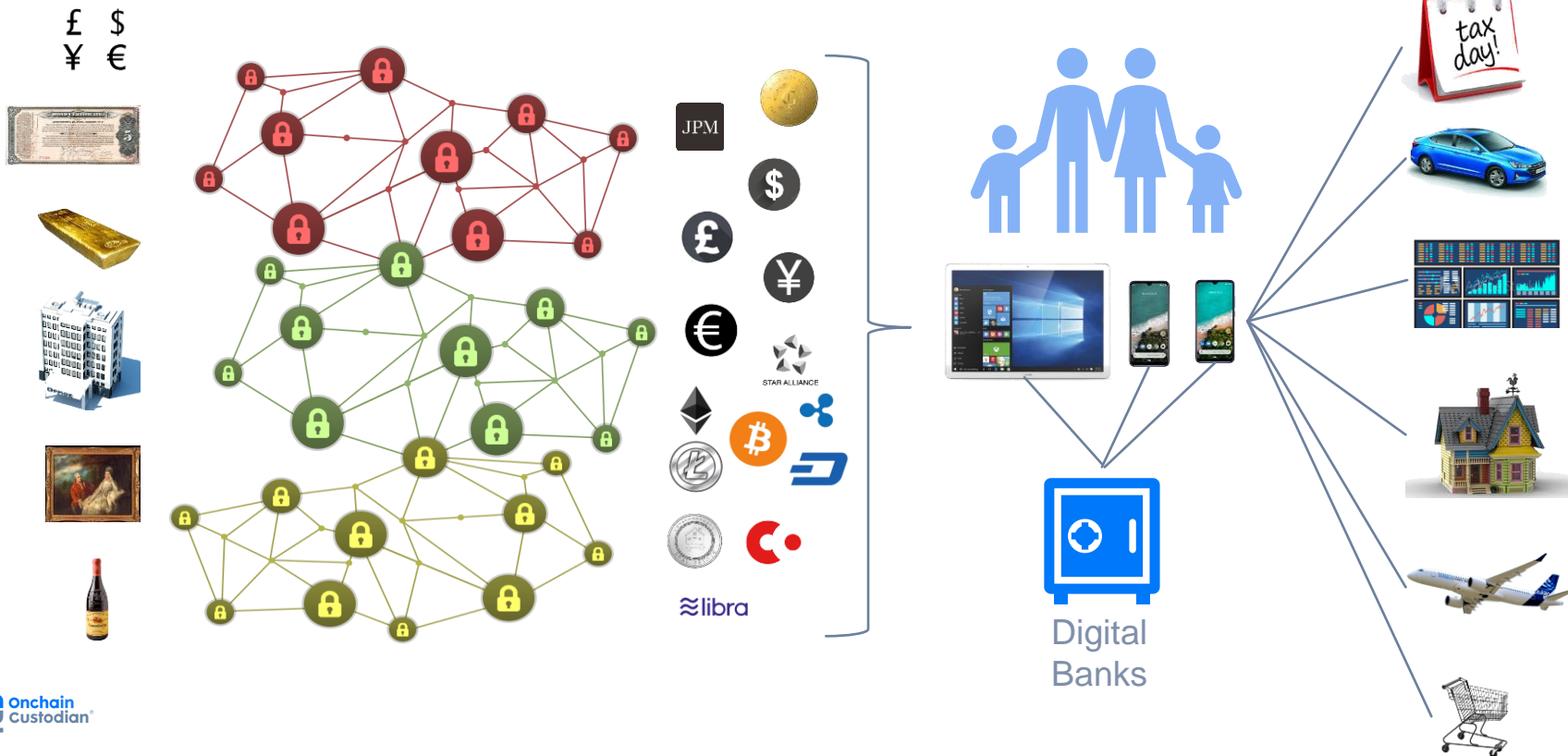




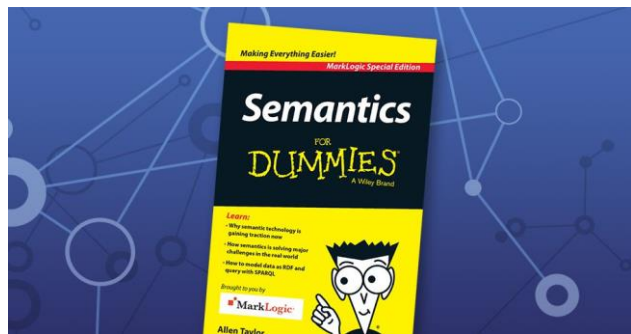
THE ABSOLUTE SAFE FOR DIGITAL ASSET

The state of standardization in the digital asset industry

This is what the Future will look like!



