



Monetary Authority of Singapore

INTERNAL CONTROLS

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TABLE OF CONTENTS

Table of Contents	i
1 Introduction	1
1.1 Overview	1
1.2 Application of Guidelines	1
2 Control Environment	2
2.1 Policies and Procedures	2
2.2 Code of Conduct	2
2.3 Delegation of Authority	3
2.4 Segregation of Duties	4
2.5 Audit	4
2.6 Compliance	5
2.7 Mandatory Leave	6
2.8 Handling of Complaints	6
2.9 Staff Compensation	7
2.10 Recruitment	7
2.11 Staff Training and Education	7
3 Business Process Controls	9
3.1 Dealings with Customers	9
3.2 Operation of Accounts Policies	10
3.3 Legal Documentation	11
3.4 Accounting and Record Keeping	11
3.5 Management Information Systems	12
3.6 Physical Controls	13
3.7 Off-Premises and After Hours Trading	14
3.8 New Products/Business Lines/Activities	14
3.9 Valuation of Assets	15
3.10 Verification and Reconciliation	16
3.11 Confirmation	17
3.12 Settlement	18
Checklist Of Sound Practices To Adopt	I

1 INTRODUCTION

1.1 OVERVIEW

1.1.1 A system of effective internal controls is fundamental to the safe and sound management of institutions. Effective internal controls help an institution protect and enhance shareholders' value and reduce the possibility of unexpected losses or damage to its reputation.

1.1.2 Internal controls are the policies, procedures and processes established by the Board of Directors (Board) and senior management to provide reasonable assurance on the safety, effectiveness and efficiency of the institution's operations, the reliability of financial and managerial reporting, and compliance with regulatory requirements.

1.2 APPLICATION OF GUIDELINES

1.2.1 This chapter provides guidance on sound and prudent internal controls. The guidelines are not intended to be exhaustive nor do they prescribe a uniform set of requirements on internal controls for all institutions. The extent and degree to which an institution adopts these guidelines should be commensurate with the institution's risk and business profile.

1.2.2 This chapter is divided into two sections: control environment and business process controls. The first section outlines the key elements of the control environment, which sets the tone for the control culture of an institution and influences the control consciousness of its staff. The second section focuses on the internal controls in specific areas or activities within an institution.

2 CONTROL ENVIRONMENT

2.1 POLICIES AND PROCEDURES

2.1.1 An institution should have comprehensive and sound policies, approved by the Board, for prudent management of significant risks arising from its business activities and operations. The approved policies should be consistent with the nature, complexity and materiality of the institution's activities. There should be a clear delineation of roles, responsibilities and accountability for the implementation of consistent policies across the institution.

2.1.2 An institution should establish appropriate procedures and processes to implement its policies. These should be documented in procedural manuals. The manuals should be periodically reviewed to ensure that they reflect current practices. There should also be adequate systems to monitor compliance with established policies and procedures. Deviations from such policies and procedures should be independently investigated, reported and addressed by the relevant parties.

2.2 CODE OF CONDUCT

2.2.1 It is in the interest of an institution to conduct its activities with prudence and integrity. In this regard, the institution should establish a code of conduct that is commensurate with its structure and complexity of operations.

2.2.2 The code of conduct should state the ethical values of the institution and prescribe guidelines for employees to observe when discharging their duties. The code should cover areas such as acceptance of gifts and entertainment, conflicts of interest, safeguarding of confidentiality of information, and disclosure of and restrictions on personal investments.

2.2.3 In addition to general guidelines, an institution should prescribe specific guidelines for operations in functional areas such as investment banking, private banking and treasury. For instance, with regard to treasury and financial derivatives activities, there should be independent and close supervision over the conduct of dealers and their relationship with brokers. The institution should monitor the reason for using particular brokers, and ensure that trades are only conducted with approved brokers. There should be clear guidelines on the acceptance of entertainment and gifts from brokers.

Broker statements should be reviewed by staff independent of the trading function and proper records should be maintained on benefits received from brokers. Unusual trends in benefits or consideration received from brokers should be highlighted. The guidelines should also apply to dealings with customers who have frequent and sizeable transactions with the institution.

