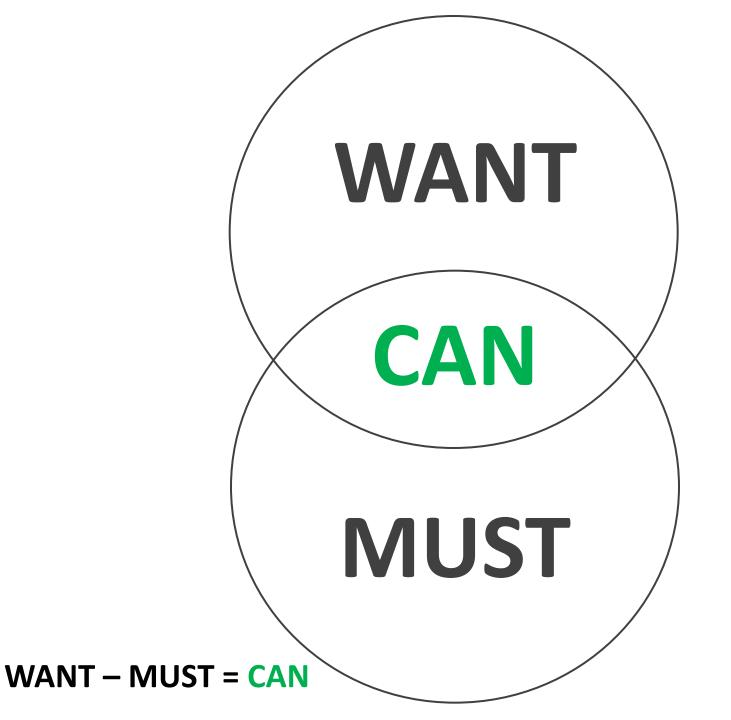
Strategies for Successful Compliance & Government Relations

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Agenda

1. Brief history of AML standards

The latest FATF & EBA reports

2. Risk identification

Risk areas → Focus on AML

3. Risk mitigation

- a) Program design tips
- b) Overview of corporate and product safeguards
- c) Customer identification and behavioral analytics

4. Unsolicited (contrarian) advice

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Financial Action Task Force Groupe d'Action Financière Internationale (FATF-GAFI)

Independent inter-governmental body

Develops and promotes policies to protect the global financial system against money laundering and terrorist financing

FAFT recommendations

- → define criminal justice and regulatory measures that should be implemented to counter this problem
- → are recognized as the global anti-money laundering and counter-terrorist financing standard (AML/CFT)

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Special Recommendation VI

Each country should take measures to ensure that persons or légal entities, including agents, that provide a service for the **transmission of** money or value, including transmission through an informal money or value transfer system or network, should be licensed or registered and subject to all the FATF Recommendations that apply to banks and non-bank financial institutions. Each country should ensure that persons or legal entities that carry out this service illegally are subject to administrative, civil or criminal sanctions

Anonymity = Anathema

- Anonymous identification
- No value limits
- Anonymous funding
- No transaction records
- Wide geographical use
- No usage limits

Cash features

FATF Report on New Payment Methods (2006)

FATF-GAFI New Payment Methods Risks

CRITERIA	HIGHER RISK	LOWER RISK
Customer Due Diligence	anonymous	identified/verified
Record-Keeping	not retained/accessible	retained/accessible
Value Limits	no limits	amount/transaction limits
Methods of Funding	via anonymous/multiple	via identified sources
	sources	subject to oversight
Geographical Limits	wide	narrow
Usage Limits	anonymous/varied	Identified/limited
	acceptance/unlimited	acceptance/restricted
Segmentation of Services	dispersed/outsourced	single provider

FATF-GAFI Virtual Currencies AML Risks

Convertible virtual currencies

- are potentially vulnerable to money laundering and terrorist financing abuse
- may allow greater anonymity than traditional non-cash payment methods

Virtual currency systems

- can be traded on the Internet (global reach)
- generally characterized by non-face-to-face customer relationships
- may permit anonymous funding
- may permit anonymous transfers
- may operate in jurisdictions with inadequate controls

