were also reported to have displayed a serious lack of professionalism and revealed weaknesses in the governance structure such that the trading desks were allowed to pursue profits at their own discretion without having in place proper checks and balances. The Fair and Effective Markets Review⁸ (FEMR) reported that senior managers became increasingly remote and unaccountable for the maintenance of standards in day-to-day trading operations while facing few apparent consequences for failing to ensure that teams upheld best market practices. In addition, the high profitability of trading desks also seemed to have caused a shift in power from management teams towards trading staff in terms of risk management.
 - (b) The FEMR also highlighted that these trends were apparent in many of the investigations by the Financial Conduct Authority (FCA).

"For example, FCA enforcement notices in relation to the attempted manipulation of Libor identified weak or non-existent oversight of trading staff in banks and brokers, and a lack of clearly defined individual responsibilities. FCA enforcement notices on misconduct in foreign exchange (FX) markets showed that voluntary codes in FX and other markets had not been translated into meaningful internal guidance within firms. And trading staff in different firms attempted to collude in order to manipulate markets, against the interests both of

⁷ "Traders Said to Rig Currency Rates to Profit Off Clients." Bloomberg News, 11 June 2013.

⁸ Fair and Effective Markets Review (2015), a collaborative report by the Bank of England, HM Treasury and the Financial Conduct Authority UK.

the markets at large and, in some cases, their firms"

- (c) One final enforcement notice by the FCA to Barclays Bank PLC dated May 2015 stated that Barclays relied primarily on its front-office FX business to identify, assess and manage risks, leading to attempts to manipulate the WM/Reuters and the European Central Bank (ECB) fix rates in collusion with other traders.⁹
- 2.5 Disregard of best market practices and culture of impunity
 - (a) Transcripts of dealers' instant messages in electronic chatrooms underlined a problem beyond just the fact that this medium of communication was being abused. More serious in nature was the fact that there exists a culture of impunity among those involved in benchmark manipulation, where dealers had knowledge that they were indeed acting against best market practices but without fear of detection or punishment. Transcripts from chatrooms named 'The Cartel', 'The Mafia' and 'The A team' revealed that dealers adopted an array of strategies to manipulate the FX fixing rate, including transferring orders in a particular currency pair to co-conspirators to increase 'ammo' to maximise their impact on the fix.¹⁰
 - (b) Excerpts from documents published by the US Commodity Futures and Trading Commission (CFTC) and the Department of Financial Services New York, exemplify these behaviours:

Manipulation of Libor	Manipulation of FX benchmark
"If you need something in particular in the libors i.e. you have an interest in a high or a low fix let me know and there's a high chance i'll be able to go in a different level. Just give me a shout the day before or send an email	<i>"I saved 500* for last second"</i> <i>"I had 500 to jam it."</i> <i>*Referring to the €500m he had to unload</i> <i>at the time of the fix, in an attempt to</i> <i>manipulate the ECB reference rate.</i>
from your blackberry first thing." -USD Libor Submitter- March 2005 ¹¹	-Head of Barclays' FX spot desk- January 2012 ¹²

⁹ Final Notice to Barclays Bank PLC (2015), Financial Conduct Authority UK.

¹⁰ "Cartel' Chat Room Traders Boasted of Whacking FX Market", Bloomberg News, 12 November 2014.

¹¹ Examples of Misconduct from Written Communications, US Commodity Futures Trading Commission.

- 2.6 Possible lack of regulatory oversight and action
 - (a) Certain evidences were brought to light during the height of the Libor scandal that suggested regulators may have been made aware of the potential manipulation as early as 2007, raising controversy and public outcry. Transcripts released by the Federal Reserve Bank of New York (NY Fed) on 13 July 2012¹³ in response to a congressional request for information on Barclays' involvement in the scandal was summarised in a press release and includes the highlights below.
 - (i) Suggestions that some banks could be underreporting their Libor in order to avoid appearing weak were present in anecdotal reports and emails, including a December 2007 phone call with Barclays noting that reported Libor appeared unrealistically low.
 - (ii) A Barclays' employee explained to the NY Fed that Barclays was underreporting its rate to "avoid the stigma" associated with being an outlier with respect to its Libor submissions, relative to other participating banks. The Barclays employee also stated that "in his opinion other participating banks were also underreporting their Libor submissions".
 - (iii) Briefing notes on these developments were produced and was circulated to senior officials at the NY Fed, the Federal Reserve Board of Governors, other Federal Reserve Banks, and US Department of Treasury.
 - (iv) On 1 June 2008, Tim Geithner, at the time President of NY Fed, emailed Mervyn King, the Governor of the Bank of England, a report titled "Recommendations for Enhancing the Credibility of LIBOR." Mr. King then confirmed to Mr. Geithner that he had brought the recommendations to the attention of the British Bankers Association.
- 2.7 While some form of action had evidently been taken by the authorities back then, it was perceived by the media and public as slow in resolving the problem.^{14,15} In any case, despite the revelations that occurred since 2007, legal action and proper reforms only started in 2012.
- 2.8 Given the sheer size of the global interest rate and FX markets, as well as the financial contracts linked to Libor and the FX fixing rate, the losses arising from these scandals were financially substantial and could have also spilled over to a diverse set of market participants. Global banks involved in

¹² "NYDFS Announces Barclays to Pay \$2.4 Billion, Terminate Employees for Conspiring to Manipulate Spot FX Trading Market", New York Department of Financial Services, 20 May 2015.

