



MINUTES OF THE ISO 20022 TECHNICAL COMMITTEE

Tuesday 10 October 2017

ASX Offices, Bridge Street, Sydney; Webinar

-
1. **Welcome, Agenda**

 2. **Minutes from last meeting, open actions**

 3. **CHES Replacement project update by ASX**

 4. **ISO 20022 project update by ASX**
ASX participation in ISO 20022 Standards Evaluation Group (SEG)

 5. **Update from Business Committee**

 6. **Matters for Consideration (Business and Technical Matters)**
 - a) Additional report candidates for descope
 - b) MyStandards Community – usage guideline feedback
 - c) Achieving ISO compliance – Technical Committee feedback
 - d) Transaction id models, extending the framework
 - e) Settlement parties – local market practice
 - f) Reporting methods – guidelines for demand reporting
 - g) Stamp Duty provisions – recommendation to remove related fields
 - h) ISO-required data - Introduction of 'new data requirement' annotation
 - i) Precision of timestamps - recommendation to include sub-seconds
 - j) Usage guidelines for review

 7. **Next Meeting** - Tuesday 21 November 2017, 3.00pm to 5.00pm

Technical Committee Members

| Company | Name | Job Title | Apologies |
|-------------------------------------|--------------------|--|-----------|
| Australian Payments Network Limited | Andy White | Chief Operating Officer | Apology |
| Australian Payments Network Limited | Paul Creswick | Security Standards Manager | |
| Bank of America Merrill Lynch | Andree Hindmarsh | Head of GMOT Australia | |
| Bank of America Merrill Lynch | Jimmie Alam | | |
| Bell Potter Securities | Dean Surkitt | Managing Director Retail | |
| BNP Paribas Securities | Narelle Rutter | Head of Local Custody & Clearing Operations | |
| BNP Paribas Securities | Wayne Murphy | Project Manager | |
| Boardroom Limited | Tony Robinson | Senior Software Engineer | |
| Boardroom Limited | Michael Mullins | CIO | |
| Broadridge (Australia) | John Greenhow | General Manager, Australia | |
| Broadridge (Australia) | Manoj Mathew | Business Analyst | |
| Broadridge (Australia) | Mabel Chow | Development and Support Manager | |
| CBA Equities | Joel Cox | Technical Business Analyst | |
| CBA Equities | Carolyn Webb | Test Manager | |
| CBA Equities | Ben Lowe | Manager Settlements | |
| Chi-X Australia | Mike Aikins | Head of Solution Development | |
| Chi-X Australia | Suketu Adhvaryu | Senior Solution Architect | |
| Citicorp | Miles O'Connor | Director, Direct Custody & Clearing Securities Markets & Securities Services | Apology |
| Citicorp | Brett Dennis | Head of Operations – Party Clearing | |
| Citicorp | Lyall Herron | | |
| Citicorp | Janice O'Brien | Markets & Securities Services Technology | |
| Citicorp | Matthew Warner | | |
| Citicorp | Ashok Kumar Balusa | | |

| Company | Name | Job Title | Apologies |
|-----------------------------|-------------------|--|------------------|
| Citicorp | Glenn Pahilan | | |
| Citcorp | Stephen Rylands | Product Manager | |
| Computershare | Paul Walton | Senior Manager, Corporate Actions & New Business Development – Investor Services | |
| Computershare | Leanne Bailey | Senior Business Analyst Product & Innovation | |
| Computershare | Laik Tan | | |
| Deutsche Securities | Kevin Novini | | |
| Dion Global Solutions | Craig Gray | Product Manager – Australia and New Zealand | |
| Dion Global Solutions | Nikki Gleisner | Account Manager | |
| GBST | Andrew Murdoch | Product Specialist, GBST Capital Markets | |
| GBST | Sue Schafer | Product Owner | |
| Goldman Sachs | Darrel Schwarz | Technology Vice President | |
| Goldman Sachs | Nichole Alexander | Operations Vice President | |
| HSBC Securities Services | Gregory Wilkin | Head of HSBC Operations | |
| HSBC Securities Services | Salih Kulic | Manager Custody | |
| HSBC Bank Australia Limited | Michael Macintosh | Senior Client Account Manager, Global Liquidity and Cash Management | |
| HSBC Bank Australia Limited | Anna Fratini | Senior Product Manager – High Value Payments, Clearing and Financial Institutions, | |
| JP Morgan | Ed Lawson | Settlements Manager | |
| JP Morgan | Danny Ng | Middle and Back office AD Manager | |
| JP Morgan | Scott Oakland | Direct Custody Product Manager Australia | |
| JP Morgan | Daniel Smith | VP, Network Management | |
| JP Morgan | Lesley Henderson | Technology Product team | |
| Link Group | Ian Batterham | Business Applications Architect | |

