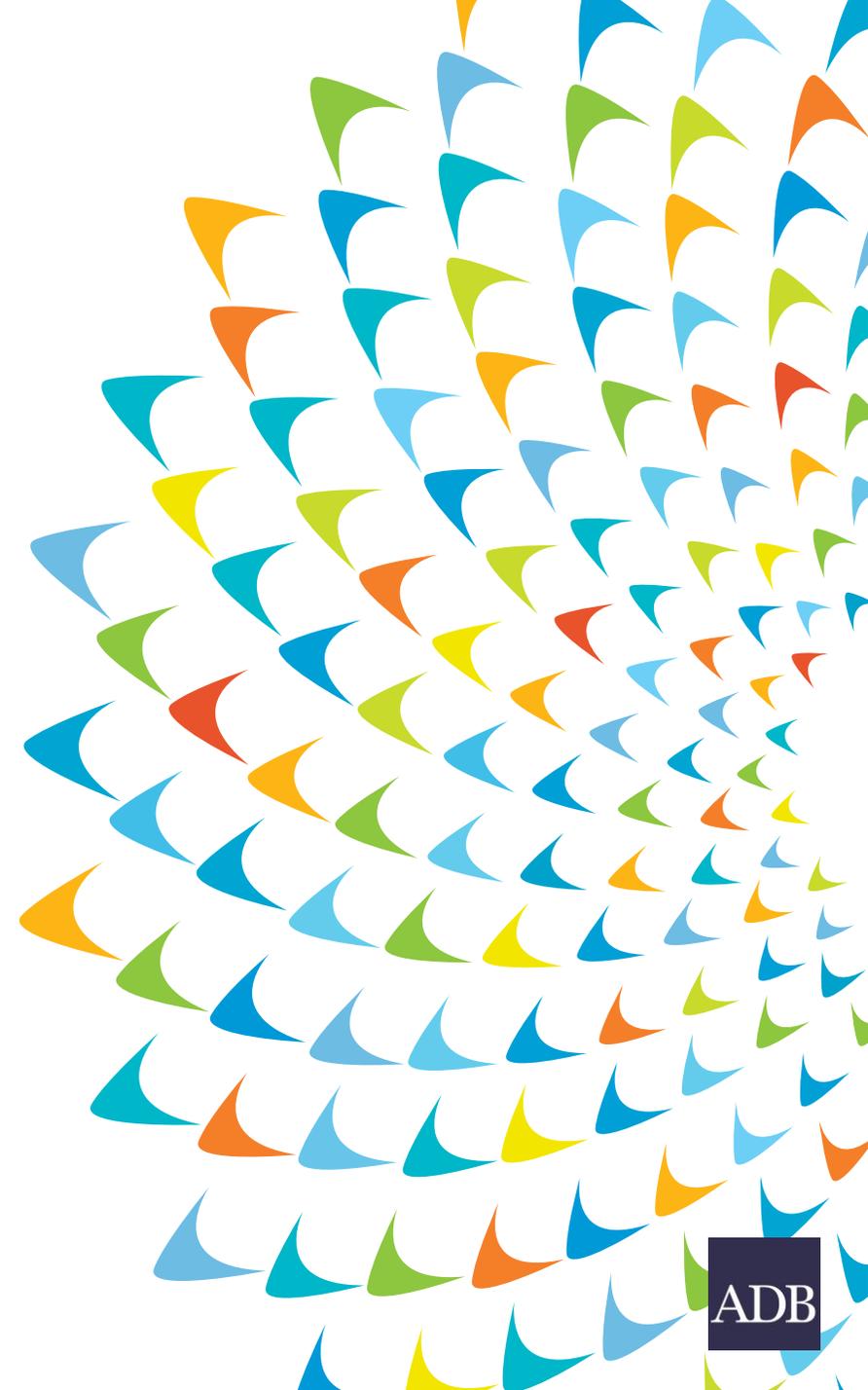


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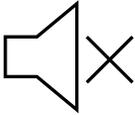
Transaction Monitoring

April 2024





Administration

- Please mute your microphones when not speaking 
- Have your mobile phone handy
- Use the group chat if you wish to comment or ask questions
- Raise your hand if you have questions, and unmute yourself
- Parking Lot
- Co-creation of Content
- Participate actively
- Have fun
- Participation Certificate



Have Burning Questions?



<https://app.sli.do/event/cUwyq4kBsmG5JqHhxzhWpR>

Join at [slido.com](https://www.slido.com/join/2286357): #2286357
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Correspondent Banking and the Practical Approach to AML/CFT