Standardization Challenges



Overview of the cryptocurrency market

Overview of the cryptocurrency market

Legend:

- Payments/Currency
- Gaming, Media, & Social
- FinTech
- Computing, Data Management & Cloud Services
- Platforms
- Others
- Protocols, Exchanges & Interoperability
- Privacy Coins
- Business & Enterprise

Major Cryptocurrencies:

NAME	TICKER	YEAR FOUNDED
Bitcoin	BTC	'09
Litecoin	LTC	'11
Bitcoin Gold	BTG	'17
Cash	BCH	'17
Decred	DCR	'16
Nano	NANO	'14
Dogecoin	DOGE	'13
Binance Coin	BNB	'17
Kyber Network	KNC	'17
0x	ZRX	'16
Aion	AION	'17
ICX	ICX	'17
Golem	GNT	'16
Augur	REP	'15
Aragon	ANT	'17
Power Ledger	POWR	'16
Storm	STORM	'17
Strem	STEEM	'16
Lisk	LSK	'16
Rchain	RHO	'17
Nxt	NXT	'13
PIVX	PIVX	'15
Verge	XVG	'12
Dash	DASH	'14
DigiByte	DGB	'16
Waves	WAVES	'16
Huobi Token	HT	'17
Bytom	BTM	'17
Hshare	HSR	'17
Wanchain	WAN	'17
SONM	SNM	'17
Siacoin	SIA	'15
DentaCoin	DCN	'17
Aeternity	AE	'17
Sub-stratum	SUB	'17
Tron	TRX	'17
Basic Attention	BAT	'17
Elastos	ELA	'17
Skycoin	SKY	'13
Zcoin	XZC	'15
Bitcoin Diamond	BCD	'17
Gas (NEO)	GAS	'14
MonaCoin	MONA	'13
BitShares	BS	'13
Loopring	LRC	'17
Bancor	BNT	'16
Ark	ARK	'17
Byteball Bytes	GBYTE	'16
aelf	ELF	'17
MaidSafe Coin	MAID	'14
IOTA	IOTA	'15
Cortex	CTXC	'17
Loom Network	LOOM	'17
Nebulas	NAS	'17
Status	SNT	'17
ReddCoin	RDD	'14
ZenCash	ZEN	'17
Bitcoin Private	BTCP	'17
Electroneum	ETN	'17
USD Tether	USDT	'15
KuCoin Shares	KCS	'13
Giftco	GTO	'17
QuantStamp	QSP	'17
Mixin	XIN	'17
ilx.ec	RLC	'16
Storj	STORJ	'15
GXChain	GXS	'17
Holo	HOT	'17
Wayki-Chain	WICC	'17
Kin	KIN	'17
FunFair	FUN	'16
WAX	WAX	'17
Revin	R	'17
CloakCoin	CLOAK	'14
Komodo	KMD	'17
Ripple	XRP	'12
Stellar	XLM	'14
OmiseGo	OMG	'17
Populous	PPT	'15
Polymath	POLY	'17
MakerDAO	MKR	'14
DigiDAO	DGD	'14
Request Network	REQ	'17
QASH	QASH	'17
Iconomi	ICN	'16
TenX	PAY	'15
Fusion	FSN	'17
Salt	SALT	'16
Ethos	ETHOS	'17
Monaco	MCO	'16
VeChain Thor	VET	'17
Walton-chain	WTC	'17
Stratis	STRAT	'17
Ontology	ONT	'17
Ardor	ARDR	'16
IOStoken	IOST	'17
Dragon-chain	DRGN	'17
Factom	FCT	'14
Centrality	CENNZ	'16
Ubiqui	UBQ	'14
Emercoin	EMC	'14
Nuls	NULS	'17
Neblio	NEBL	'17
Syacoin	SYS	'17
?	?	?