| Company | Name | Job Title | Apologies |
|---------------------------|------------------|---|-----------|
| Link Market Services | Sue Julian | National Manager, Corporate Actions | |
| Macquarie Group | Paul Bragg | Senior Manager Equities Clearing ANZ | |
| Macquarie Group | Merrilyn Auton | Manager Operations | |
| Morgans Financial | Matt Neaubauer | Team Leader, Service Management Team | |
| Morgans Financial | Ed Strike | IT Manager | |
| Morgan Stanley | Dorothy Wilson | Executive Director Morgan Stanley Wealth Management, ISG Technology | |
| Morgan Stanley | Kirsty Venters | VP, Prime Brkrng Funding & Fin Tech | |
| Morgan Stanley | Oscar Dela Cruz | | |
| Morgan Stanley | Andrew Fielder | | |
| Morgan Stanley | Gordon Davies | VP/Firmwide Ops | |
| NAB Asset Management | Suresh Chinnappa | Head of Custody Service Operations | |
| National Stock Exchange | Lina Lim | Head of Technology | |
| Nomura Research Institute | John Ryan | Senior Consultant | |
| Securitease | Anton Smith | Director | |
| Securitease | Chris Werry | Business Analyst | |
| Share Investing | Phil Barnes | Senior Manager, Platforms | |
| SWIFT Standards | Nicole Jolliffe | Senior APAC Standards consultant | |
| SWIFT Standards | Mieko Morioka | Senior APAC Standards consultant | |
| SWIFT | Chermaine Lee | SWIFT Project Coordinator | |
| Sydney Stock Exchange | Leo Zhang | Business Analyst | |
| Sydney Stock Exchange | Jason Shen | Market Operations Officer | |
| UBS | Phillip Drury | Phillip Drury, Executive Director, Equities IT | |
| UBS | Duncan Earl | Executive Director, Head of Change, UBS Group Operations | |
| Wealthhub Securities | James Channon | Manager, Capital Markets Trading | |

ASX Management

| Name | Job Title | Apologies |
|---------------------------|--|-----------|
| Tim Hogben | Chief Operating Officer (Chair of the Technical Committee) | |
| Cliff Richards | Executive General Manager, Equity Post Trade | |
| Brendon Luscombe | General Manager, Product Owner, CHES Replacement Project | |
| Karen Webb | Senior Manager, Equity Post Trade Services | |
| Russell Eyre | Enterprise Architect | |
| Anne-Marie Fisher-Taylor | Team Lead, Application Development | |
| Darcy Wright | Senior Business Analyst, Equity Post Trade | |
| Priscilla Ferri de Barros | Senior Business Analyst, Equity Post Trade | |
| Gary Hobourn | Senior Economic Analyst, Regulatory and Public Policy | |

The meeting commenced at 3.00pm.

Agenda item 1: Agenda overview

The Chair welcomed Technical Committee members to the meeting including members attending by webinar.

The Chair outlined the Agenda for this meeting, referring to the presentation slides prepared by ASX. The agenda included an overview of the proposed forward plan of meeting topics, as outlined on slide number 3 of the ASX presentation.

