

CHESS PROJECT RELEASE 1 BUILD AND TEST FORUM

ASX

13 November 2025



Acknowledging Country

ASX acknowledges the Traditional Owners of Country throughout Australia. We pay our respects to Elders past and present.

Artwork by Lee Ann Hall
My Country My People



Housekeeping

Troubleshooting

- Please mute yourself when not speaking
- Please use the 'raise hand' feature on MS Teams if you would like to ask a question
- Please introduce yourself when talking for the benefit of all members
- Meeting is being recorded for the purposes of capturing decisions and actions
- Dial in details (audio only):
 - +61 2 7208 4607
 - Phone Conference ID: 685 273 161#
- Presentation materials were distributed before the meeting and will be published on the website.

Important Information

Competition Law Reminder

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

Agenda

01 IDR1 AMO Acceptance Forums

02 Open Actions & Feedback

03 AMO Readiness & ITE Activity Update

04 Parallel Test Update

05 Forward Engagement for 2025

01 IDR1 AMO Acceptance Forums

PLACEHOLDER - Details to be shared in the meeting

02

Open Actions & Feedback

02 - Open Actions

Actions as 12 November 2025

#	Topic	Action	Raised	Due	Owner	Status
R1BT_8	Monday Rollback Test	ASX to work with AMOs to test Monday rollback post cutover	11 Sep 2025	Dec 2025	ASX	Open
R1BT_9	Logout 5 Message Frequency	ASX to communicate changes to Logout 5 frequency	16 Oct 2025	Nov 2025	ASX	Included in Nov R1B&T – propose to close
R1BT_10	To-Be Production Connectivity Timeline	ASX to update Amber at risk date for to-be production AMO connectivity from 24 Oct to 31 Oct 2025	16 Oct 2025	Oct 2025	ASX	Date changed - propose to close
R1BT_11	AMO run sheet steps for Cutover	AMOs to provide run sheet steps for Release 1 Cutover	16 Oct 2025	13 Nov 2025	AMOs	Open

03

AMO Readiness & ITE Activity Update

03 - Industry Readiness Dashboard - AMOs

As at 12 November 2025

AMO Operational Readiness:

- 1 AMO has completed all elements of Operational Readiness assessment
- 2 AMOs completed all Operational Readiness scenarios with submission of scenario evidence worksheet outstanding to evidence their assessments
- 1 AMO in the final stages of completing their last scenario(s)
 - Although not all Operational Readiness scenarios are fully completed, remediation plans are in progress with the impacted AMO. The risk to upcoming milestones is mitigated as outstanding scenarios are low volume resiliency scenarios that impacted AMO does not expect to regularly use but has recently accredited in their AMO software. AMO has successfully demonstrated Operational Readiness for all other scenarios.

IDRs: All AMOs completed all To-Be-Prod connectivity testing including FIX Logon.

Clearing Regression: AMOs supporting Clearing Regression have enabled Customer Test Environments for participant testing.

		Milestone			
Org ID	Type	Engagement	AMO Operational Readiness	IDRs	Clearing Regression
1	AMO				
2	AMO		In Remediation		
3	AMO		In Remediation		
4	AMO		In Remediation		

Note: AMOs not supporting Clearing Regression are reported as On Track to enable anonymised reporting

Open AMO Readiness measures – November

AMO Readiness Metric	Impacted Milestone	Measure	On Track (Start measuring)	At Risk (if not completed)	Requires Remediation (if not completed)	Status
AMO or Software Provider Readiness Self Assessment	Overall timeline	AMO or Software Provider to indicate how they are tracking	AMO or Software Provider to indicate status as part of bilaterals			
Operational Readiness Completion	Operational Readiness	Successful completion of Operational Readiness	1 Sep 25	15 Oct 25	31 Oct 25	Outstanding
To-Be-Prod AMO connectivity	IDRs	Connected to To-Be-Prod by specified dates	1 Sep 25	31 Oct 25	7 Nov 25	Complete

