

Minutes

ISO 20022 Technical Committee Meeting

Date	Tuesday, 25 June 2019	Time	3.00pm – 5.00pm
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Location	ASX Offices – Level 1, 20 Bridge Street, Sydney and via webinar
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1. Welcome, Agenda

2. Minutes from last meeting, open actions

3. Matters for Consideration (Business and Technical Matters)

- a) Focus Group update – Corporate actions
- b) Review of member feedback on published 'to-be' messages
- c) Batch Settlement
- d) 'To-be' messages for review

4. Standing agenda items

- a) CHES Replacement project update by ASX
- b) ISO 20022 project update by ASX
- c) Update from Business Committee

5. Next meeting - Tuesday 23 July 2019 - Sydney

Technical Committee Members

Company	Name	Job Title	Apologies
Australian Payments Network Limited	Andy White	Chief Executive Officer	
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	Penelope Stafford	Manager Settlements	
BNP Paribas Securities	Wayne Murphy	Project Manager	
Boardroom Limited	Tony Robinson	Senior Software Engineer	
Boardroom Limited	Michael Mullins	CIO	
Broadridge (Australia)	Manoj Mathew	Business Analyst	
Broadridge (Australia)	Mabel Chow	Development and Support Manager	
Broadridge (Australia)	Tomas Kliman	Senior Project Manager	
Broadridge (Australia)	James Marsden	APAC Business Development & Strategy	
Broadridge (Australia)	Andy King	Product Specialist	
Broadridge (Australia)	Anil Wali	Product Specialist	
Broadridge (Australia)	Alok Ranjan	Technology Specialist	
Broadridge (Australia)	Beverley Chatterton	Senior 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	
Citicorp	Andrew Gibson	Director – Head of Direct Custody and Clearing Australia & NZ	
Citicorp	Brett Dennis	Head of Operations – Party Clearing	
Citicorp	Lyll Herron		
Citicorp	Janice O'Brien	Markets & Securities Services Technology	

Company	Name	Job Title	Apologies
Citicorp	Matthew Warner		
Citicorp	Ashok Kumar Balusa		
Citicorp	Glenn Pahilan		
Citicorp	Stephen Rylands	Product Manager	
Citicorp	Pradeep Pandian		
CMC Markets Stockbroking	Nikola Vanstan	Change Manager	
Computershare	Paul Walton	Senior Manager, Corporate Actions & New Business Development – Investor Services	
Computershare	Leanne Bailey	Senior Business Analyst Product & Innovation	
Computershare	Laik Tan		
Computershare	Carl Christensen	Senior Project Manager	
Computershare	Nicki Priem	Projects Manager, Technology Services	
Deutsche Securities	Kevin Novini		Apology
Digital Asset	Fil Mackay	Senior Product Architect	
Digital Asset	Daniel Begley	Business Development & Strategic Partner Director	
FinClear Technology	Craig Gray	Product Manager – Australia and NZ	
FinClear Technology	Nikki Gleisner	Account Manager	
FinClear Technology	Allan Morris		
FinClear Technology	Craig Day		
FinClear Technology	Ravinder Jabbal		
GBST	Sue Schafer	Product Owner	
GBST	Khanh Le	Systems Architect	
GBST	Valter Di Girolamo	Senior Business Analyst	
Goldman Sachs	Josh Rice		
Goldman Sachs	Nidhi Luthra		
Goldman Sachs	Kenichi Shirasuna		
Goldman Sachs	Calvin Lo		
HSBC Securities Services	Gregory Wilkin	Head of HSBC Operations	

Company	Name	Job Title	Apologies
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,	
HSBC Bank Australia Limited	Phyllis Yeung	Senior Analyst	
HSBC	Herman Wong	Manager, Change Management & Delivery	
HSBC	Edmond Chan	Senior IT Development Manager	
HSBC	Cherrie Xu	Head of IT Securities Service	
HSBC	Asri Asat	Optimisation Manager, Securities Service	
HSBC	Chang Gao	Business Consultant	
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	Ned Miglez		
JP Morgan	Daniel Smith	VP, Network Management	
JP Morgan	Lesley Henderson	Technology Product team	
Link Group	Ian Batterham	Business Applications Architect	
Link Group	Robert Watson	IT Architect, Technology & Innovation Division	
Link Group	Stephen Dear	Project Manager	
Macquarie Group	Paul Bragg	Senior Manager Equities Clearing ANZ	Apology
Macquarie Group	Merrilyn Auton	Manager Operations	
Morgans Financial	Matt Neubauer	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		