Agenda item 2: Minutes from last meeting, open actions

The Chair noted that the minutes from the last meeting held on 22 August 2017 had been finalised with some minor changes. Noted that one member had suggested separate working group to discuss whether supplementary data usage is valid. The Chair confirmed that such discussions would remain within the Technical Committee, and this would extend to decisions regarding valid change requests. The Chair asked for any other views. A member asked if post trade practices Australia were that different to other jurisdictions. The Chair noted that Australia was probably ahead of the curve in relation to settlement automation practices considering our market structure. The member agreed that was probably the case for settlement, but corporate actions were different, acknowledging the output from the working groups. The Chair noted that Australia has a heavy percentage of retail market, with name on register that makes us different to more traditional CSD models.

The ASX Senior Business Analyst noted that so far the usage guidelines didn't have heavy usage of supplementary data where over 85% of initial 130 guidelines had 1 supplementary data element or none.

The Chair noted that ASX would add upstream/downstream considerations to later agenda topics (per forward agenda).

The Chair noted the outstanding actions from the last meeting as outlined on slide number 4 and 5 from the ASX presentation.

Action item 17 was for ASX to provide further information on party identification for issuers – UIC or BIC and proposed process. The Chair invited the Senior Manager, Equity Post Trade Services to provide an update on this action. The senior manager noted that the members had previously agreed in principle that the identification of participants would be via a BIC in place of the current UIC. The senior manager confirmed that further investigations with SWIFT had been made on the process for allocation non-connected BICs to issuers (in place of UIC). ASX had determined that the current process was unlikely to meet current turnaround minimum times for set up of an issuer, and it added additional administrative burden via upfront, ad hoc changes and annual reviews. ASX recommended the usage guideline include the option for either a UIC or BIC. A member asked about the impact to Transaction ids given the use of BIC for some user types and the process for transferring between the use of BIC and UIC. This was noted by ASX. The members agreed with the recommendation. The Chair noted that **this item was closed** with any further changes to be managed via the share registries.

Action item 19 remains open and on hold.

Action item 20 was for ASX to provide a proposed plan for the remaining training webinars. The Chair noted that ASX was considering training closer to implementation. **This item remains on hold.**

Action item 23 was for ASX to continue a review of reports and provide further candidates for descope at meetings. The Chair noted that this item would be addressed under the topics of Matters of Consideration during the meeting. **This item remains open.**

Action item 37 was for ASX and SWIFT to provide comparisons to other market implementations of transaction ids. The Chair noted that this item would be addressed under the topics of Matters of Consideration during the meeting. **This item was closed.**

Action item 38 was for ASX to add an item to upstream/downstream considerations log re the use of UTC for Trade Date confirmations from AMOs (with flow on impact to EIS 164 equivalent). The Chair noted that an item had been added to the upstream/downstream register and the **item had been closed.**

Action item 39 was for the Chair to contact members seeking feedback on the approach of the Technical Committee, any suggestions to improve the process. The Chair noted that the timing of this was still to be determined, but he had conducted ad hoc discussions. Feedback was positive on the committee and that the agenda, although complex, was delivering the right value. **This item remains open.**

Action item 40 was for ASX to provide a list of CHESSE EIS messages in scope for detailed mapping during 2nd half of 2017, including identification of descoped messages. The Chair noted that a scope document had been provided to members, and the **action item was closed.**

Action item 41 was for ASX to conduct bilateral discussions with share registries and mailing houses regarding structuring of registration details and associated static data. Refer action item 42 notes below.

Action item 42 was for ASX to conduct bilateral discussions with share registries regarding current holding balance changes associated with corporate actions and proposed withdrawal of EIS 421. The ASX Senior Manager, Equity Post Trade services noted that bilateral discussions had been held off for now, pending outcomes of working group meetings, and further detailed investigation by ASX on the usage of EIS 421 and EIS 425 and particular trends and reasons for usage. Preliminary analysis demonstrated that about 130,000 EIS 421 per year, compared to about 2 million EIS 425.

Both action items 41 and 42 remain open.