03 - ITE Known Issues – Resolved and Closed

Known Issues resolved and/or closed as part of Clearing Regression Patch 1

Ref ID	Issue Summary	Impacting
CHR-24705	Logout (5) not always received when session terminated due to AMO HeartBtInt (108) value over 60 seconds	AMOs
CHR-26339	Trade Cancel (AR) incorrectly sent to Comp ID associated with Primary Endpoint when trade initiated in Primary Endpoint and cancelled via Auxiliary Endpoint	AMOs
CHR-26563	Transaction time incorrectly updated to previous business day when pending trade reprocessed multiple times resulting in incorrect rejection of trade	AMOs
CHR-26837	Invalid trade price in (AR) rejection copied from (AE) instead of populated with 0.0 to identify invalid	AMOs
CHR-26953	AFII extended ASCII rejection without generating (AR)	AMOs
CHR-26656	Reference data updates for Company Option Exercise failing to be automatically processed	Clearing Participants
CHR-26940	Trade condition code 'A3' is not being enriched for trades from SSX AMO and is therefore not included in EIS164 messages	Clearing Participants
CHR-26955	Security reference data updates triggering Netting job to occur for that security at EOD instead of next BOD	Clearing Participants

Known Issues rejected and/or closed as part of Clearing Regression Patch 1

Ref ID	Issue Summary	Outcome	Impacting
CHR-22924	AFII + FIX GW: Proposed reject text not accurately updated on all (AR) rejection types	Defect remained open due to comparison against previous version of AMO User Technical Documentation – Retested and confirmed to align with version 1.5	AMOs

03 - ITE Known Issues – New (Clearing Regression)

Ref ID	Summary	Details	Impact	Work Around or Mitigation	Impacting	Target Fix Date
CHR-30691	Duplicate (AR)s generated (with the first being false) during Pod incident and restart	Identified in ITE during unhealthy Pod incident: (AR) incorrectly generated when unhealthy Pod sending (AE)'s to internal error queue. When error queue reprocessed following restart a second correct (AR) is generated as the (AE) is processed	AMO will receive duplicate (AR) messages for (AE)'s transmitted during an unhealthy Pod incident, with the first having an incorrect status as the (AE) has not yet been processed	No workaround available	AMOs	Clearing Regression Patch 2 – targeting TBC
CHR-31372	Qty (Tag32) value getting padded out with extra decimal value zeros exceeding specified character length during ASX actions in the UI	Trade cancellations and reprocessing of pending trades by CHES Operations staff causing Tag 32 to get padded out with extra zeros exceeding specified character length	Trade capture message will trigger an error and will be unable to be processed/reprocessed	Manual Intervention by ASX CHES technical staff to update/resubmit (AE)	AMOs	Clearing Regression Patch 2 – targeting TBC

03 - ITE Known Issues – Carried Over (1 of 2)

Ref ID	Summary	Details	Impact	Work Around or Mitigation	Impacting	Target Fix Date
CHR-22126	AFII + FIX GW: (AR) & (AU) reject messages not generated when certain high-order ASCII characters are included in various fields	Negative Test Scenario: An (AE) or (W) received with high-order ASCII characters in various fields where these characters are otherwise invalid e.g. Symbol and CorporateAction	AMO will not receive an (AR) or (AU)	AMO software not expected to send non-conformant field values in (AE) and (W) messages. If non-conformant (AE) messages are sent with the high-order ASCII characters, AMOs need to contact CHES Project Customer Technical Support to verify trade status	AMOs	Clearing Regression Patch 2 – targeting TBC
CHR-24704	Logout (5) not received when AMO sends Logon with an incorrect SenderCompID	Negative Test Scenario: Logout (5) message should be generated when non conformant Logon message is received confirming no session is established, but message is not being received	AMO will receive no response to their Logon (A) message to identify if a session is established or rejected	AMO software should not transmit non conformant Logon (A) messages. AMO to send a conformant Logon (A) message if no response to previous Logon (A) to establish a FIX session was received	AMOs	Clearing Regression Patch 2 – targeting TBC

03 - ITE Known Issues – Carried Over (2 of 2)

