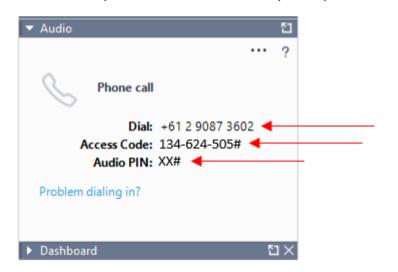


Joining by webinar

Please note that ASX is now using the GoToWebinar platform for this meeting. Details provided by email. Once you have registered and clicked on the link to join the webinar you will need to join the audio by phone, not PC. Each attendee will have a unique PIN assigned, as shown below. Please follow any instructions to check your system, PC.



Attendee Participation

Join audio:

- Choose Telephone and dial using the information provided
- You will need the unique 2 digit audio pin to ask questions.



Important information – Competition Law Policy

Committee members are reminded to have regard to their obligations under competition law. In particular, please note recent changes to the Competition and Consumer Act to prohibit a corporation from engaging with one or more persons in a concerted practice that has the purpose, effect or likely effect of substantially lessening competition.



Agenda

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- 2. Minutes from last meeting, open actions
- 3. CHESS Replacement project update by ASX
- 4. ISO 20022 project update by ASX
- 5. Update from Business Committee (verbal)
- 6. Matters for Consideration:
 - MyStandards Community 'to-be' usage guideline feedback
 - Account Management Update consolidation
 - Overview of Technical Documentation
 - Overview of SWIFT MyStandards Readiness Portal

Next meeting



Forward agenda overview

6 February 2018 (Sydney)

- Member survey feedback
- ✓ SWIFT standards update
- Securities and cash movements
- ✓ Simplify status messages
- ✓ ISO 20022 mapping feedback

17 April 2018 (Melbourne)

- Consultation Paper overview, plan ahead
- ✓ Review 'as-is' mapping change profile
- ✓ Publication of 'as-is' collection
- Overview of key changes for the 'to-be' collection
- ✓ Case study consolidated netting messages
- ✓ 'To-be' collections and message naming convention
- ✓ BAH elements

22 May 2018 (Sydney)

- ✓ISO 20022 integration options
- Review of Notified Broker to Broker Trade 'to-be' messaging
- Registration details 'to-be' format
- √ Transaction Id allowable character set
- ✓Business Application Header (BAH) – 'to-be' format
- ✓ Data Source Scheme with ASX External code lists
- Use of BIC as Party Identifier adoption considerations
- ✓ Review of Netting 'to-be' messaging

26 June 2018 (Sydney)

- ✓ Review feedback on Netting 'to-be' messaging
- Further review of Notified Broker to Broker Trade 'tobe' message
- Registration details further details
- · Creation of account (HIN)
- ✓ More information on sample xml considerations
- ✓ Review of 'to-be' messaging

31 July 2018 (Melbourne)

- Consultation Paper responses
- Review feedback on 'tobe' messaging
- Account Management Update - consolidation
- Overview of Technical Documentation
- Overview of SWIFT MyStandards Readiness Portal

4 September 2018 (Sydney)

- ASX Consultation response
- Account and security locking
- Unilateral, bilateral demand
- Unilateral, bilateral scheduled

9 October 2018 (Melbourne)

- Topics dependent on ASX project plan; detailed 'to-be' mapping
- Review feedback on 'tobe' messaging

27 November 2018 (Sydney)

- Topics dependent on ASX project plan; detailed 'tobe' mapping
- Review feedback on 'to-be' messaging

2019

 Topics dependent on ASX project plan; detailed 'to-be' mapping

2019

 Topics dependent on ASX project plan; detailed 'to-be' mapping



2. Minutes and actions

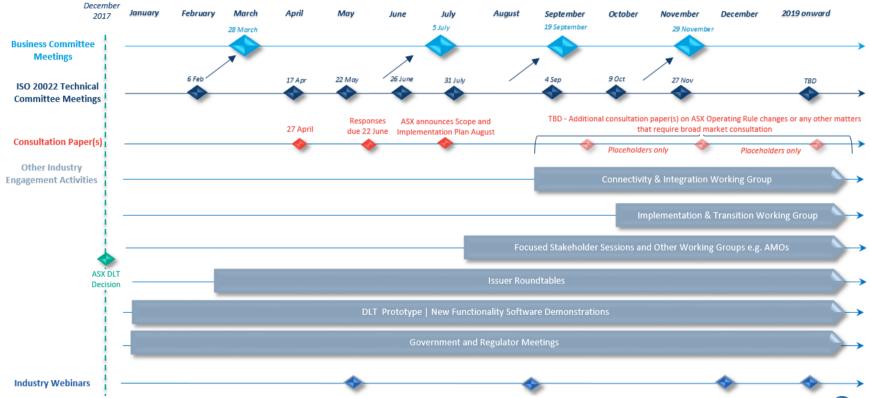
Minutes for 26 June 2018 meeting available on CHESS Replacement web page, including all open, closed action items. Open action items:

#	Meeting Date	Open Action Items	Owner	Due Date	Status
20	2 May 2017	Provide details of a proposed plan including potential topics for the remaining training webinars for feedback, including identification of business vs. technical topics.	ASX	On hold	On hold
51	22 May 2018	ASX to consider how impacted stakeholders could be engaged on the standards for registration details prior to the next meeting.	ASX	4 September 2018	
52	22 May 2018	ASX to give consideration to how it would advise users of any change to the external code lists and report back to members.	ASX	31 July 2018	
53	22 May 2018	Members to answer 4 questions if they are considering using a BIC as their party identification: whether they would use a new or existing BIC, whether the BIC was connected or non-connected, whether it was a BIC8 or BIC11, and if that BIC would apply to all activity for that organisation or actor, or for multiple activities. Examples would be helpful.	Members	31 July 2018	
54	26 June 2018	Members to review and advise ASX of any feedback on the recommendation that Transaction Date Time (<txdttm>) in the sett_101 message is UTC.</txdttm>	Members	31 July 2018	



3. CHESS Replacement Project update

Engagement plan 2018+





4. ISO 20022 project update by ASX

'To-be' mapping:

- Topics complete or in progress:
 - Account management update consolidation (for discussion today)
 - Account and security holding lock (preview at this meeting, follow up next meeting)
 - Unilateral demand, Bilateral demand (review at next meeting)
 - Unilateral scheduled, Bilateral scheduled (review at next meeting)
 - > Payment facilities create and update
 - Continue work on registration details
- Additional questions for members re sett_101 (equivalent to EIS 164)
- Global ISO 20022 engagement
 - > ISO 20022 Securities Standards Evaluation Group (SEG)
 - T2S Evaluation Team (sub group of SEG)
 - > BAH change request



5. Update from Business Committee



6. Matters for consideration



6a MyStandards community – 'to-be' usage guideline feedback Sett.101 and sett.104

We invited feedback on the following two messages and received 6 comments from 2 contributors (thank you).

As-is Message Id	Collection	Id	To-be Message Id
EIS164	draft_sett	101	sett_101
EIS116	draft_sett	104	sett_104

Trade Leg Notification (sett_101)

We previously updated the group the mapping was changing from the original base message of setr.044 to secl.010 as the secl.010 is more closely aligned to the notification of a broker/broker trade.

As a flow on from this we also plan to update the cancel request (sett.104) from sese.027 to secl.002

Note: additionally a sett_102 is sent for each netted obligation, this also uses the secl.010

Feedback

Two key issues were returned in the feedback

- The inconsistency of presence of BIC/UIC.
- Consideration to be given by the ASX to only publish a single list of settlement obligations at the end of each day.



6a MyStandards community – 'to-be' usage guideline feedback Sett 101 and sett 104 continued

Market Settlement Obligation Considerations – for discussion

A request was made to consider changing the flows so that the ASX only publish a single list of settlement obligations at the end of each day which would include both netted and unnetted obligations.

Given the volume of market trades a significant number of gross settlement obligations may be created only to be subsequently be cancelled and replaced by net settlement obligations to achieve the netting efficiencies provided by CHESS for settlement purposes.

ASX has reviewed the existing flows and considers that a minor change in line with the request and other market practices may be beneficial. The consideration is to:

- > continue to disseminate Notified Broker Broker Trades (sett_101), on a near real time basis, to Clearing Participants with an option for Settlement Participants to receive a copy.
- Enhance the dissemination of settlement obligations to include a <u>complete set</u> of Market Settlement Obligations including:
 - Net Broker Obligations (status quo sett_102); and
 - Gross Broker Obligations (additional message tbc)
 - which currently are represented by Notified Broker Broker Trades and are not re-transmitted as gross settlement obligations with NBOs following netting

This minor change would allow participants and their system vendors, the greatest scope when considering any system enhancements / changes including being able to maintain the status quo if desired.

A more complete, standardised set of records provided by ASX could enhance reconciliation efforts and the auditability of market trades as they transform into settlement obligations.



6b Account Management Update Consolidation

As Is FIS220

Status Advice

To Be hold, 206

reda.024 - Securities Account

220. Authorised Registration Details

Target Tx Id = 1111100012739200

Re-design of Registration Details Update Process

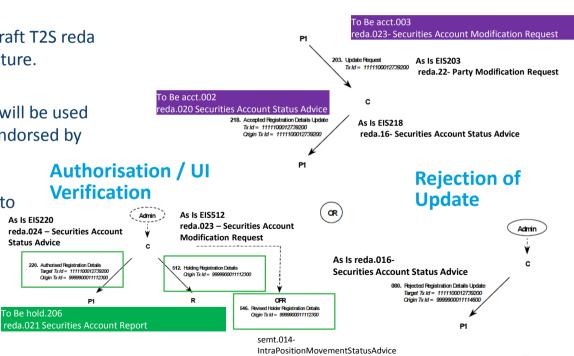
As-Is

- Requires manual verification of Registration Details Update
- ISO mapping currently uses the current draft T2S reda messages that do not align with ISO structure.