Module 1 - Correspondent Banking – An Introduction

Module 2 – Fundamentals of Customer Due Diligence

Module 3 – Sanctions and Terrorist Financing

Module 4 – Enterprise-Wide Risk Assessment

Module 5 – Transaction Monitoring

Module 6 – Anti-Bribery and Corruption

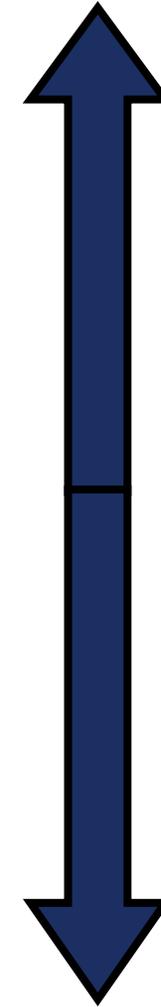
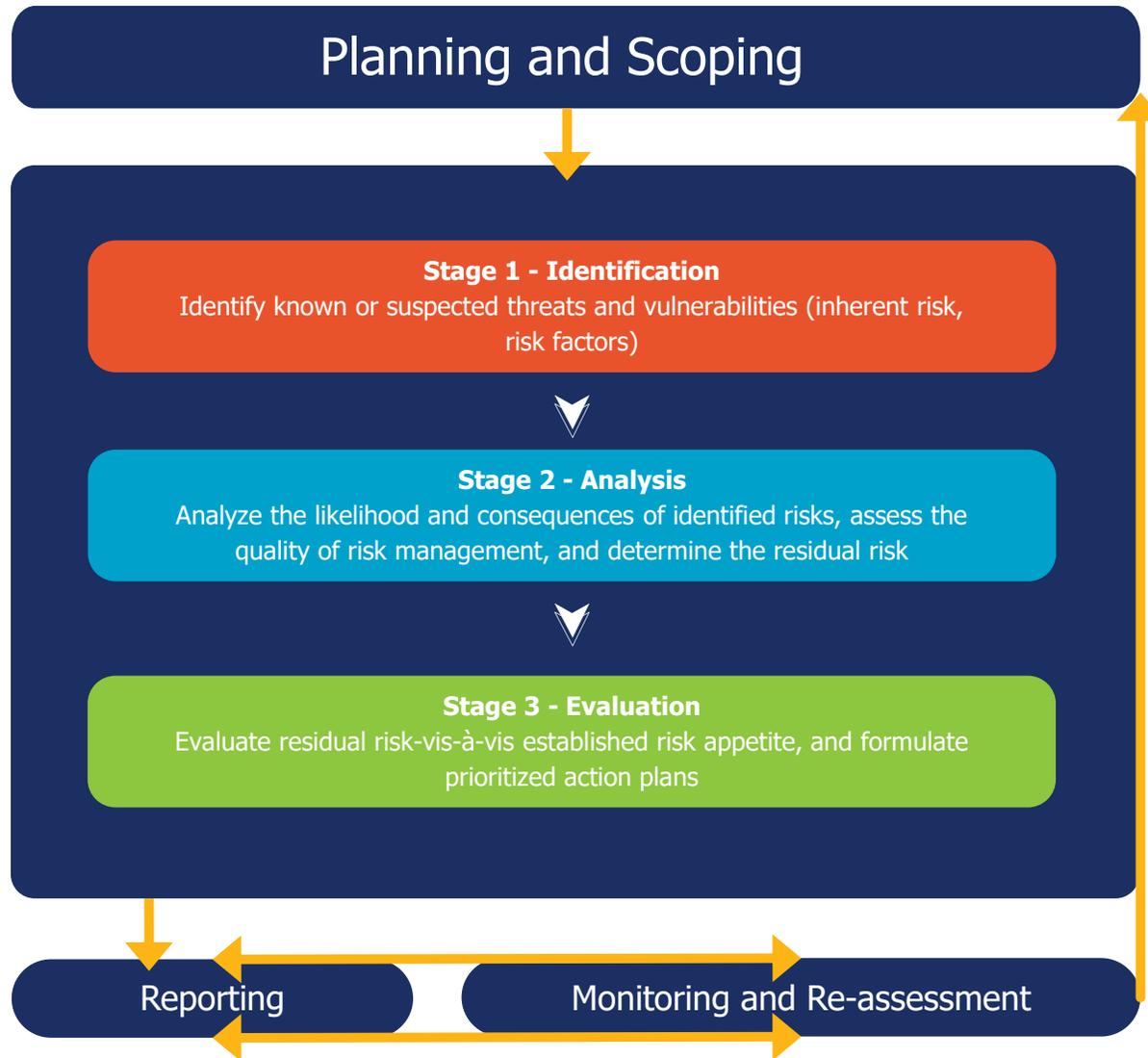
Module 7 – Suspicious Transaction Investigation and Reporting



Recap of Module 4



The Risk Assessment Process



COMMUNICATION



RISK ASSESSMENT PROCESS





Phases in Risk Assessment Exercise

Financial crime risk assessment is the first step in managing the risks associated with financial crime. Design of a risk assessment framework will depend on the complexity and structure of an organization, the markets and countries in which it is active as well as its client base. According to the Wolfsberg Group, a three-phased approach, which it terms as the “conventional/standard methodology,” can be adopted in order to undertake a risk assessment.