¹³ "New York Fed Responds to Congressional Request for Information on Barclays - LIBOR Matter", Federal Reserve Bank of New York, 13 July 2012.

¹⁴ LIBOR Rigging: What the Regulators Saw (but Didn't Shut Down)", Time, 16 July 2012.

¹⁵ "Insight: Fed Knew of Libor Issue in 2007-08, Proposed Reforms", Reuters, 10 July 2012.

Libor manipulation were estimated to have paid up to USD9 billion in fines while the six banks involved in the FX fixing scandal were fined in total USD5.6 billion as at 2015.¹⁶

2.9 The financial fallout experienced by other participants as a result of Libor and FX benchmark rigging is hard to estimate. Class action lawsuits were taken against banks by a range of plaintiffs, including investors, municipal governments and home-owners - all citing large losses as their Libor-linked financial contracts were affected by the artificial rates. Large US municipalities that issued bonds, most of which used interest rate swaps to hedge against interest rate movements, have claimed that the Libor manipulation have caused their interest rate swaps payments that they were supposed to receive to be smaller.¹⁷ This loss is estimated to be at USD6 billion not including the USD4 billion needed to unwind their position following the scandal.¹⁸ Homeowners filed charges claiming that they had to pay higher mortgages as banks pushed the Libor higher on days when the mortgage were readjusted. In the FX market, the losses caused by the FX rigging for Britain's pension holders is estimated to be at USD11.5 billion a year.1

3 The Regional and Domestic Context

- 3.1 The region itself is not isolated from market participants' behaviours that pose risks to the integrity and well-functioning of the financial market. The most notable case that caught global attention occurred in June 2013, where a year-long review into the activities of banks and traders conducted by the Monetary Authority of Singapore (MAS) over the period of 2007 to 2011 revealed market behaviours that compromised the interest rate and foreign exchange benchmarks used in Singapore.²⁰ This involved the Singapore Interbank Offered Rate (SIBOR), Swap Offered Rate (SOR) and the foreign exchange spot benchmarks that were used to settle non-deliverable forward (NDF) contracts.
- 3.2 While the review found no conclusive evidence that these benchmarks were successfully manipulated, it led to the censure of 20 banks that were found to have "deficiencies in the governance, risk management, internal controls, and

¹⁶ "This Is the First Person to Be Tried in The Libor-Rigging Case", Bloomberg News, 6 May 2015 and "Six banks fined \$5.6 billion over rigging of foreign exchange markets", Financial Times, 20 May 2015.

¹⁷ Municipalities issuing variable interest rate bonds hedge their exposure by entering into an interest rate swap contract with swap providers. When the interest rate rises, the cost of these bonds increase and the swap providers would compensate by paying the increased cost. These swaps are however, linked to Libor and when banks submitted artificially low rates, payments received by these municipalities also artificially decreased causing them a loss of the forgone payments.

¹⁸ "Rigged libor hits states-localities with \$6 Billion", Bloomberg News, 8 October 2012.

¹⁹ "New Banking Scandal Could Cost Savers Billions", The Bureau of Investigative Journalism, 4 December 2014.

²⁰ Monetary Authority of Singapore (2013)

surveillance systems for their involvement in benchmark submissions". It also led to the enforcement of disciplinary actions, taken on a total of 133 traders that have "engaged in attempts to inappropriately influence the benchmarks". MAS, on its part, proposed a new regulatory framework for financial benchmarks that involved specific civil and criminal sanctions on benchmark manipulation incorporated into the Securities and Futures Act and subjected key financial benchmarks to regulatory oversight.

3.3 Malaysia's financial markets were also impacted by the manipulation of financial benchmarks. Formal investigations conducted by the Australian Competition and Consumer Commission (ACCC) that came to light in late 2016 charged two Australian banks with severe fines of up to USD11 million for collusive activities to manipulate the offshore Association of Banks in Singapore (ABS) ringgit fixing rate for forward contracts. The investigations revealed that there were several attempts by traders at Macquarie Bank Ltd. and the Australia and New Zealand Banking Group Ltd. (ANZ) communicating via private online chat rooms to make high or low submissions to the ABS with the purpose of influencing the rate to benefit from their positions taken in the financial market.

Fixing rate manipulation on ringgit market transactions

Prior to August 2015, offshore banks would typically execute their offsetting or arbitraging of their ringgit non-deliverable forward book in the onshore market with onshore banks. Such orders would be instructed to be undertaken at the 11 a.m. fixing rate, which at the time was an offshore rate that some of these banks were able to influence via their own or friendly parties' submissions. Onshore banks would execute the orders in the onshore market near or around the fixing time but would be caught by surprise when the offshore fixing rate turned out to diverge regularly due to the manipulation.

In view of this uncertainty surrounding the integrity of this offshore fixing, Bank Negara Malaysia had instructed all onshore banks to execute orders based on onshore rates and the onshore reference rate only, which is under the oversight of Bank Negara Malaysia.