Decentralized systems

- are vulnerable to **anonymity risks**. E.g., Bitcoin...
 - addresses have no names or other customer identification attached
 - has no central server or service provider
 - does not require or provide identification and verification of participants
 - does not generate historical records of transactions associated with real world identity
 - has no central oversight body
- no AML software is currently available to monitor and identify suspicious transaction patterns
- law enforcement cannot target one central location or entity for investigative or asset forfeiture purposes

ISSUER OF DIGITAL CURRENCY



- a medium of exchange offered over the Internet
- Global acceptance without the need for conversion between national currencies

USED FOR ONLINE COMMERCE AND FOR FUNDS TRANSFERS BETWEEN INDIVIDUALS

FOUR PRIMARY STEPS

- 1. Opening a digital currency account
- 2. Converting national currency into "e-gold" to fund the account
- 3. Using "e-gold" to buy a good or service or transfer funds to another person
- 4. Exchanging "e-gold" back into national currency

PARTIES NEEDED:

- Digital currency exchanges
- Merchants or individuals that accepted "e-gold"

ABILITY TO OPERATE ACCOUNTS ANONYMOUSLY

- Highly-favored method of payment by operators of "get-rich-quick" scams
- ALL TRANSFERS OF "E-GOLD" WERE IRREVOCABLE AND IRREVERSIBLE

E-Gold

2008-07 Guilty Plea

- Conspiracy To Launder Monetary Instruments (federal)
- Conspiracy To Commit The Offense Against The United States (federal)
- Operating Of Unlicensed Money Transmitting Business (federal)
- Transmitting Money Without A License (District of Columbia)

"The root causes of E-Gold's failure were design flaws in the account creation and provisioning logic that led to the unfortunate consequence of vulnerability to criminal abuse.

"We acknowledge that E-Gold is indeed a financial institution or agency as defined in US law and should be regulated as a financial institution."

Douglas Jackson, E-Gold Founder

Liberty Reserve Indictment

[x] ANONYMITY \rightarrow product has to dissuade the bad element, never attract it.

- "deliberately attracting, and maintaining a customer base of criminals by making financial activity on LR anonymous and untraceable."
- "designed so that criminals could effect financial transactions under **multiple** layers of anonymity and thereby avoid apprehension by law enforcement."

[y] COMPLIANCE \rightarrow product and operations cannot be in violation of any applicable laws and regulations (the "form" or "paper" side of compliance).

- "was not registered as a money transmitting business with FinCEN"
- "operated an unlicensed money transmitting business."

[z] SUBSTANCE \rightarrow what is written in their policy must actually be implemented. Businesses must be run with integrity, responsibility and control.

- "intentionally creating, structuring, and operating LR as a criminal business venture, one designed to help criminals conduct illegal transactions and launder the proceeds of their crimes."
- "lying to anti-money laundering authorities in Costa Rica, pretending to shut down LR after learning the company was being investigated by US law enforcement (only to continue operating the business through a set of shell companies)"
- "created a system to feign compliance with anti-money laundering procedures,
 [...] including a 'fake' portal that was manipulated to hide data that LR did not
 want regulators to see."

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FinCEN Guidance FIN-2013-G001

FinCEN Guidance FIN-2013-G001

- "An administrator or exchanger that (1) accepts and transmits a convertible virtual currency or (2) buys or sells convertible virtual currency for any reason is a money transmitter under FinCEN's regulations [...]"
- "Under FinCEN's regulations, sending "value that substitutes for currency" to another person or to another location constitutes money transmission, unless a limitation to or exemption from the definition applies. This circumstance constitutes transmission to another location, namely from the user's account at one location (e.g., a user's real currency account at a bank) to the user's convertible virtual currency account with the administrator."
- "[...] a person that creates units of convertible virtual currency and sells those units to another person for real currency or its equivalent is engaged in transmission to another location and is a money transmitter.

Who is a money transmitter in the USA?