2.2.4 An institution should have adequate policies, procedures and controls to address conflict of interest situations. It should require employees to disclose, on a timely basis, such conflicts. These cases should be escalated to either the Board or senior management, and disclosed to customers where relevant. Dealers should not be trading for their personal accounts.

2.2.5 An institution should ensure that all personnel understand and adhere to the code of conduct. The code should come under the purview of a senior staff or an appropriate unit. Employees should be required to acknowledge in writing that they have read, understood and would observe the code. Disciplinary actions should be taken against those who breach the requirements.

2.2.6 The Board or senior management should periodically review the code of conduct in the light of changes in the internal and external environment.

2.3 DELEGATION OF AUTHORITY

2.3.1 An institution should clearly define the responsibilities and levels of authority required for the various types of activities and exposures. For example, approving limits assigned to personnel should be commensurate with their seniority and responsibilities.

2.3.2 Any delegation of authority should be clearly documented and should specify, among other things, the exact authority being delegated, the authority of recipients to further delegate authority, and the restrictions placed on the exercise of delegated authority. The institution should also have adequate monitoring systems to ensure that activities are properly authorised. Departures from the approval limit structure should be promptly reported to the Board and senior management.

2.4 SEGREGATION OF DUTIES

2.4.1 An institution should ensure that there is adequate segregation of duties to guard against the risk of unauthorised transactions, fraudulent activities and manipulation of data for personal gain or for concealment of irregularities or financial losses. It should have processes that restrict any one staff from being able to handle an entire transactional flow.

2.4.2 An institution should conduct periodic reviews of the responsibilities of key personnel to minimise areas of potential conflict of interest, and ensure that there are independent checks for proper segregation of duties. Inadequate segregation of duties could occur in, but are not limited to, the following instances where an individual has responsibility for:

- front office and risk management functions (e.g. credit marketing and credit administration);
- trade execution and operations functions (e.g. trade confirmation, trade settlement, reconciliation of front office and back office data on trades, reconciliation and accounting);
- approval for funds disbursement and the actual disbursement; and
- initiating and releasing payment instructions.

2.5 AUDIT

2.5.1 The Board usually delegates the oversight of the audit function to an Audit Committee. The Board should ensure that the members of the Audit Committee are suitably qualified to discharge their responsibilities. The terms of reference, composition, quorum and frequency of meeting of the Audit Committee should also be formalised and clearly documented.

2.5.2 The Audit Committee should carry out its duties in an objective and impartial manner. It should be empowered to review internal audit plans, evaluate the performance of auditors, decide on remuneration of auditors, and assess whether senior management has promptly rectified audit findings. It

should ensure that auditors possess the necessary experience and expertise, and are competent and independent of the areas under review. Auditors should be empowered to communicate directly with any personnel, and have access to all records, files or data necessary for the proper conduct of an audit.

2.5.3 Auditors are expected to audit the risk management process and internal controls periodically. They should vary the audit frequency according to the level of risk. The scope and frequency of internal audits should be increased if significant weaknesses are found or if there are significant changes to the risk oversight process, product lines, modeling methodologies, internal controls or risk profile. To facilitate the development of sound controls, auditors should be allowed to comment on the product and system development process at an early stage, though the level of their involvement should not compromise their independence or their ability to objectively review the new product or system subsequently.

2.5.4 Auditors are expected to evaluate the independence and effectiveness of the institution's approval process, risk management processes and internal control systems. They should also assess the soundness and adequacy of the accounting, operating, legal and risk controls, including compliance with risk limits and the reliability and timeliness of reports submitted to the Board and senior management. In addition, for treasury and derivatives activities, auditors should check for proper and adequate segregation of duties and reporting lines for market-making personnel and risk management personnel, and whether there is adequate oversight by a competent manager without day-to-day dealing responsibilities.

