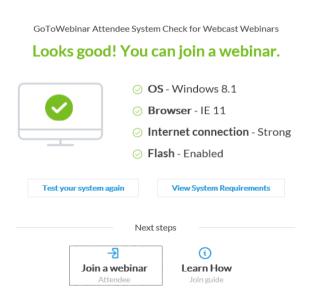


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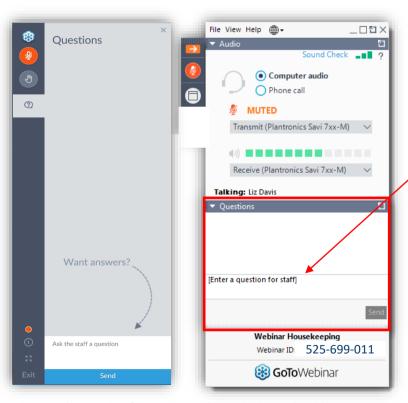
Further information:

https://support.goto.com/webinar/how-to-join-attendees





Housekeeping: how to submit questions



Your Participation

- To submit your text questions and comments use the Questions panel
- Note that your questions will not be seen by other attendees

For more information - refer to the webinar tips published on the ASX <u>CHESS</u>
Replacement web page



Housekeeping: inadvertent unsubscribe

connectivity guide for ITE1, migration considerations for mFund and replacement of the current Signal B service. It is also an opportunity for us to answer your questions.

You can submit questions in advance of this webinar by emailing CHESSReplacement@asx.com.au. There will also be an opportunity to submit questions during and after the webinar.

The session will also be recorded and made available for those who cannot attend, or anyone wishing to re-play.

Wednesday, 28 July 2021

2.00pm to 3.00pm AEST

webinar. This webinar will include an update on access pricing for service providers,

Register now >

Date:

Time:

Please note that subsequent meetings for the Implementation and Transition working group will continue to be by invitation.



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- Please do not forward your personal invite to other colleagues
- Should additional members of your team wish to register and be added to the invitation list please email CHESSReplacement@asx.com.au



Agenda

- Project update
- Consultation on third tranche & combined package of operating rule amendments
- Industry testing documentation update
- Q&A
- Next steps



Presenters and introductions

- Keith Purdie Senior Manager, Equity Post Trade Services
- Con Korkofigas Senior Legal Counsel & Senior Manager
- David Brine Project Manager, Equity Post Trade Services



Project Update



Project update

September 2021

- > The third of three tranches of operating rule amendments, together with the combined package of rule amendments was published on 31 August 2021 with a 15 week consultation period
- > New documentation published including Connectivity Guide (ITE1)
- > The last functional code release before ITE1 opens, CDE 10, was made available on 27 September 2021, allowing software providers to complete their functional development. This release includes:
 - Netting and settlement workflow changes
 - New on-demand and end of day reports
 - New functionality for DRP/BSP elections and enquiries
- > Build of the ITE1 environment infrastructure is underway and on track; ITE1 application forms available since end of July
- > New working group convened for software provider readiness
- > Information sheet providing details on system access pricing for clearing and settlement participants, PISPs, and other CHESS users including payment providers, issuers and their service providers, share registries.



Project update

September 2021

- > Ongoing engagement through bilateral meetings. Recent key themes include:
 - Additional information on market dress rehearsals (MDR) has been requested including the data in scope for testing
 - General interest to extend the scope of MDR for day 1 processing
 - More information sought in testing inflight corporate action events and transfers and conversions in the ITE-M (migration) testing environment
- > Other project updates outside of CHESS replacement include:
 - A technical and process fact sheet published end August 2021 on the <u>Electronic delivery of CHESS holding</u> statements and notifications that is scheduled to go-live in December 2021
 - A production parallel run period for the legacy Signal B service will now be made available from April to June 2022, providing an additional 3 months to finalise readiness for the new FIX standard interface. More details available via the <u>ASX Online market notice</u>



Consultation on third tranche & combined package of operating rule amendments



Topics to be covered

- > Recap of multi-year journey to rules consultation package released 31 August 2021
 - Why rule amendments are required
 - Interaction of rule amendments with solution design processes, and the consultation feedback sought
 - Three tranches of rule amendments
- > Content of the rules consultation package
 - Documents that constitute the package
 - How users can navigate
- > Tranche 3 rule amendments
 - New concepts under the netting and settlement redesign
 - Transitional rules to support the migration to the new system
- Next steps
 - Request for written rules consultation feedback by 14 December