3.4 The Malaysian case highlights a rather prominent feature of some regional financial markets where adverse incentives are created and speculative activities take place in offshore markets, with the potential of affecting the onshore financial market environment. These activities manifest in the offshore currency non-deliverable forward (NDF) market, where it has been estimated that 60-80 percent of the volume are generated by speculative interest.²¹ These activities tend to intensify during periods of ringgit depreciation, observable through the large divergence between the offshore

²¹ Lipscomb, Laura (2005), "An Overview of Non-Deliverable Foreign Exchange Forward Markets", Bank for International Settlements.

and onshore pricing of the MYR/USD rate. The speculative activities were particularly evident following the outcome of the US elections in November 2016 where the offshore rate was pricing in a weaker rate by as much as 7% compared to the onshore spot rate (Chart 1). Furthermore, during the period, much of the trading activities and volatility in the ringgit were concentrated prior to the offshore USD/MYR rate fixing time, indicative of position-squaring by FX traders, driven by NDF transactions.

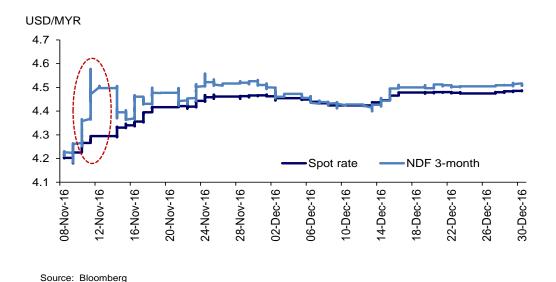


Chart 1: Ringgit Intraday Prices in the Offshore and Onshore Market

3.5 The spillovers from the offshore NDF market onto the domestic foreign exchange market were pervasive. The large deviation of the ringgit offshore rate from the onshore spot rate highlighted a broken pricing mechanism that was becoming out of sync with the real trade and investment activities of the economy and was instead driven by investor sentiments. Domestic players were also observed to have taken cues from the offshore rate in determining

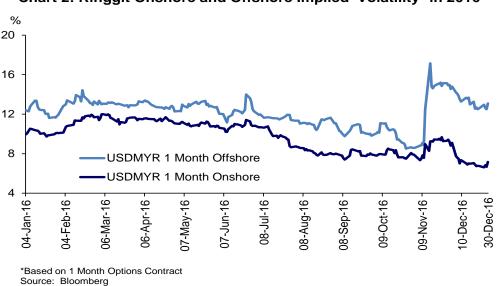


Chart 2: Ringgit Onshore and Offshore Implied Volatility* in 2016

the opening price of the ringgit, causing heightened volatility in the onshore FX market and further distorting the price discovery process.

In fact, post-US elections, the offshore implied volatility of the ringgit was significantly higher than the one onshore, highlighting potential volatility spillovers from the offshore NDF market during periods of uncertainty (Chart 2).

3.6 Developments in the offshore NDF market had compromised the fairness and effectiveness of the domestic FX market. Furthermore, these activities were able to find its way via domestic players, in spite of Malaysia's long-standing policy of non-internationalisation of the ringgit and non-recognition of the offshore NDF market. In response to this, Bank Negara Malaysia took steps to reinforce its non-internationalisation of the ringgit policy, improve the onshore pricing mechanism and further develop the domestic FX market. Domestic financial institutions were reminded against guoting onshore ringgit opening prices that were referenced against offshore prices, and were required to conduct a robust due diligence and know-vour-customer process to enable them to better detect transactions that could be NDF-related. The domestic price fixing mechanism was enhanced with the introduction of the KL USD/MYR reference rate, which uses transaction data in the determination of the reference rate. Furthermore, the Financial Markets Committee (FMC), a regulator-industry committee under Bank Negara Malaysia, have been mandated to develop strategies to further develop and deepen the domestic financial market, including reviewing the policy frameworks, recommend flexibilities and new financial instruments to facilitate trade and investment transactions onshore.

Financial Markets Committee (FMC)

A high level committee formed in May 2016 comprising Bank Negara Malaysia, industry and the key stakeholders to serve as a platform to broaden industry engagement in discussing strategies, issues and challenges affecting the onshore financial market development.

Financial Market Association of Malaysia, Malaysian Association of Corporate Treasurers, Life Insurance Association of Malaysia and Malaysian Association of Assets Manager are represented at the FMC and the subcommittees for the FX and bond market.

Following its formation, the FMC has introduced a number of initiatives for the onshore financial market development.

In protecting the integrity and promoting stability in the onshore foreign exchange market, the FMC introduced a new reference rate, called the KL USD/MYR reference rate, which uses transactions data instead of being based on quotations under the previous fixing methodology. While the new methodology adopted global best practices, it also helped to address the pervasive impact of offshore speculative activities on the onshore FX market and ringgit exchange rate stability. In particular,

it reduced the vulnerability of the onshore reference rate from speculative transactions arising from the offshore NDF market. It was observed that such influence at times were heavily one-sided, which subjected the reference rate to significant volatility from NDF market activities. The NDF market, in contrast to the transparent and well-regulated onshore financial market, is opaque and unregulated. This allowed speculative interest to drive the market, resulting in the ensuing disruptive market behavior which caused negative spillover effects on the onshore financial market.

The FMC also focused on other aspects of the onshore financial market with the introduction of a new series of market development initiatives in December 2016.

The initiatives aimed to broaden and deepen the onshore financial market by allowing greater hedging flexibilities for both residents and non-residents under the current Foreign Exchange Administration (FEA) rules, while at the same time sought to rebalance the onshore ringgit and FX demand and supply in the market. These initiatives were intended to promote a deeper, more transparent and well-functioning onshore financial market where genuine FX market participants can effectively hedge their market risk with greater flexibility in the onshore market.