**Phase 1 –
Inherent Risk**



**Phase 2 – Internal
Control Assessment**



**Phase 3 - Residual
Risk Assessment**



Conventional/Standard ML Risk Assessment Methodology



Source: The Wolfsberg Frequently Asked Questions on Risk Assessments for Money Laundering, Sanctions and Bribery & Corruption



Risk Assessment Matrix

Inherent Risk Effectiveness Of Control	Low Risk	Medium-Low	Medium	Medium-High	High Risk
Low	Medium-Low	Medium	Medium-High	High	High
Moderate	Low	Medium-Low	Medium	Medium-High	High
Substantial	Low	Medium-Low	Medium	Medium-High	Medium-High
High	Low	Medium-Low	Medium-Low	Medium	Medium-High
Very High	Low	Low	Medium-Low	Medium	Medium

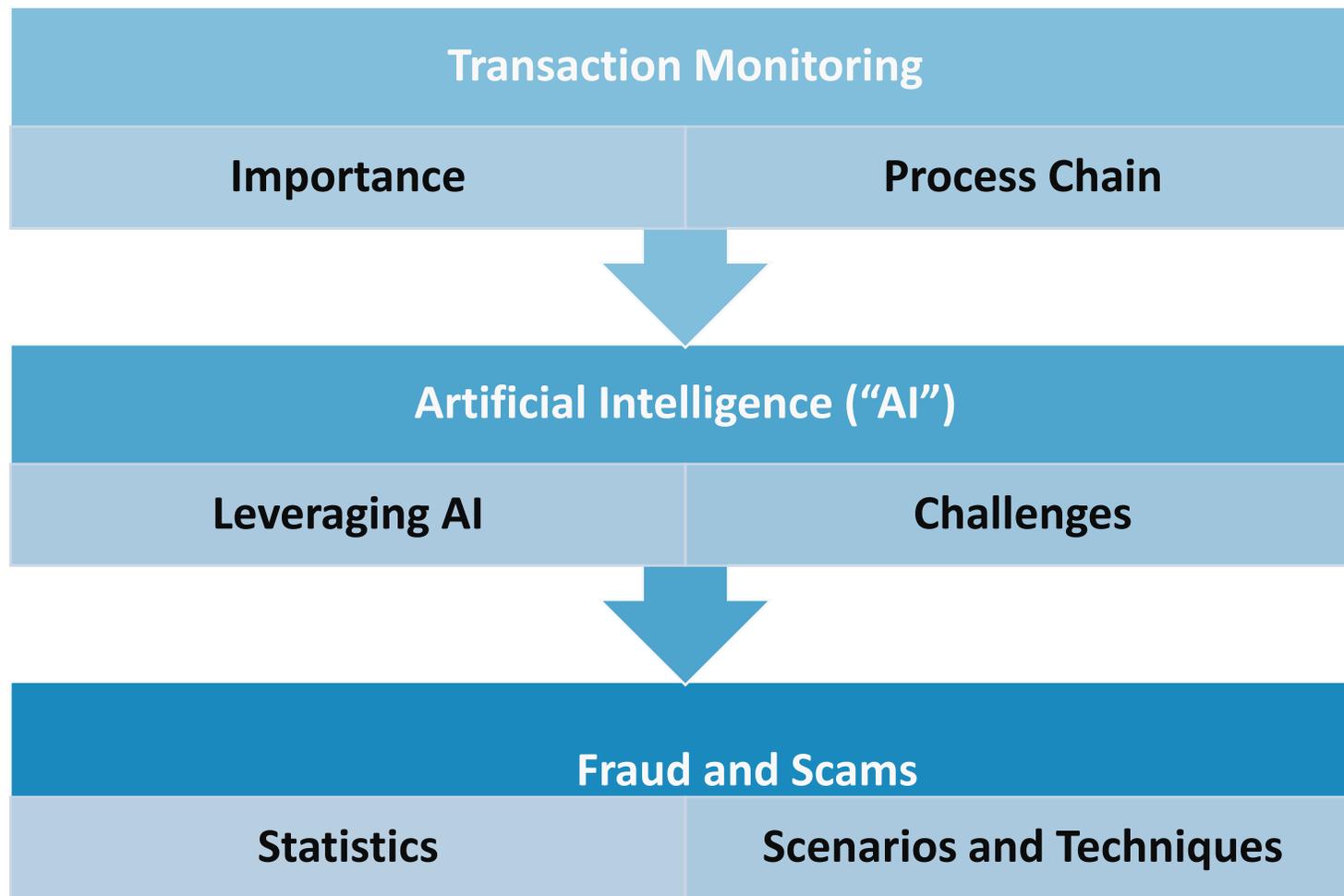


Practical considerations

- **Robustness of Methodology** - must address process, scope, roles & responsibilities, record retention, exceptions and approvals, Reporting and review etc.
- **Involvement with Functional Business Areas** - need basic or foundational understanding of the various business and operational areas across the enterprise. It is critical to engage the business units because as the first line of defence these areas have ownership of the risks.
- **Data issues** - . Incorrect or duplicate data can severely impact the risk assessment exercise.
- **Tools** - Customized templates built in standard spreadsheet to sophisticated database systems built in-house or purchased from vendors



Learning Objectives of this module





Financial Crime Offences

Basic types of conduct at the core of financial crime offences in commerce and industry, trade and profession.