Rule amendments required to support new system

- > To support the CHESS replacement system ASX needs to amend its rulebooks
 - New business requirements generated through six industry working groups in 2017 and confirmed through public consultation in 2018
 - Re-engineering existing functionality including system enhancements and automation of manual processes
 - Decommission existing CHESS functionality where not being used or no longer required
 - Other miscellaneous aspects including various clarifications and tidy up changes
- > 200 change aspects being addressed in the rule amendments (as identified in consultation papers)
 - Eight new business requirements
 - Over 120 aspects of re-engineering of existing CHESS functionality
 - Eight aspects of decommissioned functionality
 - Over 60 other miscellaneous aspects



New system solution design reflected

- > Rule amendments reflect the solution design for new or changed functionality in the new system as captured in the Technical Documentation, which follows extensive consultation process on that solution design
 - Focus Group meetings on solution design for significant new or materially changed functionality throughout late 2018 and 2019
 - Technical Committee meetings focused on adoption of ISO 20022 (message specifications and workflows) between December 2016 and April 2020
 - Netting and settlement redesign consultation paper in February 2021 and Focus Groups and Technical Committee meetings in March 2021
- > Rule consultation process therefore focused on the operation of the rule amendments in respect of such functionality and solution design, including unintended consequences and associated impacts



Three tranches of rule amendments

- > To make the rule amendments available to market at an early stage, ASX sought to do so in three tranches
 - Each tranche groups related sets of rules that reflect logical development of clearing and settlement aspects, being building blocks or prerequisites for other activities in the system dealt with in later tranches
 - Allowed rule amendments to be made available as solution design process for that aspect was completed, rather than waiting until completion of solution design process across all clearing and settlement aspects

First tranche

- > ASX released its consultation paper on the first tranche of draft rule amendments on 15 November 2019
 - Accounts, participants, securities and pre-settlement aspects in the new system
- > 12 submissions from range of stakeholders including participants, registries, industry bodies and vendors
 - General support for tranche 1 rule amendments, subject to specific feedback on some amendments
 - Requests for further information and clarification including on: solution design; maximum joint holdings; privacy and governance arrangements; and alignment between rule amendments and technical documents
 - Rule amendment consultation process in tranches inhibits full awareness of obligations for feedback



First tranche (cont.)

- > ASX released its response to consultation feedback on the first tranche on 22 May 2020
 - Resulting amendments largely technical in nature including: reinstatement of email purpose; and to better reflect use of secondary matching flag for new bilateral transaction matching functionality
 - Additional information provided as requested including: diagram explaining relationship between technical
 documentation and rulebook terminology for account and holder structures; and interaction between number of
 joint holders permitted under new system, legislative and ATO specifications for SMSFs and limitations under
 operating rules having regard to issuer constitutions
- > ASX flagged further consolidated rules consultation across the three tranches (together with tranche 3 on a stand-alone basis) in the June 2020 consultation paper on the CHESS Replacement Revised Implementation Timetable
- > ASX separately issued Data Governance Paper in December 2020
 - Data governance arrangements for CHESS and limited updates to data to be received and how it will be managed
 - Enhancements to existing arrangements for privacy and protection of data (covered in tranche 3)



Second tranche

- > ASX released its consultation paper on the second tranche of draft rule amendments on 21 February 2020
 - Corporate actions, mFund and RTGS payment aspects
- > 11 submissions from a range of stakeholders including registries, participants, payments providers, an industry body and an approved listing market operator
 - Concerns raised by two stakeholders with some aspects of the solution design for DRP and BSP elections, including
 having regard to the duplication of data management and related complexities and issuer / registry impacts, and
 that it went beyond the related business requirement generated by industry
 - General support for other tranche 2 rule amendments, subject to specific feedback on some amendments
 - Requests for further information and clarification including on: solution design; required revisions to plan rules for DRPs and BSPs; impact on corporate action processing for holding adjustments; and admission criteria for RTGS participants



Second tranche (cont.)