2.5.5 Audit reports should be timely and distributed to senior management who have the responsibility and authority to implement corrective measures. Auditors of an institution with its head office located overseas should report its findings directly to the head office. Auditors should perform follow-up activities to ensure that findings have been satisfactorily addressed. The Audit Committee should receive reports of material audit findings. It should monitor and track the actions taken to address audit findings, and ensure effective and timely response by senior management.

2.6 COMPLIANCE

2.6.1 An institution should affirm the importance of the compliance function by appointing senior personnel, or an appropriate unit, to oversee

compliance issues. Compliance officers should be equipped with the necessary skills and expertise, the level of which should be commensurate with the complexity of the institution's products and activities.

2.6.2 Compliance personnel should, among other things, provide advice and training on regulatory requirements and standards of professional conduct to staff, and conduct periodic reviews to assess compliance with policies, procedures and regulatory requirements. Anomalies detected or non-compliance with rules or guidelines should be promptly escalated to senior management for further action.

2.7 MANDATORY LEAVE

2.7.1 An institution should have personnel policies requiring staff in risk-taking, risk management and risk control positions to take mandatory block leave of at least 5 consecutive business days each year. Departures from this policy should be allowed only under exceptional circumstances and should be formally approved.

2.7.2 Staff on mandatory leave should not be allowed to transact, execute instructions or perform their assigned duties during their leave of absence. Supervisors on such leave should refrain from giving operational instructions to their staff during this period. The duties, responsibilities and the corresponding authority of the staff should be fully delegated to a covering officer during his or her absence.

2.8 HANDLING OF COMPLAINTS

2.8.1 A high frequency of complaints can be symptomatic of inadequate controls or non-compliance with existing procedures. Hence, an institution should have adequate procedures for recording, investigating and monitoring complaints from customers. Steps should be taken to ensure that complaints are handled fairly, consistently and promptly. Staff responsible for dealing with complaints should be independent of the subjects of the complaints. The institution should also take prompt action to rectify system and control weaknesses highlighted by the complaints.

2.8.2 Senior management should ensure that customer complaints are adequately addressed. In this regard, periodic reports on complaints should be submitted to senior management. Reports could include information such

as the source of complaints, volume and type of complaints, how complaints were addressed, and whether disciplinary action was taken against staff who breached internal guidelines or failed to uphold the requisite standard of professionalism in discharging their duties.

2.8.3 The Board or an appropriate Board committee should receive periodic summary reports on complaints and complaint handling.

2.9 STAFF COMPENSATION

2.9.1 An institution should ensure that its compensation policies can attract and retain competent and experienced personnel but do not inadvertently provide incentives for inappropriate activities. Compensation policies for the risk management, control and valuation functions should be sufficiently independent of the performance of trading activities or sales and revenue targets. This is to avoid providing incentives for such staff to condone excessive risk-taking in the institution. Even in deciding on compensation for its revenue generating and management positions, the institution may take into account the individual's consistency of performance, adherence to the code of conduct, internal guidelines and regulatory requirements, and longer term performance measures, rather than just short-term results. An institution should maintain proper documentation of staff appraisals for future reference.

2.10 RECRUITMENT

2.10.1 An institution should ensure that individuals considered for employment are adequately screened for experience, professional capabilities, honesty and integrity. Screening should include background employment checks to assess character, integrity and track record.

2.11 STAFF TRAINING AND EDUCATION

2.11.1 An institution should ensure that its staff are equipped with knowledge of new products as well as changes in legislation and regulations, and adequately trained to enhance their efficiency and effectiveness. It should identify skill gaps and assess training needs regularly, and maintain training records. Training should be appropriately structured to enable staff to understand and manage the complexities of the functional areas concerned.

2.11.2 An institution should, where practicable and appropriate, implement periodic job rotation to help staff broaden their skill sets. This may assist in providing continuity in areas affected by staff turnover. The institution should also be conscious that high staff turnover can undermine the effectiveness of their internal control systems. This could be mitigated to some extent by ensuring that every staff within the function is familiar with the policies, procedures and processes.