Ref ID	Summary	Details	Impact	Work Around or Mitigation	Impacting	Target Fix Date
CHR-26942	Incorrect error message and pending trade behaviour when Trade Date is not a valid date	Negative test scenario: When Trade Date is invalid, trade should be pended with error message [3513] Pending - Trade Date is not valid Clearing Service Business Date however trade is rejected with Rejection error message	Trades with Trade Date on a non-business day are expected to trigger a pending status but are being rejected	AMO software should only transmit trades with valid business dates	AMOs	Clearing Regression Patch 2 – targeting TBC
CHR-26143	CP Trade Upload Test Tool: Amending auto populated dates/details in CP Trade Upload file may result in non-conformant outcomes	Negative test scenario: Auto populated data amendments may result in trades or trade files not being processed/processed correctly	Trades may not be accepted, and file processing may be interrupted if data in CP Trade Upload file not as expected. CPs will not receive EIS messages or CP Trade Upload file Acknowledgement file if trade not accepted/file processing not completed	CPs should follow the instructions in the Release Notes/CP Test Trade File Template and not amend auto-populated data or submit duplicate files	Clearing Participants	N/A – will remain open throughout Clearing Regression

03 - ITE Change Requests

ITE enhancements planned to be delivered in Clearing Regression Patch Releases:

Ref ID	Summary	AMO Impact	Planned Deployment
CRA-3358	<p>Duplicate (AE) message rejection (AR) responses to be updated to confirm Pending state - where applicable:</p> <ul style="list-style-type: none">• Duplicate trade exists with 'accepted' status, or• Duplicate trade exists with 'pending' status <p>Note: if original trade was pending and rejected, or rejected, the subsequent (AE) message will be assessed as a new trade as rejected trades are not included in duplicate assessments by the R1 Clearing Service</p>	<ul style="list-style-type: none">• Duplicate Rejected Error Message strings will be updated to reflect new rejected reasons identifying both states – updates to be included in next version of AMO User Technical Documentation• No impact to existing AMO accreditation status	Planned - Clearing Regression Patch 2
CRA-3517	<p>Logout (5) messages to not be sent when there is a Pod or Node failover so that this disconnection behaves the same as non ASX controlled disconnections / technical disruptions where FIX session heartbeats stop when the session is ungracefully terminated</p>	<ul style="list-style-type: none">• Volume of Logout (5) messages received by AMOs on an unsolicited basis will reduce (but will not be completely removed)• AMO Regression test of FIX session management scenarios to be completed after deployment. No impact to existing AMO accreditation status or AMO User Technical Documentation	Delivered - Clearing Regression Patch 1

03 – ToBeProd Known Issues – New (Parallel Test)

Ref ID	Summary	Details	Impact	Work Around or Mitigation	Impacting	Target Fix Date
CHR-31921	Reconciliation Tool: AsAt Trades undergoing specific netting indicator reference data events will trigger a False Positive exception break	As a result of BOQ code of NA being enriched in the R1 Clearing Service database for AsAt Trades undergoing instrument netting eligibility updates, reconciliation report will trigger a false positive as the NA BOQ does not exist in the Current CHES database	AMO and Clearing Participant reconciliation reports will end up with false positive exception breaks being reported for trades that were submitted by an AMO on an AsAt basis if they have undergone an Instrument Netting Eligibility change	No workaround available – report recipients will need to ignore the false positives when identified	AMOs and CPs	TBC
CHR-32115	Reconciliation Tool: Deferred Settlement Trades are not captured in the R1 Clearing Service Reports resulting in False Positive exception breaks	Due to the timing on when Deferred Settlement Trades are transmitted from the R1 Clearing Service to the integrated settlement service (current CHES) deferred settlement trades are not identified in the R1 Clearing Service reconciliation reports	AMO and Clearing Participant reconciliation reports will end up with false positive exception breaks being reported for deferred settlement trades	No workaround available – report recipients will need to ignore the false positives when identified	AMOs and CPs	TBC

