

# ASX CHESS Project

Release 1 Build and Test Forum

14 May 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
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  - +61 2 7208 4607
  - Phone Conference ID: 193 100 276#
- > 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 Welcome, Open Actions and Feedback

02 ITE Activity Update

03 AMO Readiness – Condition Code & Basis of Quotation

04 Unique Trade Identifier

05 Clearing Regression Support

06 Cutover Planning

07 Forward Engagement for 2025

# 01

## Welcome, Open Actions and Feedback

# 01 – Open Actions

No open actions as at 07/05/2025

#	Topic	Action	Raised	Due	Owner	Status
-	-	-	-	-	-	-

# 02

## ITE Activity Update

## 02 – ITE Activity in April

AMOs and AMO Software Providers ITE activity continues to increase as progress is made with log in and business message testing.

### ITE Update

- > The ITE environment has remained available and stable for Industry Testing throughout April
  - ITE maintenance windows on Thursday evenings where required
- > AMO test activity levels in April were lower than expected but an increase on March
  - ASX plan to reach out bilaterally to organisations to see if there are any risks to completing testing on ITE open code (cases not blocked by known issues to be resolved) prior to AMO Readiness Phase commencement
- > 1 case of large volume erroneous Trade Captures submitted, requiring session disconnection
- > 1 new issue identified during AMO testing:
  - CHR – 17400: TradeCaptureReport (AE) PartyID (448) rejections – see next slide

