

Program Newsletter



[CHESSE Replacement homepage](#)

CHESSE Replacement Project Update

July 2021

Unfortunately when it comes to COVID a lot can change in a week (or even a day!), I hope you and your respective organisations are keeping well and business continues to track in the right direction.

I am pleased to say that while this comes with some challenges, there are still many things we can update you on in this newsletter including:

- Publication of ASX's [response to consultation feedback](#) on confirmed changes to netting and settlement workflows on 30 June 2021, as well as publication of updated functional specifications and messaging requirements to reflect the netting and settlement workflows on the same day. This is the culmination of months of engagement with many CHESSE users and software providers, and we thank the industry for its diverse and constructive feedback and patience. It also marks completion on delivering all functional and messaging specifications for the CHESSE replacement system, a great line in the sand.
- Publication of an information paper setting out the [industry test strategy](#) on 30 June 2021. This includes providing a breakdown on the different test stages and industry test environments to help software providers and CHESSE users prepare for and resource their own testing plans.
- Customer Development Environment (CDE) updates, including completing the upgrade to CDE infrastructure to support longer running environments between resets.
- An overview of the rule amendment and public consultation timeline, where the next key milestone is release of the third tranche of operating rule amendments as well as a consolidated rules package across all the rule amendments for the new system in late August 2021, with a 15 week consultation period concluding in early December 2021.

Other things that have been keeping us busy include engaging with sponsoring participants to plan HIN data remediation. Work on CDE 10, the final CDE release which is now targeted for end August / early September 2021, is also full steam ahead, and once delivered will mark the significant milestone of all code delivered to the market for testing. The project remains on track to open ITE1 in November 2021, and to go-live with the replacement system in April 2023.

I hope you find these newsletters useful, but if you have any feedback or enquires related to the CHESSE Replacement project, please continue to direct them to CHESSEReplacement@asx.com.au.



Tim Hogben

Group Executive
Equity Post Trade and CHESSE Replacement

A decorative graphic consisting of a dark blue arrow pointing to the right, which transitions into a light blue arrow pointing to the right.

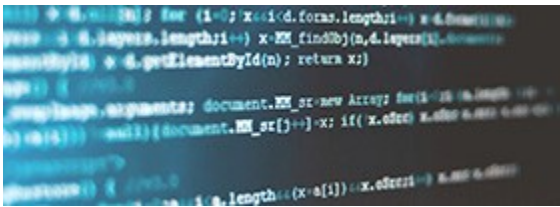
Engagement Activities



Documentation Spotlight

This section provides a spotlight on the information presented in the ASX CHES Replacement documentation portal. This month highlights recently updated sections of our documentation portal including some new sections, plus the Industry Test Strategy.

[Read more >](#)



Customer Development Environment Updates

Our tenth code drop (CDE 9.5) was released on 19 April 2021 and work continues on the remaining system development. ASX expect to publish our next and final functional release of CDE at the end of August/early September 2021.

[Read more >](#)



Customer Frequently Asked Questions

We have established the CHES Replacement mailbox and CSP Support mailbox as a means of addressing any project related questions. We have highlighted new questions that may be of interest.



Implementation & Transition Working Group

ASX hosted the most recent implementation & transition working group (I&T WG) on 30 June 2021, which focused on stepping members through each section of an information paper that set out the industry testing strategy.

[Read more >](#)



Rule Amendment & Public Consultation Timeline

ASX has published an updated rule development timeline capturing the key dates for the regulatory and public consultation processes across the three tranches of rule amendments for Day 1 of the new system.

[Read more >](#)

[Read more >](#)

Technical Documentation



[What's new](#)



[Release notes](#)



[Forward release plan](#)

Where to next?



[Upcoming activities](#)



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Documentation Spotlight



Documentation Spotlight

This section provides a spotlight on the information presented in the ASX CHES Replacement documentation portal.

This month highlights recently updated sections of our documentation portal including some new sections, plus the Industry Test Strategy. We have also provided a list of other recent documentation publications since our last newsletter.

