

New Business Initiatives Task Force Session 6

Transforming CSD Services Through Innovative Technology

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March 2019

ISO 20022 for Community and New Technology

New technologies: community and collaborations ISO 20022 for new technology



Community and Collaborations



Community and Collaborations



Facilitating collaboration between IT, business and the market place.

Located in New York, Brussels, London and Hong Kong

Inspiring and encouraging innovation Sandbox



A funds independent research institute that supports knowledge-led debate by academics and financial practitioners, on important topics affecting industry and its customers such as technology and innovation



Reinforcing collaborative innovation in financial services

Start-up Challenges, Innotribe@Sibos, Industry Chalenges



SWIFT is a founding member of this open source project aimed at advancing crossindustry blockchain technologies. Hosted by the Linux Foundation.



SWIFT contributes to various ISO groups including the investigating of how existing messaging and reference data standards can be re-used in a DLT context, driving global interoperability.



Under the CSD Working Group on DLT, SWIFT and CSDs signed MOU to work together to demonstrate how DLT can be implemented in post-trade scenarios.



Engaging the community to explore potential used cases in payments
Collaborative PoCs – nostro recon, GPI Link



Collaborative PoCs – SWIFT, SLIB, SGX and 4 banks conducting PoC to test a PoC on e-Voting using DLT



CSD Working Group on DLT



Projects



Infrastructure for Crypto Assets

Settlement of Crypto-Assets

Safekeeping of Crypto Assets



Standards expertise Ensure alignment with ISO 20022 CSDs collaborating to demonstrate how distributed ledger technology could be implemented in post-trade scenarios

WG chair and stream leaders:











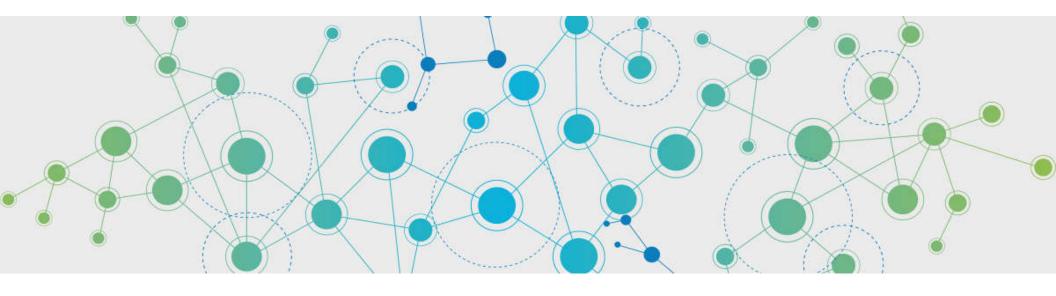
Expert representation from 30 institutions and CSDs:

ADX, BCV, BNP Paribas, BNY Mellon, Broadridge, CVA, CDS Canada, Clearstream, Credit Suisse, CSCS Nigeria, DCV Chile, DB, DB Group, DTCC< Euroclear, HKEx, ISSA, KDD Slovenia, KSD, KSEI, Marcolear, Nasdaq, NSD, NSDL, SGX, SIX, SLIB, SCB, Strate, SWIFT, TSE...and others



ISO 20022 for new technology



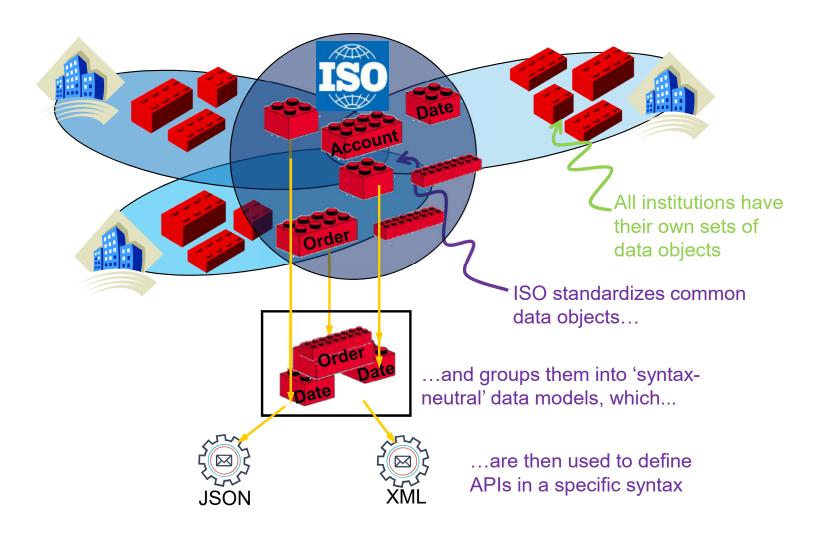


"Whatever the technology, in multi-party networked business, participants need to agree on the meaning and content of shared data, business processes, roles and responsibilities.