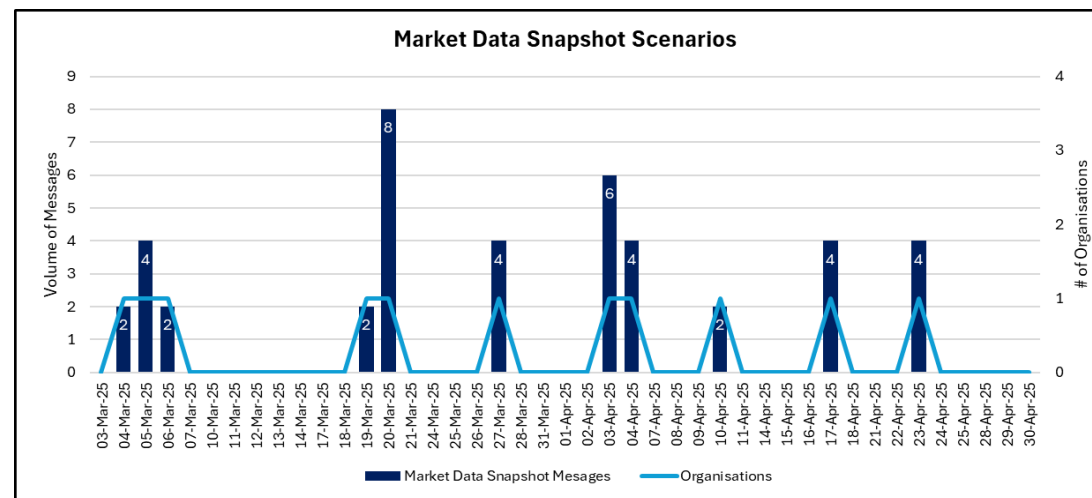
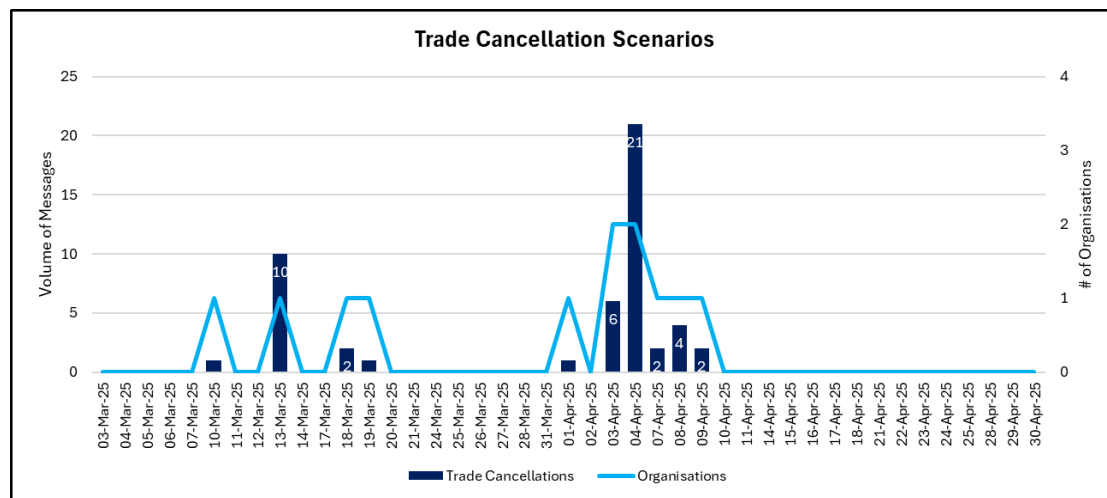
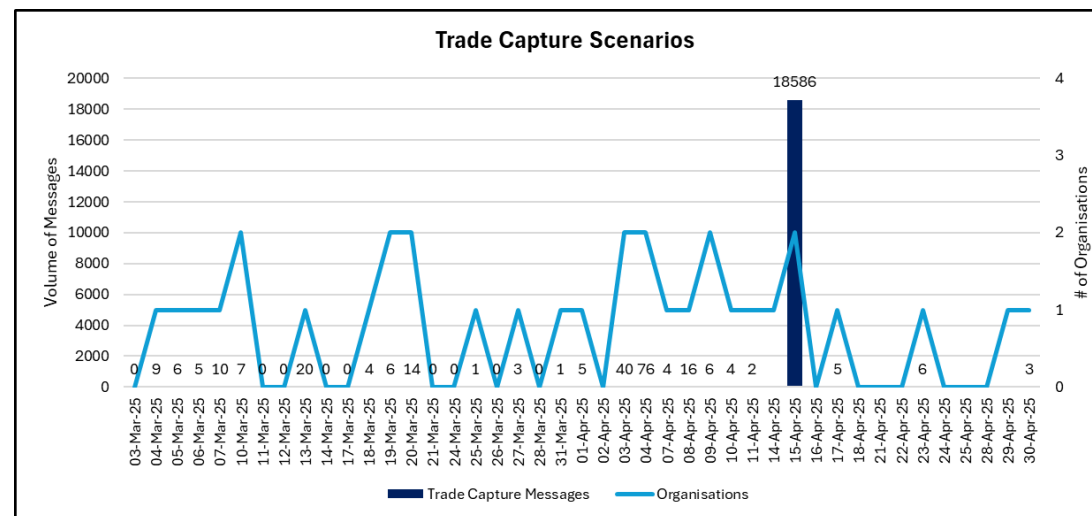
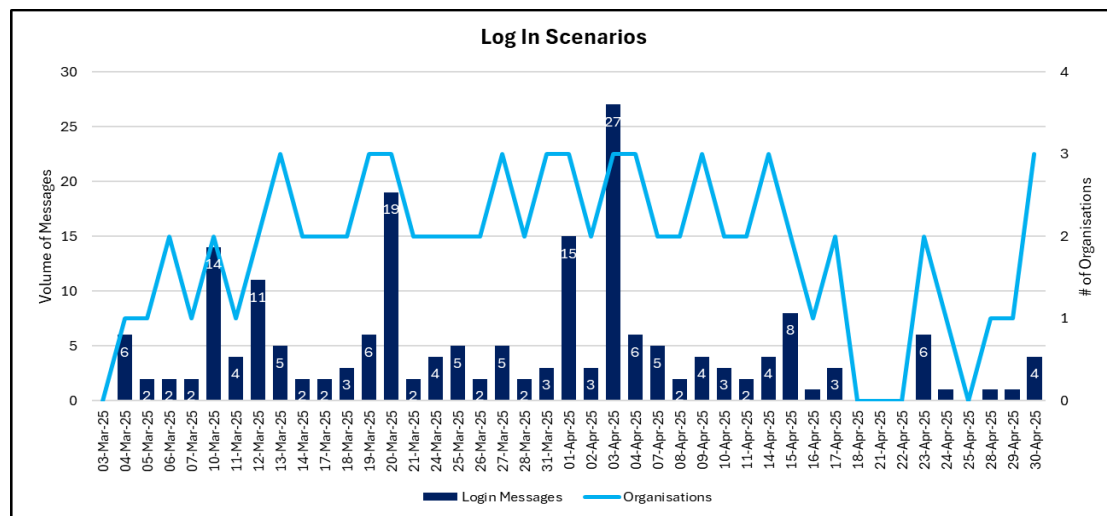
AMO Build & Test	Total
Login	96
Graceful Disconnection	59
Password Changed	2
Resend Request	11
Sequence Reset	19
Trade Capture	18,766
Trade Capture Cancellation	36
Market Data Snapshot	20
Support Tickets	5