The FMC will continue to monitor the development in the financial market and engage members and others stakeholders to introduce further measures, consistent with the aspiration of the Committee to create a highly developed, liquid and deep financial market in Malaysia that is commensurate with the growth of the economy and increasingly sophisticated needs of the users.

4 Global Responses to Restore Integrity and Trust in Financial Markets

- 4.1 The uncovering of serious financial market malpractices and offences that had sizeable impact and spillovers had deeply eroded public trust in the financial system. Given that an environment of trust is crucial to the well-functioning of financial markets, it led to significant efforts at the global level to not only identify and correct the structural flaws that made it conducive for these malpractices to take place, but to also review and set new standards of professionalism and best market practices while enhancing regulatory powers.
- 4.2 Major initiatives at the global level are coordinated by the Financial Stability Board (FSB) and involve various groups such as the International Organisation for Securities Commission (IOSCO), the Bank for International Settlements (BIS), central banks and various market and industry players. The FSB periodically issues progress reports that keep track of efforts to address emerging vulnerabilities from misconduct, which mainly cover the areas of market incentives and compensation structures, major financial benchmarks and improving standards of market practice. The FSB itself has produced reports on reforming major FX and interest rate benchmarks, which proposed recommendations to improve the structure and robustness of the benchmark to avoid manipulation and abuse.

Enhancing KLIBOR rate setting standards in line with global standards

In December 2016, following a review of the KLIBOR rate fixing process, Bank Negara Malaysia had issued enhanced standards to further strengthen the integrity of the KLIBOR reference rate setting process. The new enhanced standards, effective 1 January 2017, have been aligned with the latest international best practices under the Principles of Financial Benchmarks issued by the International Organization of Securities Commission (IOSCO Principles).

4.3 Important progress has also been made to formulate global principles for the FX market in an effort to harmonise the various FX codes of conduct across different jurisdictions and promote universal adoption and consistent application. In 2013, eight FX committees from major global financial centres adopted the Global Preamble²², aimed at providing a common set of reference principles for the various individual codes of conduct in these different jurisdictions.²³ Further work has been carried out by the Foreign Exchange Working Group (FXWG), coordinated by Bank for International Settlements (BIS) through the establishment of the FX Global Code. The FX Global Code covers market conduct in the areas deemed important to preserve trust in the FX market such as ethics, information sharing, governance, risk management and execution practices. The FX Global Code was released in May 2017²⁴. *Refer to Appendix I for further information.*

²² The Global Preamble (2015), *Various Global FX Committees*.

²³ The FX Committees include Australian Foreign Exchange Committee, Canadian Foreign Exchange Committee, ECB's Foreign Exchange Contact Group, Hong Kong Treasury Markets Association, London Foreign Exchange Joint Standing Committee, New York Foreign Exchange Committee, Singapore Foreign Exchange Market Committee, and Tokyo Foreign Exchange Market Committee.

²⁴ FX Global Code (2017), *FXWG*.

PART B THE PRINCIPLES FOR A FAIR AND EFFECTIVE FINANCIAL MARKET

5 Five Universal Principles and Specific Actions to Anchor the Evolution to a Fair and Effective Financial Market

- 5.1 Cases of market failure and malpractice in the international and regional financial markets highlight the pressing need to review the current environment and address weaknesses that enable or facilitate the creation of adverse incentives and improper conduct in the financial market. In this regard, Malaysia needs to establish a set of universal principles to serve as an anchor for market conduct and activities related to promoting the fair and effective functioning of financial markets, including development initiatives and regulatory oversight.
- 5.2 A principles-based approach is intended to be dynamic and adaptive to changing market structures or financial market conditions. It also allows flexibility in coverage and application, thus facilitating universal adoption by many parties. It provides flexibility for market participants to use their own judgement in applying these principles according to their own internal practices and circumstances. In addition, by focusing on outcomes, principles can overcome the drawbacks of more specific rules-based codes that can be more easily circumvented.²⁵
- 5.3 This paper proposes five universal principles for a fair and effective financial market as follows:
 - (a) Professionalism and Integrity;
 - (b) Transparency and Accountability;
 - (c) Competitive Environment;
 - (d) Good Internal Governance and Structure; and
 - (e) Compliance to Rules and Regulations.

6 The Outcome of a Fair and Effective and Financial Market

- 6.1 The overarching objective of the Principles is to have a financial market environment that is trusted, competitive, resilient and best positioned to support the sustainable growth of Malaysia's economy.
- 6.2 A fair financial market is where:
 - (a) There is universal adoption and application of best practices and codes of conduct by all participants;
 - (b) There are high degrees of transparency in pricing and activity, including

²⁵ These reasons have been outlined in other global initiatives that take a similar principles-based approach, such as the Fair and Effective Market Review (2015) and a speech by Guy Debelle (2017) on "The FX Global Code of Conduct – The Final Phase" at FX Week (Australia) 2017 Conference.

volume and participants;

- (c) The market is open and accessible, where all market participants are treated equally and able to fulfil their intended roles and responsibilities;
- (d) The market is competitive and free of collusion, rigging and manipulative practices; and
- (e) There is an environment of trust among participants to actively participate in the market with confidence.
- 6.3 An effective financial market would ensure:
 - (a) Investment, funding, risk management and other transactions are conducted in a predictable manner;
 - (b) Market participants are able to source available liquidity at a cost commensurate with the risk being undertaken;
 - (c) A state of balance between different interest groups, industries and real and financial sectors;
 - (d) Market resilience, where it is able to adjust to changing global circumstances and perform its economic functions even during periods of stress; and
 - (e) Consistent reporting to and engagement with authorities to support a well-functioning financial market.
- 6.4 The Principles is consistent with global standards and is drawn from the various established international codes of conduct, guidelines and rules. In addition, the Principles also take into account Malaysia's economic and financial market environment. These elements are embedded into the Principles and the specific actions that accompany it.