Money laundering is a consequence, not a primary criminal activity

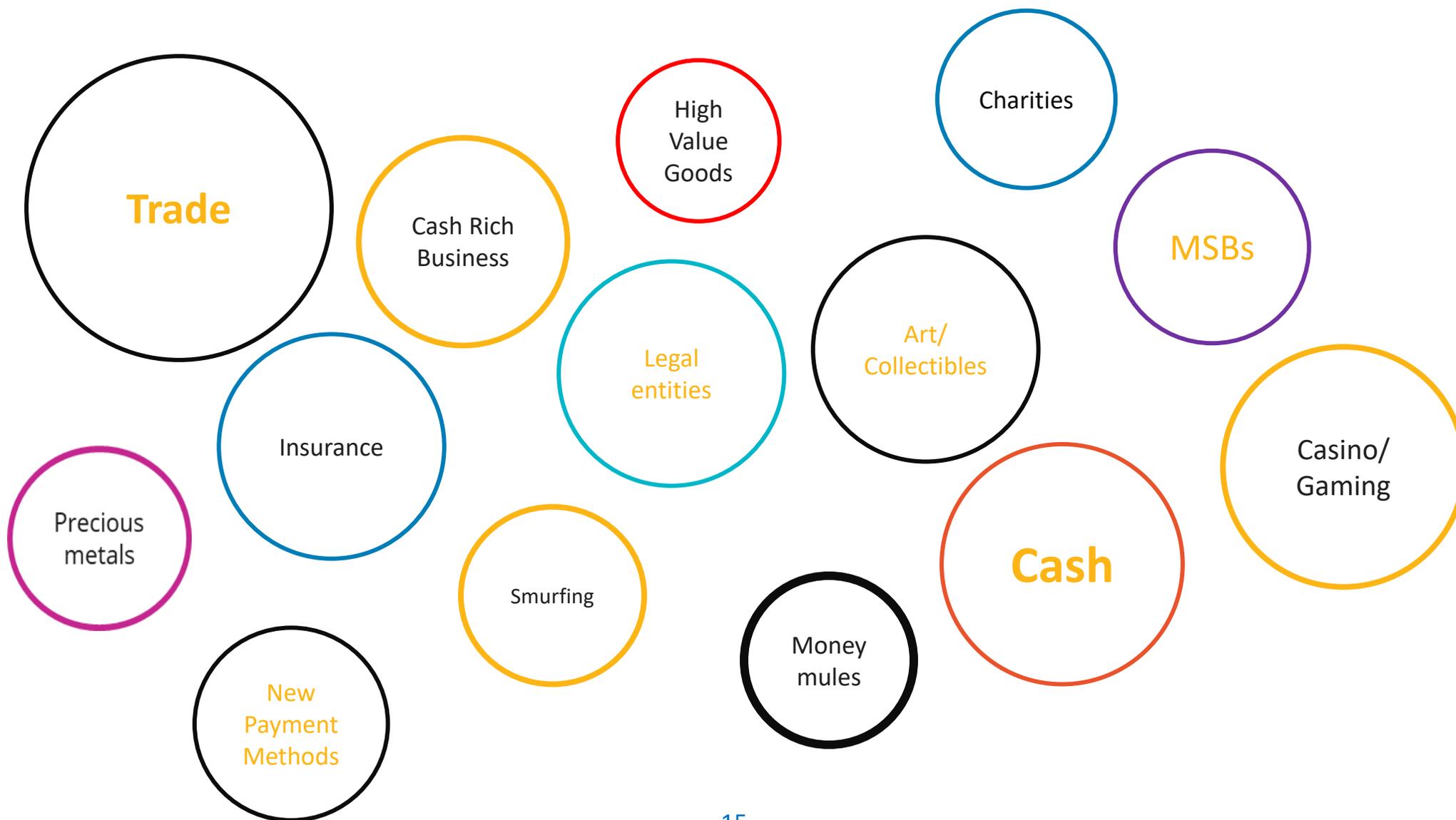
- Crimes committed on the business or persons
- Crimes committed by the business or persons
- Crimes relating to the existence, structure and founding of the business
- Crimes committed using the business as vehicle