CHES Replacement Documentation Portal Changes

In June ASX took the opportunity to update the overall structure of our published documentation. These new chapters have been added to our documentation portal [home page](#):

- Renaming of the Environments section **Implementation Phases**, which now incorporates previously published content from:
 - Environments;
 - Testing; and
 - Technical Accreditation
- Addition of the new Industry Test Plan section
- Relocated all previous CDE development and testing content - test data, test tooling, support, constraints
- Relocated previously published ITE testing content - which will be further built out in coming months.

- Renaming of the Testing section **Cutover and Migration**, which now incorporates previously published content from:
 - Cutover and Migration, including inflight transactions, Registration Details tool.



Implementation Phases



Cutover & Migration

There are no changes to the content or structure of existing functional or messaging specifications with this portal restructure. Previously published pages that duplicate content from the Industry Test Strategy will be archived.

All other pages, including any existing bookmarks to these pages will remain valid and still work.

Industry Test Strategy

The purpose of the industry test strategy is to inform all external stakeholders, but primarily software providers and CHES users, i.e. those parties who need to perform testing readiness activities, on the approach to the different test stages and test environments and provide an overview on what they need to do at each stage including what testing needs to be evidenced to be successful and progress onto the next stage.

The Industry Test Strategy is broken down into seven key sections. This includes an introduction on the industry test strategy, an overview including a high level timeline, separate sections on software provider and CHES user readiness, a section on the various test environments, a

release plan for when ASX will make further information available, and a quick reference guide on the key points relating to industry test phases and environments.

- Firstly, software providers are required to be involved across a number of test phases. This is referred to as the **Software Provider Readiness** Industry Test stage. The stage comprises of the system testing phase and accreditation. These test phases are to be performed in industry test environment 1, or ITE1.
- The second stage of industry testing includes test phases involving CHES users. This is referred to as the **CHES User Readiness** industry test stage. This stage comprises of CHES user testing, operational readiness and industry wide testing. These phases are performed in industry test environment 2, or ITE2.
- In addition to the above two phases, an additional phase of testing, **Inflight Migration Testing**, will be available to both software providers and CHES users. Inflight migration testing will be performed in a dedicated industry test environment for migration, ITE-M. This phase of testing will support testing functional workflows that are inflight at the point of cutover.

Details of the Industry Test Strategy were walked through at the recent Implementation & Transition working group. A copy of the presentation, webinar recording and Q&A can be found [here](#).

Additional published documentation

The following additional information was also published since our last newsletter in June 2021:

- [What's New - 7 July](#) - updates including:
 - Updates to the Netted Obligation Report (NNDP) functional specification to clarify the End of Netted Obligation Reporting Notification (Event Notification, sett_170) associated to this workflow
 - General documentation updates including an update to the CDE Self-Service Bulk Account Creation sample templates to include an RGID entry.
- [June 2021 Documentation Release Notes](#) - updates including:
 - Updated functional specifications and messaging requirements (including message 10 collection) for netting and settlement, in line with the published response to consultation feedback
 - New documentation on the industry test strategy, as mentioned above
 - Changes to the forward release plan – to reflect that CDE 10 has been combined with CDE 11 and will be made available at the end of August/early September 2021
 - Other minor documentation updates.

Further information

Other topics relating to CHES Replacement documentation can be found at the following links:

- [Documentation Portal - home page](#)
- [ASX Operational Procedures & Guidelines](#)
- [Documentation Release Notes](#)
- [Documentation What's New updates](#)
- [Documentation FAQs](#)

A list of upcoming project activities can be read [here](#).

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Implementation & Transition Working Group



Implementation & Transition Working Group

I&T WG - 30 June 2021

ASX hosted the most recent implementation & transition working group (I&T WG) on 30 June, which focused on stepping members through each section of an information paper that set out the **industry testing strategy**.

This included an overview on the different industry test stages, test environments including a dedicated environment for testing migration (ITEM), and timeline.

Further details were provided on software provider readiness including details on how to test the performance of their interfaces with the CHES replacement system, and how system testing, inflight migration testing and technical accreditation will be run.

Similarly, further details were provided on CHES user readiness including how operational readiness will be conducted and how industry wide testing will be run, providing the opportunity to perform a 'day in the life' of activities for their business workflows.