Agenda item 3: CHESSE Replacement project update by ASX

The Chair invited the Executive General Manager (EGM), Equity Post Trade to provide an update on the project. The EGM confirmed that the working groups were continuing to proceed well, with good opportunities for shared learning. Two business requirements had been captured from the Transfers and Conversions working group; and a number from the Settlement Enhancements working group. To date ASX had completed 4 of the 6 working group topics. The 5th working group would focus on Reporting, and the 6th group on non-functional requirements. The EGM noted a query had been received from a Technical Committee member regarding whether the non-functional discussion should be held earlier than the ASX decision on whether to adopt DLT to ensure requirements are included in assessment. The EGM explained that the working group discussions would capture participant and other member future requirements particularly around interfaces and availability and would not influence ASX's own requirements for the

technical build underway this year. Tests were already being conducted by ASX and Digital Asset to ensure whether certain thresholds were being met – throughput capacity, burst loads, latency and so on.

The EGM noted a shift of focus from functional to non-functional testing over the next 2-3 months. Generally Digital Asset were delivering high quality code. ASX had also commissioned 2 external third party reviews – in order to review claims of the technology made by Digital Asset. Details would be provided to the Business Committee. To date the project was on track with ASX still expecting to make a well informed decision in December this year.

Agenda item 4: ISO 20022 project update by ASX

The ASX Senior Manager, Equity Post Trade Services provided an overview of the ISO 20022 progress, with further business areas now mapped in draft and progress at the end-of September with mapping the remaining 346 messages in second half of 2017. SWIFT and ASX had also developed 10 new messages and would provide further information at the next meeting on the new messages. ASX had also provided a list of the EIS messages in scope to members, and that list also identified those messages that had been descoped.

Referring to presentation slide number 8, the senior manager outlined that ASX was seeking nomination to participate in the ISO 20022 Standards Evaluation Group in order to support and promote own change requests and new message registration. ASX may also have the opportunity to review and opine on other requests that may be of interest or impact our message set. ASX recommend that the Technical Committee endorse ASX nomination as IT-005 member; and endorse ASX nomination as a member of Securities SEG.

A member noted that members should be included in any review and any decisions and asked if there was any proposed governance for industry engagement pre and post discussed changes. The Chair noted that ASX would propose a method for governance at the next meeting. **(Matters Arising 1, Action item 43)** The members endorsed the recommendation.

Agenda item 5: Update from Business Committee

The Chair outlined the key topics to be discussed at the Business Committee meeting to be held on 11 October. These topics included, an overview of the ASX customer engagement survey results with key points raised from customers being requests to simplify processes, and good feedback re NTP deployment and engagement through the delivery. The Business Committee had recommended that the AMOs be included in the CHES Replacement working groups and this had been endorsed by the Clearing and Settlement Boards with AMO members now involved. The agenda also included an update by ASX on MIFID II - impact re trade, post trade id of securities, with no immediate impact, concerns.

Agenda item 6: Matters for Consideration

a) Additional report candidates for descoped

ASX presented a recommendation to descoped 2 further reports from CHES Replacement – FLN and RAC (refer ASX presentation slide number 11). The FLN report related to the redundant securities lending service, and the RAC report was not functional in its current format.

A member asked about the housekeeping process for rights that expire worthless – and whether this could be improved. ASX agreed to take this to the project team for consideration. **(Matters Arising 2 – Action item 44)**

Members agreed with the recommendation to descope FLN and RAC reports, taking the number of descoped reports to 7 (PFD, PFH, USD, USH, OSL, FLN, RAC).

b) MyStandards Community – usage guideline feedback

The ASX Senior Business Analyst noted that comments had been received from 5 firms including vendor, registry and participant, and noted some concern by the project team at the low level of feedback.

A member noted that his firm was relying on vendors to review the usage guidelines for now, and would wait for the vendor to summarise any changes applicable to his firm's operations. Largely expect as-is so no great concerns, and would be more concerned if there was no vendor input. The Senior BA agreed it would be more valuable when any changes were identified by new business requirement or forced change, but otherwise it was a good exercise to increase familiarity and as a training opportunity.