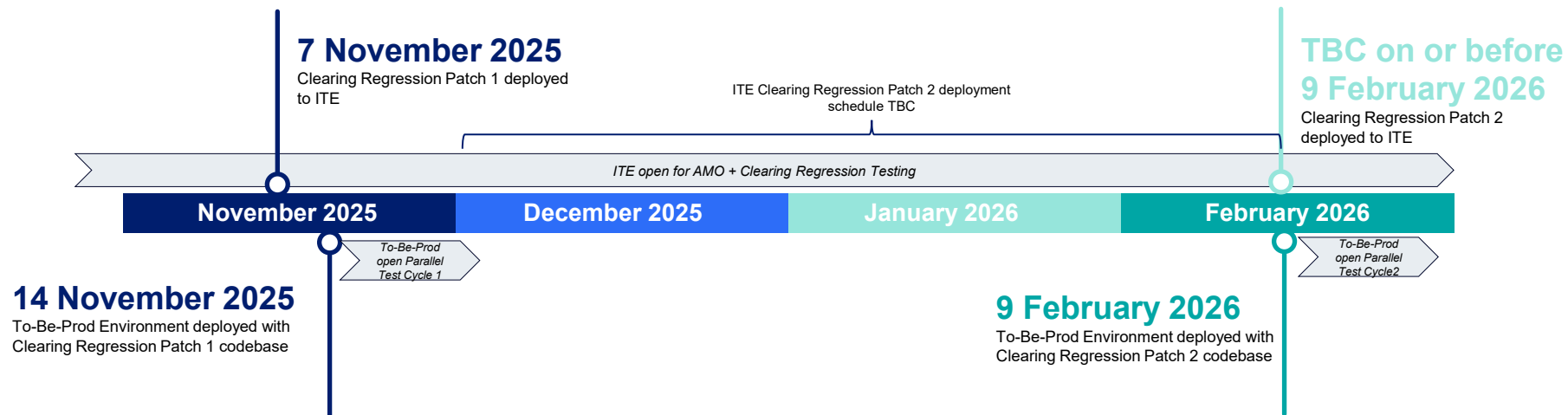
03 - Environment versions and patches

For noting

For discussion

For recommendation

To-Be-Production environment is scheduled to be on latest ITE codebase for each Parallel Test cycle



03 - AMO User Technical Document v1.5 Updates

Version 1.5 target publishing by COB 17 November 2025

Version 1.5 includes the below changes and additions. AMOs do not need to reaccredit AMO software as a result of v1.5 changes/updates.

Note: AMO regression test of FIX session scenarios required after implementation of Logout(5) change request - planned for Clearing Regression Patch 2

Section	Update
3.1.4	String Data Type: Description updated for ASCII changes
3.1.7	Note updated with need to set the ResetSeqNumFlag (141) = 'Y' for the first logon message
3.2.4.1	Note updated with need to set the ResetSeqNumFlag (141) = 'Y' for the first logon message Field 141 updated; Req (from O to C), Description, Valid Values description
3.2.4.2	Updated expected behaviour in case of disconnections
3.4.2.4	Application messages resent during a retransmission updated; TradeCaptureReport (AE) to TradeCaptureAck (AR) and ConfirmationAck (AU) to MarketDataSnapshotFullRefresh (W)
3.4.2.6	Field 1301; AXPL added to Valid Values
3.4.3.1	Field 552: Description corrected 452 to 552 Field 54; Description updated Field 452; Valid Values updated, sample removed from 45 – Secondary Account Number
3.4.3.2	PartyRole 45; PartyID updated with example
3.4.3.4	Field 272; MDEntryPx (270)>0 removed from Description
4.2	Outage operation guidance updated
4.4.3	Response file delimiter updated to 'LF byte sequence' Added receipt of TradeCaptureReportAck (AR) if pending trade triggered
4.4.3.1	Received Input' added to syntax and examples Generic schema rejection example added
4.4.4	Example ACK file extension updated from .zip to .Zip
5.1 (Appendix)	Added codes A1 – A3 to table

04 Parallel Test Update

04 - AMO Parallel Test

Parallel testing is an important phase in the rollout of the CHES Release 1 Clearing Service

The primary goal during this phase is to ensure accuracy and consistency of trade & price registration feeds between Release 1 Clearing Service and current CHES.