This is the domain of *business standards*"



ISO 20022: addressing the need of unified business standards for new technology





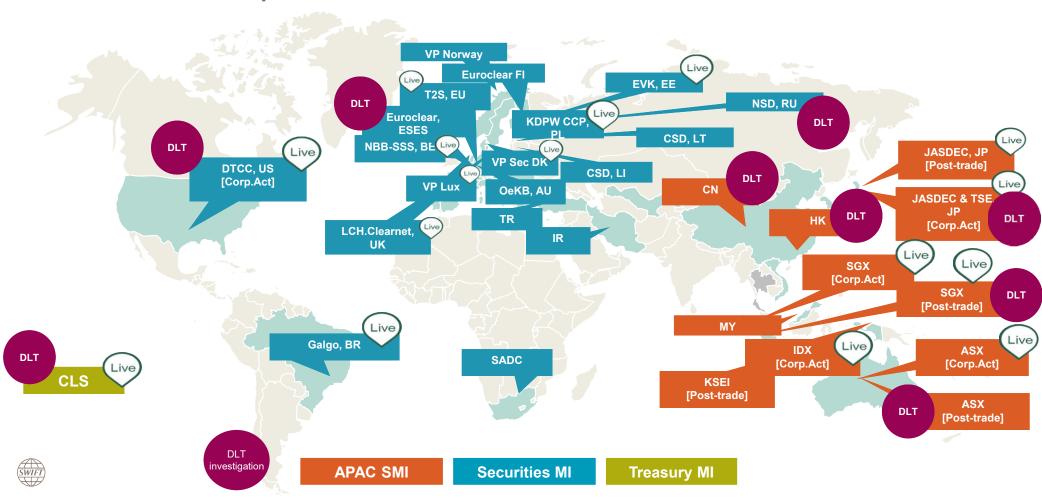
ISO 20022 architecture and re-use

_			definitions
Iso 20022 as a messaging standard	Business / Conceptual	Defines financial concepts, e.g., 'Credit Transfer' and business processes	ы
The logical message layer references the business layer for semantic definitions	Logical	Defines e.g. credit transfer messages, to serve the business process	
	Physical	Defines physical syntax, e.g. XML	
The logical DLT implementation re-uses business concepts to ensure interoperability with messaging	Business / Conceptual	Defines financial concepts, e.g., 'Credit Transfer' and business processes	
	Logical	A 'logical' implementation - defines data and behaviour based on new paradigm assumptions	
	Physical	A physical implementation using e.g. JSON	

Shared business



ISO 20022 adoption and DLT investigation – Securities MI & Treasury MI From discussion to implementation



Examples: Standardisation and APIs



Cooperative expedites standardisation to foster financial industry API adoption

Brussels, 16 October 2018 - SWIFT has today published a blueprint for common API standards following collaboration with European banking standards bodies, STET and Berlin Group NextGenPSD2 - who together represent many of the region's banks and payment service providers.

Read the full press release

- · Concluded a first phase
- Account Information Services
- ISO20022
- Avoid fragmentation, isolation and needless complexities



- Banking Industry Architecture Network
- Launch API Exchange (Oct 2018)
- Created by 35+ developers from leading banks & vendors (incl. SWIFT)
- Accordance with ISO20022



New API standard will drive uptake of innovative instant loan approval process, increasing payment and borrowing choices for consumers

Brussels, 16 January 2019 - SWIFT has today published a standard for "Pay Later" APIs in a key step toward enabling the rapid adoption of an innovative new consumer payment model. Pay Later is an instant online payment facility which offers customers the ability to use traditional bank loan financing to pay for goods purchased online. By selecting Pay Later at the point of purchase, customers are provided with available loans from their banks; they can then select and initiate a loan, knowing that the funds can immediately be credited to the merchants and items dispatched. By offering the Pay Later option, merchants are in turn able to ofter a wider variety of purchase options and to reach a wider consumer authence, whilst still ensuring surety of payment.

Read the full press release (PDF)

- Regulatory action creates more competition in financial services, higher compliance costs, lower revenues for banks
- Merchants seek frictionless payments, low cost, maximum buying power at point of purchase and reduced fraud and chargebacks
- Full alignment with ISO20022



Value of ISO 20022 for Fintech

Open and Collaborative Open and Standard global standard

Simplifies API Integration

Platform & Technology Agnostic

Rich and Proven

Note: N

language

Tech-neutral business

Machine-processable repository of content





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