Referring to slide number 12 and 13 of the ASX presentation, the ASX Senior Business Analyst noted some minor corrections were needed to the usage guideline set, and that ASX were to review comments provided in further detail. The ASX Senior Business Analyst also noted for single sided events for securities movement type ASX would apply the value DELI consistently, and this agreed with SMPG guidance.

c) Achieving ISO compliance – Technical Committee feedback

Referring to ASX presentation slide number 14, the ASX Senior Business Analyst re-presented a topic raised at the last Technical Committee meeting, seeking community agreed approach to ISO best practice exceptions.

The Chair asked if members needed more time to review the recommendations, and the members agreed. **(Matters Arising 3, Action item 45)**. In summary the Pros of the ASX recommendations were that this would map as-is to CHES messages. The cons were that we would need to maintain 2 schemas – the base message and supplementary data. The alternate to the recommendation (map per standard) is likely to mean multiple messages for a business flow and increased message volumes. A member noted that the impact likely depended on the vendor and technically a participant probably didn't want to manage too many schemas, but at the same time wanted to apply best practice. The ASX Senior Business Analyst noted that ASX needed to make a decision to move forward, and that supplementary data would be used as a placeholder for logical equivalents for now (Option 1 of the recommendation). A member representing a vendor stated they were agnostic on the outcome – but did like the current process as they get reconciliation for free. If the reconciliation message was separate and fee based (e.g. provision of balances), then likely this wouldn't be used. A member asked if there was any impact from processing supplementary data. The vendor member said there may be some extra volume, and additional implementation considerations.

d) Transaction id models, extending the framework

A SWIFT consultant provided an overview of the model used for transactions ids by T2S in Europe, with the left hand diagram on ASX presentation slide number 15 showing an overview of the flows, and the diagram on the right hand side showing the transaction reference and ids carried through T2S.

The key points were that there was no unique ID carried through the sample transaction flow, and is this something of use – to introduce an event identifier.

Referring to ASX presentation slide number 16, the ASX Senior Business Analyst elaborated on the topic – where if there was a requirement to extend the id over what we have today, then we could use the MITI id. A member asked if this would be a positive change and put us ahead of the curve, otherwise would defer to vendor for their view. ASX confirmed that consequence could be that the source of a message (e.g. a participant) would also need to generate the id. A vendor member and ASX agreed that the inclusion of the id allows the clear display of a conversation to a user, with good chain visibility. Another member confirmed it seemed a good idea. The Chair asked committee members to respond to ASX if they thought it was a worthwhile change. **(Matters Arising 4, Action item 46).**

e) Settlement parties – local market practice

The ASX Senior Business Analyst presented a recommendation to confirm that the local market practice does not need the identification of Party2 or more in settlement instructions, per ASX presentation slide number 18. More than one member expressed the opinion that this could be of interest in the future. The Chair asked for the implications to be spelled out – for now ASX was assuming as-is so no requirement to include this information. If we consider future 'to-be' then for example, the party chain needs to be known at the generation of an equivalent 101 message, and would need to be clear on expectations around validating this information. The data flows for party identification are currently outside the CHES universe. The Chair noted that there had been some conversation on this at the working group meetings where members thought the information could add to the settlement process and allow richer messaging, where for example the allegation could be passed to a client for action.

While ASX had mapped 'as-is' the Chair noted his preference to leave this option open for 'to-be', and noted that regulators may have a view re identifying where assets are held. This matter to be discussed further with working group. **(Matters Arising 5, Action item 47)**

f) Reporting methods – guidelines for demand reporting

The ASX Senior Business Analyst presented an overview of some options for demand reporting. The initial analysis with SWIFT had identified two classes of reports. Firstly, report requests where a single ISO 20022 base message could be defined with all reporting output contained in that single message. Secondly, report requests that generated complex outputs across a number of base messages and/or business areas – where the future solution could be multiple messages nested in a Business File header, or consider other 'pull' delivery mechanisms apart from 'push' messaging.

A member noted that the delivery of files rather than messages would need consideration of factors such as sequencing, how to check files have been processed and so on. These considerations should be discussed at the working group meetings.