Source: ITE data is from 1 April 2025 to 30 April 2025

## 02 – New Issues Identified

Ref ID	Summary	Details	AMO Impact	Work around or Mitigation	Status	Target Fix Date
CHR-17400	TradeCaptureReport (AE) Message incorrectly being rejected when PartyIDSource (447) set to D – Proprietary / Custom code and PartyID (448) <> 10 character alpha numeric string	<p>Expected Behaviour: (AE) Message accepted when PartyIDSource (447) set to D and PartyID (448) contains up to 10 character alpha-numeric string (eg 10 or less characters accepted)</p> <p>Actual Behaviour: (AE) Message rejected when PartyIDSource (447) set to D and PartyID (448) contains less than 10 character alpha-numeric string (eg 9 or less characters rejected)</p>	AMOs will receive an unexpected rejection when transmitting (AE) messages that contain PartyIDSource (447) set to D and PartyID (448) containing less than 10 character alpha-numeric string	<p>This is an optional field. AMO software must temporarily either:</p> <ol style="list-style-type: none"> <li>transmit (AE) messages without a PartyIDSource (447) set to D, or</li> <li>transmit (AE) messages with a PartyIDSource (447) set to D and a PartyID (448) containing exactly 10 character alpha-numeric string</li> </ol>	TBC – Under investigation	TBC – Under investigation

# 02 – ITE Message Activity Since ITE Open



Source: ITE data is from 28 Feb 2025 to 30 Apr 2025

# 03

## AMO Readiness – Condition Code & Basis of Quotation

# 03 – Condition Codes for AMO Readiness

ITE is scheduled to be updated to reflect the following Condition Codes for AMO Readiness phase. All AMOs should map their Trade Condition Codes to align with the below format.

Code	Description	Proposed Status
SC	Special Block Trade	Addition
WH	Wholesale Interest Rate Instrument	Addition
LN	Loan Reporting	TBD
LR	Loan Return Reporting	TBD
L1	Late Trade – Book Squaring	Removed
L2	Late Trade – Hedging Trades	Removed
L3	Late Trade – Order Completion	Removed
L4	Late Trade – Error Rectification	Removed
L5	Late Trade – Put Through	Removed
S1	Special – \$2.5M	Removed
S2	Special – \$1M	Removed
S3	Special – \$0.5M	Removed

Code	Description	Proposed Status
BC	Preference Any Price Block Trade	No Change
BK	Buy Back	No Change
BP	Booking Purposes Only	No Change
BT	Any Price Block Trade	No Change
CM	Single Sided Combination	No Change
CP	Centre Point Preference Trade	No Change
CT	Combination Trade	No Change
CX	Centre Point Trade	No Change
DR	Directed Reporting	No Change
EC	Exercise of Call	No Change
EP	Exercise of Put	No Change
EQ	Equity/Option Combination	No Change
ET	ETF Special Trades	No Change
GL	Govt Loan Securities	No Change
LT	Late Trade – Post 5PM	No Change
NX	NBBO Crossing Trade Report	No Change
OC	OTC Contingent Equity Trade	No Change
OR	Overseas Resident (Foreign to Foreign)	No Change
OS	Overseas	No Change
PI	Put Through – \$1M	No Change
QB	Quote Display Board Trade Report	No Change
SP	Special – Derivatives	No Change
ST	Price Stabilisation	No Change
SX	Special Sale Portfolio	No Change
TM	Tailor Made Combination	No Change
XT	Crossed Trade	No Change