To-Be

- A NEW Registration Details Confirmation will be used to replace EIS 220, EIS 512 and EIS 546 (endorsed by SWIFT)
- STP process adopted by ASX
- This means a single message will be sent to Registry and Participant (and Offeror where applicable) for changes in account details
- FIS 080 will be retired
- Comm.808 for Business Reject message

Registration Details Update



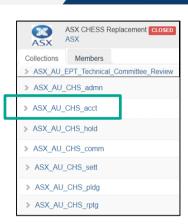


6b Account Management Update

Account Management Collection- Account Details Update

Account Update Details – Consolidation

CHESS	ISO 'as-is'	ISO 'to-be'		
EIS Name	ISO base message	ASX Message Name	ISO base message	
EIS 203 - Registration Details	reda.022 – Party Modification	acct.003.001.01	reda.023 - Securities Account	
Update Request	Request		Modification Request	
EIS 218 - Accepted Registration	reda.016 –Securities Account	acct.002.001.01- Account Status	reda.020 - Securities Account	
Details Update	Status Advice	Advice	Status Advice	
EIS 220 - Authorised Registration	reda.024 – Securities Account	hold.206.001.01 – Securities	reda.021 - Securities Account	
Details	Status Advice	Account Details	Report	
EIS 512 - Holding Registration	reda.023 – Securities Account	hold.206.001.01 – Securities	reda.021 - Securities Account	
Details	Modification Request	Account Details	Report	
EIS 546 – Revised Registration	semt.014	Hold.206.001.01 – Securities	reda.021 - Securities Account	
Details		Account Details	Report	
EIS 080 – Rejected Details Update	reda.016 - Party Status Advice	n/a	n/a	
EIS 518 - Rejected Transaction	admi.002 – Message reject	comm.808.001.01 - Message Reject	Admi.002.001.01 Message Reject	

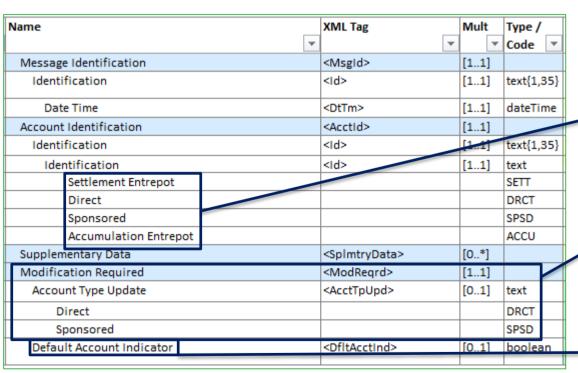




6b New Features for Account Maintenance

acct.003.001.01

reda.023 Securities Account Modification Request



NEW **Account Identification:** is a merger → between Holder Type (BP18) and Entrepot Type (BP71)

NEW **Account Type Update:** This can be used to amend the account type set up in error From Direct to Sponsored or Sponsored to Direct

NEW **Default Account Indicator:** Can be used ▶ to update nominated settlement entrepot for Market Trade and NBO



6b Account and Security Locking Introduction

ISO 20022 separation of Account and Holding locks

ISO 20022 separates the concept of an account update versus a securities holding update.

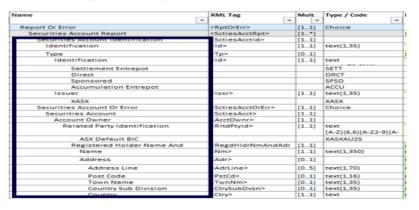
As Is

EIS 512 reported both account and holding locks

To Be

- hold.206 will report account modifications (lock or unlock account)
- hold.205 will report security modification (lock or unlock partial or full holding)

hold.206 (reda.021)



hold.205 (semt.015)

Name		XML Tag	Mult	Type / Code
Balance From	▼	<balfr></balfr>	▼ [1 1]	
Balance From		<bairr></bairr>	[11]	
Туре		<tp></tp>	[11]	Choice
Code		<cd></cd>	[11]	text
Blocked				BLOK
Available				AVAI
Balance To		<balto></balto>	[11]	





Technical Documentation Release Process



- ASX will provide supporting technical documents to facilitate the migration and implementation plan for every release.
- Every release known as a "Tranche" comprises of a group of artefacts called a "Tranche Package".
- Each Tranche Package contains "Packets" of Documentation.



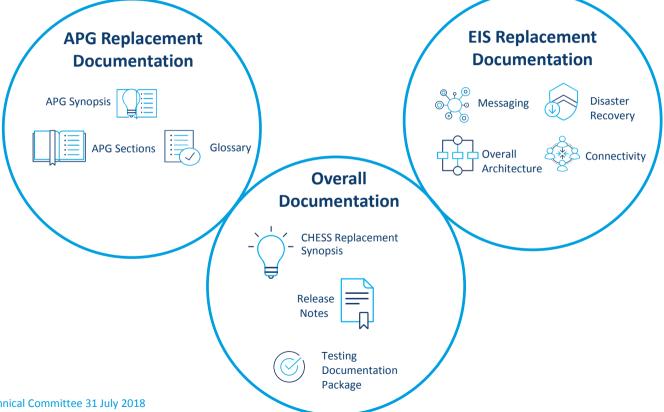
- In preparation for the Q2 2019
 Customer Development & Test
 Environment stage, the first
 Technical Document Tranche
 Package will be published in Q4 2018.
- This will enable stakeholders to commence early development and testing of their ISO 20022 message suite via the use of SWIFT MyStandards Readiness Portal.