3 BUSINESS PROCESS CONTROLS

3.1 DEALINGS WITH CUSTOMERS

3.1.1 An institution should have clear written policies, approved by the Board or senior management, on issues relating to dealings with customers and risk disclosures. Such policies are aimed at reducing the risk of misunderstandings and contractual disputes with customers.

3.1.2 Dealings with customers should be conducted in good faith and in a manner that promotes public confidence in the integrity of the market. In this regard, an institution should provide proper training and closely supervise staff who deal with customers in more complex products such as structured investment products, financial derivatives and treasury instruments. The institution should also periodically review written agreements and other documents for such transactions to incorporate changes in market practices and laws.

3.1.3 An institution should implement procedures to assess the financial sophistication, risk tolerance and needs of its customers. Where appropriate, the institution should provide risk disclosure information, taking into account the sophistication of the customer and complexity of the transaction. This would enable the customer to better understand the risks as well as the nature and material terms and conditions of the transaction.

3.1.4 When an institution is instructed by a customer to proceed with a transaction against its advice, the decision should be documented together with the institution's analysis and risk disclosure information provided to the customer. This will safeguard the institution's interest if the customer were to file a claim against the institution for losses incurred. In addition, such transactions should be reviewed by an appropriately independent and competent department or personnel and brought to the attention of senior management of the institution.

3.1.5 An institution should clarify with customers the nature of its relationship with them to minimise the possibility of customers incorrectly presuming that the institution has acted in an advisory or similar role in the transaction.

3.1.6 An institution should promptly resolve disputed transactions with customers. It should maintain records of telephone calls of trades and discussions with customers on proposed transactions to facilitate expeditious resolution of discrepancies and disputes. The institution should prohibit the use of mobile phones or phones outside the trading room for trading except in exceptional circumstances and only where adequate mitigating controls are in place (See paragraph 3.7 on “Off-Premises and After Hours Trading”).

3.1.7 Disputes with customers should be independently investigated. The investigations should be properly documented. Reports on disputes should be submitted to management for review. While it attempts to resolve the dispute, the institution should consider the appropriateness of taking measures to mitigate further losses arising from the disputed transaction. Significant disputes with customers should also be escalated to the Board and senior management.

3.2 OPERATION OF ACCOUNTS POLICIES

3.2.1 Sound customer due diligence (CDD) policies and procedures will reduce the risk of an institution being used as an intermediary for money laundering or other illegal activities. Therefore, CDD policies and procedures should be reviewed and updated periodically. Customer identification is an integral part of the CDD process. An institution should thus obtain satisfactory evidence of the identity and legal existence of potential customers before establishing a business relationship with them. The institution should not open accounts or conduct business with customers who insist on anonymity or use fictitious names. It should apply enhanced due diligence for higher risk customers.

3.2.2 An institution should verify the identity of customers through inspection of passports, identity cards or other official documents. It should also ensure that they have up-to-date customer profiles.

3.2.3 An institution should establish policies on the minimum information required for different types of account holders (e.g. personal, corporate, beneficial, trustee, nominee and intermediary) to guide staff during the account opening process. Outstanding account opening documents should be monitored by staff independent of those with front-line responsibilities. Exception reports on long outstanding account opening documents should be generated for periodic review by management.

3.2.4 An institution should be cognisant of risks associated with inactive and dormant accounts and ensure that there are appropriate controls in place. This could include, among others, policies on the definition of inactive and dormant accounts, periodic review of such accounts and conditions under which a dormant account could be reinstated. In addition, the institution should have appropriate procedures for reactivating accounts, including authenticating the identity of the customer that is reactivating the account.

3.2.5 An institution should have controls in place to ensure that opening and closure of accounts are properly authorised, with the basis and approval clearly documented.

3.3 LEGAL DOCUMENTATION

3.3.1 An institution should have written agreements with customers and counterparties, where appropriate and in line with market practice, specifying the duties and responsibilities of each party. It should have clear guidelines and policies to ensure that a counterparty has the proper authority to enter into a transaction, prior to entering into the transaction. The institution should verify that contracts or agreements governing transactions are legally sound and enforceable in all relevant jurisdictions. It should also institute proper controls to ensure that legal documentation is properly executed, confirmed, maintained and safeguarded.