## 03 – Basis of Quotation for AMO Readiness

The Corporate Action (20007) tag on the FIX AE message identifies the Basis Of Quotation (BOQ) if effected outside of the default Basis Of Quotation (i.e. where there is a special market). Applying BOQ will result in the trade settling on T+1 and settled on a gross basis.

Code	Description	Proposed Status
CF	Cum Takeover Offer	Removed
CL	Call Due	Removed
CO	Cum Conversion Right	Removed
CP	Call Paid	Removed
CT	Conditional Trading	Removed
NX	New Ex Interest	Removed
PA	Protection Available	Removed
PU	Protection Unavailable	Removed
RA	Receiver Appointed	Removed
RE	Reconstructed	Removed
XF	Ex Takeover Offer	Removed
XO	Ex Conversion Right	Removed
T1	Trade Date Plus 1 Business Day	Removed
T2	Trade Date Plus 2 Business Days	Removed
T3	Trade Date Plus 3 Business Days	Removed
TA	Trade Date Plus 10 Business Days	Removed
TB	Trade Date Plus 15 Business Days	Removed
TC	Trade Date Plus 20 Business Days	Removed
TD	Trade Date Plus 25 Business Days	Removed
TE	Trade Date Plus 30 or over Business Days	Removed

Code	Description	Proposed Status
CB	Cum Bonus Issue	No Change
CC	Cum Capital return	No Change
CD	Cum Dividend	No Change
CE	Cum Entitlement	No Change
CI	Cum Interest	No Change
CM	Cum Premium return	No Change
CQ	Cum Equal Access Buyback	No Change
CR	Cum Rights Issue	No Change
CZ	Cum Non Pro Rata Balance	No Change
XB	Ex Bonus Issue	No Change
XC	Ex Capital return	No Change
XD	Ex Dividend	No Change
XE	Ex Entitlement	No Change
XI	Ex Interest	No Change
XM	Ex Premium return	No Change
XQ	Ex Equal Access Buyback	No Change
XR	Ex Rights Issue	No Change
XZ	Ex Non Pro Rata Balance	No Change

# 04

## Unique Trade Identifier

# 04 – Unique Trade Identifier Recap

Recap: The following was presented and agreed at the AMO WG meeting, 28 May 2024

## 03 – FIX Specification Update AE Message – New AMO Trade Identifier

### FIX Tag TradeID [1003]

**Proposed** that this will contain the new format unique ID, should be unique (at least) for the AMO for the trade reporting date (not execution date).

**Response requested:** please *confirm the format currently generated by your matching system* for the primary trade identifier, i.e. length, data type (alpha, numeric, alpha-numeric).

Additional Points:

- We propose to make TradeID mandatory to minimise any rework for R2
- For R1, CHES Replacement will not verify uniqueness, however for R2 we would retire the legacy trade ID (EIS 164 Serial Trade Qualifier + Trade Serial Number) and verify uniqueness of new ID
- Any decision on generation of a unique UTI type reference can be deferred until R2. This would include appending the new TradeID with an AMO identifier and trade date to ensure an all-time unique ID. We could look at adopting the ISO UTI based upon provided TradeID but can also defer this decision
- In any case the convention would allow participants to extract the originating AMO trade Identifier from the CHES-R reference.



Is there appetite to fully adopt a new Trade ID convention in R1 to minimise AMO impact for R2?