A member noted the 'FHT' Full Holding Transaction report was considered complex (since multiple base messages from different business areas applied), and if delivered by a 'pull' mechanism this would have system process impacts.

It was noted that reporting would be discussed at the working group meeting.

g) Stamp Duty provisions – recommendation to remove related fields

The ASX Senior Business Analyst noted that the current as-is mapping to ISO 20022 included stamp duty fields including duty type, duty payable and stamping consideration. ASX considered these fields a legacy and recommended the removal of the stamp duty related fields from CHES Replacement.

A member asked if ASX should check if there was any potential to have duty applicable again before removing. A vendor member noted they ignored these fields in current implementation.

The Chair noted that ASX would proceed to remove these fields and members agreed.

h) ISO-required data - Introduction of 'new data requirement' annotation

The ASX Senior Business Analyst noted that as a matter of course ASX and SWIFT would use the annotation function in MyStandards to clearly state when a new data requirement was present in the ISO 20022 usage guidelines, compared to the CHES EIS. The new data requirement may be a mandatory and/or SMPG required value. The annotation is available in online view or usage guidelines exported from MyStandards.

i) Precision of timestamps - recommendation to include sub-seconds

The ASX Senior Business Analyst referred to ASX presentation slide number 23 noting that ISO 20022 allowed for the optional inclusion of sub-seconds in the DateTime fields. ASX considered it worth including sub second information and therefore recommended to the committee that seconds with 3 fractional digits be included going forward. This would future proof the messages for any future requirements.

Committee members agreed with the recommendation.

j) Usage guidelines for review

The ASX Senior Business Analyst noted 13 new Usage Guidelines were being published for member review, with comments requested by 14 November 2017. It was also noted that ASX would republish all usage guidelines shared with the committee members after the November meeting, taking into account all feedback, and other changes.

A member asked if the republished guidelines would be the final versions. The Senior Business Analyst noted that for now it was premature to make that assumption, but the usage guidelines were a mature set of ISO 20022-based guidelines for the as-is requirements.

Agenda item 7: Next meeting

The Chair summarised the key action items from the meeting and noted that draft minutes from the meeting would be circulated to members for review.

The Chair confirmed that the next meeting would be held on Tuesday 21 November in Melbourne, with thanks to Suresh at NAB for hosting the group, and otherwise by webinar. Details would be provided to members.

The Chair noted the planned agenda for the 21 November meeting as outlined on slide number 26 of the ASX presentation, including a list of the usage guidelines to be published by ASX for review by committee members (per Agenda item 6j).

The Chair thanked members for their input, and for participating in the meeting. The meeting closed at 5.00pm.

Signed as a correct record of the meeting.

A handwritten signature in black ink, appearing to be 'A. W.', written over a horizontal line.

20 NOVEMBER 2017

Technical Committee Chair

Date

ACTION ITEMS

| No. | Meeting Date | Open Action Items | Owner | Due Date |
|-----|--------------|---|--------------------|------------------|
| 19 | 2 May 2017 | Provide sample of demonstration of comparison between ISO 20022 and ISO 15022 messages. | Scott Oakland, JPM | On hold |
| 20 | 2 May 2017 | Provide details of a proposed plan including potential topics for the remaining training webinars for feedback, standard training provided by SWIFT, and including identification of business vs. technical topics. | ASX | On hold |
| 23 | 2 May 2017 | Further review of the ASX CHES demand reporting summary and responses to questions contained in that summary. ASX to continue review of reports and provide further candidates for descope at meetings. | Members / ASX | 21 November 2017 |
| 39 | 22 Aug 2017 | Chair to contact members seeking feedback on the approach of the Technical Committee, any suggestions to improve the process. | ASX | 21 November 2017 |
| 41 | 22 Aug 2017 | Conduct bilateral discussions with share registries and mailing houses regarding structuring of registration details and associated static data. | ASX | 21 November 2017 |
| 42 | 22 Aug 2017 | Conduct bilateral discussions with share registries regarding current holding balance changes associated with corporate actions and proposed withdrawal of EIS 421. | ASX | 21 November 2017 |
| 43 | 10 Oct 2017 | Provide a proposed governance method for Technical Committee input to and review of all matters tabled at the Standards Evaluation Group (SEG), including any matters raised by ASX on behalf of community. | ASX | 21 November 2017 |
| 44 | 10 Oct 2017 | ASX project team to consider effective housekeeping of rights that expire worthless – and whether this could be improved. | ASX | 21 November 2017 |
| 45 | 10 Oct 2017 | Review recommendations put to committee in Agenda item 6c) – approach to ISO best practice exceptions and provide feedback to ASX. | Members | 21 November 2017 |

