Technical Committee Meeting

CHESS messaging & ISO 20022 Project

Tuesday 13 December 2016



Agenda

Welcome

Update - December Business Committee Meeting

Objectives and Charter

ISO 20022 consultation responses

Global ISO 20022 adoption

High level gap analysis overview

MI Harmonisation for adoption of ISO 20022

ISO 20022 adoption and engagement roadmap

Next steps



Update - December Business Committee Meeting

Roadmap for Post-Trade Service Infrastructure

	2015	2016			2017				2018				
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Review of technology options													
Selection of DLT partner													
DLT prototype build													
Vendor system build													
Project updates - webinars, web & email													
ISO 20022 analysis - ASX & SWIFT													
Stakeholder DLT prototype demonstrations													
Stakeholder consultation activities													
Stakeholder business requirements process													
Stakeholder technical workshops													
Technical Committee – ISO 20022 – ASX & customers, stakeholders													



Objectives and Charter

- Roles and responsibilities
- Activities
- Membership
- Updates to other working groups
- Confidentiality
- Chair
- Meetings
- Secretariat, publishing material

Comments?



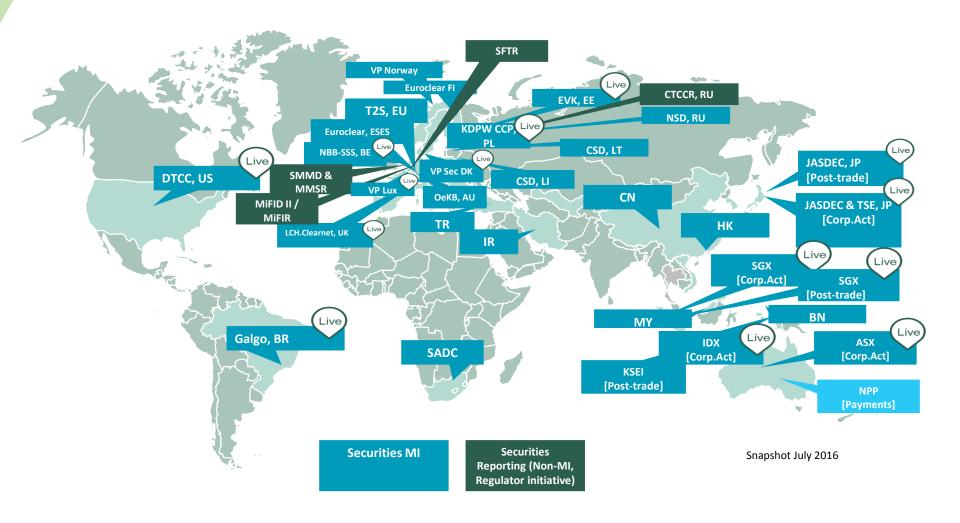
Consultation responses – ISO 20022

36 responses received, general themes from responses to Q7 to Q14:

- majority support for adoption of global standard; alignment with NPP standard, other markets
- range of opinions from negative to positive on initial expense, expected benefits, cost savings; global vs. domestic players
- maintaining existing CHESS messaging though transition is preferable; shouldn't hold up any new services offered on ISO 20022 only
- reliance on vendors to assist with ISO 20022 adoption, transition
- more clarity required on scope, phasing, messages not ISO 20022
- be mindful of diminished benefit if it becomes "Australianised"
- ASX provided interface options (e.g. CHESS PC, CHESS Access) should be maintained
- ISO 20022 knowledge/capability across the equity post trade industry varies greatly
- time to implement varies from needing more information to assess, 6 months to 3 years
- expect further consultation on implementation model, ASX to share other market experiences
- support for connectivity/network options



Global ISO 20022 adoption





High level gap analysis outcomes

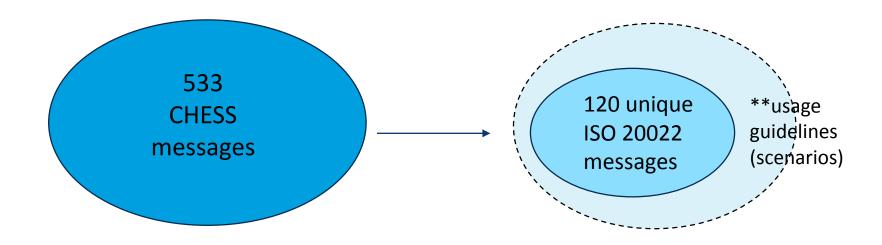
CHESS business area and EIS message scope