# 04 – Unique Trade Identifier Proposal

- > The agreed specification from May 2024 defines that the new Trade ID (FIX Tag = 1003) must be unique for the trade date only
- > Uniqueness is currently not guaranteed across all AMOs and trade dates
- > To allow for adoption in R2, and deprecation of current Transaction ID, the new Trade ID would need to have the following characteristics:
  - Unique across the AMO name space and across all dates
  - A reference that the Clearing Participants can look up/reconcile against the trade reports received via AMO drop copy
- > To facilitate this, we could adopt a convention of prefixing with the MIC code: MIC-TradeDate-TradeID
  - e.g. if current Trade ID is 000123456 → X???-20250430-000123456
- > Given the new Trade ID length is 35 characters, it might require the trade date to be compacted to Base 36 to avoid length overrun with the Trade ID being received in ITE, e.g. 2025-04-30 → C21BY, thus saving 3 characters

# 05

## Clearing Regression Support

# 05 – Clearing Regression Support: AMO Feedback Requested

To set Clearing Participant expectations and communicate how AMOs intend to enable integrated testing during the Clearing Regression phase, AMOs have been requested to provide the following Information.

No.	Question
1.	What is the name of your test environment that will be available for connecting to ITE?
2.	Is this a dedicated test environment, meaning no other testing will taking place?
3.	Do all your trading participants have connectivity to this environment currently? If not, what is the lead time required for participants to connect to this environment?
4.	What is the likely timing / availability of test environment (e.g. full duration of phase, post AMO Accreditation phase, one week per month, one day per week etc.)?
5.	Will signal / feeds / drop copy integration be available?
6.	Do you facilitate any type of special market upon request and if so, can they be requested in your test environment?
7.	Will all your production securities be available or a subset?
8.	Are a subset of available securities able to be segregated or nominated for a specific testing purpose?
9.	Can synthetic securities be created?
10.	Are there other considerations to assist trading participants with successful testing?

# 05 – Clearing Participant Bilateral Feedback: Clearing Regression Support

Bilateral feedback has been received from several Clearing Participants expressing interest in replicating E2E production flow in the AMO integrated test environment. Feedback and next steps include:



# 05 – CP Survey: Clearing Regression Support

AMOs ability to provide support during Clearing Regression has been discussed bilaterally. ASX intends to publish a survey to Clearing Participants to better understand these requirements. Survey questions include the following:

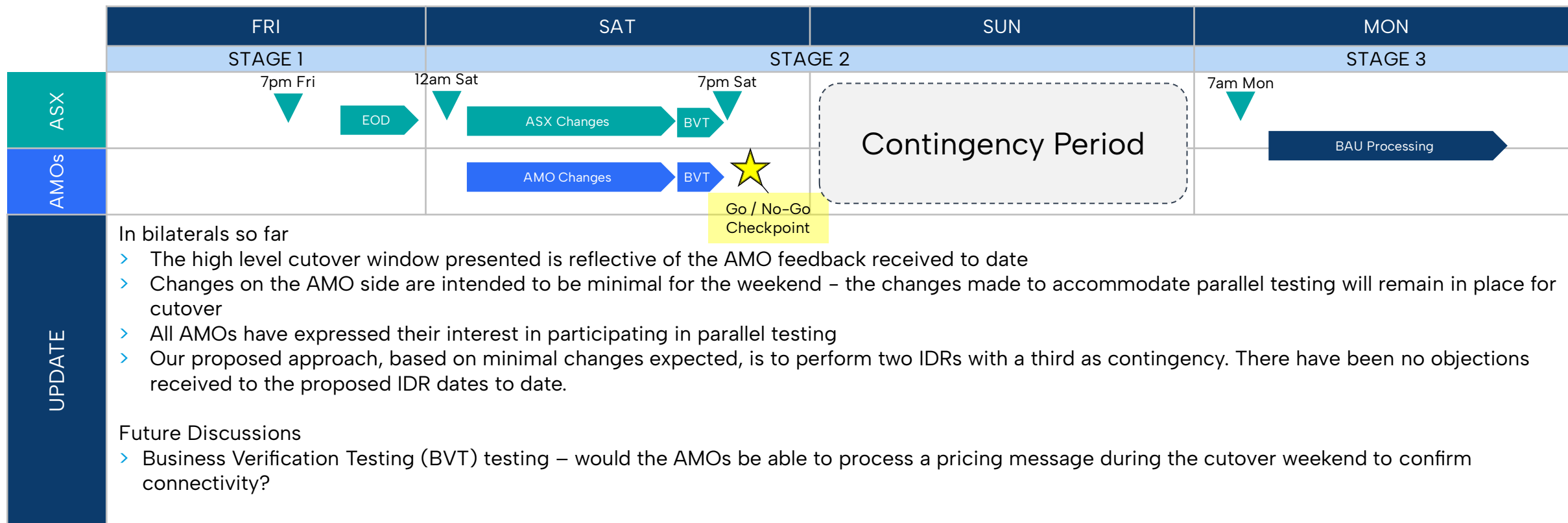
No.	Topic	Optional Test Activity
1.	AMO Trade Registration	Do you intend to use AMO integration to initiate trade registrations and cancellations?
2.	AMO Trade Registration	For those answering 'Yes' to Question 1, which AMO(s) do you intend to perform your testing with?
3.	Batch Settlement	Do you intend to complete testing in the Clearing Regression phase beyond receipt and processing of backwards compatible Clearing messages (ie do you need batch to complete successfully in order to complete your nominated test cases)?
4.	Vendor Support	Do you intend to leverage the support of your external Software Vendor in completing your Clearing Regression testing?
5.	Vendor Support	Which Software Vendor will you be using?
6.	Settlement Only Participant Support	Do you intend to include Settlement Only participant relationships in this phase by having your related Settlement Only Participant(s) connect and perform testing on settlement messages?