3.4 ACCOUNTING AND RECORD KEEPING

3.4.1 An institution should maintain adequate controls over its accounting and other record-keeping processes for both on- and off-balance sheet assets and liabilities. It should also ensure that staff responsible for accounting and record-keeping functions are independent of front-office activities. An effective accounting system has to, among other things, be able to identify and record all valid transactions, and describe the transactions in sufficient detail to permit proper classification of transactions for financial and regulatory reporting. There should also be adequate documentation and records of transactions for audit trail purposes.

3.4.2 An institution should also establish the minimum retention period for taped telephone conversations and documents, taking into account the relevant laws, rules and regulations. Financial transaction documents may be retained as originals, copies, on microfilm or in electronic form, taking into

account whether such forms are admissible in court or in compliance with regulatory requirements. Such records should be properly kept and stored in a manner that is reasonably practicable to retrieve.

3.5 MANAGEMENT INFORMATION SYSTEMS

3.5.1 An institution should have adequate management information systems (MIS) for effective management and control of all aspects of its operations. The sophistication of the MIS should be commensurate with the complexity and diversity of the institution's operations. The institution should consider key elements such as timeliness, accuracy, consistency, completeness and relevance when developing its MIS. The MIS should also be sufficiently flexible to cope with various contingencies and have the capability to monitor compliance with the institution's established policies, procedures and limits.

3.5.2 An accurate, informative, and timely MIS is essential to an institution's risk management process. The institution's risk exposures should be reported to the Board and senior management using a common framework for measuring and limiting risks. Exposures and profit and loss positions for trading positions should be reported at least daily to managers who supervise but do not themselves engage in position-taking activities, and to risk managers who report independently and regularly to the Board and senior management on the risk-taking activities of the institution. When market conditions dictate, more frequent reports should be made to update the Board and senior management on the changes in the institution's risk profile. It is essential that the Board and senior management are promptly informed of unanticipated changes, progressively deteriorating positions or other significant issues arising from the institution's positions, even when limits are not exceeded. Additionally, management reports should be prepared by a party independent of the position-taking units.

3.5.3 An institution using different information systems for various transactions entered into by customers should ensure that all transactions of an individual customer are captured and consolidated in the MIS reports. Processes should be in place to ensure data integrity, especially if the reports generated are based on information from different source systems.

3.5.4 An institution should ensure that systems support and operational capabilities can accommodate the various treasury and financial derivatives activities the institution engages in. These capabilities should enable the

institution to process and settle transactions efficiently, accurately monitor risks on a timely basis, and provide a snapshot of the risks inherent in all on- and off-balance sheet activities. Where an institution engages in leveraged treasury or financial derivatives transactions, its systems should also be able to reliably track collateral values.

3.5.5 An institution should deploy the necessary resources to develop and maintain the operations and systems supporting its activities. Operations personnel should be knowledgeable, competent and experienced in the activities the institution engages in. The sophistication of the systems support and the operational capacity should be commensurate with the size and complexity of these operations.

3.5.6 An effective MIS should facilitate an institution's monitoring of compliance with internal controls and regulatory requirements, and provide reasonable assurance that these are being complied with. For instance, an institution could use its MIS to establish profiles on the expected type and volume of transactions of their customers. Transactions that are inconsistent with a customer's profile should be investigated.

3.5.7 Reports on transactions should be sent to management with oversight responsibility of business and operations. The frequency and the amount of detail in these reports should be varied according to the level of senior management reviewing the reports. Follow-up actions should be properly documented and reported to senior management, and suspicious transactions reported to the relevant authorities.

3.6 PHYSICAL CONTROLS

3.6.1 An institution should ensure that there is adequate physical security for its place of business and cash-in-transit. Access to sensitive areas such as the dealing room, computer room and funds transfer area should also be granted strictly on a need-to basis to minimise the risk of unauthorised transactions, fraud or disruption to operations.

