CHESS PROJECT RELEASE 1 BUILD AND TEST FORUM

ASX

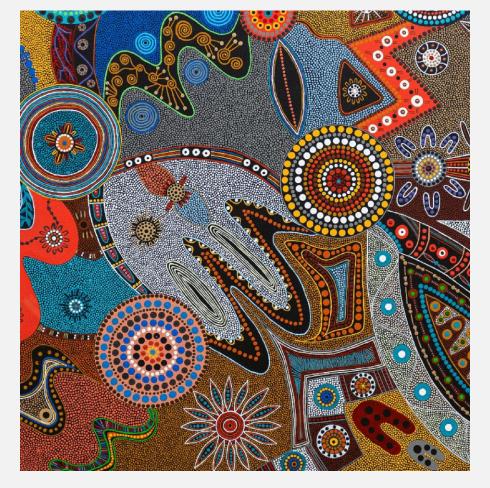
16 October 2025



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





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Open Actions & Feedback

AMO Readiness & ITE Activity Update

Clearing Regression Update

Cutover Discussion

Forward Engagement for 2025



01 Open Actions & Feedback

01 - Open Actions

Actions as 9 October 2025

	Topic	Action	Raised	Due	Owner	Status
1	Cutover – Comms Approach	ASX to perform PoC on proposed MS Teams channel communications approach during cutover	12 Jun 2025	Sep 2025	ASX	Propose to close
2	Monday Rollback Test	ASX to work with AMOs to test Monday rollback post cutover	11 Sep 2025	Dec 2025	ASX	Open



02 AMO Readiness & ITE Activity Update

02 - Industry Readiness Dashboard - AMOs

AMO Readiness: All AMOs connected to ITE

AMO Accreditation: All AMOs successfully completed AMO Accreditation

AMO Operational Readiness: 3 AMOs scheduled to complete Operational Readiness assessments in the second half of October – although not complete by 15 October the risk is mitigated through scheduled assessments and all 3 AMOs self assessing as 'on track'. 1 AMO finalising scheduling request triggering Amber status.

IDRs: All AMOs submitted To-Be-Prod applications with network connectivity in progress

Clearing Regression: AMOs supporting Clearing Regression have enabled Customer Test Environments including implementing configurations to limit trade volumes to XP1.

		Milestone			
Org ID	Cohort (*2)	Engagement (*3)	AMO Accreditation	AMO Operational Readiness	Clearing Regression
1	AMO				
2	AMO				
3	AMO				
4	AMO				

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

Open AMO Readiness measures – October

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 Softwar	e Provider to indicate sta	tus as part of bilaterals	
Functional Message Workflows	Accreditation	Successful execution of message-based accreditation scenarios	1 May 25	15 Aug 25	30 Sep 25	Complete
Non-Functional and resilience testing (BCP)	Accreditation	Successful execution of resilience accreditation scenarios	7 July 25	15 Aug 25	30 Sep 25	Complete
Software Accreditation Completion	Accreditation & Operational Readiness	Successful completion of Accreditation	1 Sep 25	30 Sep 25	15 Oct 25	Complete
AMO ITE Connectivity	Operational Readiness	Applicable to AMOs with Software Vendors. Connected by specified dates.	7 July 25	30 Sep 25	15 Oct 25	Complete
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	Outstanding

The following issues have been resolved in this release:

Ref ID	Issue Summary
CHR-18777	LastPrice (31) decimal precision in TradeCaptureReportAck (AR) message not consistent with that of TradeCaptureReport (AE) message
CHR-22893	AFII + FIX GW: FIX (AU) tag (55) Symbol (part of FIX Body) is incorrectly included in the header
CHR-23035	AFII + FIX GW: Reject NOT generated when FIX (AE) does not contain the seller or buyer side repeating group block with (552)=1
CHR-23074	AFII + FIX GW: (AE) and (W) messages incorrectly accepting mixed Header and Body tags
CHR-23093	TradeCapture (AE) Rejection – SecondaryTradeID (1040) incorrectly recorded as a unique reference
CHR-23199	AFII + FIX GW: Inability to replace rejected Pending Trades using same SecondaryTradeID
CHR-23731	Rejected (W) Message when a tag value includes a substring that matches any valid W message tag number
CHR-23854	Unparseable (W) Messages causing queue disconnection stopping processing of subsequent (W) messages
CHR-24591	LastQty (32) showing decimal value for resubmitted pending TradeCaptureReportAck (AR) message

The following issues have been resolved in maintenance prior to this release:

Ref ID	Issue Summary
CHR-24405	Unexpected increase in (AR) Latency during periods of sustained (AE) throughput (still within expected thresholds)

Assessed and closed:

Ref ID	Summary	Outcome
CHR-23074	AFII + FIX GW: (AE) and (W) messages incorrectly accepting mixed Header and	Requirement of FIX header fields to adhere to a strict order has been removed as
	Body tags	vendor confirmed approach is supported
CHR-25897	(W) message not processed and no (AU) response generated	One off occurrence, unable to be replicated. Moved to monitor status



02 - ITE Known Issues - New

Ref ID	Summary	Details	AMO Impact	Work Around or Mitigation	Target Fix Date
CHR- 26837	Invalid trade price in (AR) rejection copied from (AE) instead of populated with 0.0 to identify invalid	Negative test scenario: TradeCaptureReportAck (AR) should be populated with 0.0 Trade Price when a negative trade price submitted on (AE) however (AR) Trade Price is being copied from (AE)	AMOs will receive Trade Price value submitted on (AE) in (AR) rejection, instead of AMO User Technical Documentation specified value of 0.0	Nil	Clearing Regression Patch Release - targeting first weekend in Nov 2025
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	Clearing Regression 2nd Patch Release – targeting November 2025



Ref ID	Summary	Details	AMO Impact	Work Around or Mitigation	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 Corporate Action	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 CHESS Project Customer Technical Support to verify trade status	Clearing Regression 2nd Patch Release – targeting November 2025
CHR- 22924	AFII + FIX GW: Proposed reject text not accurately updated on all (AR) rejection types	(AR) reject text was updated under CHR-19294 for the AMO Readiness Release Patch however some typographical errors and incomplete updates have been identified	AMOs will not see exact (AR) rejection text as documented in the AMO User Technical Documentation for some rejection types	Current (AR) rejection text is still correct and can be used to identify the cause of the rejection	Clearing Regression Patch Release – targeting first weekend in Nov 2025
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 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) was received to establish a FIX session	Clearing Regression 2nd Patch Release – targeting November 2025
CHR- 24705	Logout (5) not always received when session terminated due to AMO HeartBtInt (108) value over 60 seconds	Negative Test Scenario: Logout (5) message should be generated when a session is terminated, including when HeartBtInt is greater than specified interval	AMO will not be notified when their fix session is disconnected due to extended non conformant Heartbeat Intervals	AMO software should not transmit Heartbeat (0) messages with intervals greater than specified. AMO to send a conformant Logon (A) message if no Heartbeat (0) transmitted/received to reestablish a FIX session	Clearing Regression 2nd Patch Release – targeting November 2025



02 - ITE Known Issues - Open

Ref ID	Summary	Details	AMO Impact	Work Around or Mitigation	Target Fix Date
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	Trade Cancel (AR) sent to the Comp ID from original trade capture instead of the Comp ID used for the trade cancel when Trade initiated in Primary Endpoint and cancelled via Auxiliary Endpoint	AMO will not receive (AR) via the expected Comp ID	AMOs can verify (AR) status by logging into the Primary Endpoint on the same business day or contacting ASX CHESS Operations	Clearing Regression Patch Release – targeting first weekend in Nov 2025
CHR- 26563	Transaction time incorrectly updated to previous business day when pending trade reprocessed multiple times resulting in incorrect rejection of trade	(AE) TransactTime is incorrectly being updated to previous business day when trade triggers pending status and 'reprocess' function is applied more than once, causing the trade to fail business validations and become rejected	AMOs will incorrectly have pending trades rejected when they should be accepted	ASX CHESS Operations will need to manually replace trade when incorrect rejection occurs	Clearing Regression 2nd Patch Release – targeting November 2025
CHR- 26953	AFII extended ASCII rejection without generating (AR)	Checksum error for a trade with extended ASCII characters in Tag 448 incorrectly triggering trade capture rejection and (AR) rejection not generated	AMOs will not have AFII (AE) accepted when submitting Tag 448 with Extended ASCII and will not receive (AR)	AMOs to avoid transmitting (AE) messages to AFII with Extended ASCII in tag 448 Note: Extended ASCII changes expected with previously communicated Change Request associated with CHR-22126	Clearing Regression Patch Release – targeting first weekend in Nov 2025



For discussion

Ref ID	Issue Summary
CHR-26143	CP Trade Upload Test Tool: Amending auto populated dates/details in CP Trade Upload file may result in non-conformant outcomes
CHR-26656	Reference data updates for Company Option Exercise failing to be automatically processed
CHR-26940	Trade condition code 'A3' is not being enriched for trades from SSX AMO and is therefore not included in EIS164 messages
CHR-26955	Security reference data updates triggering Netting job to occur for that security at EOD instead of next BOD



Early – Mid October 2025

Submit AMO Operational Readiness application forms + complete AMO Operational Readiness Assessments

Late October – Early November 2025

AMO Deployment of R1 Clearing Service FIX adaptors into production environment to enable IDR1 + Parallel Test