Reminders

- Parallel test Cycle 1 scheduled to commence from 17th November until the 28th November 2025
- Please refer to the *CHES Release 1 AMO Parallel Test Guide* for how this test phase will operate
- Release notes with known defects and FAQs planned to be published Friday 14th November
- Connectivity to the To-Be Production R1 Clearing Service is scheduled to commence from 7.10am – please ensure you have relevant tech support resources available should you encounter issues. ASX will have support SMEs available.
- Any issues encountered please contact ASX via CHESReplacement@asx.com.au

05 Forward Engagement for 2025

05 – Indicative Forward Engagement Calendar

	November 2025	December 2025
Technical Committee	5 November – In Person Session <ul style="list-style-type: none"> • CHES Project and Working Group updates • CHES Release 1 industry readiness • Proposed Monday Rollback Approach • Clearing Resiliency Arrangements Overview • Proposed Payment Channel 	3 December <ul style="list-style-type: none"> • CHES Project and Working Group updates • CHES Release 1 industry readiness • ASX Business Resiliency Exercise - Clearing • CHES Release 2 timeline checkpoint update • CHES Release 2 Drop 2 User Technical Documentation overview • 2026 Market engagement plan
Implementation & Transition Working Group	25 November <ul style="list-style-type: none"> • CHES Release 2 timeline checkpoint update 	16 December <ul style="list-style-type: none"> • CHES Release 2 timeline checkpoint update
CHES Release 1 Build & Test Forum	13 November <ul style="list-style-type: none"> • IDR1 AMO Acceptance Forums • ITE Activity Update • AMO parallel testing 	11 December <ul style="list-style-type: none"> • ITE Activity Update • AMO parallel testing • Implementation Dress Rehearsal update
Business Design Working Group	6 & 26 November <ul style="list-style-type: none"> • (6th) Accounts Migration Deep Dive • (26th) Release 2 Drop 4 Deep Dive (2 of 2) 	December <ul style="list-style-type: none"> • No December meeting
ISO Design Working Group	14 November <ul style="list-style-type: none"> • CHES Release 2 Drop 4 ISO messages and Schema 	9 December <ul style="list-style-type: none"> • CHES Release 2 Drop 4 ISO messages and Schema