- Throughout the release timeline, tranches of technical documentation will follow.
- Further, documentation will continue to be enriched and enhanced.
- These updates will be broadcast to and shared with the relevant stakeholders.

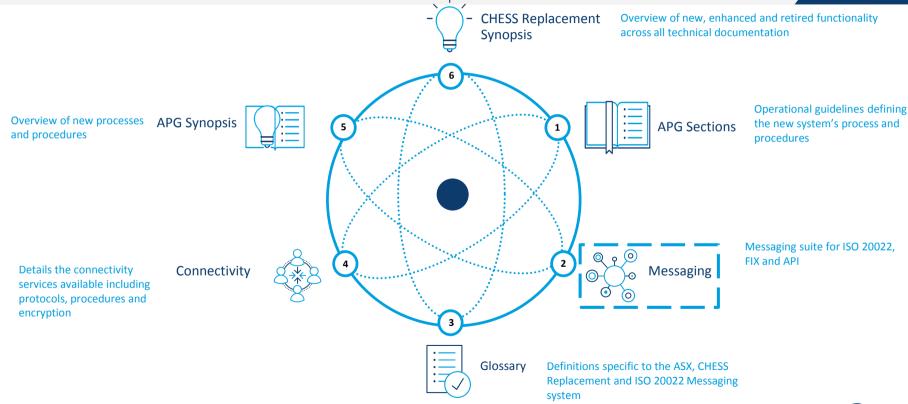


Overview of Documentation Packages



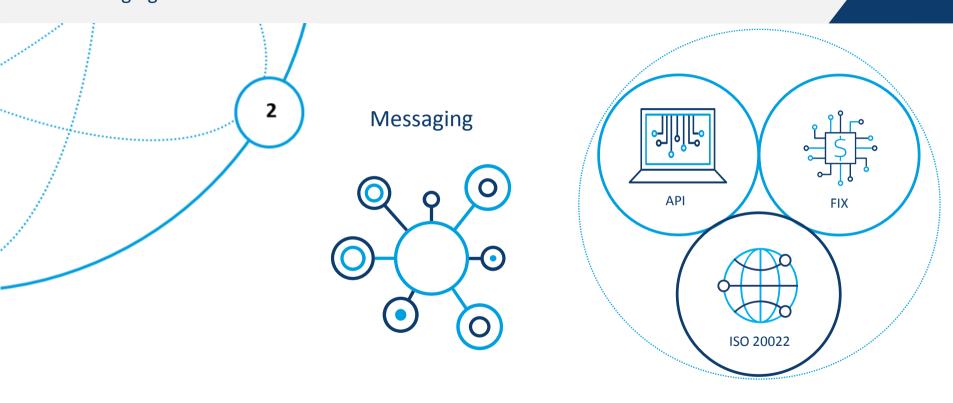


Tranche Documentation Package





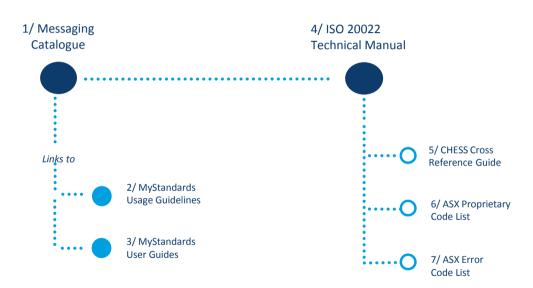
6c Overview of Technical Documentation Messaging Packet





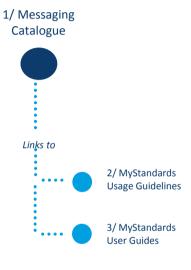
ISO 20022 Packet Content







ISO 20022 Packet Content Defined



1/ ISO 20022 Messaging Catalogue

- Explains how to create financial messages to communicate with the ASX using the ISO 20022 standard.
- Includes message scope, message purpose, message flows (UML diagrams), Sender and Receiver details and any message pre-requisites.
- Links to detailed Usage Guidelines on the MyStandards web platform.

2/ MyStandards Usage Guidelines

 Provides field definitions that include meanings, schema allowable values, message samples and schemas.

3/ MyStandards User Guide

- Provides links to MyStandards documentation. This suite of documents explain how to access and use MyStandards to locate the ASX Group and published documentation, as well as the Readiness Portal. It includes:
- ✓ Presentations
- ✓ Quick Tour
- ✓ MyStandards User Guide
- ✓ Training modules



ISO 20022 Packet Content Defined

4/ ISO 20022 Technical Manual



4/ ISO 20022 Technical Manual

- Describes the structure and conventions of an ISO 20022 message.
- Covers Business Message Collections, Business Message attributes, the Business Application Header (BAH), elements, naming conventions, formats and tags.
- Includes message samples.

5/ ISO 20022 Cross Reference Guide

- A list of ISO 20022 messages that will replace CHESS EIS messages (from – to).
- Identifies de-scoped EIS messages and new ISO 20022 messages.

6/ ASX Proprietary Code List

- Provides a simple way to update code sets without any impact to existing published usage guidelines.
- Unlike other ISO 20022 code sets, codes are not included in the usage guideline.