November 17-28 2025

For discussion

Parallel Test Cycle 1

Mid - Late October 2025

Submit To-Be-Prod environment connectivity application forms and enable connectivity

November 14-16 2025

Implementation Dress Rehearsal (IDR) 1

12-14 December 2025 (TBC)

Contingency IDR



03 Clearing Regression Update

03 - Clearing Regression activity to date

As at COB 15 October 2025

	Backwards Compatible Accumulated Message Volume						
	EIS164	EIS116	EIS124	EIS128	EIS138	EIS134	EIS542
CP	35	-	-	-	13	6	19
CP	-	-	-	-	-	-	43
CP	-	-	-	-	-	-	22
CP	1,214	-	-	-	845	18	26
CP	112	-	-	-	103	3	7
CP	10	-	-	-	10	1	7
СР	65	-	-	-	25	15	13
CP	-	-	-	-	-	-	7
СР	1,418	16	-	-	1,209	118	18
CP	45	-	-	4	34	10	23
CP	7,614	-	-	-	7,620	11	34
CP	180	-	-	-	173	21	7
CP	2	-	=	-	1	1	33
CP	1,497	-	=	-	1,268	83	21
CP	-	-	-	-	-	-	36
CP	39,946	-	-	-	34,086	1,993	303
CP	-	-	-	-	-	-	27
CP	1,854	-	-	-	1,841	30	12
CP	883	-	-	-	743	25	7
CP	5,197	-	-	-	5,196	6	33
CP	2,046	4	4	8	2,053	120	23
TOTALS	62,118	20	4	12	55,220	2,461	721

AMOs

- Supporting AMO Customer Test Environments:
 - AMOs cease using Production PIDs when performing their own testing & commence using synthetic/non-production PIDs
 - AMO filters in place to limit trade flows reported to ITE
 - Liquidity Generators enabled to provide order matching for CPs/TPs.

CPs

- Participants transacting in ITE/XP1 using their Production PIDs
- Trades initiated via CP Trade File Upload:
 - 5 CPs actively testing using CP Trade File Upload
 - 27 successful files uploaded
 - 207 successful trades reported.
- Trades initiated via AMO Integrated Test Environment:
 - Unable to 100% ascertain if CP/TP is initiator of reported trade.
 Inferred from Total Trades Reported/EIS messages generated

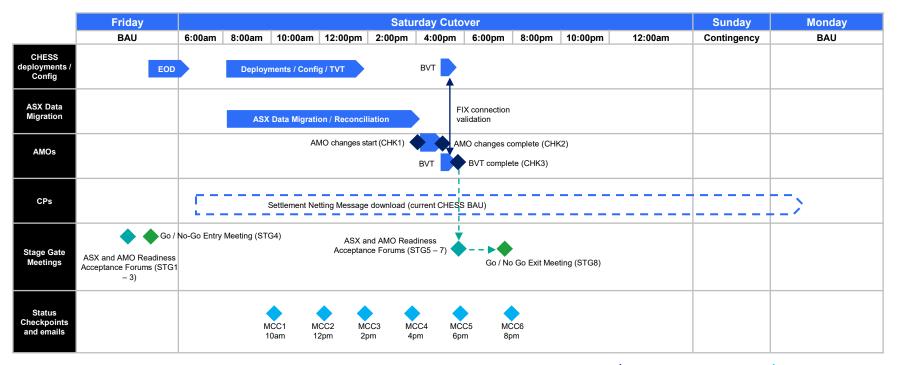
Observations so far

- CHESS Project Reference Data and configuration updates required in the first few days post release
- No Issues relating to receiving & processing backwards compatible EIS messages reported to date
- 1 CP performed transactions to receive all 7 backwards compatible EIS messages.

04 Cutover Discussion

04 - High level Cutover activities for IDR1

Timeline depicting the cutover window





04 - Business Verification Testing to confirm connectivity

Objective

The Business Verification Testing (BVT) is designed to confirm that AMOs have connectivity to the CHESS R1 Clearing Service during the cutover window to mitigate any connectivity issues on Monday go-live.



Approach

After the completion of all deployment and migration activities:

- ASX plans to restore AMO access credentials
- AMOs to initiate a log in to the FIX Gateway
- This will initiate a FIX message to be sent and received
- The ASX and AMOs to confirm these messages have been received.