Questions

Appendix

CHESS Release 1 Indicative Project Timeline – Oct 2025

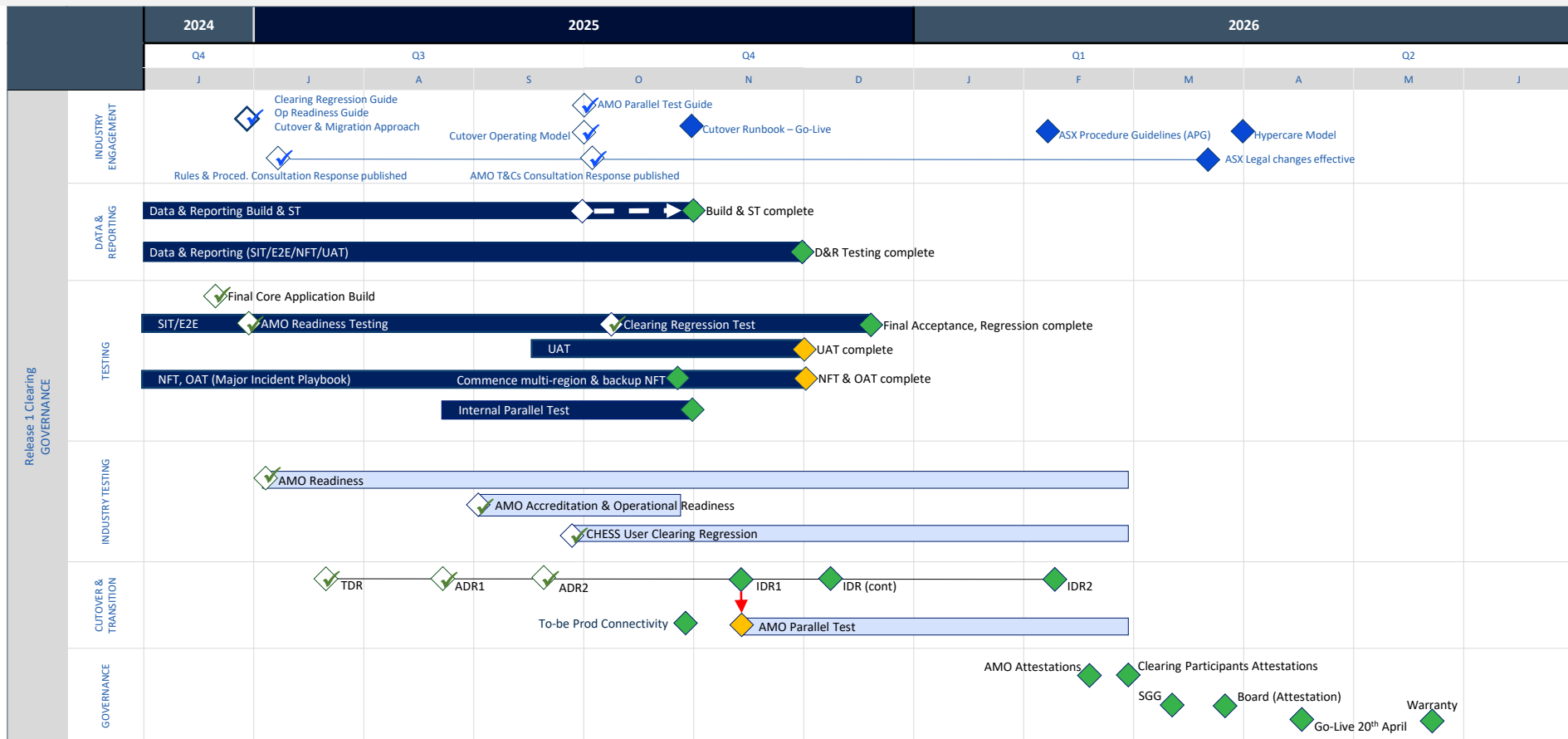
High level overview of the indicative timeline

Key

Industry

ASX / Vendor

Status



Upcoming Industry Test Phase Summary

All AMO Activity Required, Entry & Exit Criteria to be completed by AMOs or their Software Provider (where relevant), and dates are indicative and may be subject to change

	AMO Readiness	AMO Accreditation	AMO Operational Readiness	Clearing Regression	AMO Parallel Test
Planned Dates	Jul 2025 - Feb 2026	Sept – Early Nov 2025	Sept – Early Nov 2025	Oct 2025 – Feb 2026	Nov 2025 – Feb 2026
AMO Activity Required	Complete development of Drop 3 features, undertake testing, finalise software for accreditation (and ongoing testing to familiarise until Feb 2026)	Demonstrate software's ability to connect and interact with the CHES replacement system by completing specified accreditation scenarios	Demonstrate their organisation meets both the ASX's standards and operational requirements	AMOs revise participant IDs used in Trade Capture testing + support industry testing in their ITE integrated test environment	Reconcile current CHES production feed of trade registrations to CHES project feed on To-Be-Production infrastructure
Environment	R1 ITE	R1 ITE	R1 ITE	R1 ITE	R1 To-Be-Production
Entry Criteria	Completed build for features delivered in Drop 1 & 2 (ITE Open code base)	Successfully tested all AMO Accreditation scenarios and are ready to have AMO software assessed for formal Accreditation	Passed AMO Accreditation and have successfully tested all Operational Readiness scenarios.	Changes implemented to enable Clearing Participant testing in ITE, and processes required to support Clearing Participant testing in AMO ITE Integrated Test Environment communicated	Successfully completed AMO Operational Readiness assessment and ready to generate the FIX equivalent for Production trade registration and pricing data
Exit Criteria	Successfully tested all AMO Accreditation and are ready to have AMO software assessed for formal Accreditation	Demonstrated all AMO Accreditation scenarios have passed the success criteria	Demonstrated all Operational Readiness scenarios have passed the success criteria	AMO testing and Clearing Participant testing effectively coexisted enabling Clearing Participant attestations	Successful comparison of trade registration and pricing messages between current CHES and CHES project environments
Supporting Documentation	AMO User Technical Documentation	Release 1 AMO Accreditation Guide	Release 1 Guide to Operational Readiness Phase	Release 1 Guide to Operational Readiness Phase	Release 1 Guide to AMO Parallel Test
Supporting Documentation ETA	Feb 2025	Mar 2025	Jun 2025	Jun 2025	Sep 2025