7/ ASX Error Code List

 A list of common error codes sent back to the sender of a message to the system when a message fails schema and/or business validation.



Technical Documentation Release



 ASX are currently assessing possible platforms to host the Technical Documentation.



- The core requirements ASX are assessing the platform against are:
- ✓ Responsive design
- ✓ Searchable
- ✓ Version controlled
- ✓ Provides linkage to related content and URLs
- ✓ Download friendly
- ✓ Printer friendly



 ASX are working towards having the documentation platform live and accessible to stakeholders for the first documentation release.



6d Overview of MyStandards Readiness Portal





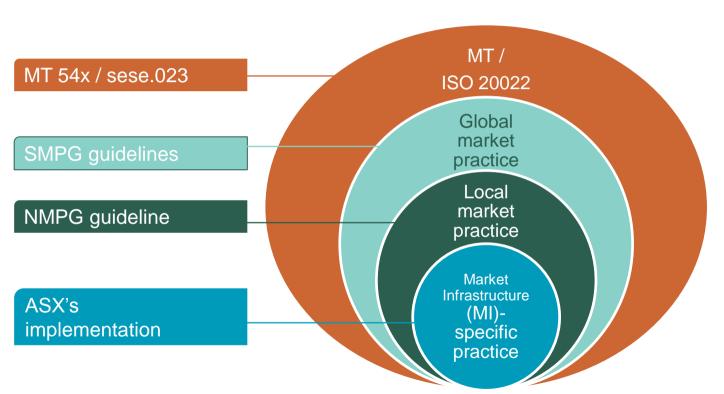
Readiness Portal

ISO 20022 Technical Committee

http://mystandards.swift.com/ mystandards@swift.com

Nicole Jolliffe SWIFT July 31st, 2018

Standards are created globally and used locally



Problems

Fragmentation and **change** of message implementation guidelines

Cost of onboarding community

The same problem applies across different channels

MyStandards portfolio

A common industry approach to solving Standards-related issues

Consultation

Define MI usage of ISO20022 in **MyStandards** and consult community using SWIFT's **collaborative commenting features**

Education

Publish multi-format **documentation** and powerful **comparisons** to understand MI new format specifications using **MyStandards**

Migration

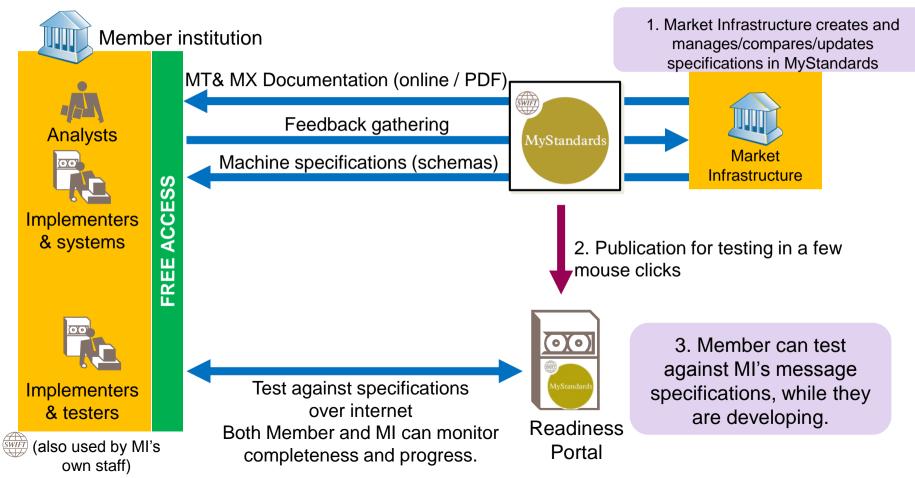
Onboard community using the Readiness Portal and SWIFT Translator to streamline format translation

Maintenance

Easy maintenance thanks to **automated impact analysis** and full integration of the **MyStandards** portfolio