Company	Name	Job Title	Apologies
Morgan Stanley	Gordon Davies	VP/Firmwide Ops	
Morgan Stanley	Andrew Sime		
Morgan Stanley	Emily Krezlewski	Operations	
NAB Asset Management	Suresh Chinnappa	Senior Manager ASO Process Enhancement	Apology
NAB Asset Management	Mark Zahorjanski	Lead Overnight Custody Support	
National Stock Exchange	Yemi Oluwi	Head of Technology	
Nomura Research Institute	John Ryan	Senior Consultant	
Nomura Research Institute	Ashish Jha		
Nomura Research Institute	Sayantana Majumdar	Chief Manager, Business Solutions	
Nomura Research Institute	Diptesh Chakraborty	Solution Architect	
Northern Trust	Yen Pan Chung	Senior BA, Market Advocacy and Innovation Research	
Northern Trust	Pawel Kalbrun		
Northern Trust	Tracey Murphy		
Securitease	Anton Smith	Director	
Securitease	Chris Werry	Business Analyst	
Securitease	Angela Losurdo	Business Systems Analyst	
Share Investing	tbc		
SWIFT Standards	Nicole Jolliffe	Senior APAC Standards consultant	
Sydney Stock Exchange	Leo Zhang	Manager – Market Control	
Sydney Stock Exchange	Omar Obol	Market Control Officer	
Sydney Stock Exchange	Antony Tolfts	Listing Director	
Third Party Platform	Lindsay Grugeon		
UBS	Phillip Drury	Phillip Drury, Executive Director, Equities IT	
UBS	Neil Martin	IT – Project Management	
Wealthhub Securities	James Channon	Manager, Capital Markets Trading	
Wealthhub Securities	Alona Ma	Associate – Broking Operations Specialist	
Wealthhub Securities	Sandeep Samireddy Gari		

ASX Management

Name	Job Title	Apologies
Tim Hogben	Chief Operating Officer (Chair of the Technical Committee)	
Gary Hobourn	Senior Economic Analyst, Regulatory and Public Policy	Apology
Con Korkofigas	Senior Legal Counsel and Senior Manager	
Tegan Jones	Senior Legal Counsel	Apology
Adriana Wild Taylor	Legal Counsel	Apology
Cliff Richards	Executive General Manager, Equity Post Trade Services	Apology
Katie McDermott	General Manager, Equity Post Trade Services	
Karen Webb	Senior Manager, Equity Post Trade Services	
Russell Eyre	Enterprise Architect	Apology
Anne-Marie Fisher-Taylor	Project Subject Specialist	
Fraser Moodie	Manager, Integration and Connectivity, CHES Replacement	Apology
Frederik Van den Weghe	Senior Manager, Business Analysis	
Ashley D'Souza	Senior Business Analyst	
Priscilla Ferri de Barros	Senior Business Analyst, Equity Post Trade	
Sachin Zope	Business Analyst, Equity Post Trade	
Rohan Cush	Senior Legal Counsel	

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 the meeting, referring to the presentation slides prepared by ASX.

AGENDA ITEM 2: MINUTES FROM LAST MEETING, OPEN ACTIONS

The Chair noted that the minutes from the last meeting held on 28 May 2019 had been finalised, with no comments received. The minutes had been distributed and published on the CHES Replacement web page.

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

Action item 20 was for ASX to provide a proposed plan for the remaining training webinars. The Chair noted that ASX would be guided by committee members as to the appropriate timing and content. **This item remains on hold.**

Action item 62 part 3) was for ASX to consider the visibility of holding locks to issuers on an intra-day basis. The Chair noted that this topic had not been tested at Focus Groups to date, and ASX would use that forum to consult and test prior to presenting back to this Committee. **Part 3) of this item remains open.**

Action item 84 noted that ASX will not provide backwards compatibility, but will evaluate how to provide better transparency on substantive changes. The Head of Product, Equity Post Trade noted the discussion at the past meeting, and added that ASX's intention in subsequent technical documentation (after the release later this week) was to provide visibility of some standards as they relate to key elements including price, amount and quantity. ASX proposed putting this action back to the member community to highlight to ASX any other commonly used fields they believe are relevant and substantive and require better visibility. The Head of Product, Equity Post Trade requested this feedback in conjunction with feedback on the other material shared with this committee by the next meeting, if not earlier. A member sought clarification whether this would be included in the second part of tranche three of technical documentation to be released later this week. The Head of Product, Equity Post Trade confirmed it would not, but suggested the possibility that ASX would provide an additional documentation release prior to tranche four to provide such information. The Chair proposed **this item remain open** until the next meeting.

Action item 85 was for ASX to consider inclusion of investor identity (HIN) to allow a validation pre change of controlling participant transfer. The Head of Product, Equity Post Trade advised that ASX had reviewed this suggestion internally, and noted that the 'pre' and 'post' check applies where there is a change in ownership, for example, transfers. For change of controlling participant there was no change of ownership of the investor, and as a result it would not be aligned with a workflow including a pre check (i.e. no change to the flow presented at the last meeting). A member noted feedback at the last meeting by several participants that omission of a pre-check presented a risk for them (brokers, not registries). The Chair clarified the situation was one where a transferor submits a HIN to be transferred to a transferee, and the transferee takes the HIN, and taking that HIN they receive registration details they were not expecting. A member noted the new proposed solution would be an improvement over the current process. The Head of Product, Equity Post Trade noted that the concept of an unsolicited change of controlling participant was not a particularly real concept, rather it was a bilaterally agreed workflow. The Chair requested members provide specific feedback regarding mismatches, including statistics on the frequency and where mismatches occur and pose a risk. Otherwise ASX would leave the solution as is. **This item remains open.**