A forward release plan was also provided for when ASX will publish additional information to supplement the industry testing strategy, including a high level description on the purpose of each document.

Members were also provided with an update on recent project milestones.

The recording for the 30 June webinar, presentation materials and Q&A can be found [here](#).

Coming up

The next implementation & transition working group will be held on **28 July** and include an update on access pricing for service providers. Calendar invitations will follow accordingly.

Materials from previous I&T Working Group meetings can be accessed via the CHES Replacement [Stakeholder Engagement website](#).

REMINDER: For your consideration in planning your implementation

For your consideration in any CHES changes:

- If you are planning any migrations or other significant changes to your current CHES configuration please contact the Customer Readiness team at participant.transitions@asx.com.au.

A list of upcoming project activities can be read [here](#).

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Customer Development Environment Updates



Customer Development Environment Updates

ASX's customer development environment (CDE) follows the development cycle of the CHES Replacement project. Functionality, security features and test capabilities will be progressively added to the environment during the life of the project in iterative cycles. Details and objectives of CDE and how to access are provided in our technical documentation portal [here](#).

Our tenth code drop (CDE 9.5) was released on 19 April and work continues on the remaining system development.

ASX expect to provide our next release by the end of **August/early September 2021**, this will be a final release of software known as CDE 10 which includes the functional code for the netting and settlement changes and combined with DRP/BSP functionality and enquiry workflows that was previously scheduled for CDE 11 at the end of September 2021. This completes the full functional payload for day 1 go-live.

CDE - Release 9.5

ASX published the last application code release into CDE on 19 **April 2021** (CDE 9.5), release notes are [here](#).

This release provided functionality relating to mFunds, including the ability to submit mFund Application and Redemption order requests enabling the purchase (application) or sale (redemption) of mFund units held on a participant controlled Account (HIN) in the CSP as well as the facilitation of the cash settlement of the mFund units applied.

To accompany the release, ASX have also delivered two new auto-responder client test tools to support applications and redemption workflow, details of which can be found [here](#).

In addition to mFunds this release also included two new reports;

- [Holding Net Movement \(HMVT\)](#) (without Guaranteed Foreign Indicator); and
- [Cum Entitlement Net Movement \(CEMV\)](#).

CDE environment

ASX have also completed an infrastructure upgrade to improve users' experience with development and testing activities which provides the ability for longer running environments, and will require fewer CDE resets. ASX may choose to refresh environments on a periodic basis, where a refresh is required ASX will provide 5 days advance notice. There are currently no planned refreshes until the release of CDE 10 (End August/early September 2021).

CDE - Coming next

ASX are planning a final CDE release at the end of **August/early September 2021** this will contain all remaining functional features including;

- netting and settlement changes
- DRP/BSP elections
- remaining demand reporting
- known issues and defects.

The CDE [Forward Release Plan](#) has been updated to align to this.

CDE reminders:

The CDE supports early access development and low volume transaction and functional testing, following iterative development of the technical solutions.

- We have published for users details of CDE [constraints](#) and any [known limitations](#).
- Details of how to [request access](#) to the CDE are available in our Technical Documentation portal.

A list of upcoming project activities can be read [here](#).

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Rule Amendment & Public Consultation Timeline



Rule Amendment & Public Consultation Timeline

Market Consultation

ASX needs to make rule amendments to facilitate the implementation of the new system that will replace CHES. These rule amendments are being progressed through three tranches.

The consultation rounds on the first and second tranches of draft rule amendments to support the new system have now been completed. A further final round of consultation incorporating both the third tranche of draft rule amendments to support the new system and a consolidated rules package across the three tranches will commence in August 2021.

The [rule development timeline](#) captures the key dates for the regulatory and public consultation processes across the three tranches of rule amendments for Day 1 of the new system. It also covers rule amendments addressing new business requirements generated through industry consultation for CHES Replacement but which are not dependant on the new system and which have now been delivered through ASX business as usual (BAU) processes or the Corporate Actions STP Phase 2 Project. The timeline shows both completed and upcoming processes.

Public Consultation on Tranche 1

The **first** tranche of operating rule amendments was released for [public consultation](#) on 15 November 2019, with the period for feedback closing on 17 January 2020. The content related to accounts, participants, securities and pre-settlement aspects for Day 1 CHES replacement system functionality.