How it works - getting standards-related issues out of the way



MyStandards in numbers



120+

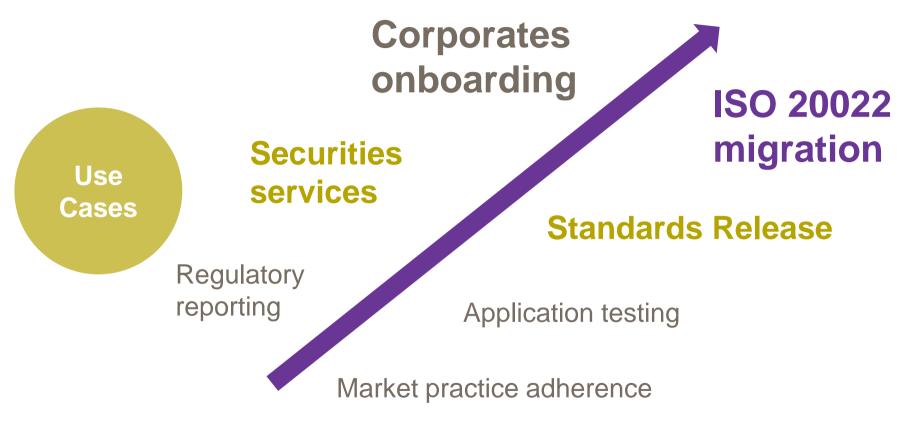
Publishing organisations

40.000+
Registered users

22.000+

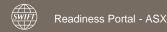
Usage guidelines

Main areas of success

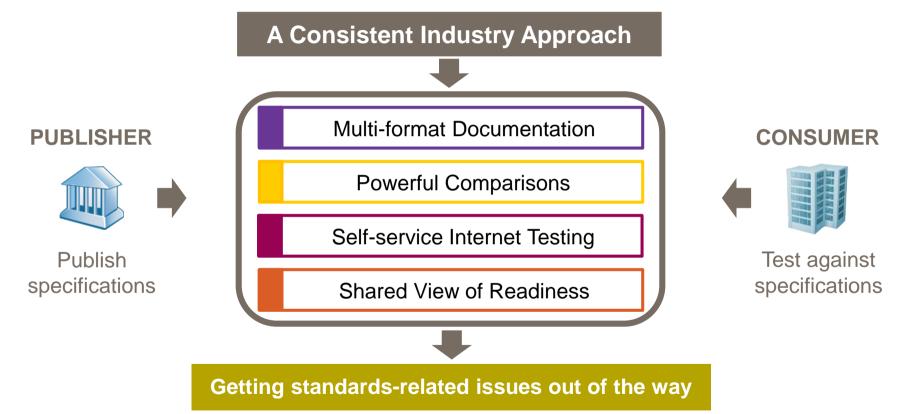




MyStandards & Readiness Portal



MyStandards: not just a repository of specifications





MyStandards: a central source for all ISO 20022 information

MI implementations published

- •T2S / Deutsche Bundesbank
- Clearstream
- Furoclear
- Monte Titoli
- London Clearing House
- •ASX
- •VP Securities Denmark & VP Lux
- VPS Norway
- •DTCC
- National Bank of Belgium
- •SGX
- Jasdec
- KDPW
- NSD Russia
- Payments Canada
- •SADC / PASA / Bankserv
- •HKICL

Market Practices available

- Settlement & Reconciliation
- Corporate Actions (main event types)
- Collateral Management
- Investment funds
- Settlement and related services used by T2S
- High value payments
- HVPS+
- Real Time Payments
- CGI
- SEPA

Product enhancements

- Business Application Header & Supplementary data:
- Specify and document usage
- •Validate complete message in the Readiness Portal
- Publication of ISO 20022 draft messages in line with new version and release management cycle



External - Benefits

Faster time to onboard

Faster community testing

Autonomy

No dependency on testing window



Smooth participants experience

Easy to use

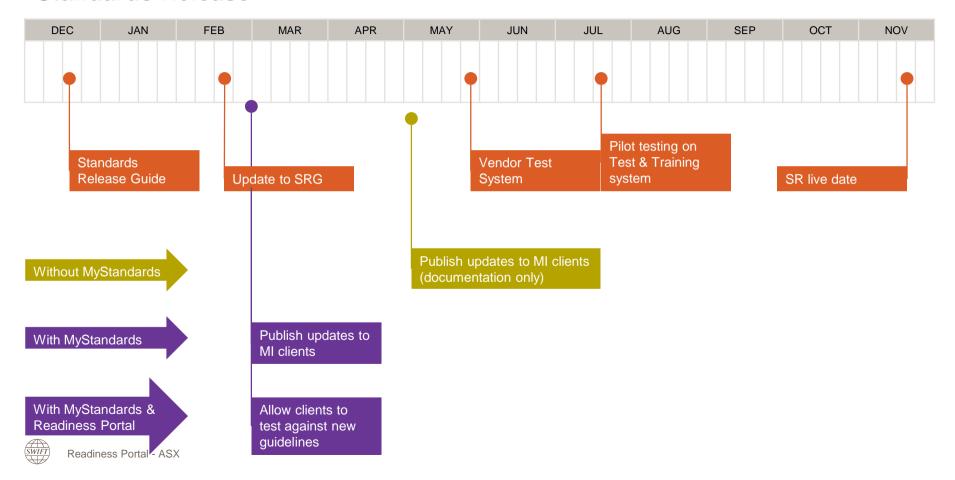
Risk Reduction

Reduce production issues

Applies across channels (SWIFT or other)



Standards Release

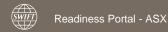


Validation scope

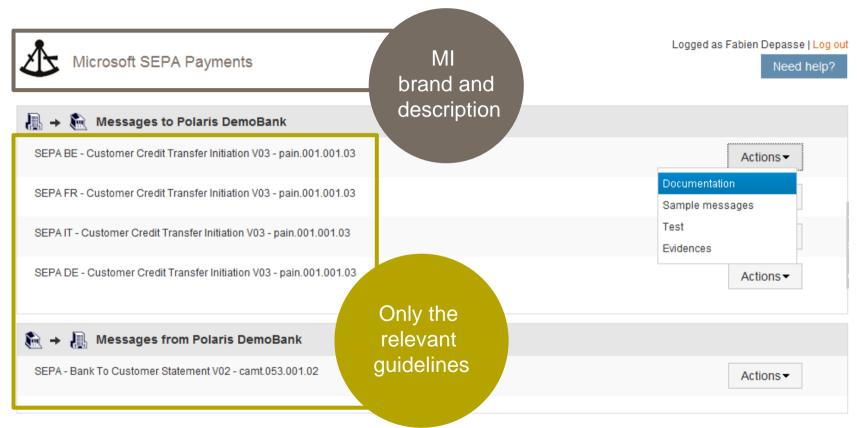
- Immediate feedback
- ISO 20022 Base message
- ISO 20022 cross-element rules
- Reference Data (BIC, currencies, countries)
- MI restrictions
- MI cross-element rules
 - Define complex rules (quantifiers, if-then,...)
 - Define customized error messages for cross-element rules