IS

...whoever <u>as a business</u>:

- Exchanges virtual currency for government currency, and one virtual currencies for another (e.g., exchanges)
- Mines and makes a payment to a third party on behalf of a customer (e.g., for-profit miners)
- Accepts value from A and delivers it to B (e.g., some wallets)
- Accepts value from A and delivers it to A at a different time or place (e.g., vaults)

IS NOT

...whoever

- Mines, uses or invests virtual currency for own benefit
- Provides network access services to money transmitters
- Acts as a payment processor by agreement with a seller or creditor
- Acts as intermediary between BSA-regulated institutions

Foreign-Located MSBs

(September 19, **2011**)

Foreign-located MSBs are financial institutions under the BSA (Bank Secrecy Act). With respect to their activities in the United States, foreign-located MSBs must comply with recordkeeping, reporting, and anti-money laundering (AML) program requirements under the BSA. They must also register with FinCEN."

Foreign-located MSBs are **subject to the same civil** and criminal penalties for violations of the BSA and its implementing regulations as MSBs with a physical presence in the United States.

exchange rate t. No stabilising authority emer of last ed to accept a s. Not legal tender vitch between different sily, r. Interconnectedness to FC from VC to orting requirements to any .g. of suspicious q. No reporting ional p. Lack of corporate capacity and governance

pensation or o. Lack of access to redress

n. No complaint process ers to complain

often not m. No separation of accounts ent

financial I. Insufficient funds or VC units of

> k. Information is neither objective nor equally distributed

2014 **EBA** Opinion

2014 **European Banking Authority Opinion on Virtual Currency RISK DRIVERS**

a. VC schemes can be created (and their functioning subsequently changed) by anyone, anonymously

b. Payer and payee are anonymous

c. Global reach

the internet-based nature of VC sc respect national and, therefore, jur boundaries

Transmitte

person-to-

anonymou

VC trans

refunds transact

the feature

misreprese definitions

exchange is neither audited nor d. Lack of probity probity standards, and is subjeand seizure

market participants are not e. Not a legal person as entities that could be sul standards

price formation on ex subject to reliable sta f. Opaque price formation significantly between manipulation of excha

g. No refunds or payment guarantee

the regulatory treatment is h. Unclear regulation creates uncertainty for mar participants

i. Lack of definitions and standards

the IT systems, infrastructi encryption are either insec j. Inadequate IT safety and, in the case of the pro miners

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Money transmitters and their agents are perceived as

HIGH RISK of

- ABUSE TO CONSUMER
 - MONEY LAUNDERING
- TERRORIST FINANCING

Money transmission = highly regulated industry

How Can We Abuse Consumers?

- Loss of funds
- Wrong product/service
- Failed transactions
- Overpricing
- Divulging/losing private data
- Claims ignored

How Can Money be Laundered Through Us?

- Identity theft & impersonation
 OFFICE
 Structuring

- BACK Fraudulent actsOFFICE Lax controls

General risks (all Fls) → fake IDs, negligence, incompetence & wrongdoing

Money Transmitter Regulation (US)

Main Risk Areas

Anti-Money Laundering

Anti-Terrorism Financing (CFT)

Privacy and Information Security

Safety and soundness

Consumer protection

Main Statutes and Regs

BSA, USA PATRIOT Act, Money Laundering Acts

USA PATRIOT Act, OFAC

Gramm-Leach-Bliley

State (via licensing)

State (via licensing) + Dodd-Frank / Regulation E (CFPB)

Focus -> AML/BSA + State Compliance

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Program Design Tips

- 1. Always understand the flow of DATA and the flow of MONEY.
- 2. Life-cycle management and the right mix of detective and deterrent techniques, including effective training, are key.
- 3. Document or perish

Bottom-Up Program Design

1. Map Flows, and Processes

6. Enhance and **Improve**

2. Identify Risks

Spirit of law + Engineering Mindset

5. Execute and Measure

3. Design Controls

4. Write PPCs

Corporate Safeguards*

- 1. A designated compliance officer + professional team
- 2. Written policies and procedures + operational controls:
 - Licensing, renewal and reporting procedures (S)
 - Registration, record-keeping and report-filing procedures (F)
 - KY (Know Your...) Subprograms: Acceptance, monitoring, correction and termination
 - KY...Customer
 - KY...Agent
 - KY...Foreign Counterparty
 - KY...Employee
 - KY...Vendor
 - Monitoring, analysis and investigating procedures
 - OFAC compliance program
 - Response to official information requests
 - Privacy and information security protection protocols
- 3. An on-going training program
 - Risk & Compliance Committee
- 4. An independent compliance auditing function

Customer Identification

Non-Face to Face → Card not present standards

DOCUMENTARY \rightarrow Review an unexpired government-issued form of identification from most customers.