ASX received a total of 12 submissions from a range of stakeholders including participants, registries, industry bodies and vendors.

On 22 May 2020, ASX released its [response to consultation feedback](#) received on the tranche 1 draft rule amendments. The response to consultation feedback contains:

- a summary of the feedback received in stakeholder submissions;
- ASX's response to such feedback; and
- the draft rule changes made to the ASX Settlement Operating Rules and Procedures and ASX Clear Operating Rules and Procedures, which take into account feedback received.

Public Consultation on Tranche 2

The **second** tranche of operating rule amendments was released for [public consultation](#) on 21 February 2020, with the period for feedback closing on 29 May 2020 (extended from 3 April). The content related to corporate actions, mFund and RTGS payment aspects for Day 1 CHES replacement system functionality. RTGS supports payments for corporate actions involving entitlement acceptances as well as payments for bilateral demand settlement instructions (addressed in tranche 1 rule amendments).

ASX received a total of 11 submissions from a range of stakeholders including participants, registries, payment providers, an industry body and an approved listing market operator.

On 24 September 2020, ASX released its [response to consultation feedback](#) received on the tranche 2 draft rule amendments. The response to consultation feedback contains:

- a summary of the feedback received in stakeholder submissions;
- ASX's response to such feedback; and
- the draft rule changes made to the ASX Settlement Operating Rules and Procedures, which take into account feedback received.

Public Consultation on Tranche 3 and consolidated rules package

On 28 October 2020, as part of its [response to consultation feedback](#) on the CHES Replacement Revised Implementation Timetable, ASX announced an amended timeline for a further and final round of consultation on the rule amendments for the new system, accommodating changes connected with the redesign of the NBO process. Amendments to the timeline were also announced in the Implementation and Transition webinar on 3 June 2021 to accommodate changes to netting and settlement workflows consulted on in 2021.

Consultation on the **third** tranche of operating rule amendments as well as a **consolidated rules package** across all the rule amendments for the new system will commence in late August 2021, with a 15 week consultation period concluding in early December 2021. ASX will provide its response to consultation in early June 2022, ahead of formal lodgement of the combined rules package with ASIC in early September 2022.

ASX also announced changes to release 1.1 functionality on 28 October 2020 (with some functionality to now be delivered as part of Day 1 go-live and other features to be part of a future release (the timing for which is yet to be determined)). As a result, the rules supporting:

- Electronic DRP and BSP elections, DRP and BSP enquiry and non-batch DvP bilateral settlement are to be retained in the rules package to be consulted on in August 2021. It is proposed that these rules will become effective at the time of Day 1 go-live of the new system, in the same way as for other functionality being delivered on Day 1
- Electronic acceptance and payment for entitlement offers are to be removed from the rules package and revised timing for these rules will be considered following Day 1.

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Corporate Actions STP

Corporate Actions Straight Through Processing (STP) Phase 2 project

The STP project team has successfully delivered the third and final release for the project on 5 June 2021.

The release included:

- The availability of one additional ISO 20022 corporate action event, OTHR - typically used for Reinvestment Offers. This event will be supported by CHES Replacement. The ISO 20022 corporate action notification service now provides full coverage of all ASX supported events. The notification service is available via SWIFT or FTP for subscribers. The same notifications will be consumed by CHES Replacement.
- A number of enhancements to existing online forms (and equivalent word forms) used by issuers to announce certain corporate action events.
- The introduction of 4 new online forms (and equivalent word forms) for use by issuers, with a focus on announcements of capital issues or changes -
 - Appendix 2A - Application for quotation of securities;
 - Appendix 3G - Notification of issue, conversion or payment up of unquoted equity securities;
 - Appendix 3H - Notification of cessation of securities; and
 - Appendix 3C - Notification of buy-back, a single form with workflow replacing the existing 4 word form Appendices - 3C, 3D, 3E, 3F.
- Additional event information is now straight through processed in real time from the issuer announcement through to the ISO 20022 real time corporate actions notification service and other ASX reference products; including bonus, non-renounceable, renounceable, accelerated offers, security purchase plan, and on-market buy-back events.