Screenshots: Readiness Portal



Fit for purpose yet consistent across the industry

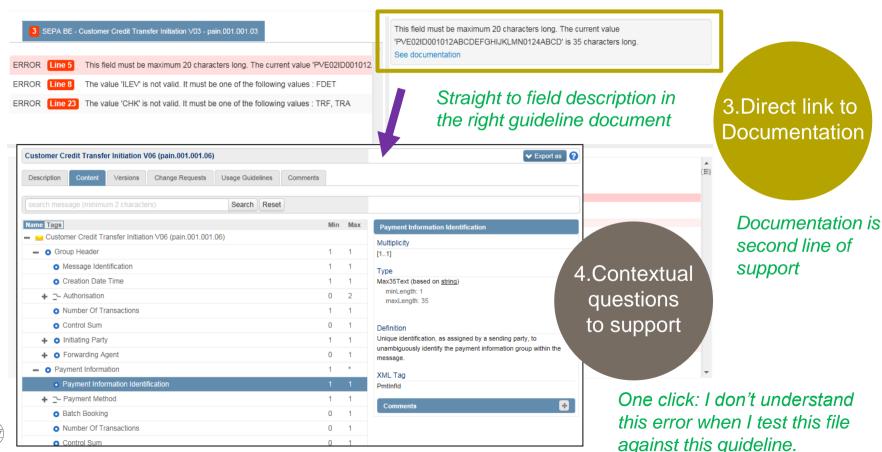




A discovery-based approach to understanding specific formats

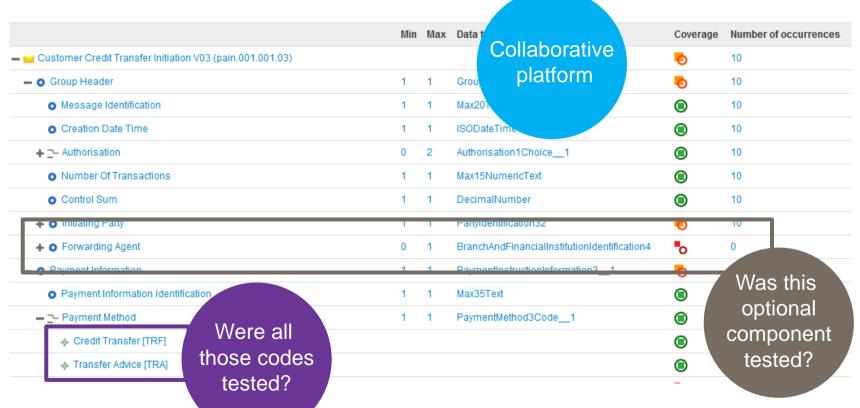


A discovery-based approach to understanding specific formats





Risk reduction



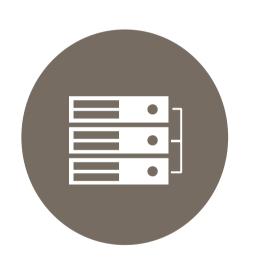






MyStandards – Product Update Readiness Portal Review

Sneak preview



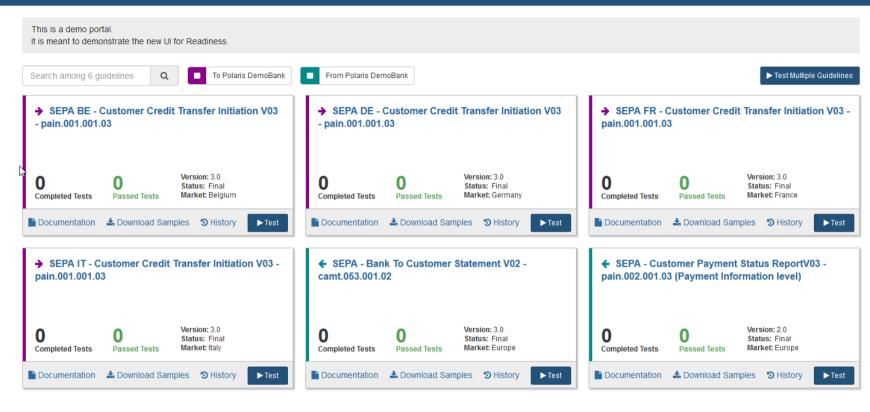
More responsive Improved UX

Dashboard View

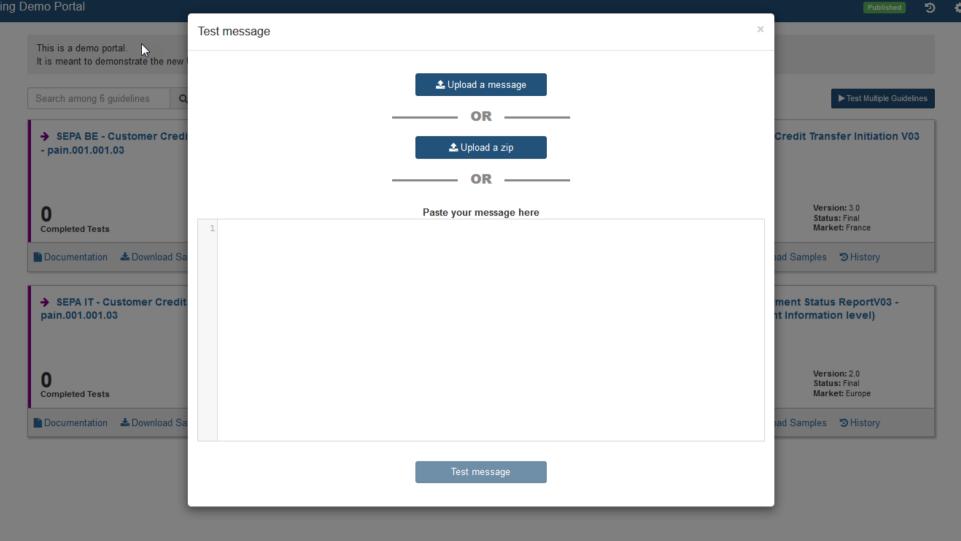
Aligned with MyStandards

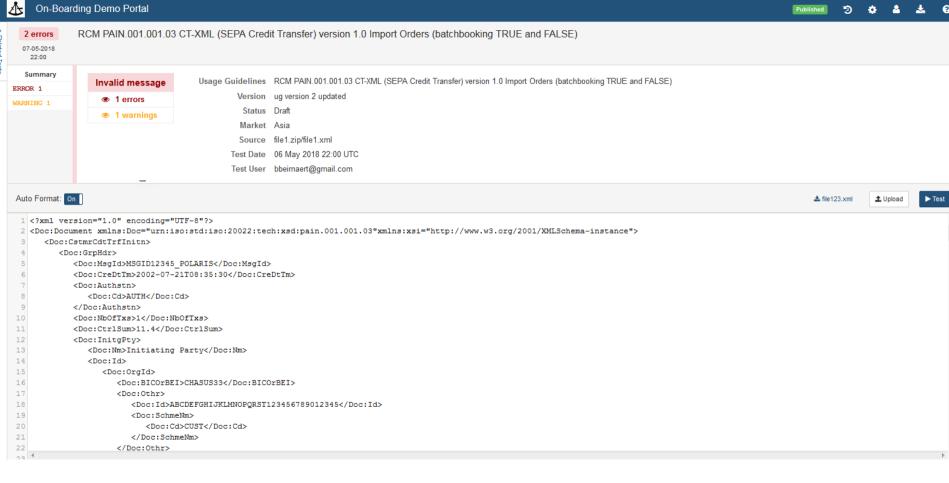