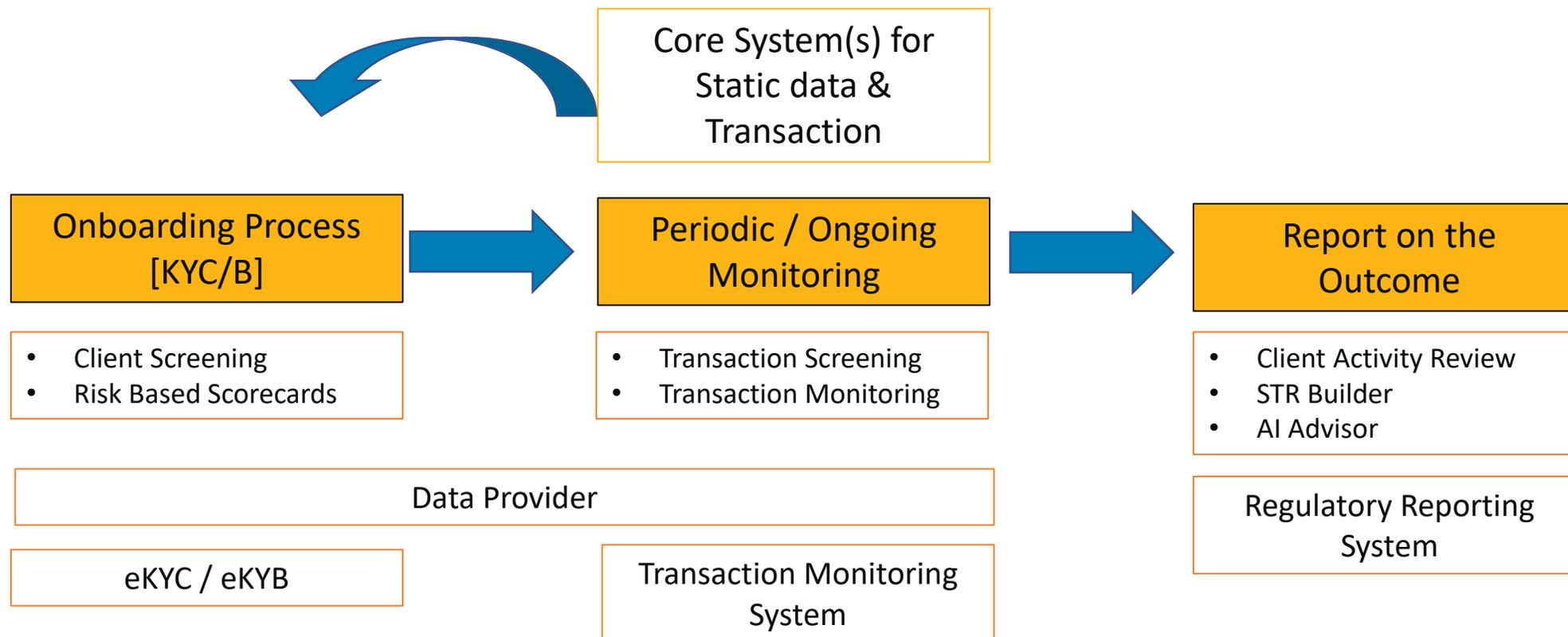


Common Ways to Launder Money





Customer Due Diligence Process





Singapore – August 2023 Headlines

S\$3 Billions worth of assets seized and still counting ...

Arrested and charged



Persons of interest





Name: Su Wenqiang

Age: 31

Nationality: Originally from China, holds a Cambodian passport

Charges: 11

Money laundering accused on the run from Chinese authorities, came to S'pore in 2021.

An executive at a remote lottery business operating from the Philippines and Cambodia, and targeting gamblers from China

Term: 13 months



Name: Su Haijin

Age: 41

Nationality: Originally from China, holds
Cyprus and Vanuatu passports

Charges: 14

Term: 14 months



Designated Non-Financial Businesses and Professionals



What other DNFBPs can you think of?



Importance of transaction monitoring

- Transaction monitoring (TM) is a key control in financial institutions' (FIs) AML/CFT policies and procedures
- An effective TM system enables FIs to detect and assess whether customers' transactions pose suspicion when considered against their respective backgrounds and profiles
- TM systems also facilitate holistic reviews of customer transactions over periods of time, in order to monitor for any unusual or suspicious trends, patterns or activities that may take place



Transaction monitoring process chain

- Risk assessment
- Customer due diligence

- Parameter, threshold and scenario setting
- Back testing
- Data integrity

- Pre-transaction checks
- Alert handling
- Documentation

- STR filing
- Post STR practices
- Quality assurance and system refinements



Examples of scenarios to monitor transactions

The number of alerts generated within each bank varies based on several factors, including the number of transactions running through the monitoring system, as well as the rules and thresholds the bank employs within the system to generate the alerts. Banks typically score alerts based on elements contained in the alert, which determines the alert's priority.

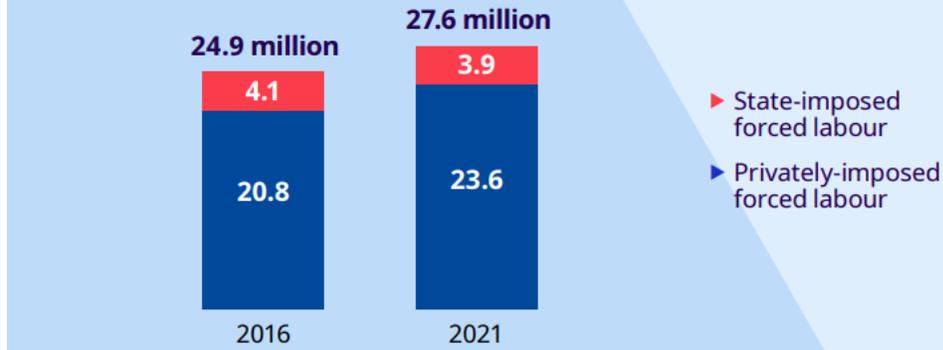
Some typical scenarios:

- Large or complex transactions with no visible/apparent economic reasons
- Deposit or transfer of funds without any specific justification
- Frequent cross-border flow of transactions, especially with high-risk countries/geographies
- Aggregated frequent and small transactions
- Unusual patterns of physical cash deposits or withdrawals, which are large when aggregated over a period
- Transaction inconsistent with customer's business profile
- Payment received in account, not matched with goods shipped
- Significant deviations from past account activity
- The sudden large deposit in the dormant accounts
- Detection of activities or behaviors consistent with certain predicate offences (e.g., possible tax evasion or avoidance, corruption nexus, or terrorism financing)



Forced labour can be understood as work that is performed **involuntarily** and **under the menace of any penalty**. It refers to situations in which persons are coerced to work through the use of violence or intimidation, or by more subtle means such as manipulated debt, retention of identity papers or threats of denunciation to immigration authorities.

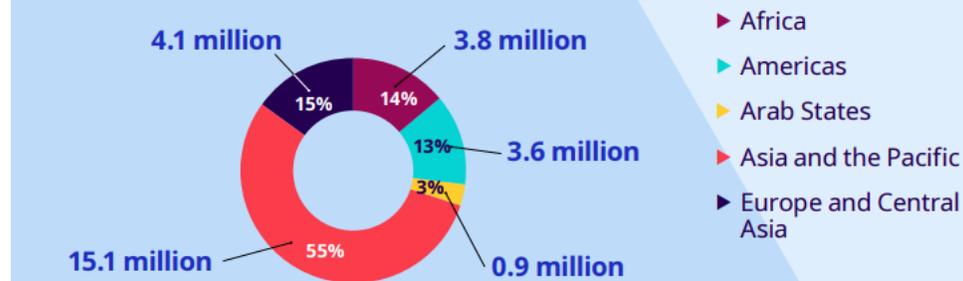
▶ Figure 1. Number of people in forced labour, by sub-category, 2016 and 2021



Source: ILO, Walk Free and IOM, 2022.



▶ Figure 2. Number of people in forced labour, by region



Source: ILO, Walk Free and IOM, 2022.

Source: ILO Profits and poverty: The economics of forced labour report March 2024



Police in Singapore, Hong Kong and South Korea have arrested 272 people in a joint operation targeting child pornography and sexual exploitation.

The suspects, aged between 12 and 73, were arrested during a five-week operation from Feb 26 to Mar 29, during which authorities raided a total of 236 locations.



Discuss

Imagine yourselves working in a financial institution

What would be the scenarios you can build in the transaction monitoring systems to detect potential OSEC?*

What are the considerations?



* *Online Sexual Exploitation of Children*



When the payments stop, so will the abuse ...

Eric Favila
Founder & CEO
AMLakas Corporation



A Tale of the Baker and the Banker





The 24-Hour Florist





What we need





Effective transaction monitoring system

An effective TM system is comprised of the following elements.

- A well-calibrated framework
- Robust risk awareness
- Meaningful integration
- Active oversight

Examples of good practice

- The firm has considered what mixture of manual and automated screening is most appropriate.
- There are quality control checks over manual screening.
- Where a firm uses automated systems, these can make ‘fuzzy matches’ (e.g., able to identify similar or variant spellings of names, name reversal, digit rotation, character manipulation, etc.).
- The firm screens customer directors and known beneficial owners on a risk-sensitive basis.
- Where the firm maintains an account for a listed individual, the status of this account is clearly flagged to staff.
- A firm only places faith in other firms’ screening (such as outsourcers or intermediaries) after taking steps to satisfy themselves this is appropriate.



Poor practice

Examples

- The firm assumes that an intermediary has screened a customer but does not check this.
- Where a firm uses automated systems, it does not understand how to calibrate them and does not check whether the number of hits is unexpectedly high or low.
- Screening of customer databases is a one-off exercise.
- Updating from the consolidated list is haphazard.
- Some business units use out-of-date lists.
- The firm has no means of monitoring payment instructions.



Artificial Intelligence (“AI”) and Machine Learning (“ML”)

- Ability to analyze vast amounts of data quickly and accurately
- Can identify patterns and anomalies that may go unnoticed by manual processes
- By utilizing natural language processing, machine learning, and pattern recognition, AI-powered systems can train models on huge volumes of consumer behavior data they generate to learn fraud patterns and to then detect fraudulent behavior, transactional patterns and financial networks
- Allows compliance teams to focus their efforts on analyzing high-risk cases, rather than sifting through vast amounts of data manually
- Ensures a consistent and standardized approach to AML compliance



Challenges and considerations of using AI/ML

The need to ensure data integrity, privacy, and regulatory compliance throughout the process

- Data quality and integrity - AI models heavily rely on accurate and reliable data
- Data privacy and maintaining explainability in AI algorithms - ensure compliance with data protection regulations and maintain transparency in their AI models to gain trust from regulators and stakeholders
- Ongoing monitoring and validation of AI models to ensure their effectiveness and accuracy

Will Artificial Intelligence (“AI”) take over our jobs?