AGENDA ITEM 3: MATTERS FOR CONSIDERATION

a) Focus Group update – Corporate actions

The Head of Product, Equity Post Trade provided an overview of the 18 June 2019 Focus Group meeting on corporate actions. Referring to ASX presentation slide number 7, the Head of Product, Equity Post Trade outlined ASX's proposed solution design for DRP and BSP instructions between participant and issuer, including workflow. Feedback was due

from focus group members by 28 June 2019. The next meeting would be held on 9 July 2019 on corporate actions related requirements.

A member asked how a stale message would be considered in the workflow, noting that in stage 3 of the diagram presented the dividend election request goes to the issuer registry, and asked what would happen if there was no reply after that point. The Head of Product, Equity Post Trade, noted this question related to another question of whether registries must/should/will take up this offering, and advised that further consultation with industry via Focus Groups was required before the message suite was presented to this committee for detailed review. The Chair sought views from members whether the service should be mandatory or optional. A member noted that making the service mandatory related (particularly for BSPs and DRPs) to the issuer, and the issuer's choice of whether to offer the solution or not. The member noted their own organisation wished to be able to provide a service to those issuers who do choose to provide BSPs and DRPs. Another member noted their organisation's strong support for making the service mandatory, because fragmentation necessitates different processes and controls to cater for different issuers/share registries. From an outward bound corporate actions announcement perspective, the member noted that all issuers have to announce using the ASX channel, and the member would like to see the same requirement for instructions coming back via the same (ASX) channel (for those issuers who do have DRPs/BSPs), and noted this should be formalised via the Listing Rules. The ASX Senior Legal Counsel and Senior Manager added that it was important to be specific about what is mandatory – mandatory that issuers and their registry be able to receive the message(s) relevant to the BSP/DRP election(s), or mandatory that whenever there has been a notification by ASX of an election that that determines the outcome of a relevant corporate action. The latter was a substantive step, in that it was prescribing that the terms across different issuers have to accommodate the specific ASX mechanism for providing that election (i.e. standardising across all issuers, and necessitating support for ASX to be able to do this across all issuers). The Senior Legal Counsel and Senior Manager noted the example provided to the Focus Group of takeovers, where ASX has the support of the Corporations Act to achieve the standardised outcome.

Another member suggested it should be an additional channel, but not the sole channel, with contemplation of an update/enquiry mechanism for changes that came in via another channel. The member suggested issuers' likely hesitation to mandate the parameters available for a DRP, given its function as a capital management tool, and suggested there are likely reasons there are a variety of ways DRPs operate today. Another member noted they had reviewed preliminary statistics from their organisation, and were struggling to generate a business case to support this functionality based on the number of DRPs their organisation would receive (and noting these were not all CHES holders). The Chair noted this functionality had come out of prior industry consultation. The General Manager, Equity Post Trade Services made the distinction between the scope of the CHES Replacement project to provide the technology solution to enable this functionality, and additional work to provide standardisation across the market, the latter not necessarily being aligned with the go-live date for the CHES Replacement solution.

The Head of Product, Equity Post Trade noted that ASX would present back to the focus group on all topics and outcomes in August.

b) Review of member feedback on published 'to-be' messages

Referring to ASX presentation slide number 8, the Business Analyst, Equity Post Trade provided an overview of feedback received regarding the messages presented at the 7 May 2019 meeting for Transfers, Conversions and SRN Enquiry. Feedback on 9 guidelines had been received from 4 members, and ASX would publish the member comments and its feedback on those comments the day following this meeting. As a result of the comments one schema change would be published in the next release of technical documentation later that week. A member noted that a question they had posed to 'the Regulator' was still outstanding regarding 'shell' account creation, and they would revert to ASX as soon as they had a response.

A member advised they were still awaiting ASX's summary and commentary on the feedback from the Focus Group on this topic, and sought clarification whether this would be included in the release of technical documentation later that week. The Head of Product, Equity Post Trade confirmed that was correct. The member also noted the classification of the 4 members who provided feedback, as shown on ASX presentation slide number 8 (2 vendors, 2 participants), and

sought clarification whether their organisation (a registry) was being included in the 'vendor' category. The Business Analyst, Equity Post Trade, confirmed that the registry had been included in the participant statistics on ASX presentation slide number 8. The member commented on how low the number of respondents was.

Referring to ASX presentation slide number 9, the Business Analyst, Equity Post Trade provided an overview of feedback received regarding the messages presented at the 28 May 2019 meeting for change of controlling participant, holding adjustments and warrants. Feedback on 11 guidelines had been received from 3 members. A member noted the additional discussion at the Focus Group meeting on 18 June 2019 on the additional content that may be considered desirable for holding adjustments and transformations, and suggested further feedback on this matter was likely. The Head of Product, Equity Post Trade advised that feedback from the Focus Group on holding adjustments would likely come back to this committee for the relevant message consideration.