- > ASX released its response to consultation feedback on the second tranche on 24 September 2020
 - Amended DRP and BSP elections solution design and rule amendments to reflect a simplified design whereby elections and cancellations by controlling participants will be notified to issuers on a pass through basis
 - Other resulting amendments largely technical in nature including: replace requirements in plan terms for DRP, BSP, rights offer or SPP regarding participation through new functionality; and clarification on permitted processing of holding adjustments for holdings subject to a lock or subposition
 - Additional information provided as requested including on: admission criteria for RTGS participants; and principles
 for balancing processing of holding adjustments and purpose of locks and subpositions
- > ASX's response to consultation feedback on the revised implementation timetable released in October 2020 removed from the Day 1 scope of the new system certain functionality addressed in the tranche 2 rule amendments
 - Electronic acceptance and payment for entitlement offers
 - CHESS processing of elections as to alternate forms of consideration under schemes of arrangement



Third tranche

- > Third (and final) tranche is being released for the first time as part of the consultation paper published on 31 August 2021
 - Netting, settlement, reporting and miscellaneous amendments
 - Includes changes resulting from redesign of netting and settlement workflows consulted on in 2021
- > As part of miscellaneous amendments
 - Transitional rules addressing migration aspects for the cutover to the new system
 - Various other changes covering static and pass-through investor data, default management, system authentication and set up, participant identifiers, excess cash instructions, data governance, suppression of holding statements, removal of opt-out ability for trade registration and tidy-up changes
- > Consultation package also includes combined rule amendments across the three tranches, as part of the further consolidated rules consultation flagged in June 2020 consultation on the revised implementation timetable



Rules consultation documents

Presentation of tranche 3 and consolidated rule amendments

- > Presentation of rule amendments and descriptions seeks to enable stakeholders to (at their election):
 - Focus review and feedback on tranche 3 rule amendments
 - Review and provide feedback across all rule amendments, including in particular interaction between each tranche
- > Stand alone tranche 3 rule amendments in Attachments D to F
 - Any impacted tranche 1 or 2 rule changes shown in yellow highlight (i.e. iterative version)
 - Descriptions of tranche 3 changes in Part 1 of Consultation Paper and Attachment A (Summary)
- > Consolidated rule amendments (tranches 1, 2 and 3) in Attachments G to J
 - Complete set of proposed rule amendments (i.e. current point in time version)
 - Updated descriptions of tranche 1 and 2 changes in **Parts 2** and **3** of Consultation Paper and Attachment A (Summary)
 - Changes to descriptions of tranche 1 and 2 changes (from earlier consultations) identified



Rules consultation documents (cont.)

Presentation of tranche 3 and consolidated rule amendments (cont.)

- > Detailed consultation package, in same way as for tranche 1 and 2 consultations, providing stakeholders all information required to easily understand each rule change and the basis for that change
 - 865 pages consisting of 290 pages of explanatory material, 170 pages containing the tranche 3 rule amendments and 405 pages containing the combined rule amendments (tranches 1, 2 and 3)
 - Explanatory material assists readers to understand each change, including for each affected functional element: identifying impacted users and relevant consultation forums and technical documentation; and describing the affected current CHESS process together with a summary, purpose and type of change
 - Provision of tranche 3 rule changes on both a stand-alone and consolidated basis, enables readers to avoid duplicating review of rule amendments already undertaken on previous tranches
 - Existing text of rule retained for context where only part of that rule has changed, to make it easier for reader to comprehend the change without cross-referencing existing rule text through other documentation



Rules consultation documents (cont.)

Revisions included in rule amendments

- > Rule amendments (tranche 3 and consolidated) include revisions for:
 - Previous consultation on tranches 1 and 2 (rule changes identified May and Sept 2020)
 - De-scoped Day 1 functionality entitlement acceptance & scheme elections (*de-scoping* identified Oct 2020)
 - Redesign of netting and settlement workflows (process changes identified June 2021)

Format of documents

- > Documentation format consistent with tranche 1 and 2 consultations:
 - Attachment A (Summary of rule changes and linking each change description to relevant rule changes)
 - Attachments D to J (Rule amendments noting additional consolidated rules package)
 - Attachment L (Index linking each rule change to relevant change description in Attachment A)
- > Additional explanatory documentation for consolidated rule amendments including Attachment C (deletions to tranche 2 rule amendments for de-scoped Day 1 functionality)



Netting (redesign of netting and settlement workflows)

Rationale for rule amendments

> New operational process for the redesign of netting and settlement workflows to provide additional system scalability to meet higher trading volumes

Key takeaways

- > Novated market trades no longer offset and represented for settlement through CCP Net Batch Instruction ("NBO") in overnight batch processing, or as CCP Gross Batch Instructions (where not part of that offset)
- > A new type of instruction, referred to as "CCP Market Trade Batch Instruction" will be generated by ASX Clear and provided to ASX Settlement for each novated market trade leg (Cash CCP Transaction)
 - Generated on a continuous basis as Cash CCP Transaction arises
 - CCP Market Trade Batch Instruction will not be disseminated to clearing participants



Netting (redesign of netting and settlement workflows) (cont.)