3.6.2 Items such as test keys, MEPS smart cards, master IDs for SWIFT, cash and securities, should be subject to dual control. Their access should be restricted to authorised personnel and recorded for proper accountability. Fireproof safes and safe deposit vaults should be used for the storage and safe custody of assets such as cash and securities.

3.7 OFF-PREMISES AND AFTER HOURS TRADING

3.7.1 An institution should state in its policies and procedures whether off-premises and after hours trading are permissible. If such transactions are allowed, adequate controls should be in place to ensure that transactions are executed by authorised personnel and within the approved limits. Records of these transactions must enter the institution's recording system as soon as they are made. These transactions should be captured in systems for processing and reporting, and confirmations sent to customers within a reasonable period of time.

3.8 NEW PRODUCTS/BUSINESS LINES/ACTIVITIES

3.8.1 An institution should have a new product policy to ensure that the risks inherent in new business lines or activities are properly assessed. Proposals on new products, business lines or activities should be accompanied, where appropriate, by a product programme document that includes:

- an analysis of legal and regulatory requirements and whether the activities are permissible;
- a description of the relevant financial product and markets, and the underlying objectives of the transactions (e.g. customer service, risk management or trading);
- an analysis of the risks that may arise from these activities, and details of any risk management procedures and systems established, including procedures for identifying, measuring, monitoring and controlling risks;
- an evaluation of the impact of the proposed activities on the institution's overall financial condition and capital level, where applicable;
- a description of the relevant accounting guidelines and tax treatment; and
- a recommendation on the appropriate structure and staffing for trading as well as for the key risk control functions.

3.8.2 The new product policy should contain a definition of the term “new product”, and provide for the proper review and authorisation of variations to existing products. The policy may require such variations to be approved by the Board or senior management. The policy should be updated when market conditions warrant it, when major assumptions have been changed, or when there are regulatory changes.

3.8.3 As new products frequently require different pricing, processing, accounting and risk measurement systems, an institution should ensure that it has the necessary resources to support these activities. The new product approval process should include a sign-off by all relevant authorised personnel in areas such as risk control, operations, accounting, legal and compliance, and by senior management.

3.8.4 Depending on the nature and complexity of a new product, a post-implementation review of the new product should also be conducted at an appropriate period after its introduction, accompanied by proper documentation of the issues raised. Such a review would enable all the parties concerned to discuss the issues encountered during implementation and to ensure that no risk remains unidentified.

3.9 VALUATION OF ASSETS

3.9.1 There should be clear policies and procedures for the independent, fair and proper valuation of assets. Prices, interest rates, exchange rates and volatility factors used in the revaluation process for the financial accounting of treasury and financial derivatives transactions should be obtained from independent sources or be independently verified, and not decided by the institution’s dealers. If it uses live data feeds from vendors, the institution should exercise proper care and control to ensure the usefulness, quality and integrity of the data.

3.9.2 An institution should have policies and controls to manage the risks arising from illiquid positions. These should address the methodologies used for valuing illiquid positions, identification and reporting of illiquid positions to the Board and senior management, and audit frequency.

3.9.3 The prices and valuation methodologies used should be documented for audit trail purposes. Periodic reports on the valuation of assets should be submitted to the Board and senior management for review.

3.10 VERIFICATION AND RECONCILIATION

3.10.1 An institution should have verification and reconciliation procedures for ascertaining the accuracy of transaction details and activities. Staff performing verification should be independent of those responsible for originating the transaction or preparing the data. For instance, reconciliation of front office and back office data should be performed by staff independent of the dealing function. Reconciliation should be performed regularly, even daily, for an institution active in dealing. The reconciliation should be reviewed to verify the institution's exposures, profit and loss positions and transaction details. Discrepancies should be promptly investigated and rectified, with established procedures in place for reporting them to the Board and senior management. Examples of reconciliation to be performed include:

- subsidiary ledgers to general ledger;
- trade details against confirmations received from counterparties;
- records to tangible assets and key documents;
- securities holdings to custodian statements; and
- nostro reconciliation.