Referring to presentation slide number 10 the Business Analyst, Equity Post Trade, provided an overview of the hold_221 message usage and statuses. A member asked whether the relevant Focus Groups would get to see the reject reasons before being set in stone to ensure consistency, and noted that some of the current reject reasons were obscure. The Senior Business Analyst, Equity Post Trade advised that ASX had presented the reject reasons to this committee via MyStandards, and in an external code list published as part of the message review. Another member noted the process for review of reject reasons/codes appeared to be for each member to review the draft publication and provide feedback, and asked if there was any scope for a broader review of reason codes generally. The Head of Product, Equity Post Trade confirmed that each member's detailed review of the content released following committee meetings was the best way to pick-up any changes. The member reiterated their earlier point about how little feedback ASX was receiving from members, which the Head of Product, Equity Post Trade acknowledged, and also reiterating ASX's desire to receive comments back from members in MyStandards. The Chair sought clarification from the ASX project team members whether a holistic analysis had been performed around usage of codes. The Project Subject Specialist confirmed that there were scenarios in which this had been done, and that in some scenarios reject codes had been removed due to lack of use. The Head of Product, Equity Post Trade added that ASX would be happy to put a spotlight on specific reject code lists where it considered them of heightened importance. A member noted the issue that vendors are supporting most participants, and the vendors are likely not as engaged with the process as they should be (at least until the integrated test environment becomes available).

Referring to ASX presentation slide number 11, which was marked to ignore in the revised presentation, a member queried whether the field Securities Movement Details would or would not have the restriction 1 to 5. The Head of Product, Equity Post Trade noted the functionality associated with this message (hold_226) was still under review with Focus Groups, and the revised draft message would be presented back to this committee once feedback had been received via the focus group.

c) Batch settlement

The Senior Business Analyst provided an overview of the key functions performed by the batch settlement cycle, as well as key areas that will change. Changes would include limiting a subset of requests while batch settlement is occurring, timing of reports and notifications during the batch settlement process, and attributes of messages.

A member asked whether a message that was prohibited during batch settlement was sent would be rejected or queued. The Senior Business Analyst advised that the message would be queued, and once batch settlement had completed the queue would then be analysed/validated.

A member asked if the fail algorithm would become less opaque and more transparent in terms of how it will operate in the new system. The member referenced an earlier discussion around where participants take possession of stock on a cum entitlement basis, and return it on an ex entitlement basis, and noted the limitation today that the system did not allow the participant to do both the receive and return in the same settlement batch. The member asked if the settlement algorithm in the new system would allow both cum and ex to settle in the same batch. The Chair advised that ASX would take the last question away to consider for the next meeting. Regarding transparency of the fail algorithm, the Chair noted two key principles: to make settlement as efficient as possible; and to avoid knock on impacts

further into the settlement cycle. The member further asked if anyone connected via node would have extra visibility over the fail algorithms 'thinking process' (what it is optimising, failing, prioritising etc). The Head of Product, Equity Post Trade clarified that further detail around why this information is required would be helpful, and suggested this could be progressed bilaterally.

Referring to ASX presentation slide number 13, the Senior Business Analyst, Equity Post Trade stepped through the 'to-be' message consolidation table, which also included detail on which party the messages would be sent from/to. 14 EIS messages were consolidated to 10 ISO 20022 messages, noting that two messages (sett_133 and sett_135) were currently in draft form with ISO.

Given the importance of the messages to the payment provider community, the Chair asked for an indication of who on the committee was acting in the capacity of a payment provider, or as vendor for payment related messages. Several members confirmed they were acting in either capacity. The Chair added that ASX would also engage with AusPayNet to ensure these messages were brought to the attention of the payment provider community.

Referring to ASX presentation slide numbers 14 to 16, the Senior Business Analyst, Equity Post Trade provided an overview of the (proposed) 'to-be' message consolidation for funds notification (noting that default management was flagged as an area for future analysis), funds notification message flows and scheduled batch settlement message flows.

Referring to ASX presentation slide number 17 and 18, the Senior Business Analyst, Equity Post Trade provided an overview of the message structure and some particular fields of note for sett_134 (participant funds notification), reflecting a consolidation of the EIS 150 and EIS 186 messages.

Referring to ASX presentation slide number 19 to 21, the Senior Business Analyst, Equity Post Trade provided an overview of the message structure and some particular fields of note for sett_133 (funds obligation), a new draft message created at the request of ASX, reflecting a consolidation of the EIS 310 and EIS 312. Given that sett_133 was a new message, a member asked if the name indicators were ISO standard names. The Senior Business Analyst, Equity Post Trade confirmed that the element names were standardised according to ISO. However ASX will provide annotations to identify how the elements will be referenced in Australia. The member asked if ASX would provide a complete list of the names and the new mapping, or whether ASX was expecting participants would do this themselves. The Senior Business Analyst advised that this information could be found in the Usage Guidelines. The member suggested this was not what they were enquiring about, but that it could be dealt with later.