CHESS Business Area scope	# CHESS messages
Holder Management	57
Holding Movement	63
Clearing and Settlement	80
Collateral Management	68
Takeover	22
mFund	85
Miscellaneous	6
Operations Admin	7
Reporting	43
RTGS Settlement	28
Electronic Trade Confirmation	30
Stock Lending	12
Tri Party Collateral	32
Total	533



High level gap analysis outcomes

Indicative mapping of CHESS messages to ISO 20022



CHESS message scope for HLGA	Expected # existing ISO messages	Expected # new messages	Expected # T2S* messages	Total expected # ISO messages	
533	60 +	32 +	28 +	= 120	

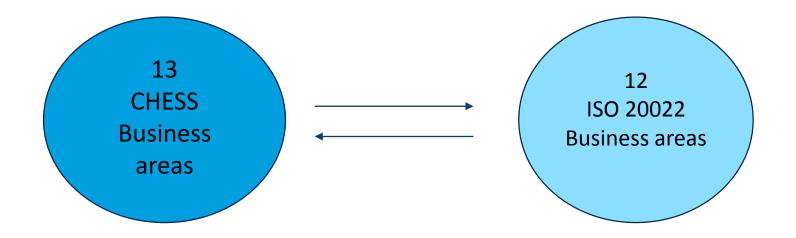


^{*}T2S has developed new messages yet to be registered with ISO

^{**}usage guideline = instance of a message to define a business scenario

High level gap analysis outcomes

Indicative ISO 20022 business areas



CHESS	Business	areas
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Holder Management	Operations Admin
Holding Movement	Reporting
Clearing and Settlement	RTGS Settlement
Collateral Management	Electronic Trade Confirmation
Takeover	Stock Lending
mFund	Tri Party Collateral
Miscellaneous	

ISO 20022 Business areas

Account Mgmt	acmt	Reference Data	reda
Administration	admi	Securities Clearing	secl
Authority	auth	Securities Event	seev
Cash Mgmt	camt	Securities Mgmt	semt
Collateral Mgmt	colr	Securities Settlement	sese
Payment C&S	pacs	Securities Trade	setr



Market comparison – ISO 20022 adoption

SMI	Business area coverage	No. of ISO business areas	ISO Business area	# of ISO messages	Adoption
ASX	Clearing and Settlement, Collateral – TPC, Collateral Management, ETC, Holder Management, Holding Movement, mFund, Miscellaneous, Operations Admin, Reporting, RTGS Settlement, Stock Lending, Takeover	12	Securities trade, Securities clearing, Securities settlement, Securities management, Securities Event, Collateral management, Account management, Reference data, Cash management, Payment clearing and settlement, Administration, Authority	120 – estimated after HLGA	Timeline tbc
SGX	Post trade system refresh Phase 1- Settlement and reconciliation including earmarking, Payment services (EPS/Giro direct debit, cash reporting)	4	Securities settlement, Securities management, Payments initiation, Cash management	25 (Phase 1)	Phased approach with Phase 1 for clearing members and Phase 2 for depository agents (~2-3 years)
JASDEC	PSMS (Pre-Settlement Matching System) and BETS (Book-entry Transfer System for Stocks, Corporate Bonds and CP, and Investment Trusts)	6	Securities settlement, Securities management, Securities trade, Administration, Cash management, Payment clearing and settlement	33 (if excluding BAH, 32)	5 years co-existence of ISO 15022 based proprietary messages with ISO 20022 till 2019 January
T2S	Securities settlement, liquidity management, auto-collateralisation, static data	6	Securities settlement, Securities management, Cash management, Reference data, Account management, Collateral management	130 including 82 T2S specific messages	Phased approach through migration waves: T2S is expected to end the full migration of the CSDs who participate in T2S by end of 2017.