| No. | Meeting Date | Open Action Items | Owner | Due Date |
|-----|--------------|--|---------|------------------|
| 46 | 10 Oct 2017 | Review recommendation put to committee in Agenda item 6d) – inclusion of unique event id in Market Infrastructure Tx id (MITI) field. | Members | 21 November 2017 |
| 47 | 10 Oct 2017 | Allow for future use of Party2+ identification in messages, and ensure discussion on same point at working group meetings re business requirement. | ASX | 21 November 2017 |

| No. | Meeting Date | Closed Action Items | Owner | Closed Date |
|-----|------------------|---|-------------|------------------|
| 1 | 13 December 2016 | Amend the Charter to reflect that the Chair “will” (instead of “may”) forward copies of the minutes to the Business Committee for endorsement. ASX to publish and distribute final Charter. | ASX | 13 December 2016 |
| 2 | 13 December 2016 | Provide members with information on how to access SWIFT MyStandards. | ASX | 14 March 2017 |
| 3 | 13 December 2016 | Provide members with an overview of ISO 20022 training options. | ASX/SWIFT | 7 February 2017 |
| 4 | 7 February 2017 | Provide members with list of current scope of messages for detailed mapping during first half 2017. | ASX | 14 March 2017 |
| 5 | 7 February 2017 | Schedule training webinar for the attendance by members and seek and review feedback after the initial webinar. | ASX / SWIFT | 14 March 2017 |
| 6 | 7 February 2017 | Add link to relevant ISO 20022 information websites to the CHES Replacement web page. | ASX | 14 March 2017 |
| 7 | 7 February 2017 | Provide more details on access to online education available at swift.com. | SWIFT | 14 March 2017 |
| 8 | 7 February 2017 | Provide members with the current list of Market Identification Codes (MICs) | ASX | 14 March 2017 |
| 9 | 7 February 2017 | Provide members with more information on the use of BIC vs. UIC as the party identification code. | ASX / SWIFT | 14 March 2017 |

| No. | Meeting Date | Closed Action Items | Owner | Closed Date |
|-----|-----------------|--|----------------------|---------------|
| 10 | 7 February 2017 | Market Operators to advise the preferred MIC to be presented in trade related messages as the "Place of Trade". | ASX, Chi-X, NSX, SSX | 6 June 2017 |
| 11 | 7 February 2017 | ASX to conduct analysis on whether the identification of a financial instrument is a fixed value or true value of the proprietary code issuer. | ASX | 14 March 2017 |
| 12 | 7 February 2017 | Provide list of proposed code (i.e. condition or BOM) in ISO 20022 format (4 character) mapped against CHES codes. | ASX | 14 March 2017 |
| 13 | 7 February 2017 | Add a general CHES Replacement update to the standing agenda for meetings. | ASX | 14 March 2017 |
| 14 | 7 February 2017 | Check the next Technical Committee meeting date planned for March and advise members of any change. | ASX | 14 March 2017 |
| 15 | 14 March 2017 | Schedule future agenda item to discuss transition arrangements, including any changed values (e.g. party identifiers). | ASX | 2 May 2017 |
| 16 | 14 March 2017 | Create register of matters that may impact upstream, downstream systems or processes, including codes, identifiers and ISO 15022. | ASX | 2 May 2017 |
| 18 | 14 March 2017 | ASX to draft procedures for change requests to usage guidelines and code lists. | ASX | 2 May 2017 |
| 21 | 2 May 2017 | Provide a list of standard training topics to share. Noted this action item is combined with action item 20. | SWIFT | 6 June 2017 |
| 22 | 2 May 2017 | Provide members with a copy of the presentation material from the trial training webinar held on 27 April 2017. | ASX | 6 June 2017 |
| 24 | 2 May 2017 | Resolve issue with Comments function on MyStandards and advise members when fixed. | ASX/SWIFT | 6 June 2017 |
| 25 | 2 May 2017 | Provide samples of the proposed consolidation and rationalisation scenarios for EIS 138 and EIS 134. | ASX | 6 June 2017 |
| 26 | 2 May 2017 | Provide proposal to broaden the engagement and method to seek feedback on key concepts such as consolidation/rationalisation. | ASX | 6 June 2017 |
| 27 | 6 June 2017 | Publish list of comments received on MyStandards with ASX responses regularly, around the time of each meeting. | ASX | 18 July 2017 |