Another member noted that today a payment provider would receive multiple EIS 310 messages and one EIS 312 message, and clarified whether in the new system they would just receive one sett_133 message, or multiple sett_133 messages. The Senior Business Analyst confirmed that a payment provider would receive multiple sett_133 messages for each payment facility, and that the process flow would be the same.

Regarding the field 'Amount' on the sett_133, a member asked if the number was directional (i.e. positive or negative). The Senior Business Analyst confirmed that the number was always positive, with every amount field accompanied by a credit/debit indicator. This was a consistent principle across all ISO messages.

Referring to ASX presentation slide number 22 to 24 the Senior Business Analyst, Equity Post Trade provided an overview of the message structure and particular fields of note for the sett_135 (funds obligation status advice), sett_131 (settlement cancellation notification) and sett_129 (suspended settlement instruction status advice).

Referring to ASX presentation slide number 25, the Senior Business Analyst, Equity Post Trade provided an overview of the current EIS messages involved in settlement movement of units, and the equivalent ISO 20022 messages. Some messages were noted for future analysis.

Referring to ASX presentation slide numbers 26 and 27, the Business Analyst, Equity Post Trade explained the funds notification message flow and settlement movement of units message flow to settlement participants.

Referring to ASX presentation slide numbers 28 to 34, the Business Analyst, Equity Post Trade explained the sett_130 (rescheduled settlement instruction), sett_137 (effected net funds movement confirmation), sett_136 (effected net

settlement movement) and sett_119 (settlement confirmation) messages. With regard to sett_119, the Business Analyst, Equity Post Trade noted it covered existing EIS 156 and EIS 192 messages (full or partial settlement) with enhanced information compared to the current EIS 192. The sett_119 will include additional attributes such as previously settled units, remaining units, previously settlement amount, remaining cash amount awaiting settlement, standard settlement price (SSP) adjustment, and value of units settled. Two attributes (previous unit quantity and previous settlement amount) would be removed as they are not supported by the ISO base message given they reiterate the units/settlement amount that was “due” to be settled where the definition of this message is a confirmation.

With regard to the sett_136 message, a member noted the message fields displayed had a unit quantity but no direction (positive or negative), and there did not appear to be a provision for cum/ex basis of movement. The Senior Business Analyst confirmed there was a direction (delivery/receive) field for settled quantity and basis of movement in the message, they had just not been included in the snapshot of fields presented on ASX presentation slide number 31. The Chair asked whether there was currently a basis of movement field in the equivalent EIS 146 message, which the Project Subject Specialist confirmed was correct.

A member asked if payment providers would get an earlier and more frequent notification of their anticipated net position in the batch in the new system, as this functionality had been discussed previously in working groups. The Head of Product, Equity Post Trade advised that the functionality required further consideration by ASX as part of its analysis of reporting-related topics.

The Business Analyst, Equity Post Trade confirmed that ASX would publish all the messages presented at the meeting in MyStandards, for member feedback by 9 July 2019.

The Chair reiterated his recommendation for direct engagement with the payment providers, both from members of the committee who are or act in some capacity for payment providers, as well as ASX, given the criticality of the notifications and authorisations of funding (**Matters Arising 1 - Action Item 86**). A member asked if there had been any feedback from the payment provider meetings, with that member noting that they had become aware of some information shared with that group via their own organisation. The Chair advised that ASX had not shared the level of detailed information presented at this meeting at the payment provider meetings to date, and that the feedback ASX had received from that cohort to its consultation could be categorised as benign. The member noted that they had provided feedback to their payment provider directly.

A member asked how many payment providers currently use CHES PC. The Head of Product, Equity Post Trade confirmed that it was indeed a viable choice for that cohort, and that a number of payment providers currently used CHES PC or CHES Access. The member noted that with CHES PC going away this would necessitate a re-think on their part.

The member also asked whether diary adjustments would be reviewed soon. The Head of Product, Equity Post Trade advised this was content that would be taken to a corporate actions Focus Group prior to being presented to this committee.

AGENDA ITEM 4: STANDING AGENDA ITEMS

a) CHES Replacement project update by ASX

The General Manager, Equity Post Trade Services noted that the Customer Development Environment (CDE) was open, with the next drop of code being released later this week. Testing was occurring via all three channels, and was going well from a functionality perspective. From a connectivity perspective, the General Manager, Equity Post Trade Services flagged that CDE is considered a new service, and may require a longer lead time than may be anticipated, and encouraged any members considering connecting to get their applications in early. From 1 July 2019 share registries would be granted access to CDE, and they were encouraged to commence engagement with ASX regarding application.

The second drop of code into CDE would include trade capture, trade registration, novation and payment facilities for batch settlement.

The third tranche of technical documentation was released on 30 May 2019, and an additional aspect of that tranche would also be released later this week, to enable feedback on transfers, conversions and SRN enquiry to be captured. The General Manager, Equity Post Trade acknowledged and thanked members for the feedback ASX had received on that functionality, and advised that committee members would have visibility over how ASX had considered that feedback via a summary document that would be published in the release of technical documentation later this week.