Standardization & Hamonization Initiatives



Standardization & Hamonization Initiatives



Global Digital Finance



Crypto Asset Safekeeping & Custody - Key Considerations and Takeaways:

This document provides an overview of different custody solutions and customer considerations for custodians, focusing on education and best practice from the users perspective.

Working Group Chairs



Alexandre Kech
OnChain Custodian



Herve Francois
ING

GDF Code of Conduct Part VIII - Principles for Custody DRAFT

Additional draft principles for Custody. This document should be read in conjunction with the overarching code.

ISO 20022 open API for withdrawal request and status

Code of Conduct

Regulatory compliance

- Early stage of regulation
- KYC/AML/CFT
- Contract law
- Consumer protection
- Criminal law

Legal

- Transparency
 - Corporate details
 - Licence
 - Insurance
 - Asset types
 - Risks

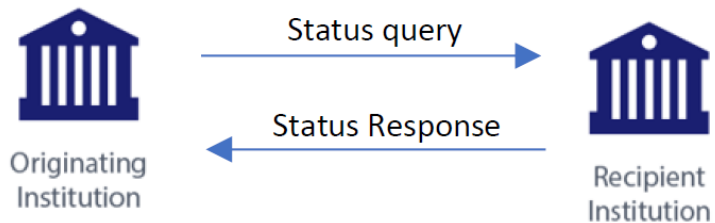
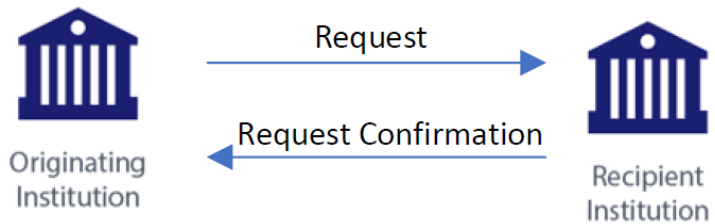
Technical

- Latest security measures in place
- Private key management
- Collusion prevention techniques

Operational

- Checks and Balances
- Reporting
- Segregation of accounts
- Operational risk transparency
- Auditing
- BCP and back-ups
- Background screening
- Third-party due diligence

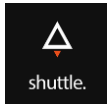
ISO 20022 APIs



MESSAGE ITEM	OR	XML TAG	MULTIPLICITY
TransferDigitalToken		<TrfDgtITkn>	[1..1]
Request		<Req>	[1..1]
TransferRequestIdentification		<TrfReqId>	[1..1]
RequestedTransferDate		<ReqdTrfDt>	[0..1]
Date	or	<Dt>	[1..1]
Code	or	<Cd>	[1..1]
DateTime	or	<DTm>	[1..1]
DigitalTokenIdentification		<DgtITknId>	[1..1]
Identification		<Id>	[1..1]
ShortDigitalTokenIdentifier	or	<ShrtDgtITknIdr>	[1..1]
Type		<Tp>	[1..1]

Custody Working Group Members

securosys



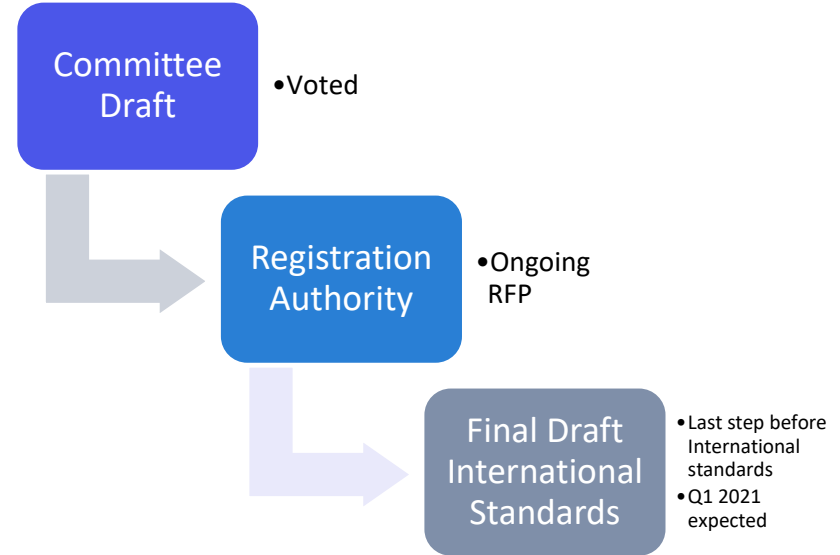
Standardization & Hamonization Initiatives



ISO TC68 SC8
WG3 Digital
Token Id



Digital Token Identifier



Other ISO Standards

| Blockchain and digital assets

ISO 22739

Approval Stage

fundamental terminology for blockchain and distributed ledger technologies.