Release 1 Engagement Activities: Proposed for 2025

Activities and Documentation to Support R1 Industry Readiness

Activity	Subject	Purpose	Planned Date	Status
Publish Documentation	Release 1 Clearing Regression Test Guide	Documentation detailing the minimum ASX-specified Clearing Regression test scenarios, key activities and expectations regarding conduct and expected results including entry and exit criteria	Q2 2025	Published 25 Jun 2025
Publish Documentation	Release 1 Cutover Approach	Documentation detailing the cutover and migration approach, key activities, responsibilities including all verifications and validations required by ASX and the market, and milestones across the cutover and dress rehearsal windows	Q2 2025	Published 26 Jun 2025
Publish Documentation	Release 1 AMO Readiness Release Notes	Release Notes for the AMO Readiness phase, including delivered functionality, FAQs and known issues in the environment	Q2 2025	Published 02 Jul 2025
Engagement Activity	AMO IDR & AMO Parallel Phase Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing the IDR & AMO Parallel Test phase	Q3 2025	Completed 29 Jul 2025
Publish Documentation	Release 1 Guide to AMO Parallel Test	Documentation providing detail on the AMO Parallel Test phase, key activities and expectations and expected results including entry and exit criteria	Q3 2025	Published 29 Sep 2025
Publish Documentation	R1 Cutover Operating Model	Documentation providing AMOs with key cutover tasks and milestones, with an outline of detailed steps including planned timing.	Q3 2025	Published 26 Sep 2025
Publish Documentation	R1 Cutover Runbook	The R1 Cutover Runbook will be used in dress rehearsals and refined as required ahead of the final go-live event. Note that the cutover runbook will also include the steps required to rollback	Q4 2025	Published 31 Oct 2025
Publish Documentation	Release 1 Clearing Regression Release Notes	Release Notes for the Clearing Regression phase, including delivered functionality, FAQs and known issues in the environment	Q4 2025	Published 7 Oct 2025
Publish Documentation	Release 1 AMO Implementation Dress Rehearsal Release Notes	Release Notes for the AMO IDR phase, including AMO Parallel Test, delivered functionality, FAQs and known issues in the environment	Q4 2025	Proposed for November 2025

Release 1 Engagement Activities: Completed

Activities and Documentation to Support R1 Industry Readiness

Activity	Subject	Purpose	Planned Date	Status
Publish Documentation	Release 1 Industry Test Approach	Documentation describing the detailed industry test approach and expected activities of each involved party, as well as timing, entry and exit criteria and expected test outcomes of all Release 1 industry test phases	Q3 2024	Published 6 Sep 2024
Publish Documentation	Release 1 FIX Specifications	Documentation providing a detailed specification of all FIX messages, including message structures, rules, and message flow diagrams. Market-relevant specifications will be published in iterations as ASX analyses and completes designs for each drop	Q4 2024	Published 14 Nov 2024
Publish Documentation	Release 1 Connectivity Guide	Documentation detailing the technical connectivity requirements to connect to the CHES replacement system, including connectivity method(s), network details and security details	Q4 2024	Published 17 Dec 2024
Engagement Activity	Release 1 ITE Open Overview	I&T WG session to provide overview of the opening of ITE, and discuss ASX proposed approach to tracking and reporting test phase activity	Q1 2025	Completed 27 Feb 2025
Publish Documentation	Release 1 AMO Build and Test Release Notes	Release Notes for the AMO Build and Test phase, including delivered functionality, FAQs and known issues in the environment	Q1 2025	Published 28 Feb 2025
Publish Documentation	Release 1 AMO Accreditation Guide	Documentation providing detail on the CHES replacement AMO Accreditation phase, expectations regarding conduct and expected results including the Accreditation process, connectivity, and message scenarios	Q1 2025	Published 31 March 2025
Engagement Activity	Release 1 Operational Readiness Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing the Operational Readiness phase	Q2 2025	Completed 29 April 2025
Engagement Activity	Release 1 Clearing Regression Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing the Clearing Regression phase	Q2 2025	Completed 29 April 2025 & 27 May 2025
Engagement Activity	Release 1 Cutover Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing Release 1 cutover activities	Q2 2025	Completed 27 May 2025
Publish Documentation	Release 1 Guide to Operational Readiness Phase	Documentation detailing the Operational Readiness scenarios including mandatory success criteria	Q2 2025	Published 28 May 2025