04 - Cutover Discussion Points

- How are AMOs progressing with internal cutover procedures and runsheet steps? AMOs to provide key contact details for IDR1.
- Feedback / questions from the Cutover Operating Model published 26 September
- Reminder: Cutover Readiness tracking scheduled to commence from 27 October. ASX plans to provide tracker again for AMOs to populate
- Reminder: AMO Cutover Acceptance forum for IDR1 scheduled 14 November. Invitations to follow



Forward Engagement for 2025

	October 2025	November 2025	December 2025
Technical Committee	8 October CHESS Project and Working Group updates CHESS Release 1 industry readiness CHESS Release 2 scope finalisation CHESS Release 2 Drop 2 ISO changes	 5 November - In Person Session CHESS Project and Working Group updates CHESS Release 1 industry readiness CHESS Release 2 timeline checkpoint update 	3 December CHESS Project and Working Group updates CHESS Release 1 industry readiness CHESS Release 2 timeline checkpoint update
Implementation & Transition Working Group	CHESS Release 1 Clearing Regression update CHESS Release 2 ITE connectivity	25 November • CHESS Release 2 timeline checkpoint update	CHESS Release 2 timeline checkpoint update
CHESS Release 1 Build & Test Forum	CHESS Release 1 Clearing Regression update	13 NovemberAMO parallel testingImplementation Dress Rehearsal #1 update	 AMO parallel testing Implementation Dress Rehearsal #2 update
Business Design Working Group	9 October CHESS Release 2 Drop 4 Deep Dive (1 of 2)	 6 & 26 November (6th) Accounts Migration Deep Dive (26th) Release 2 Drop 4 Deep Dive (2 of 2) 	December No December meeting
ISO Design Working Group	October No October meeting	14 November CHESS Release 2 Drop 4 ISO messages and Schema	9 December CHESS Release 2 Drop 5 ISO messages and Schema



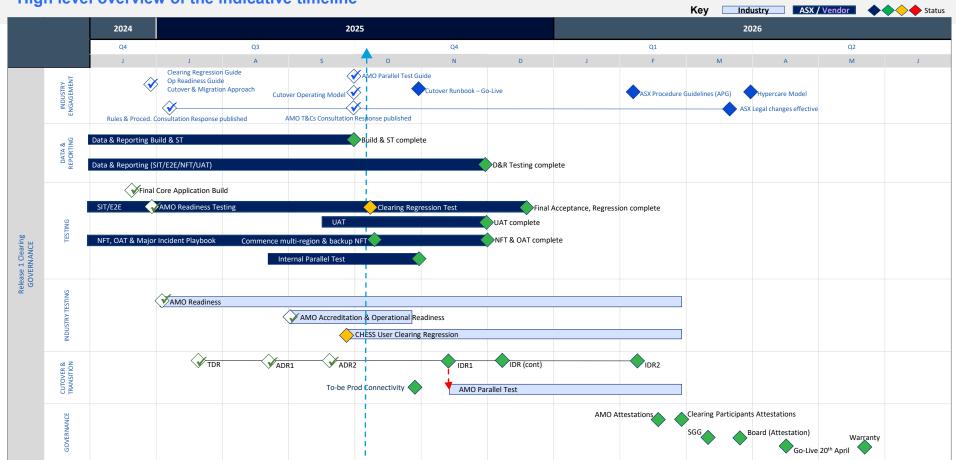
(?) Questions

Appendix



CHESS Release 1 Indicative Project Timeline – Sep 2025

High level overview of the indicative timeline



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 CHESS 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 CHESS production feed of trade registrations to CHESS 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 CHESS and CHESS 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	Proposed for October 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 CHESS 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 CHESS 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



Closed Actions

#	Торіс	Action	Raised	Closed	Owner	Status
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
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
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
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
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
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

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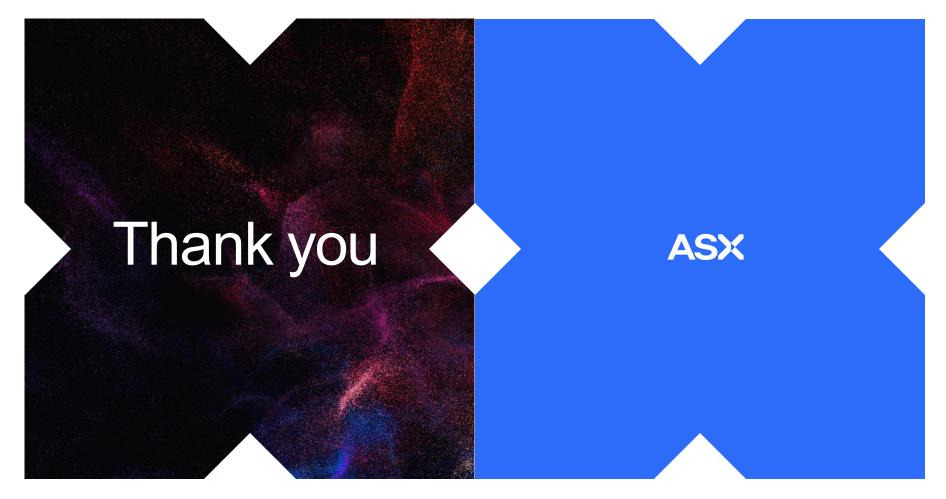
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