The General Manager, Equity Post Trade Services noted that ASX had released its first project newsletter on 20 June 2019. The newsletter would initially be disseminated monthly, with the frequency increasing as the project got closer to go-live date. Feedback on the newsletter was welcomed, noting its intention to provide a wholesome view of the project to all stakeholders.

Digital Asset had recently announced that Digital Asset Modelling Language (DAML) was compatible with Hyperledger Fabric and R3's Corda blockchain platforms, and Aurora cloud storage engine on Amazon Web Services. This followed an earlier announcement regarding integration with VMWare Blockchain and Hyperledger Sawtooth. The General Manager, Equity Post Trade Services noted that the implication of this for customers was choice regarding what DLT platform they wished to use, and ASX viewed this as a great opportunity to increase use of DAML.

On the stakeholder engagement front, the Focus Group on 18 June 2019 on corporate actions related topics (DRPs and BSPs) had already been discussed, with feedback requested by 28 June 2019. The latest Connectivity and Integration working group was held on 5 June 2019 focused on multichannel support, and the next meeting was scheduled for 3 July 2019 on the topic of AMQP design patterns.

A member clarified whether the CDE access for share registries included node access as well as messaging, which the General Manager, Equity Post Trade Services confirmed was correct. Share registries would have access to all connectivity methods in CDE from 1 July 2019.

The Chair added that ASX had a quarterly meeting with its Regulators (ASIC, RBA, Treasury and ACCC) the week prior, and its Regulators were being kept informed on the project.

b) ISO 2022 project update by ASX

The Senior Manager, Equity Post Trade Services provided an update on the ISO 2022 project. Topics in progress for 'to-be' mapping included settlement, transfer of novated equity transactions between clearing participants (give-up and take-up), holding adjustment, corporate actions, mFund, reports and collateral. The team was making good progress on the build of the new give-up and take-up messages with SWIFT standards consultants, noting this functionality required new ISO messages.

On the global ISO 2022 engagement front, ASX had continued to join the monthly meetings of the ISO 2022 Securities Standards Evaluation Group (SEG), with the latest meeting held the previous night. ASX was looking to get involved in an additional Evaluation team on Funds which was relevant to mFund. The latest messages reviewed by the T2S Evaluation Team (a sub-group of SEG) were collateral reporting related messages, not of particular relevance to ASX but ASX remained part of the process nonetheless. The next set of messages to be reviewed by the T2S Evaluation Team in July/August were the intra balance messages.

The Senior Manager, Equity Post Trade Services referred to ASX presentation slide number 44, which demonstrated the progress with in scope EIS 'as-is' messages (a total of 420 messages) covered in 'to-be' drops (51 messages to date) as well as additional drafts shared with this committee (an additional 19 messages). It demonstrated the amount of message consolidation being performed, which was noted would increase exponentially as the process continued.

A member asked if ASX could expand on the EIS messages contained within each of the business areas in ASX presentation slide number 44, as well as provide visibility over what sits within the T2S Evaluation stream with ISO. The Senior Manager, Equity Post Trade Services acknowledged that the member had recently already asked this question over email, and advised that the team needed to evaluate whether it would be possible, given the flexibility and agile method, and would revert once the analysis had been performed. **(Matters Arising 2 – Action Item 87).**

c) Update from Business Committee

The Chair advised that the last Business Committee meeting was held in April, and the next meeting was scheduled for 18 July 2019.

AGENDA ITEM 5: NEXT MEETING

The Chair thanked members for their contributions to the meeting and noted the actions from the meeting.

The next meeting would be held on 23 July 2019 in Sydney, with the agenda to be confirmed.

The meeting closed at 4.55pm.

Signed as a correct record of the meeting.



Technical Committee Chair

16 JULY 2019.

Date

ACTION ITEMS

No.	Meeting Date	Open Action Items	Owner	Due Date
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
62	4 Sep 2018	ASX to review <ol style="list-style-type: none"> 1. the intended timing for housekeeping of unmatched messages, any standardisation opportunities for timing. (this item was closed, given related action item #79 was also closed) 2. whether settlement requests could be future dated. (this item was closed – ASX response that future dating would not be supported) 3. ASX would also consider the visibility of holding locks to issuers on an intra-day basis. 	ASX	23 Jul 2019
84	28 May 2019	ASX will not provide backward compatibility, but will evaluate how to provide better transparency on substantive changes. 25 Jun 2019: Members to provide feedback on commonly used fields they believe are relevant and substantive for ASX to consider how it could provide better visibility on these standard field length and other characteristics.	ASX / Members	23 Jul 2019
85	28 May 2019	ASX to consider inclusion of investor identity (HIN) to allow a validation pre change of controlling participant transfer. 25 Jun 2019: Members to provide specific feedback regarding mismatches, including statistics on the frequency and where mismatches occur and pose a risk.	ASX / Members	23 Jul 2019
86	25 Jun 2019	Members who are or act for payment providers to ensure awareness of the changes to payment provider related messages. ASX to consider additional engagement activities with payment providers to ensure awareness.	ASX / Members	23 Jul 2019
87	25 Jun 2019	ASX to consider whether it could expand on the EIS messages contained within each of the business areas in the ISO 20022 Stream – Message Status table. ASX to also consider whether it can provide visibility on the draft messages under review with T2S Evaluation team, as relevant to CHES Replacement.	ASX	23 Jul 2019