7 Recommendations for the Adoption of the Principles

- 7.1 The Principles has been adopted by the Financial Markets Committee (FMC), in line with its mandate to develop the domestic financial market and uphold the highest level of standards and integrity. The Principles is intended to be adopted at the national level as it touches all aspects of financial market activities.
- 7.2 The Principles should be universally applied and fully internalised by all parties that are participants in the Malaysian financial market. Given the diversity of market participants, proportionality should be considered when applying the Principles. However, proportionate applications should not compromise the highest level of market standards and best practices.
- 7.3 The Principles serves as a set of ideals on which rules and regulations issued by market authorities are based upon. Therefore, the Principles should be read alongside existing laws, regulations, rules and codes.

7.4 While it does not seek to replace any existing framework or structure of market best practices, the Principles provide an anchor for the various internal codes of conduct or ethics, governance structure and the behaviour of market participants. As of now, these internal guidelines and codes exist independently without a common anchor guideline. The Principles provide broad guidance that serves as a reference and therefore streamlines all the internal codes of conduct issued by market participants.

Acts	Authority/ Regulatory Bodies	Market Associations		Ratings, Accreditation and Training Bodies	Market Participants
Central Bank of Malaysia Act (2009)	BNM FMC	Financial Market Association (FMA)	Association of Islamic Banking Institutions Molectoic (AIPIM)	Asian Institute of Chartered Bankers (AICB)	Any entity participating in the wholesale financial
Financial Services Act (2013)	SC Anchor Guidelines Principles for a Fair and Effective Financial Market Code of Conduct for Wholesale Malaysia Financial Markets	Malaysian Association of Corporate	Malaysia (AIBIM) Federation of Investments	Financial Market Association Malaysia (FMA)	market, which includes banks, development financial
Islamic Financial Services Act		(MACT) Life Insurance Association	Managers Malaysia (FIMM) Malaysia Money Brokers Association Malaysian Investment Banking Association (MIBA)	Asian Banking School (ABS) Rating Agencies (RAM, MARC)	institutions, money- brokers, insurance companies, corporations, fund management companies, platform providers, etc.
(2013) Securities Commission Act (1993)		on Principles for a Fair and Effective Financial Association of			
Capital Markets and Services Act (2007)		(MAAM) Malaysian Takaful Association (MTA)		Association	
		Governed	by various internal g	guidelines, codes and b	est practices

Table 1: Financial Market Ecosystem in Malaysia*

*The table may not be fully representative of the entire ecosystem and merely serves to illustrate the position of the Principle in relation to the various acts, bodies and participants in the Malaysian financial market.

- 7.5 Going forward, these Principles should be fully assimilated into the culture and behaviour of market participants. Any new rules, regulations, codes and guidance that will be issued in the future should be in full accordance with the Principles.
- 7.6 The Principles are expected to evolve with developments in the Malaysian financial market. Hence, the Principles will be periodically reviewed and updated accordingly.
- 7.7 The Principles are also supplemented by more specific actions, which are by no means exhaustive and aims to inform market participants' implementation of the Principles and the behaviour expected under the Principles.

PART C ELABORATION ON THE PRINCIPLES

8 Principle 1: Professionalism and Integrity

Universal adoption of best market practices by all participants to uphold the highest standards of expertise, independence and conduct

- 8.1 The foundation of every financial market is the ethical and professional behaviours of its market participants. The way market participants behave in their engagements with the financial market would ultimately reflect the integrity, reliability and the level of trust for the financial market to perform its functions in a fair and effective manner. Best market practices should be universally adopted by all market participants at the institutional and individual levels.
- 8.2 At the institutional level, internal best practices or codes of conduct should be established based on internationally accepted standards. It is also the duty of the institution to ensure that their employees receive practical guidance and have a working knowledge of the regulations, codes and best practices that apply to their profession. Industry associations and accreditation and training bodies can play a major role in supporting the efforts of institutions in this regard, as standard setters and drivers of best practices.
- 8.3 At the individual level, standards of best practices set by their institutions should be internalised and demonstrated in day-to-day activities. Individuals participating in the financial market should always conduct their activities in a professional, fair, honest and transparent manner and avoid activities that could damage the reputation of their profession, institution and the integrity of the financial market as a whole.
- 8.4 Specific actions to Principle 1
 - (a) Market participants should create or update their own internal code of conduct and guidelines, drawing from the Principles, codes of conduct issued by regulators and relevant rules and regulations, to be disseminated to employees at all levels.
 - (b) Market participants should ensure that its employees meet a minimum standard of training and qualification and exhibit a working knowledge of current regulations, rules and codes of conduct.
 - (c) All individuals participating in the financial market should act professionally and honestly, including performing the necessary due diligence and regularly updating their skill sets, qualifications and understanding of best practices.
 - (d) Market associations and accreditation and training bodies should play key roles as drivers of best practices and standard setting for their industries.