AI is neither “Artificial” nor “Intelligent” – Kate Crawford, Microsoft

AI is built with “natural resources and it is people who are performing the tasks to make the systems appear autonomous.”

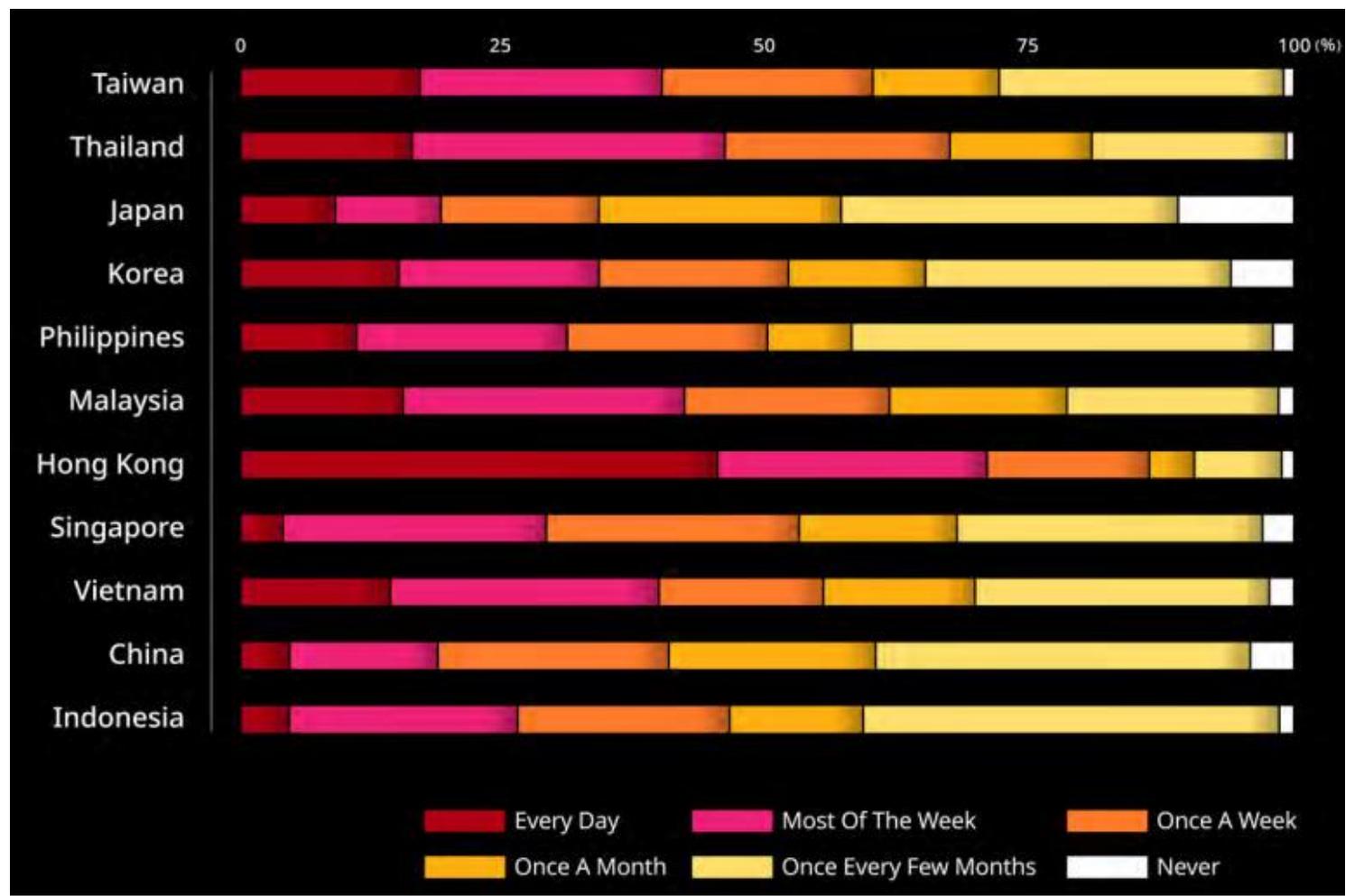


My Story





Frequency of Encountering Scams



Source: 2023 Asia Scam Report





Scam Scenarios and Techniques

 <h3>Identity Theft</h3> <p>Unauthorized use of credit cards, accounts, social media accounts, emails, etc.</p>	 <h3>Shopping Scam</h3> <p>No goods shipped or wrong items delivered after payment</p>	 <h3>Investment Scam</h3> <p>Promising high returns to solicit funds from victims</p>
 <h3>Gov/Bank Scam</h3> <p>Impersonating government/banks to extract payments or personal info</p>	 <h3>Job Scam</h3> <p>Asking for fees or personal info under the guise of recruitment</p>	 <h3>Lottery Scam</h3> <p>Demanding fees or personal information under the guise of a lottery win</p>
 <h3>Family/Relatives Scam</h3> <p>Impersonating relatives to borrow money or extract personal info</p>	 <h3>Bill Payment Scam</h3> <p>Demanding payments under the pretense of billing issues</p>	 <h3>Charity Scam</h3> <p>Posing as charity organizations and asking for transfers due to 'system errors'</p>

Source: 2023 Asia Scam Report



What is Social Engineering?