No. Meeting	Date	Closed Action Items	Owner	Due Date
1	13 Dec 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 Dec 2016
2	13 Dec 2016	Provide members with information on how to access SWIFT MyStandards.	ASX	14 Mar 2017
3	13 Dec 2016	Provide members with an overview of ISO 20022 training options.	ASX/SWIFT	7 Feb 2017
4	7 Feb 2017	Provide members with list of current scope of messages for detailed mapping during first half 2017.	ASX	14 Mar 2017
5	7 Feb 2017	Schedule training webinar for the attendance by members and seek and review feedback after the initial webinar.	ASX / SWIFT	14 Mar 2017
6	7 Feb 2017	Add link to relevant ISO 20022 information websites to the CHES Replacement web page.	ASX	14 Mar 2017
7	7 Feb 2017	Provide more details on access to online education available at swift.com.	SWIFT	14 Mar 2017
8	7 Feb 2017	Provide members with the current list of Market Identification Codes (MICs)	ASX	14 Mar 2017
9	7 Feb 2017	Provide members with more information on the use of BIC vs. UIC as the party identification code.	ASX / SWIFT	14 Mar 2017
10	7 Feb 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 Jun 2017
11	7 Feb 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 Mar 2017
12	7 Feb 2017	Provide list of proposed code (i.e. condition or BOM) in ISO 20022 format (4 character) mapped against CHES codes.	ASX	14 Mar 2017
13	7 Feb 2017	Add a general CHES Replacement update to the standing agenda for meetings.	ASX	14 Mar 2017
14	7 Feb 2017	Check the next Technical Committee meeting date planned for March and advise members of any change.	ASX	14 Mar 2017
15	14 Mar 2017	Schedule future agenda item to discuss transition arrangements, including any changed values (e.g. party identifiers).	ASX	2 May 2017
16	14 Mar 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 Mar 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 Jun 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 Jun 2017

No. Meeting Date	Closed Action Items	Owner	Due Date
24 2 May 2017	Resolve issue with Comments function on MyStandards and advise members when fixed.	ASX/SWIFT	6 Jun 2017
25 2 May 2017	Provide samples of the proposed consolidation and rationalisation scenarios for EIS 138 and EIS 134.	ASX	6 Jun 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 Jun 2017
27 6 Jun 2017	Publish list of comments received on MyStandards with ASX responses regularly, around the time of each meeting.	ASX	18 Jul 2017
28 6 Jun 2017	Re-publish ISO 20022 equivalent of EIS 138 with corrected default value INFO for issuer of financial instrument code.	ASX	18 Jul 2017
29 6 Jun 2017	Review EIS 102 mapped equivalent message with Scott Oakland, JPM – optional inclusion of HIN.	ASX	18 Jul 2017
33 6 Jun 2017	Provide a presentation of CHES EIS 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 Jul 2017
34 6 Jun 2017	Add the overview of transaction ids to the July meeting agenda.	ASX	18 Jul 2017
31 6 Jun 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 Aug 2017
32 6 Jun 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 Aug 2017
30 6 Jun 2017	Obtain international usage comparisons on the use of UTC time format. Members to provide input from international offices where possible.	ASX, members	22 Aug 2017
35 18 Jul 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 Aug 2017
36 18 Jul 2017	Provide members with details of feature in MyStandards to affirm a comment.	ASX, SWIFT	22 Aug 2017
17 14 Mar 2017	Provide further information on party identification for issuers – UIC or BIC and proposed process.	ASX	10 Oct 2017
37 18 Jul 2017	Provide comparisons to other market implementations of transaction ids.	ASX, SWIFT	22 Aug 2017

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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 Oct 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 Oct 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 Nov 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 Nov 2017
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 Nov 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 Nov 2017
19	2 May 2017	Provide sample of demonstration of comparison between ISO 20022 and ISO 15022 messages.	Scott Oakland, JPM	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 descop at meetings.	Members / ASX	21 Nov 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 Nov 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 Nov 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 Nov 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 Nov 2017
48	21 Nov 2017	Members to review information provided in agenda item 6d) and respond to the question – was there appetite for using xml in model 1b or 2a as presented or keep the mapping 1 to 1.	Members	6 Feb 2018