| No. | Meeting Date | Closed Action Items | Owner | Closed Date |
|-----|---------------|--|--------------|-----------------|
| 28 | 6 June 2017 | Re-publish ISO 20022 equivalent of EIS 138 with corrected default value INFO for issuer of financial instrument code. | ASX | 18 July 2017 |
| 29 | 6 June 2017 | Review EIS 102 mapped equivalent message with Scott Oakland, JPM – optional inclusion of HIN. | ASX | 18 July 2017 |
| 33 | 6 June 2017 | Provide a presentation of CHESSEIS mapping to ISO 20022, and typical ISO 20022 flows to assist committee discussion of key topics (e.g. rationalisation, consolidation, descope of certain processes like allegement modify). ASX would also seek input from key members about the best process going forward. | ASX | 18 July 2017 |
| 34 | 6 June 2017 | Add the overview of transaction ids to the July meeting agenda. | ASX | 18 July 2017 |
| 31 | 6 June 2017 | Sample consolidated (EIS 138) and rationalised (EIS 138 and 134) messages published in the MyStandards community – in a separate collection “Sample Message Review”. Members to review and provide further comments via MyStandards, email. | Members | 22 August 2017 |
| 32 | 6 June 2017 | For Cancel/Correct & Modify, ASX recommendation revised to only do cancel/correct for bilateral modifications (and not allow modify – removal of EIS 121). ASX to contact users of EIS 121, and action remains open until all members confirmed their agreement with the recommendation. | ASX, Members | 22 August 2017 |
| 30 | 6 June 2017 | Obtain international usage comparisons on the use of UTC time format. Members to provide input from international offices where possible. | ASX, members | 22 August 2017 |
| 35 | 18 July 2017 | ASX to publish all final draft usage guidelines in MyStandards and highlight to members those usage guidelines that need their review. SWIFT to advise if a flag is available in MyStandards to indicate particular review items. | ASX, SWIFT | 22 August 2017 |
| 36 | 18 July 2017 | Provide members with details of feature in MyStandards to affirm a comment. | ASX, SWIFT | 22 August 2017 |
| 17 | 14 March 2017 | Provide further information on party identification for issuers – UIC or BIC and proposed process. | ASX | 10 October 2017 |
| 37 | 18 July 2017 | Provide comparisons to other market implementations of transaction ids. | ASX, SWIFT | 22 August 2017 |

| No. | Meeting Date | Closed Action Items | Owner | Closed Date |
|-----|--------------|---|-------|-----------------|
| 38 | 22 Aug 2017 | Review consistency of the application of UTC date, date and time, zulu format, and add item to upstream/downstream considerations log re the use of UTC for Trade Date confirmations from AMOs (with flow on impact to EIS 164 equivalent). | ASX | 10 October 2017 |
| 40 | 22 Aug 2017 | Provide list of CHES EIS messages in scope for detailed mapping during 2 nd half of 2017, including identification of descoped messages. | ASX | 10 October 2017 |