9 **Principle 2: Transparency and Accountability**

Full transparency and accountability in all aspects of market participation

- 9.1 Full transparency and accountability in financial market activities is a crucial feature of a fair and effective financial market. Transparency in trading activities, prices, positions and purposes would allow market participants to make clear assessments of market conditions as well as sound judgements and decisions. This, in turn, allows the financial market to play its intermediation role more effectively.
- 9.2 A clear picture of the various components of market activity is also important to detect anomalies, emerging vulnerabilities and potential breaches in market conduct. This requires market participants to have robust information and processing systems to collect, analyse and disseminate information from back- to front-office operations. To preserve the integrity of the system, it is critical to ensure that this sharing of information is conducted within the boundaries of confidentiality and non-disclosure agreements.
- 9.3 Market participants should be held accountable for their actions and decisions when engaging in financial market activities. This should be clearly communicated to the board, senior management, dealers, analysts and all related personnel. Any actions by any employee of the institution that breach fair market practices and damage the profession and the integrity of the financial market will face reputational, regulatory and personal consequences that are proportionate and without fear or favour.
- 9.4 Specific actions to Principle 2
 - (a) Market participants should require employees to sign a document stating their understanding that they will be accountable for all their actions and decisions in the financial market.
 - (b) Any cases of misconduct or lack of transparency should be reported to the board of directors and senior management of the market participant immediately and remedial actions should be swiftly taken to resolve the problem.
 - (c) Market participants should practice truthful and transparent communications, including the disclosure of actual and potential conflicts of interest and risks associated with their activities in the financial market.

10 Principle 3: Competitive Environment

Market outcomes result from a competitive environment, and are not driven by collusive and manipulative activities

10.1 Enabling a competitive environment should be a priority as it allows equal opportunities for all market participants. Without competition, incentives are distorted and the price discovery process disrupted, affecting the well-functioning of the financial market. A financial market that is free from anti-

competitive behaviours such as collusion and price manipulation is one that engenders an environment of trust and inspires the confidence of market participants to transact in the financial market.

- 10.2 There are several key elements to ensure a competitive market environment, arising from the responsibilities of not just the market participant but also regulators.
 - (a) Markets should be open and accessible by having in place policies and best practices that are supportive of this.
 - (b) Market participants' pricing strategies should be in line with underlying economic fundamentals and commensurate with the risks being borne; and should eliminate factors that could result in price distortions.²⁶
 - (c) Market participants should not seek to profit from the unlawful sharing or misuse of confidential information and other non-public information.
 - (d) Communication strategies and technologies of market participants should be secure from potential confidential information leakages and be conducted in a way that respects the boundaries of confidentiality and non-disclosure agreements.
 - (e) Market participants should act in a way that is in the best interest of their clients and the integrity of the financial market as a whole, avoiding activities that can be construed as manipulation, abuse, fraud and anti-competitive.
- 10.3 Specific actions to Principle 3
 - (a) Market participants should ensure that prices are referenced to benchmark onshore rates and always reflect its true and fair value, based on underlying economic fundamentals.
 - (b) Market participants should respect standards of confidentiality and non-disclosure and take effective measures to prevent leakages of confidential information through employees' communication or the information technology used at the institution.
 - (c) Market authorities should issue rules and regulations that promote fair-play.
 - (d) Market authorities and participants should provide strong deterrents of misconduct in the form of legal repercussions, penalties, revocation of licenses or employment and other deterrents.

²⁶ This is in line with Principle 6 of the IOSCO Principles which underlines that benchmarks should "seek to achieve, and result in an accurate and reliable representation of the economic realities of the interest it seeks to measure, and eliminate factors that might result in a distortion of the price, rate, index or value of benchmark".

11 Principle 4: Good Internal Governance and Structure

Good governance and due diligence are in place, supported by robust internal surveillance and reporting mechanisms

- 11.1 The good governance and due diligence practices embedded within an organisation is critical in ensuring that market participants act in accordance with the Principles. This includes having board members that act and decide independently of the market participant, robust and clear policies and internal controls, and a sound organisational structure in place to promote responsible engagement in the financial market.
- 11.2 Market participants should always ensure that at every level, a due diligence process is in place and followed to maintain objectivity, identify conflicts of interest, appropriately assess a potential client's background and intentions, and comply with the necessary regulatory requirements.
- 11.3 Supporting this internal governance system is a robust internal surveillance and reporting mechanism that allow the detection and reporting of any potential misconduct or conflict of interest. There should be in place proper escalation procedures and whistle-blowing provisions that serve to highlight misconduct while protecting those who report them.
- 11.4 Specific actions to Principle 4
 - (a) Market participants should formalise a robust governance and due diligence process at every level of the institution, from board approval processes to front- and back-office operations.
 - (b) Market participants should have in place efficient and robust data capture processes for surveillance and monitoring purposes to assist in the pro-active identification of risks.
 - (c) Market participants should establish proper escalation procedures and whistleblowing policies to detect misconduct or conflicts of interest while ensuring that those who report wrongdoings are adequately protected.

12 Principle 5: Compliance to Rules and Regulations

Adherence to prevailing rules, regulations and market codes while extending full cooperation to the authorities

- 12.1 Market authorities play an important role in ensuring that the financial market performs its role fairly and effectively. Where the financial market is deficient with respect to the Principles and is not self-correcting, authorities and regulators should take the lead in enforcing regulations and catalysing reforms to maintain the resilience and well-functioning of the financial market.
- 12.2 Market participants must adhere to applicable rules, regulations and directives issued by market authorities and provide the necessary assistance

and information that allow market authorities to conduct their duties.