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49	6 Feb 2018	ASX to confirm additional 'as-is' usage guidelines that could be published in Q2 and members to provide expression of interest in reviewing this set.	ASX	17 Apr 2018
50	22 May 2018	Digital Asset to review the NDA regarding the DAML SDK and respond to questions around one way vs. two way.	DA	26 Jun 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 Jul 2018
54	26 Jun 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.	Members	31 Jul 2018
55	31 Jul 2018	A member asked where change requests for SR2019 would be visible. The Senior Manager confirmed ASX would send information on where to find the information. The information is also published on MyStandards.	ASX	4 Sep 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 / ASX	9 Oct 2018
56	31 Jul 2018	Provide members with more information on the Corporate Actions STP Phase 2 project.	ASX	9 Oct 2018
57	31 Jul 2018	Members to review the consideration to provide a complete set of settlement obligations (net broker, gross broker - per slide #12 from 31 July presentation) and advise feedback to ASX.	Members	9 Oct 2018
59	31 Jul 2018	Share registries to share findings from study of registration details at the 4 September meeting.	Share registries	9 Oct 2018
61	4 Sep 2018	ASX to ensure coverage of possible scenarios for locking in the requirements, particularly those that are participant driven for certain reasons.	ASX	9 Oct 2018
63	4 Sep 2018	Members to review ASX's recommendations regarding changes to the sett_101 as presented in Agenda item 6d) and provide feedback by 18 September 2018.	Members	18 Sep 2018
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	27 Nov 2018
58	31 Jul 2018	ASX to publish proposed to be messages for updates to accounts – reda_023, reda_020, reda_021 for member review.	ASX	27 Nov 2018
60	4 Sep 2018	ASX to prepare and publish a consolidated list of all actions and outcomes from Technical Committee meetings, and update after each meeting going forward.	ASX	27 Nov 2018

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64	9 Oct 2018	ASX to advise Members the confirmed date for Technical Documentation release in December, and the associated webinar details.	ASX	27 Nov 2018
66	9 Oct 2018	Members to consider any specific topics regarding settlement, holding locks for inclusion in the agenda of the upcoming Focus group and advise ASX.	Members	27 Nov 2018
67	9 Oct 2018	ASX to review level of consolidation for Unilateral and Bilateral settlement instructions usage guidelines.	ASX	27 Nov 2018
68	27 Nov 2018	ASX to provide timeframe for when session with AMOS will be held, and provide sufficient notice to AMOs regarding the agenda and opportunity for AMOs to provide input on that agenda.	ASX	8 Feb 2019
69	27 Nov 2018	Members to provide feedback on principles for adoption of ISO 20022 per agenda item 6b.	Members	8 Feb 2019
71	8 Feb 2019	ASX to review SLAs and the timing of responses to queries submitted to both the CHES Replacement and CSP Support mailboxes, including acknowledging questions where ASX may not currently have an answer.	ASX	26 Mar 2019
72	8 Feb 2019	ASX to consider an AMO's request to join ASX's CHES Replacement community in MyStandards.	ASX	26 Mar 2019
73	8 Feb 2019	ASX to setup a meeting with Registries to further discuss Transfers and Conversions, prior to the Focus Group meeting currently scheduled for 27 February 2019.	ASX	26 Mar 2019
65	9 Oct 2018	ASX to consider if information such as participant party identification and preferences would be available within the node (in addition to published) and confirm to members as part of migration activity.	ASX	7 May 2019
70	8 Feb 2019	Members to provide feedback on where they considered the principles for ISO 20022 adoption not being followed, and ASX to consider how it measures and tests its principles of ISO 20022 adoption from a cost/benefit perspective, and clearly articulate why the changes are proposed.	Members / ASX	7 May 2019
74	26 Mar 2019	ASX to note the comment around re-work on accounts and potential impact on members own circumstances and consideration of slippage. ASX to come back to the committee if any further discussion is required.	ASX	7 May 2019
75	26 Mar 2019	ASX to review and respond to committee members regarding the availability of the access fee information.	ASX	7 May 2019
76	26 Mar 2019	ASX to review the availability of access fee information beyond go live + 3 years, and requested members contact ASX directly on this matter.	Members / ASX	7 May 2019

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77	26 Mar 2019	ASX to consider information to be provided to members regarding storage, capture, access of data within CSP and pass through of data.	ASX	7 May 2019
78	26 Mar 2019	Members to provide feedback around account creation and update related messages and information, including what they would and would not find of use in messages from CSP.	Members	7 May 2019
79	7 May 2019	Members to provide feedback on the housekeeping of unmatched DvP and bilateral demand messages end of day (related to Action item 62 – item 1).	Members	28 May 2019
80	7 May 2019	ASX to consider feedback regarding transparency of changes to scope, and consider how it could better bring changes to the Committee's attention.	ASX	28 May 2019
81	7 May 2019	Vendors to provide feedback to ASX if any changes in scope or time delays start to present challenges for their build.	Vendors	28 May 2019
82	7 May 2019	ASX to confirm the date when DAML SDK will be made available for Windows.	ASX	28 May 2019
83	7 May 2019	ASX to consider feedback received regarding the proposed model and messages for Transfer/Conversions and respond to members with final outcomes	ASX	28 May 2019