A number of the enhancements included in the release are tied to associated ASX Listing Rule and Appendix changes that also came into effect on 5 June.

More information on the project and the ISO 20022 notification service is available on the ASX website [here](#).

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Customer Frequently Asked Questions



Customer Frequently Asked Questions

We have established the CHES Replacement mailbox and CSP Support mailbox as a means of addressing any project related or functional questions. We have highlighted below the most recent questions of interest.

Functionality & Specifications

▼ [With regards to mFunds, can we still send both an application request message \(mfnd_401\) and investor data details message \(acct_012\) at the same time, or do we have to wait for the mfnd_401 message response before we send the acct_012 message?](#)

If the participant was to send an application request (mfnd_401) and investor details (acct_012) together we cannot guarantee in which order they will be processed by the CSP. Should the investor details (acct_012) be processed before the application request (mfnd_401), then the investor details (acct_012) will be rejected by the system.

To guarantee that valid investor details (acct_012) related to an initial application are accepted by the CSP, it is advisable to transmit the investor details (acct_012) message once the application request (mfnd_401) has been transmitted and the CSP has acknowledged the receipt of it.

[mFund specifications](#) are provided in ASX's documentation portal.

▼ [If a Novated Rescheduled Instruction \(NRI\) is consistently failing, why would a buyer request a 'PARTIAL' isolation quantity. Could you please provide the business rationale to this functionality?](#)

It's always the buyer (receiving broker) who would submit an Isolate Request for the number of units it wants to Isolate (it may not be for the full value of the Novated Rescheduled Instruction (NRI) because there may be more than one client buying but only one client is seeking to Isolate).

Once isolated, the participant on the other side failing to deliver is identified and a link is established. The original NRI is marked down by the value of the isolation and the will be available for further isolation. The resulting Isolated NRI is no longer available for further isolation. An NRI is available to be isolated until its completely isolated or delivered and if it keeps on failing it may be in the buyer's interest to isolate to discover who the sellers are that are failing to deliver.

You can read more details [here](#) in ASX's documentation portal.

▼ [Can you please confirm the process for a Deceased Estate in relation to a Joint Holder, when unsafe-only unsafe-one Holder is deceased and there is a surviving Holder involved?](#)

From a Rule perspective it is not mandatory for the Participant to lock a Deceased Joint account, if there is a surviving Holder. The Controlling Participant must, within 1 business day, establish a new Account (HIN) in the surviving Holder's name. The Participant transfers the relevant holdings to the new one surviving holder account (HIN). The Participant can then cancel the old, deceased Joint Holders account (HIN) once all Holdings have been transferred out.

You can read more details are provided [here](#) in ASX's documentation portal.

▼ [If a Participant wishes to update and change a number of combinations of Holder details \(ie: add middle name, change salutation and change surname\) can these updates all be made within unsafe-one single account modification request?](#)

Participants can modify multiple attributes of a Holder Name and associated details within a single Account Modification Request.

You can read more details [here](#) in ASX's documentation portal.

▼ [Is it correct that for a scenario where an account with a single holder has initiated a holder lock for bankruptcy that, when the response is received, that the account status and holder status are BOTH "Locked"?](#)

The scenario is correct. The response received will show BOTH account status and holder status as 'Locked'.

You can read more details [here](#) in ASX's documentation portal.

▼ [Where are details on how the Account locking and unlocking process will work?](#)

The functional process and specification for [Account and Holder Locking and Unlocking](#) are published in our Technical Documentation portal.

Plus we have some additional information here - [FAQs - Account Locking & Unlocking](#).

▼ [Is there a simple guide how the old EIS message formats map to the new ISO standards?](#)

As part of our ISO 20022 Messaging technical specifications that have been published, ASX has provided a useful cross reference page to help users relate from EIS to the new standard.

Please see the following page - [ISO 20022 Messaging - TM - EIS to ISO 20022 Cross Reference Guide](#).

▼ [Connectivity - ISO message signing](#)

▼ [Which access channels require ISO message signing?](#)

Customers wishing to access the CHES Replacement system via AMQP will be required to use ISO message signing for production. During the CDE development phase customers can opt-in to use ISO message signing.