- 12.3 Two-way communication and regular engagements between regulators and market participants are important to strike a balance between regulation and allowing the market to operate efficiently. This cooperation should intensify during periods of financial market stress to swiftly address problems and issues that could affect the well-functioning of the financial market.
- 12.4 Specific Actions to Principle 5
 - (a) Market authorities should issue rules, regulations and guidelines pertaining to market conduct, and should stand ready to enforce regulations and catalyse reforms in a way that spurs financial market development and preserves the integrity of and trust in the market.
 - (b) Market participants should fully comply with rules and regulations, as well as rules that are introduced during periods where the fairness and effectiveness of the financial market is deemed compromised by market authorities.
 - (c) Market participants should ensure the timeliness and accuracy of information reported to market authorities.
 - (d) Regulator-market platforms for effective engagement should be encouraged to inform, deliberate and address topical issues, challenges and development strategies for the financial market.

APPENDICES

Appendix 1 Global Efforts to Restore Trust and Intergrity in Financial Markets

1. Financial Stability Board (FSB)

The FSB was established in 2009 with the purpose of promoting financial stability through the coordination of major initiatives globally. Since the members of FSB consist of policy makers from G20 countries and four other key financial centres, initiatives from FSB tend to garner support across sectors and jurisdictions, thus creating the necessary momentum required for the advancement of a coherent standard amid an interconnected global financial system.

In addressing the risks of misconduct in the financial markets, FSB, with the collaboration with other international standard-setters, have agreed on a list of measures to reduce misconduct risks²⁷ by:

- (a) Supporting the role of incentives (including compensation, corporate governance frameworks and enforcement) in reducing misconduct;
- (b) Addressing issues with benchmarks; and
- (c) Improving global standards of conduct in the fixed income, commodities and currency (FICC) markets.

FSB issued two reports on benchmarks to improve the standards of market practice, both of which have had substantial impact on the financial market.

2. Foreign Exchange Benchmarks

In early 2014, FSB established a Foreign Exchange Benchmarks Group (FXBG) in order to assess the market structure around FX benchmark fixing and associated market practices. In order to analyse market structure and incentives related to trading around benchmark fixings, the FXBG engaged with a range of market participants. Consequently, the group proposed a set of recommendations aimed at enhancing structures and behaviour around FX benchmark trading.²⁸

The most successful recommendation so far has been the enhancement of the WM Company's calculation of the 4pm London fix. FSB evaluated the impact of the widening of the calculation window from one to five-minutes and found that there is an "increasing trend towards dealer driven algorithmic execution during the fixing window and away from manual trading".²⁹ They also found that "trading volume around the fix is now more concentrated in

²⁷ Measures to Reduce Misconduct Risks: Second Progress Report (2016), *Financial Stability Board*

²⁸ Final Report on Foreign Exchange Benchmarks (2014), *Financial Stability Board*

²⁹ Foreign Exchange Benchmarks: Report on progress in implementing the September 2014 recommendations (2015), *Financial Stability Boar*d

the actual fixing window, with much less activity either side of the window, potentially as a result of both increased scrutiny around trading at the fix and the move towards algorithmic execution". This is in contrast to when the fixing window was one-minute wide, where trading volume was front-loaded and spiked at the beginning of the fixing window.

3. Reforming Major Interest Rate Benchmarks

In the same year (2014), FSB proposed several recommendations to enhance benchmarks for key interbank offered rates and promote the development and adoption of nearly risk-free benchmark rates. The report is an extension of the set of principles forwarded by IOSCO in 2013 to improve the robustness and integrity of financial market benchmarks, which were endorsed by the FSB as the global standard for financial market benchmarks.³⁰

Consequently, three major interest reference rates – the Euro Interbank Offered Rate (Euribor), London Interbank Offered Rate (Libor), and Tokyo Interbank Offered Rate (Tibor) initiated plans to consult various stakeholders in order to enhance the methodology and expand the number of transactions involved in rate setting, all in the hope of revamping their rates and tackling shortcomings in the design and governance of benchmarks.

4. The Global Preamble

The Global Preamble (Preamble) is the product of a collaborative effort by eight central-bank-sponsored foreign exchange committees³¹, which aimed at providing a common basis for their individual codes of conduct for the FX market. The Preamble highlighted that market participants are expected to have systems and controls in place to:

- (a) Develop and promote a strong culture of ethical behaviour and standards of conduct;
- (b) Promote awareness and use of general dealing practices, procedures, and conventions;
- (c) Ensure accurate and timely pre-trade preparation and trade capture;
- (d) Support robust and efficient back office operations including confirmation, netting, payment, and settlement; and
- (e) Mitigate risk in FX transactions from the point of initial discussion regarding a potential transaction to settlement.

The publication of the Global Preamble was an important step towards a consistent global framework for national level code of conduct.