- evidence of a customer's nationality or residence
- photograph or similar safeguard
- form a reasonable belief that of the true identity of the customer.
- E.g.: driver's license (U.S.) or passport.

NON-DOCUMENTARY → Independently verifying the customer's identity through the comparison of information provided by the customer with information obtained from a consumer reporting agency, public database, or other source

- contacting a customer
- checking references or obtaining a financial statement

"What customers do speaks so loudly that I cannot hear what they're saying."

(Paraphrasing Ralph Waldo Emerson)



Customer identification vs. customer knowledge

BEHAVIORAL ANALYTICS

Machine Learning (AI) Methods

SUPERVISED LEARNING: relies on two labeled classes (good vs. bad)
Goal → Detect <u>known</u> suspicious patterns

- 1. Training set:
 - a. Select dataset with clean and dirty cases.
 - b. Classification algorithm to discriminate between the two classes (*finds the rules or conditions*)
 - c. Probabilities of class 1 and class 2 assignment
- 2. Run discrimination method on all future purchases.

UNSUPERVISED LEARNING: no class labels

Goal → Detect *anomalies*

- 1. Takes recent purchase history and summarize in descriptive statistics.
- 2. Measure whether selected variables exceed a certain threshold. (*deviations from the norm*)
- 3. Sounds alarm and records a high score.

Known Suspicious Behaviors

- Structuring (Many-to-one)
- High amounts
- High frequency
- Use of multiple locations
- Use of multiple identities
- Use of untrusted device
- Values just below threshold
- Immediate withdrawals

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Risks & Stakeholders

Risk Areas

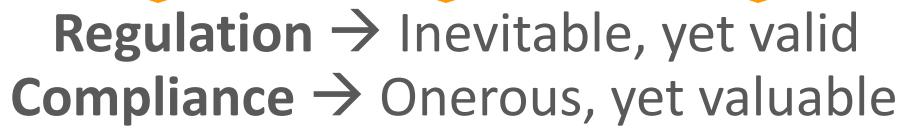
- operational
- credit
- money laundering
- terrorist financing
- information loss
- liquidity
- fraud
- Identity Theft

Stakeholders

- federal agencies
- state agencies
- investors
- consumers
- employees
- society

Goals

- safety
- soundness
- security
- privacy
- crime prevention
- health
- integrity



- Prevention trumps damage control
- Risk MGT

 Both reducing downside and increasing upside
- Simplicity and common sense
- Train for behavior change, not theoretical knowledge
- Form-substance continuum → substance
- Letter-spirit continuum

 focus on spirit (underlying purpose and values) facilitates
 - Operational synergies (leveraging tech)
 - Compliance without compromising performance
 - Flexibility and sustainability

Evolution of RBanking y Relations

VALUES AND CULTURE

REGULATORY RELATIONSHIP

Minimum Standards

As little as can get away with Unthinking, mechanical

Compliance Culture

By the book Bureaucratic

Beyond Compliance

Risk focused, self-policing Ethical business

Values-based

Spirit, not just letter Focus on prevention Strong learning

Policing

Enforcement lesson Basic training

Supervising / Educating

Look for early warnings Themed, focused visits

Educating / Consulting

Culture development Lighter touch

Mature relationship

Reinforce best practice
Benchmark
Reallocate resources to problem firms

FORM (seem)

Handbooks, written policies, talk (lawyers, public relations)



SUBSTANCE (be)

Operationalization, quality, walk (compliance officers, engineers, leaders)

"Prosecutors are looking for *substantive* AML programs (not just paper ones) in determining whether you're a **victim** or a **suspect**."

Former federal prosecutor

"A well-written AML program will not by itself be sufficient. It's the everyday **operation**, the **execution** and **delivery**, that matters."

Wells Fargo MSB Risk Manager

NNOVATF MPLEMENT NFLUENCE

Merci beaucoup!

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