Note: Indicative only, subject to change based on industry inputs and further planning.

Closed Actions

#	Topic	Action	Raised	Closed	Owner	Status
R1BT_1	Testing Scenarios	AMOs to provide input as to the failover / DR scenarios they would like covered in the testing plan	15 Aug 2024	18 Mar 2025	AMOs	Closed
R1BT_2	FIX Messaging	ASX to provide iterative updates on FIX specification document to AMOs AMOs to provide feedback on FIX messaging specifications	28 May 2024	18 Mar 2025	AMOs & ASX	Closed
R1BT_3	Condition Codes & BoQ	AMOs to provide feedback on required Condition Codes & BoQ for AMO Readiness deployment	14 May 2025	12 Jun 2025	AMOs	Closed
R1BT_4	Unique Trade Identifier	ASX & AMOs to bilaterally review and agree method to ensure TradeID is unique across all AMOs and all times	14 May 2025	12 Jun 2025	ASX & AMOs	Closed
R1BT_5	Clearing Regression	ASX & AMOs to bilaterally discuss ASX questions related to AMOs ability to support TP/CP integrated testing during Clearing Regression	14 May 2025	12 Jun 2025	ASX & AMOs	Closed
R1BT_6	Release 1 Go-Live Date	AMOs to review ability to support Release 1 Go-Live date	14 May 2025	12 Jun 2025	AMOs	Closed

Closed Actions

#	Topic	Action	Raised	Closed	Owner	Status
R1BT_7	Cutover – Comms Approach	ASX to perform PoC on proposed MS Teams channel communications approach during cutover	12 Jun 2025	16 Oct 2025	ASX	Closed

Disclaimer / Important Information

Information provided in this presentation is for educational purposes and does not constitute financial product advice.

You should obtain independent advice from an Australian financial services licensee before making any financial decisions. Although ASX Limited ABN 98 008 624 691 and its related bodies corporate (“ASX”) has made every effort to ensure the accuracy of the information as at the date of publication, ASX does not give any warranty or representation as to the accuracy, reliability or completeness of the information.

To the extent permitted by law, ASX and its employees, officers and contractors shall not be liable for any loss or damage arising in any way (including by way of negligence) from or in connection with any information provided or omitted or from anyone acting or refraining to act in reliance on this information.

Past performance of the ASX sharemarket and of any financial products referenced in this presentation is not a reliable indicator of future performance.

© Copyright 2025 ASX Operations Pty Limited ABN 42 004 523 782. All rights reserved 2025.



Thank you

ASX

This document provides general information only and may be subject to change at any time without notice. ASX Limited (ABN 98 008 624 691) and its related bodies corporate ("ASX") makes no representation or warranty with respect to the accuracy, reliability or completeness of the information. To the extent permitted by law, ASX and its employees, officers and contractors shall not be liable for any loss or damage arising in any way (including by way of negligence) from or in connection with any information provided or omitted, or from anyone acting or refraining to act in reliance on this information.

© Copyright ASX Operations Pty Limited ABN 42 004 523 782. All rights reserved 2025.