3.10.2 An institution should, as far as possible, require customers to indemnify it against losses for accepting instructions given verbally, via facsimile or via electronic mail. Where practicable, all telephone conversations relating to transaction related instructions should be tape recorded.

3.10.3 An institution should have policies to control the creation of accounts in the general and subsidiary ledgers to minimise the risk of fictitious accounts being set up. It should also ensure that all customer transactions are processed through the customers' own accounts with the institution, and not through other accounts such as suspense or sundry accounts, without proper authorisation.

3.10.4 Passing of entries through suspense and sundry accounts should be properly authorised and monitored to detect unusual transactions. In this regard, an institution should establish policies and procedures for areas such

as the purpose of suspense accounts, controls over posting entries, length of time that an item has remained outstanding, frequency of reconciliation and follow-up actions required. It should also ensure that suspense items are cleared promptly. Reports on outstanding suspense items should also be periodically reviewed by senior management.

3.11 CONFIRMATION

3.11.1 An institution should have in place processes and procedures to ensure prompt confirmation of transactions to facilitate deal authentication and timely detection of transaction errors or unauthorised transactions.

3.11.2 Customer orders should be promptly processed in accordance with instructions given and on the best available terms. An institution should have in place controls to ensure that trade matching and confirmations are performed as soon as possible after execution. This would facilitate early detection of errors in recording trades and unauthorised transactions, both of which could result in increased risks and costs.

3.11.3 Where documented confirmations are required for trades done, an institution should send these to customers promptly. The institution is also encouraged to have a two-way confirmation process. Controls should be in place to prevent unauthorised amendments to the confirmation documents. Where possible, the confirmation process should be automated. Where there exists an automated process, manual preparation of confirmation documents should only be permitted on an exceptional basis. All manual confirmation processes should be subject to stringent controls.

3.11.4 Confirmation of trades with customers should be performed independently of the dealing function. Incoming confirmation slips should be received by a department that is independent of the dealing function, and disputes or unconfirmed trades immediately investigated. Where a customer is not an individual, outgoing confirmations should be sent to the appropriate group that is independent of trading. Interim updates or ad hoc statements requested by customers should also be checked and properly authorised before transmission to customers.

3.11.5 Where an institution keeps statements and records of customers' holdings and transactions under safe custody or hold mail facility, it should have procedures for independent verification of customer activities. The

institution should also ensure that only customers or authorised persons collect such statements and records. Proper acknowledgement and confirmation of receipt of these statements or records should be obtained.

3.11.6 An institution should, as far as possible, discourage the practice of handing customer statements and records to staff holding front-line responsibilities, e.g. relationship managers, for onward transmission to customers. If this is not practicable, controls should be implemented to mitigate the risk of staff impropriety.

3.12 SETTLEMENT

3.12.1 An institution should establish standard settlement instructions in its systems. Changes to these instructions should be reviewed to ensure that they have been properly authorised by the customers or counterparties. Procedures should also be in place for validating funds transfer requests, which could include, among other things, telex testing, call-back and signature verification. Third party payments should be discouraged or, if allowed, be subject to more stringent controls.

3.12.2 An institution should perform periodic reconciliation of funds transfer records to correspondent banks' statements and ensure that any outstanding items are promptly investigated and reviewed. Non-receipt or non-payment of funds should also be identified and rectified within a reasonable period of time.

CHECKLIST OF SOUND PRACTICES TO ADOPT

[The checklist summarises the key practices only and is not meant to be exhaustive. For details, institutions should refer to the guidelines.]