Further details can be found in the Technical Documentation Connectivity - [Message Connectivity](#) pages.

▼ [When will ISO message signing be available?](#)

ISO message signing will be available from CDE 6 (from Tuesday 3 March 2020) and customers can 'opt in' to use it within CDE. [Release notes](#) will be published to accompany CDE 6. To opt-in to ISO Messaging signing in CDE, [click here](#) to send an email to the ASX CTS team.

Connectivity

▼ [Do software vendors, and CHES Users more broadly, need to have CHES Browser connectivity?](#)

CHES Users don't need to have access via the new CHES Browser; it is an optional connectivity channel that replaces CHES PC software.

Product Issuer Settlement Participants (PISPs) are heavy users of CHES PC and ASX anticipates this cohort to use the browser. Another potential cohort is an organisation that wants to use the browser as a supplementary connectivity channel for low volume corner cases.

▼ [When will ASX publish documentation on the ASX Customer Identity Access Management system?](#)

All access channels will be authenticated by ASX, for AMQP users this will be via ISO 20022 message signing and for Ledger API users via Token Authentication. ASX will provide details of Token Authentication in the June publication to the Technical Documentation portal.

▼ [Ledger API - click for details](#)

▼ [What is a DAML Party?](#)

CHES Users are represented as a DAML party in the system. A party is identified in the system by its unique DAML Party Identifier. To connect to the CSP via the Ledger API, CHES Users undergo a formal on-boarding process which grants them one or more DAML Party Identifier(s) and permits them to access a master ingress contract.

For further details on Ledger API connectivity refer to the [CHES Replacement Technical Documentation - Connectivity](#).

▼ [What is a Master Ingress Contract?](#)

The master ingress contract is a non-consuming DAML contract that allows CHES Users to issue a command to the CSP to start the associated workflow.

Each DAML party in the system is permissioned to execute specific commands and business workflows as set out in the party's master ingress contract. Each command, is a combination of choice with a parameter, which when exercised, sends an instruction to the CSP. A party can initiate a workflow by exercising a choice on the master ingress contract, which triggers a piece of code, representing a workflow, and results in one or more contracts being created or archived on the ledger.

For further information refer to [Identify the Master Ingress Contract](#).

For further details on Ledger API connectivity refer to the [CHES Replacement Technical Documentation - Connectivity](#).

▼ [How do I view exercised events committed to the Ledger?](#)

When developing a Ledger API client application, events can be viewed using the `getTransactionClient.getTransactionsTrees()` method.

This will produce not just the committed event but the entire transaction in a tree structure. The Transaction Tree structure contains exercised choices, contracts created, and scenarios run among other events. For further information and a full description of all the attributes visible on a transaction tree, refer to the [DAML SDK](#).

For further details on Ledger API connectivity refer to the [CHES Replacement Technical Documentation - Connectivity](#).

Implementation & Transition

▼ [Is a software vendor developing a solution to support CHES Replacement required to undergo separate Technical Accreditation tests for each clearing and settlement participant client?](#)

A software vendor only needs to accredit software once, so long as the same version of software is used by multiple clients.

Details on [Technical Accreditation](#) can be found in our Technical Documentation portal.

▼ [Will message content be verified by ASX as part of technical accreditation or will this form part of operational readiness?](#)

Yes, message content will be verified as a part of the messaging component of the Technical Accreditation activity.

Details on [Messaging Accreditation](#) can be found in our Technical Documentation portal.

▼ [When will test packs and test scripts be available?](#)

The first release of message test scenarios for technical accreditation was made available from April 2020. The first release will be on Account Management. Additional [message test scenarios](#) will be progressively released in tranches.

Details on [Messaging Accreditation](#) can be found in our Technical Documentation portal.

▼ [Further Implementation & Transition questions - click for details](#)

Questions relating to the approach to transition, cutover and accreditation will be published in our Technical Documentation portal under [Frequently Asked Questions](#). We will continue to highlight any common questions in our regular newsletter.