Key takeaways (cont.)

- > ASX Clear to calculate for each clearing participant a net novated delivery or receipt position (NNDP) across its novated market trades (represented through CCP Market Trade Batch Instructions) for each security and PID
 - Calculation of NNDP leverages existing NBO calculation in ASXCOR 12.6.2
 - NNDP to apply across all novated market trade legs existing netting eligibility criteria for NBO removed
 - More than one NNDP can apply where multiple settlement accounts operated for clearing participant
- > ASX Clear to notify NNDP to clearing participants through a new report 'netted obligation report' with an end of day view of the participant's projected NNDP for each future settlement date
- > ASX Clear to also notify NNDP to ASX Settlement at commencement of batch settlement for that settlement date
 - Input into determining net delivery or receipt position of settlement participant together with other novated (including previously failed or suspended CCP Market Trade Batch Instructions) or non-novated obligations



Batch Settlement

Rationale for rule amendments

- > New operational process for redesign of netting and settlement workflows to provide additional system scalability to meet higher trading volumes
- > Efficiency for Settlement Participants by accounting for Failures due to a Financial Products or Payment Shortfall on a net basis rather than multiple instructions

Key takeaways

- > Currently in CHESS, each CCP Net Batch Instruction or CCP Gross Batch Instruction that is Failed due to a Financial Products Shortfall is rescheduled for settlement on the next business day. In the new system each CCP Market Trade Batch Instruction will continue to be rescheduled, however this will be done on a net basis per PID
 - ASX Settlement will notify ASX Clear of each CCP Market Trade Batch Instruction that has Failed
 - ASX Clear will generate a new 'CCP Rescheduled Batch Instruction' which will represent the net of all payment and delivery obligations under all CCP Market Trade Batch Instructions in a class of financial products that were Failed due to the shortfall
 - More than one CCP Rescheduled Batch Instruction can apply where multiple settlement accounts operated for clearing participant



Batch Settlement (cont.)

Key takeaways (cont.)

- > CCP Rescheduled Batch Instructions to also be generated on a net basis in respect of CCP Market Trade Batch Instructions scheduled for settlement when underlying security is suspended or when batch settlement is cancelled (rather than current rescheduling on line by line basis)
- > In the case of a Payment Shortfall, an equivalent new type of instruction, referred to as a 'CCP Offsetting Transaction Arrangement Batch Instruction' will apply, representing the performance on a net basis of the second leg of each Offsetting Transaction Arrangement entered into in respect of a Failed CCP Market Trade Batch Instruction.
- > If either of the new types of CCP Rescheduled Batch Instruction or CCP Offsetting Transaction Arrangement Instruction are failed on a subsequent business day, they will be scheduled for settlement on the next business day as a separate CCP Rescheduled Batch Instruction or CCP Offsetting Transaction Arrangement Instruction (as applicable)
 - That is, not on a net basis with other failed instructions



Batch Settlement (cont.)

Key takeaways (cont.)

- > There will be changes to some of the notifications Settlement Participants receive following batch settlement (including as a result of the introduction of new types of instructions)
 - Settlement Participants will no longer receive notification of each Batch Instruction that has settled in whole or in part. Instead, the new system provides reporting to settlement participants on an exceptions basis
 - New notification to settlement participants when settlement processing phase completes. Where no exception (or only exception in part) notified by that time, viewed to be declared to be settled in full or part (as applicable)
 - Exception notification is on a net basis for CCP Market Trade Batch Instructions



Transitional Rules

Rationale for rule amendments

> Supporting actions by participants, issuers and ASX Settlement outside of normal rules framework to facilitate transition to the new system and minimize complexity

Key takeaways

- > Supporting remediation, conversion and migration of holder records to the new system, including:
 - Prior to cutover participant remediation of non-compliant registration details with ISO 20022 standards for registration details in the new system
 - During cutover ASX remediation of any remaining non-compliant registration details, conversion of registration details in CHESS to ISO 20022 format, removal of non-compliant inactive accounts, conversion of existing electronic communication preferences prior to new e-statements functionality and removal of any non-compliant email details
 - Post cutover Participant updates to uncategorized entity type in holder records



Transitional Rules (cont.)