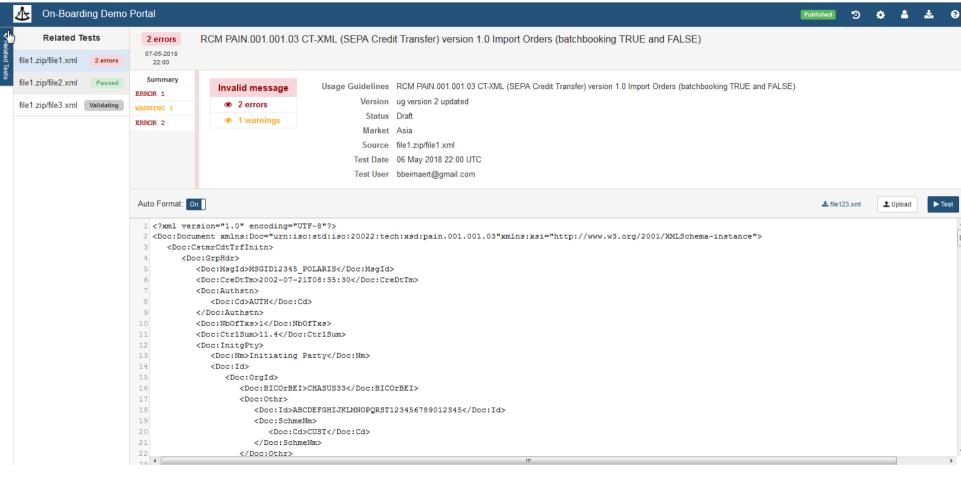














For more information about MyStandards visit http://mystandards.swift.com/

Closing



Next meeting

- Noted actions from this meeting
- No further draft messages for member review
- Draft minutes from this meeting will be distributed for review
- Next meeting to be held Tuesday 4 September 2018 Sydney, webinar

Proposed matters for consideration:

- ASX's response to consultation
- Account and security locking
- Unilateral demand, Bilateral demand messages
- Unilateral scheduled, Bilateral scheduled messages
- 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.