Many other questions about CHES Replacement can be found at the following links:

- [General CHES Replacement questions](#)
- [Technical Documentation FAQs](#)

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Upcoming Activities



Upcoming Activities

Date	Activity
28 July 2021	Implementation & Transition Working Group
End July 2021	Publication of ITE1 connectivity guide
End August 2021	Consultation on the tranche 3 rule amendments commences (for 15 weeks consultation period)
End August/early September 2021	CDE 10 - to include netting and settlement changes, plus remaining Corporate Action functionality
Q3 2021	Announcement on pricing for Day 1 clearing & settlement services
Q3 2021	Pricing model published for electronic CHES holding statements
Oct 2021	Target go-live for electronic CHES holding statements
End November 2021	Publication of Accreditation Guide
End November 2021	ITE1 open and system testing commences

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Useful weblinks



Useful weblinks

ASX CHES Replacement website	https://www2.asx.com.au/markets/clearing-and-settlement-services/chess-replacement
ASX CHES Replacement communications (including past newsletters)	https://www2.asx.com.au/markets/clearing-and-settlement-services/chess-replacement/chess-replacement-resources/stakeholder-communications
ASX CHES Replacement resources	https://www2.asx.com.au/markets/clearing-and-settlement-services/chess-replacement/chess-replacement-resources
ASX CHES Replacement engagement forums	https://www2.asx.com.au/markets/clearing-and-settlement-services/chess-replacement/stakeholder-engagement/engagement-forums
CHES Replacement: Confirmed changes to netting and settlement workflow - Response to consultation feedback	https://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/chess-replacement-response-to-consultation-feedback-confirmed-changes-to-netting-and-settlement-workflow.pdf
Industry Test Strategy Information paper	https://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/chess-replacement-industry-test-strategy.pdf
Consultation Paper on the proposed changes to netting and settlement workflow	https://www2.asx.com.au/content/dam/asx/participants/clearing-and-settlement/chess-replacement/stakeholder-communications/asx-chess-replacement-project-consultation-paper-proposed-changes-to-netting-and-settlement-workflow.pdf
Information Paper on data governance for CHES and CHES replacement system	https://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/information-paper-asx-data-governance-under-chess-and-chess-replacement.pdf
Consultation Paper on the proposed Listing Rule Changes: online forms, notification of security issues and corporate action timetables	https://www2.asx.com.au/content/dam/asx/about/regulations/public-consultations/2020/2020-stp-consultation-paper.pdf
Consultation Paper on the CHES Replacement Revised Implementation Timetable	http://www2.asx.com.au/content/dam/asx/markets/clearing-and-settlement-services/chess-replacement-consultation-paper-revised-implementation-timetable.pdf
ASX response to consultation feedback: CHES Replacement Confirmed Implementation Timetable	http://www2.asx.com.au/content/dam/asx/documents/unlinked-docs/chess-replacement-project-response-to-consultation-revised-implementation-timeline.pdf
CHES Replacement - Tranche 2 Rule Amendments	Consultation Paper - February 2020
	Response to Tranche 2 Rule Amendments Consultation Paper - Sept 2020
CHES Replacement - Tranche 1 Rule Amendments	Consultation Paper - November 2019
	Response to Tranche 1 Rule Amendments Consultation Paper - May 2020
ASX CHES Replacement System Access Pricing	Pricing Letter - September 2019
Toronto Centre Podcast: Introducing the Newest Technology to Capital Markets: The Industry's Perspective	Podcast - July 2019

ASX Technical Documentation: <https://asxchessreplacement.atlassian.net/wiki/spaces/CSP/overview>

CHES Replacement fact sheets:

[Fact sheet - for Participants](#)

[Fact sheet - for Issuers](#)

[Fact sheet - for Payment Providers](#)

Digital Asset – DAML
(including requesting the SDK):

<https://daml.com/>

ASX Response to consultation feedback:

<https://www.asx.com.au/documents/public-consultations/response-to-chess-replacement-consultation-feedback.pdf>

ASX 2018 Consultation Paper:

<https://www.asx.com.au/documents/public-consultations/chess-replacement-new-scope-and-implementation-plan.pdf>

Recent ASX Webinars:

<https://www.asx.com.au/services/webinar-archive.htm>

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