Key takeaways (cont.)

- > Minimize workflows to be migrated to the new system by reducing timeframe for participants to action certain messages received (where overlap with cutover) and providing for incomplete workflows (unactioned or unmatched messages) not to be migrated to new system, including:
 - Requests for withdrawal of financial products lodged as Cover, where third party controlling participant
 - Requests to issuer for issuer sponsored to CHESS demand transfer or conversion
 - Completion of pending takeover acceptance workflows
 - Matching of bilateral batch messages to generate a batch instruction
 - mFund application and redemption requests
- > Workflows can subsequently be initiated in the new system (subject to normal operating rules)
- > Supporting alignment of batch instructions scheduled prior to cutover with relevant form of batch instruction applicable in the new system, and linking batch instructions (where applicable)



Transitional Rules (cont.)

Key takeaways (cont.)

- > Implementing a four day blackout period for mFund application and redemption requests immediately prior to cutover
- > The commencement date of certain transitional rules to be prior to go-live of the new system to support any required actions (e.g. participant remediation of non-compliant registration details or actioning of messages) in existing CHESS prior to transition



Next steps

Response to consultation

- > Written feedback on rule amendments requested from stakeholders by 14 December 2021
- > Revised draft rules and response to consultation paper to be provided by ASX to regulators in early April 2022
- > Response to consultation to be released by ASX in early June 2022
 - Summary of feedback received
 - Address respondents' requests for clarification and further information
 - Identify revisions made to draft rule changes to take into account feedback received

Final rules publication

- > Subject to regulatory clearance, formal lodgment of the consolidated rules package in early September 2022
- > Publish final rule package in late September 2022
 - Allows at least 6 months notice of final rule changes prior to go-live of the new system in April 2023
 - Transitional rules to support migration to the new system to commence earlier as per tranche 3 rule amendments



Relevant document links

- > Tranche 3 and combined rule amendments consultation paper https://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/tranche-3-combined-rules-package-public-consultation-version-31-aug-2021.PDF
- > Response to consultation feedback on Tranche 1 rule amendments
 https://www2.asx.com.au/content/dam/asx/about/regulations/public-consultations/2020/tranche-1-response-to-cp-may-2020-full-910959v1.PDF
- > Information paper on ASX data governance under CHESS and CHESS replacement

 https://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/information-paper-asx-data-governance-under-chess-and-chess-replacement.pdf
- > Response to consultation feedback on Tranche 2 rule amendments
 https://www2.asx.com.au/content/dam/asx/about/regulations/public-consultations/2020/tranche2-response-to-cp-september2020-final-933157v1.pdf
- > Rule amendment and public consultation timeline https://asxchessreplacement.atlassian.net/wiki/spaces/COMMS/pages/100794865/Rule+Amendment+Public+Consultation+Timeline

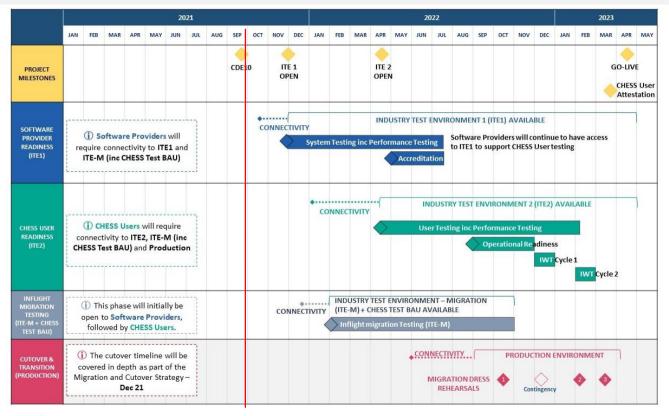


Industry testing documentation update



Industry testing overview & timeline

Runway towards ITE1 connectivity and opening





Industry testing supporting documentation

Refer to Section 6 of the Industry Test Plan

Documentation already published:

- Industry Test Strategy Jun 21
- > Connectivity Guide (ITE1) Jul 21
- Messaging Accreditation (netting & settlement updates) Aug 21

Upcoming documentation (end Sep):