³⁰ Principles for Financial Benchmarks: Final Report (2013), *IOSCO*

³¹ The FX Committees include Australian Foreign Exchange Committee, Canadian Foreign Exchange Committee, ECB's Foreign Exchange Contact Group, Hong Kong Treasury Markets Association, London Foreign Exchange Joint Standing Committee, New York Foreign Exchange Committee, Singapore Foreign Exchange Market Committee, and Tokyo Foreign Exchange Market Committee

5. The Fair and Effective Financial Markets Review (FEMR)

FEMR was announced by the UK government to restore confidence towards the Fixed Income, Currency and Commodity (FICC) markets. The review, which was launched in response of the LIBOR scandal, found six categories of causes of misconduct³²:

- (a) Market structures, such as the design of LIBOR, presented opportunities for abuse;
- (b) There is a lack of well understood and followed standards in certain unregulated markets;
- (c) The systems of internal governance and control at firms have been placing too much reliance on compliance staff and lawyers to get the right outcomes;
- (d) The competitive forces in the financial market are not working as well;
- (e) The design of remuneration and incentive structures that encourages short-term pursuit of profit; and
- (f) The culture of impunity in the financial markets which led to an 'ethical drift' where unacceptable behaviour had become the norm.

The review made a total of 21 recommendations to fix the root causes of the misconduct in FICC markets. The recommendations, which covers issues surrounding regulatory perimeter, market structures, individual accountability and use of market power, is directed at the UK authorities and government, international standard-setting bodies like the FSB and IOSCO and finally to firms themselves.

6. FX Global Code

The central bank governors of BIS established a Foreign Exchange Working Group (FXWG) to facilitate the development of a single global code of conduct or the FX market. The BIS FX Global code lays out a list of principles that encourages good practices in the wholesale foreign exchange market through the promotion of integrity and effective functioning of the wholesale FX market. Since the FX market is globally interconnected, the work to develop the Code is based on existing codes of best practices by various regional Foreign Exchange Committees. This incorporation of the existing codes of best practices have a global codes of best practices have a develop the code is based to by a wide range of market participants from all around the globe.

The FX Global Code³³ has six leading principles that cover:

(a) **Ethics**: Market participants are to behave professionally to encourage the integrity and fairness of the financial market;

³² Fair and Effective Financial Markets Review (2015), *Bank of England, HM Treasury and the Financial Conduct Authority UK.*

³³FX Global Code (2017), *FXWG*.

- (b) **Governance**: Market participants are to have clear policies and structure in place to ensure appropriate activities in the FX market;
- (c) **Information Sharing**: Market participants are expected to communicate clearly and protect confidential information;
- (d) **Execution**: Market participants should exercise the utmost care in order handling and execution;
- (e) **Risk Management and Compliance**: Market participants are to promote a robust compliance environment to ensure a pre-emptive identification and effective management of the risks associated with activities in the FX market; and
- (f) **Confirmation and Settlement Process**: Market participants must establish an efficient, transparent and risk-mitigating post trade process to promote an effective settlement of transactions in the FX market.

The FX Global Code was released in May 2017 and will be periodically reviewed.

Appendix 2 Glossary of Terms

Data capture refers to data collection activities through available information and processing systems.

Foreign Exchange (FX) benchmark is the standard FX reference rate commonly used by market participants as a quoted price in financial contracts, obtained from 'fixing' activities. An example of this is the WM/Reuters FX benchmark.

Fixing is the process of deriving a benchmark rate based on orders or trades taking place during a specified time window. For example, in the FX market, the WM Reuters fixing time is set at 4pm London time, where WM takes 5 minute snapshots of FX trades on either side of the fixing time as part of the process of determining the fixing rate.

Market participants refer to any entity participating in the wholesale financial market, which includes banks, development financial institutions, moneybrokers, insurance companies, corporations, fund management companies, platform providers, etc.

Management committee refers to a group of people which manages an organisation's affair, taking into consideration existing laws and good practices.

Market authorities refer to institutions and governing bodies responsible for the oversight of the financial market, which may include regulators and supervisory agencies.

Onshore rates refer to prices that are the outcome of domestic financial market activities.

Price misalignment refers to the deviation of price from its fair value, or the value at which it reflects the underlying fundamentals in an economy.

Price discovery refers to the process where market participants are able to determine the price of an instrument based on the demand and supply environment.

Interest rate benchmark is the interest rate that is widely referred to by market participants primarily to price financial contracts and securities. It is usually provided by a trusted source and reflects the minimum interest rate market participants are willing to accept/pay to enter into specific financial transactions. In the context of this paper, it refers to major floating interest rate benchmarks which include, among others, LIBOR, EURIBOR and KLIBOR.

Speculative investment flows are investment flows that are made with the intention to profit from the succesful anticipation of price movements of financial assets. It is a form of financial risk-taking that is not based on the

fundamental drivers of the asset in interest and is typically very volatile in nature.

WM/Reuters exchange rate fix is a service that provides spot and forward FX benchmark prices for currencies using data on actual transactions.

Front office refers to the client-facing roles within a firm. These include sales personnel, investment banker and traders. The term is often associated with the section within a firm that directly generates the firm's revenue.

Back office refers to the support and administrative functions within a firm. It usually carries function such as record maintenance, regulatory compliance, accounting and IT services. Back office personnel ensure smooth business operations and support front office works.

Internal code of conduct refers to standards for best practices written in a formal document as prepared internally by entities participating in the financial market.

Anti-competitive behaviours refers to any market practices that reduces competition, thus distorting incetives and leading to an inefficient market outcomes.

Regulator-market platform refers to an avenue of engagement between market authorities and market participants to review and develop policies and strategies for the financial market.

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