ISO 23245.2

Committee Stage

security risks, threats and vulnerabilities

ISO 23244

Publication Stage

privacy and personally identifiable information protection considerations

ISO 23576

Committee Stage

security management of digital asset custodians

Other ISO Standards

| Good ones that should be reused

ISO 20022

a central dictionary of business items
used in financial communications

a modelling methodology to capture in a
syntax-independent way financial
business areas, business transactions and
associated message flows

ISO 17442 Legal Entity Identifier

20-character, alpha-numeric code

key reference information that enables
clear and unique identification of legal
entities

254900AK72ZT65LWAB60

Bloomberg LEI

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Downloads

FAQ

Contact

Log In

Create

Update

Renew

Transfer

Onchain Custodian Pte. Ltd.

Bloomberg LEIs

Q

LEI: 254900AK72ZT65LWAB60

Entity			
Legal Name	Onchain Custodian Pte. Ltd.		
Legal Address (English)	20 Collyer Quay #11-04 Singapore, Central Singapore (SG-01), 049319 SINGAPORE	Headquarters Address (English)	20 Collyer Quay #11-04 Singapore, Central Singapore (SG-01), 049319 SINGAPORE
Legal Jurisdiction Country	SINGAPORE		
Legal Jurisdiction Region	Central Singapore (SG-01)		
Registration Authority			
Registration Authority	Accounting and Corporate Regulatory Authority (ACRA) (RA000523)		
Registration Entity ID	201826040W		
Legal Form	Company (Local) (LWXI)		
Entity Status	ACTIVE		
Website	https://oncustodian.com		

Standardization & Harmonization Initiatives



Standardization & Hamonization Initiatives



Joint WG for
InterVASP
Messaging
Standards

CHAMBER OF
DIGITAL
COMMERCE



IDAXA

Participating Industry Bodies

- **Chamber of Digital Commerce**

Co-lead: Amy Kim



- **Global Digital Finance**

Co-lead: Malcolm Wright



- **International Digital Asset Exchange Association**

Co-lead: Anson Zeall



Joint Working Group

- Develop standards in areas of common interest that are capable of being adopted by industry bodies
- Cross-industry, cross-sectoral collaboration
- Participants drawn from VASPs, other obliged entities undertaking VA activities, industry bodies, academics, technical solution providers, standards-setting bodies, supervisors, and other public sector bodies
- 109 technical experts, of which 57 are Members (e.g. VASPs)

interVASP Messaging Standard IVMS101

- *Universal common language for communication of required originator and beneficiary information between virtual asset service providers*
- Data model for use in the submission of required originator and beneficiary information by originator VASPs to beneficiary VASPs

IVMS101

It is

- a data model of the message payload of FATF-required information exchanged between VASPs
 - *Data definition, structure & constraints*
 - *Transformation rules*

It is not

- a technical solution
- an implementation
- a protocol
- a governance mechanism

Standardization & Harmonization Initiatives



Onchain Custodian Highlights

Team

Da Hongfei

Co-Founder &
Chair of Board,
Founder of NEO and Onchain

Alexandre Kech

Co-Founder & CEO,
Former Bank of New York and
SWIFT executive

Raymond Cheong

Co-Founder & CSO,
Former KPMG China partner and
IBM executive

El Lee

Co-Founder & COO,
Former investment banker, worked
at CIMB and J.P. Morgan

Stakeholders






Partnerships

Secured by



Insured by



Regulation & Compliance

KYC Partner



AML Partner



Legal Partners

EVERSHEDS
HARRY ELIAS
Linklaters

New Payment Service Act
(PSA) license applicant



Corporate Memberships



Our CEO co-chairs the GDF Custody
WG & Convenes the ISO WG on
Digital Token Identifier