- Suide to Testing Services (ITE1) Sep 21
- > Failover & Recovery details (ITE1) Sep 21
- > Connectivity Guide (ITE-M) Sep 21
- Connectivity Guide (ITE2) Sep 21
- > CHESS UI (mFunds) Sep 21

Upcoming key documentation milestones

- Suide to Testing Services (uplift) Nov 21
- Accreditation Guide Nov 21
- > Operational APGs completed by Dec 21
- Ops Readiness Scenarios Dec 21
- > Cutover & Migration Strategy Dec 21
- Suide to Testing Services (ITE2) Jan 22
- > Failover & Recovery details (ITE2) Jan 22
- > Market Dress Rehearsal (MDR) details Jul 22
- > Industry Wide Testing details Sep 22

The forward release plan will continue to be updated highlighting when key deliverables and topics will be published to the market



ITE1 Connectivity – new application form

ITE1 application form:

- > ITE1 is only for those technically accrediting software;
- > Previously submitted ITE1 forms will need to be re-submitted;
- > Key changes include:
 - Clearer role groupings for more comprehensive customer testing abilities
 - AMQP customers can request an additional reporting queue
 - Details required for <u>two</u> new Enterprise Admin roles 1.
 CHESS UI, 2. Security management
- > ITE1 customer connectivity will commence from mid-October
- Order forms can be found in the <u>technical documentation portal</u>
- Completed order forms can be sent to CHESSReplacement@asx.com.au



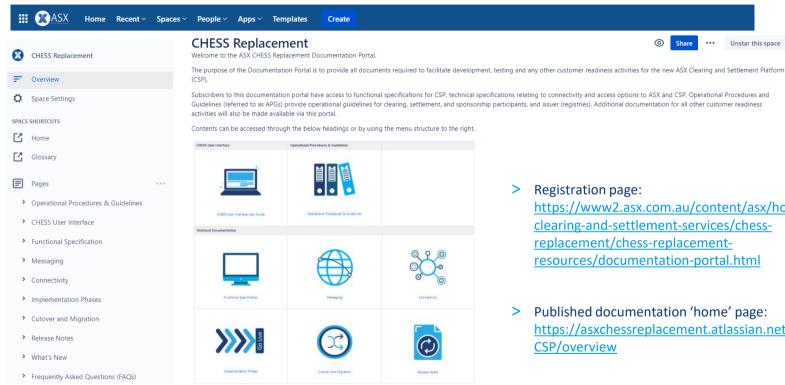
ASX Clearing and Settlement Platform (CSP)

Industry Test Environment (ITE1) Application Form

| | may request access to the ITE1 Technical Environme ning. Please complete and return this form to <u>CHESS</u> plication Form'. | |
|--|--|---|
| | Subscriber | ASXO |
| Name | | ASX Operations Pty Ltd |
| ABN/ACN # | | 42 004 523 782 |
| Address | | 20 Bridge Street NSW 2000 |
| Please identify the type of subscriber/role you intend to use for ITE1 - For software providers, please indicate the CHESS User types you intended to develoo against in ITE1 | Participant - which includes the roles Trading, Clearing & Settl Trading Participant Non Trading Settlement Third Party Clearing & Settlement Third Party Clearing & Settlement Issuer (Registry) - which includes; Share Registry Bid Offerer | ement Participant Participant ettlement Participant cipant |
| - This will assist testing tool and test data allocation | Product Issuer Settlemen | nt Participant (PISP) |

Market facing project documentation

Periodic publications of documentation are made to our Confluence space



Registration page: https://www2.asx.com.au/content/asx/home/markets/ clearing-and-settlement-services/chessreplacement/chess-replacementresources/documentation-portal.html

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Published documentation 'home' page: https://asxchessreplacement.atlassian.net/wiki/spaces/ CSP/overview



Q&A



Next steps



Next steps

Key points from today's webinar:

- > Last functional code drop, CDE10, now available
- > New industry testing documentation inc. connectivity guide, guide to testing services, and failover and recovery guide
- > ITE1 connectivity to commence from mid-October; ITE1 to open from late November
- > Written feedback on rule amendments requested from stakeholders by 14 December 2021

Review and feedback:

- > Webinar recording, slides and Q&A will be published on the CHESS Replacement webpage
- > Provide feedback by contacting CHESSReplacement@asx.com.au use "I&T webinar" as the subject heading
- > Feedback welcome by COB Wednesday, 13 October '21

Next I&T Working Group meeting:

> Date: Wednesday, 27 October 2021



Thank you.





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