Technique used by attackers to manipulate individuals into divulging confidential information, performing actions, or compromising security measures.

Social engineering relies on exploiting human psychology and behavior.

Phishing: Sending deceptive emails or messages pretending to be from a trusted source, such as a bank or a colleague, in order to trick recipients into revealing sensitive information like passwords or credit card numbers

Pretexting: Creating a fabricated scenario or pretext to manipulate individuals into disclosing information or performing actions they normally would not

Baiting: Offering something enticing, such as a free download (e.g. Android Package Kit), that contains malware, with the aim of infecting the victim's device

Quid pro quo: Offering a service or benefit in exchange for sensitive information

Impersonation: Pretending to be someone else, either in person, over the phone, or online, in order to gain access to restricted areas or information

Keeping up with times

Phishing or pressure received unsolicited via social media, emails, SMSes, phone calls

Promises of lottery winning or great returns

Appeals to the heart e.g. romance, charity or supporting loved ones

Threats to harm financially, socially, physically or legally



Fraud and Scams in Singapore



Source: Singapore Annual Scams and Cyber Crime Report 2023



On Fraud and Scams

**Unity is the ultimate key to combat fraud – Jackie Cheng, GASA
Director of Board and Gogolook Chair**



Compliance does not stop Financial Crime, People do



Preliminary Survey - top questions/main concerns do you have with regards to Financial Crime Compliance and/or Correspondent Banking?

1.	Digital technology	
2.	How to identify, detect and prevent fraud and scams	*
3.	Applying best practices over conducting due diligence checks and not over checking.	*
4.	What are the types of risks associated with the correspondent banking and how do we mitigate the risks?	*
5.	Sanctions exposure	*
6.	From a correspondent bank's perspective, main concern is on nested payment intermediary (PI) relationship as Banks and PIs may not be subjected to the same level of regulatory scrutiny. Banks will need to scrutinise and monitor more complicated scenarios for nesting involving combination of respondent bank and their Bank customer or PI customers or even another level down.	*
7.	Correspondent banking CDDs will need to factor in more vostro review and understanding the proper application of the MX SWIFT messages to develop proper tools to identify for correspondent banking monitoring. Traditional review of CBDDQ and questionnaire may be rendered inadequate for risk management especially when providing Vostro accounts.	



Preliminary Survey - top questions/main concerns do you have with regards to Financial Crime Compliance and/or Correspondent Banking?

8.	Despite they have policies and procedures, what is the comfort level if they are abiding by it	*
9.	Do we have a robust core banking system, adequate controls and measures for anti-financial crime?	*
10.	How to address the underlying concerns of OFAC, FDIC and FED to create a correspondent banking model that meets the needs of Asian (and African) banks who have been systemically disenfranchised (de-risked) by US Banks - either directly or through their regional counterparties.	*
11.	In our quest to find a solution to the CBR problem and given the complexity of it, how do we break it down into smaller actionable steps for the Pacific Island Countries	
12.	The lack of harmonization of different domestic laws and policies	
13.	What the reason and why derisking of banks in the Pacific.	*
14.	A country's correspondent banking relationships with other jurisdictions	
15.	Compliance is a moving target	*



Preliminary Survey - top questions/main concerns do you have with regards to Financial Crime Compliance and/or Correspondent Banking?

16.	Rising cost of compliance	*
17.	What role can partner Governments' play to improve financial crime compliance and support an ongoing correspondent banking presence in the Pacific	*
18.	What AI tools are available to assist business and agencies dealing with aspects of FCC	*
19.	Trade Base Money Laundering-lack of understanding	*
20.	How do we ensure financial crime is not facilitated through block chain, smart contracts, and distributed ledgers	*
21.	Customer due diligence conducted by correspondent banks	*
22.	Current regulations	
23.	Areas where risk to correspondent banking can be misused by criminals?	*
24.	Exploiting the banking system to layer funds related to money laundering investigations.	



Questions?



Have Burning Questions?



<https://app.sli.do/event/cUwyq4kBsmG5JqHhxzhWpR>

Join at [slido.com](https://www.slido.com/join/#2286357): #2286357
(live until 11 April 2024)





Thank you.



Resources

- ILO Profits and poverty: The economics of forced labour report March 2024: https://www.ilo.org/global/topics/forced-labour/publications/WCMS_918034/lang--en/index.htm
- Police in Singapore, Hong Kong and South Korea arrest 272 suspects in joint operation targeting child porn: [Police in Singapore, Hong Kong and South Korea arrest 272 suspects in joint operation targeting child porn - CNA \(channelnewsasia.com\)](#)
- Singapore Annual Scams and Cybercrime report 2023: <https://www.police.gov.sg/Media-Room/Police-Life/2024/02/Three-Things-you-Should-Know-About-the-Annual-Scams-and-Cybercrime-Brief-2023>
- 2023 Asia Scam Report: <https://files.gogolook.com/2023-asia-scam-report>