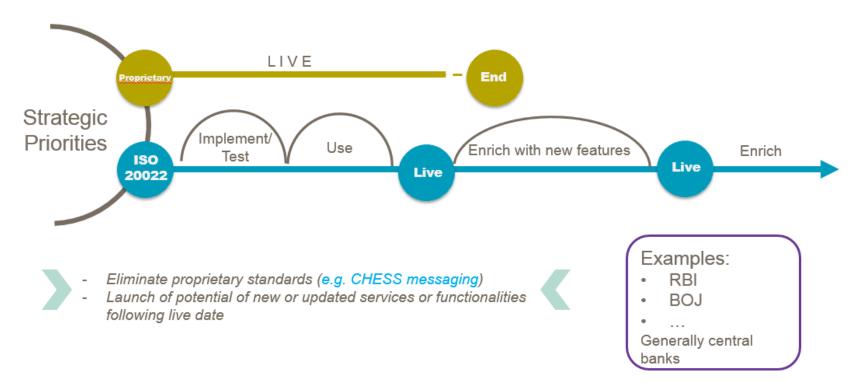
Source: ISO 20022 Adoption Report at iso20022.org

SWIFT - High level gap analysis recommendations

- Adopt ISO 20022 business model concepts
- Adopt standard message for common functions
- Use ISO standard reference identifiers where possible
- Support multi-currency currency indicator is mandatory
- Use of Business Application Header to identify services
- Simplify reporting model
- Comply with Market Infrastructure Harmonisation Principles
- Market training and consultation
- ISO adoption roadmap and timeline
 - Implementation model/strategies
 - Lead times for change requests, new message registration

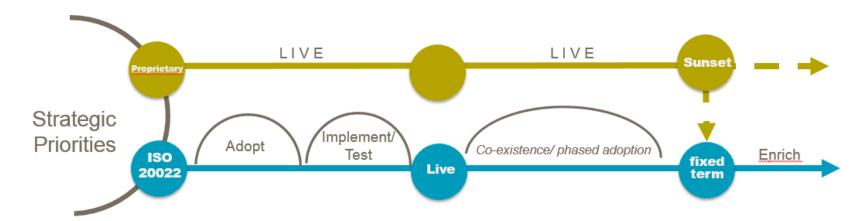
Market implementation strategies – adoption of ISO 20022

Big Bang Adoption



Market implementation strategies – adoption of ISO 20022

Planned Co-existence with sunset







- Implementation of ISO 20022 at later planned stage
- Have a fixed term for co-existence or specified sunset date (e.g. set by number of years, number of participants on-boarded, community suggestion, etc)

Examples:

- Jasdec
- SGX

Generally CSDs



Market Infrastructure Harmonisation for adoption of ISO 20022







Requirements and message definition

Business requirements defined between ASX and customers through stakeholder engagement

Draft message definition based on CHESS replacement requirements

- assume as-is mapping, unless requirements indicate a change
- iterative approach may lead to change, re-visit definition

What's out of scope for ISO 20022?

- business area review what is carried forward?
- trade reporting from AMOs will be via FIX messaging. Consultation on message format with AMOs.

Community view of usage guidelines via SWIFT MyStandards online portal

ISO 20022 work streams

	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
		2016			2017			2018				
CHESS vs. ISO 20022 high level gap analysis												
Detailed message mapping CHESS vs. ISO 20022												
Message guidelines finalisation, maintenance and change request management												
Preparation and submission to ISO of formal changes requests, new message specifications												
Technical Committee with stakeholders – monthly meetings												

Next steps

- Q1 2017 ASX to publish summary and response to consultation responses
- Next Technical Committee meeting February 2017
 - Agenda available 2 weeks prior
 - Detailed discussion on HLGA recommendations and key principles for adoption
 - Market education and training
 - Overview of MyStandards, ASX to set up MyStandards community, member access
- More information on ISO 20022: http://www.iso20022.org
- More information on CHESS Replacement & Technical Committee documents:

http://www.asx.com.au/services/chess-replacement.htm

Or email ASX project team: CHESSReplacement@asx.com.au

Thank you