Ref	Sound Practice	Yes/No
	<u>INTERNAL CONTROLS GUIDELINES</u>	
	<p><u>Control Environment</u></p> <p>Policies and Procedures</p> <p>Is there a set of comprehensive policies, which are approved by the Board?</p> <p>Are there appropriate procedures and processes to implement the policies?</p> <p>Code of Conduct</p> <p>Is there a comprehensive code of conduct for staff and is the code periodically reviewed?</p> <p>Delegation of Authority</p> <p>Are the responsibilities and levels of authority required in relation to various types of activities and exposures clearly defined?</p> <p>Segregation of Duties</p> <p>Is there proper and adequate segregation of duties?</p>	

Ref	Sound Practice	Yes/No
	<p>Audit Coverage</p> <p>Is there an independent Audit Committee to oversee the internal audit function and evaluate the external audit function?</p> <p>Are auditors independent and objective?</p> <p>Do auditors possess the necessary experience and expertise to audit the institution's activities?</p> <p>Are audit reports timely and distributed to the appropriate senior management?</p> <p>Does the Audit Committee monitor and track the actions taken to address audit findings?</p> <p>Are follow-up activities performed by auditors to ensure that findings have been satisfactorily addressed?</p> <p>Compliance</p> <p>Is there a senior person or an appropriate unit appointed to oversee compliance issues?</p> <p>Are compliance officers equipped with the necessary skills and expertise?</p> <p>Mandatory Leave</p> <p>Are there policies on mandatory leave for staff in risk-taking, risk management and risk control positions?</p> <p>Handling of Complaints</p> <p>Are there adequate procedures for recording, investigating, monitoring and reporting complaints from customers?</p>	

Ref	Sound Practice	Yes/No
	<p>Staff Compensation</p> <p>Are reward and compensation policies, especially for the risk management, control and senior management functions, sufficiently independent of the performance of trading activities or revenue targets?</p> <p>Recruitment</p> <p>Is an adequate screening process in place for recruiting staff with the necessary experience and professional capabilities?</p> <p>Staff Training and Education</p> <p>Are staff provided with adequate training and do they possess the necessary experience and expertise?</p>	
	<p><u>Business Process Controls</u></p> <p>Dealing with Customers</p> <p>Are there policies on suitability and risk disclosure of products to customers?</p> <p>Operation of Accounts/ Insurance Policies</p> <p>Are there sound customer due diligence policies and procedures?</p> <p>Are there appropriate controls for inactive and dormant accounts, opening and closure of accounts, new insurance policies and termination of policies?</p> <p>Legal Documentation</p> <p>Have the Board and senior management instituted policies and proper and adequate controls to ensure that transaction documentation is properly executed, confirmed, maintained</p>	

Ref	Sound Practice	Yes/No
	<p>and safeguarded?</p> <p>Accounting and Record Keeping</p> <p>Are there adequate controls over the accounting and record-keeping process?</p> <p>Management Information Systems</p> <p>Is an adequate management information system in place for effective management and control of all aspects of operations?</p> <p>Have the Board and senior management ensured that systems support and operational capacity are adequate to accommodate the different types of activities the institution engages in?</p> <p>Physical Controls</p> <p>Is access to sensitive areas such as the dealing room, computer room and funds transfer area strictly granted on a need-to basis?</p> <p>Are items such as test keys, MEPS smart cards, master IDs for SWIFT, cash and securities subjected to dual control and their access restricted to authorised personnel?</p> <p>Off-Premises and After Hours Trading</p> <p>Are adequate controls in place for off-premises and after hours trading?</p> <p>New Products/ Business Lines/ Activities</p> <p>Do the Board and senior management approve proposals on new products, business lines or activities?</p>	

Ref	Sound Practice	Yes/No
	<p>Are the parameters used to govern products kept updated?</p> <p>Valuation of Assets</p> <p>Are prices, interest rates, exchange rates and volatility factors used in revaluation obtained from independent sources or independently verified?</p> <p>Are compensating policies and controls in place for illiquid positions?</p> <p>Verification and Reconciliation</p> <p>Are the verification and reconciliation processes adequate?</p> <p>Confirmation</p> <p>Is confirmation of trades with customers performed independently of the dealing function?</p> <p>Are enhanced procedures established and applied to those statements and records of customers' holdings and transactions held under safe custody or hold mail facility?</p> <p>Settlement</p> <p>Are there procedures for validating funds transfer requests?</p> <p>Is periodic reconciliation of funds transfer records to correspondent banks' statements performed and are outstanding items promptly investigated and reviewed?</p>	