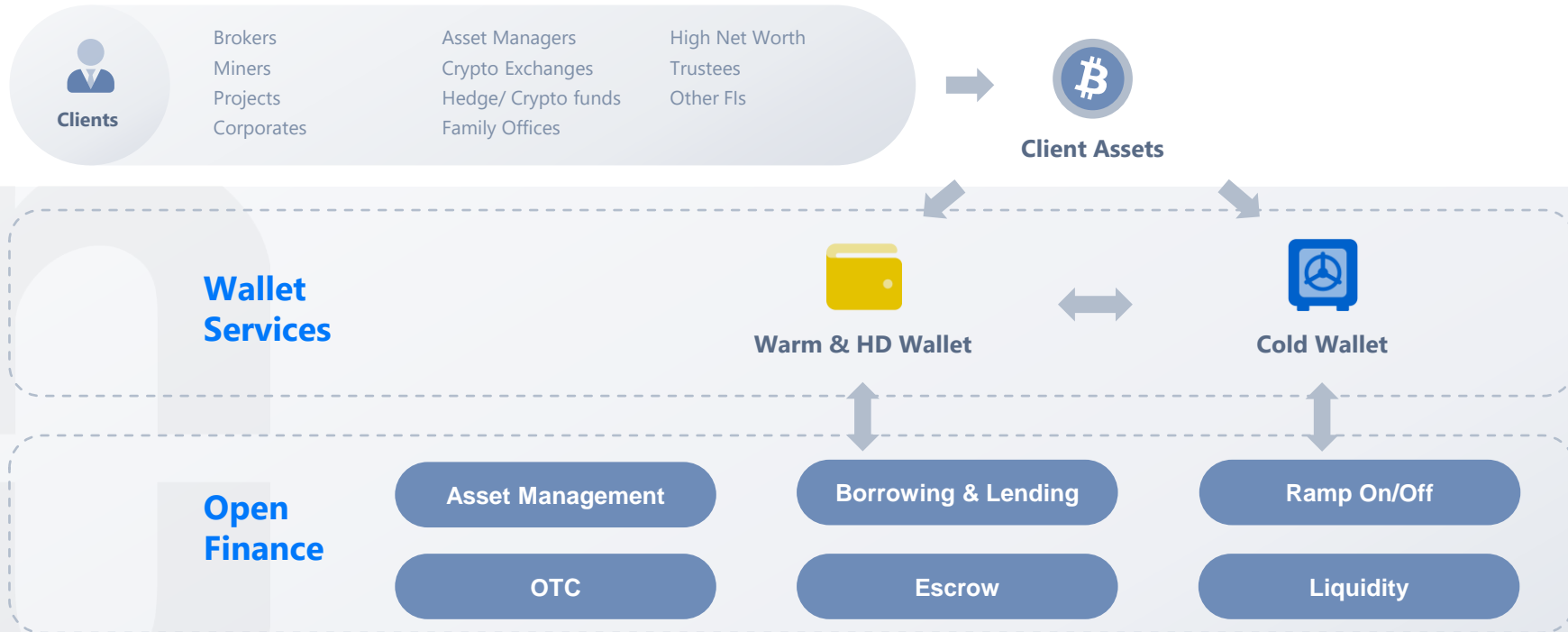
1st Prize Fintech Award



MAS / ABS
Fintech Award 1st Prize
(Singapore Founder)

Products and Services

Secure single-window access to digital assets and open finance services



Partnerships

Thanks to customer feedback and trusted partners, we have evolved SAFE™ from cold storage to full-service in just 10 months

SAFE™ platform & compliance partners

Main Technology Partner

Onchain

FIPS Level 4 HSMs

IBM

Cybersecurity Auditor

nccgroup

Penetration Testing

知道创宇

KYC Compliance

ACCUITY

AML/CFT Compliance

MERKLE SCIENCE

Open finance value-added service partners

OTC / Escrow

BINANCE TRADING

itBit
by PAXOS

Pacific Trustees
Group International
The Trust Company

QCP CAPITAL

CAMELOT TRUSTEES LIMITED
Co. Registration No. 2012208682

Market Making

KEY ROCK

Lending & Borrowing

celsius network

贝宝金融
BABEL FINANCE

Active Account Management

Alfa 1

THREE ARROWS CAPITAL

Staking

Staked

Ramp-On / Off

BINANCE

QCP CAPITAL



Thanks!