# 06

## Cutover Planning

# 06 – Indicative Cutover Window: Discussions To Date

The commencement of the cutover window to the new CHESS Clearing Service will be scheduled to begin after the completion of the Friday night BAU EOD batches in the ASX source systems.

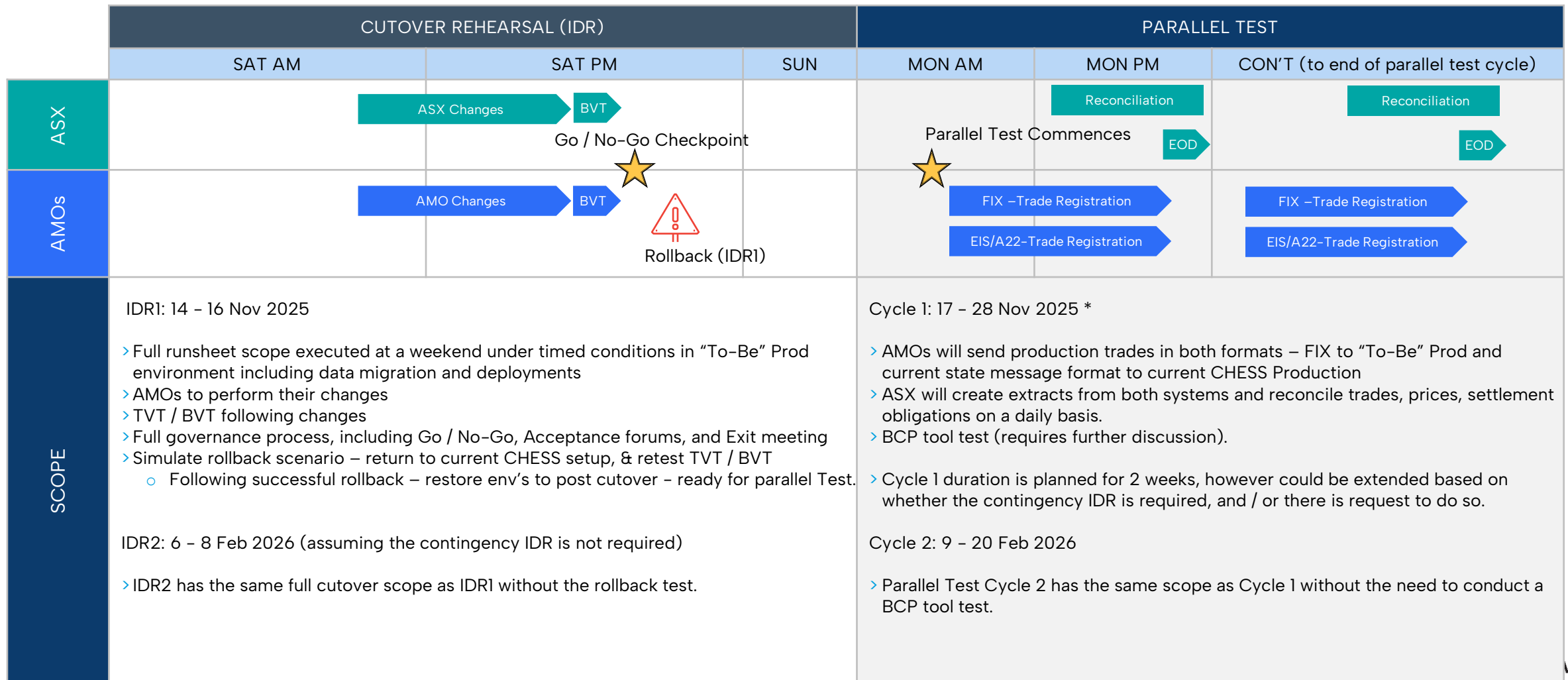


Note: Dates and timing are indicative, subject to change based on working group feedback

Note: All times quoted are AEST

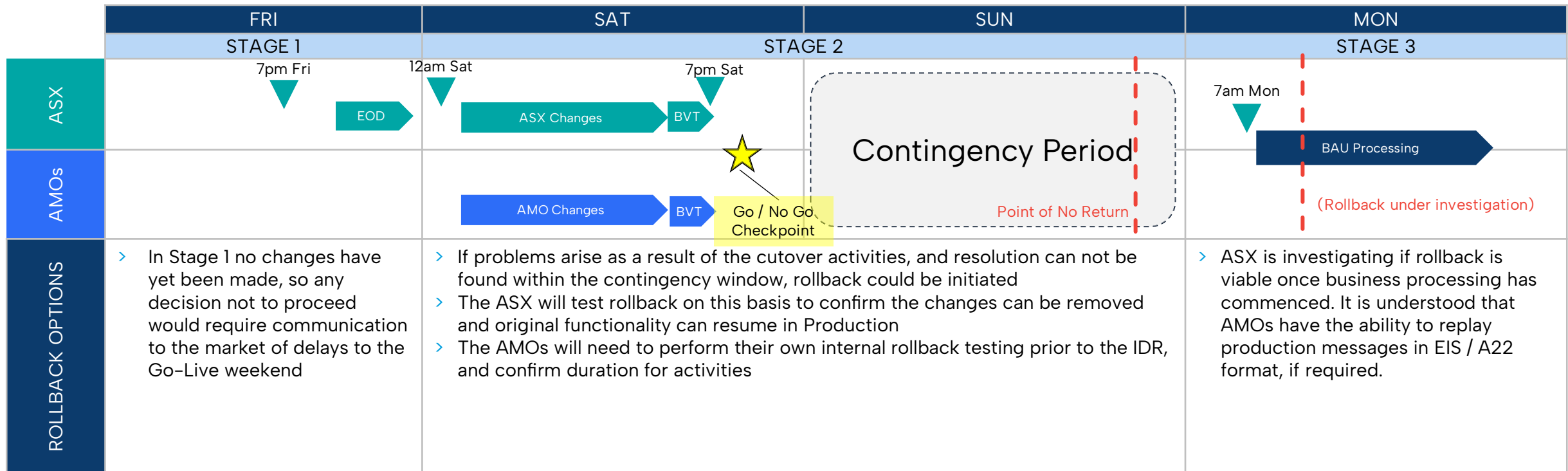
# 06 – IDR Scope and Parallel Test

The timeline below reflects activities across the cutover rehearsal leading into the window for AMO Parallel testing, outlining the scope for each Implementation Dress Rehearsal (IDR).



# 06 – Rollback at Stage 2

ASX is proposing that the rollback can occur anytime up until the 'point of no return'. The preferred point of no return is determined by the last available time to perform a rollback and be ready for start of day on Monday.

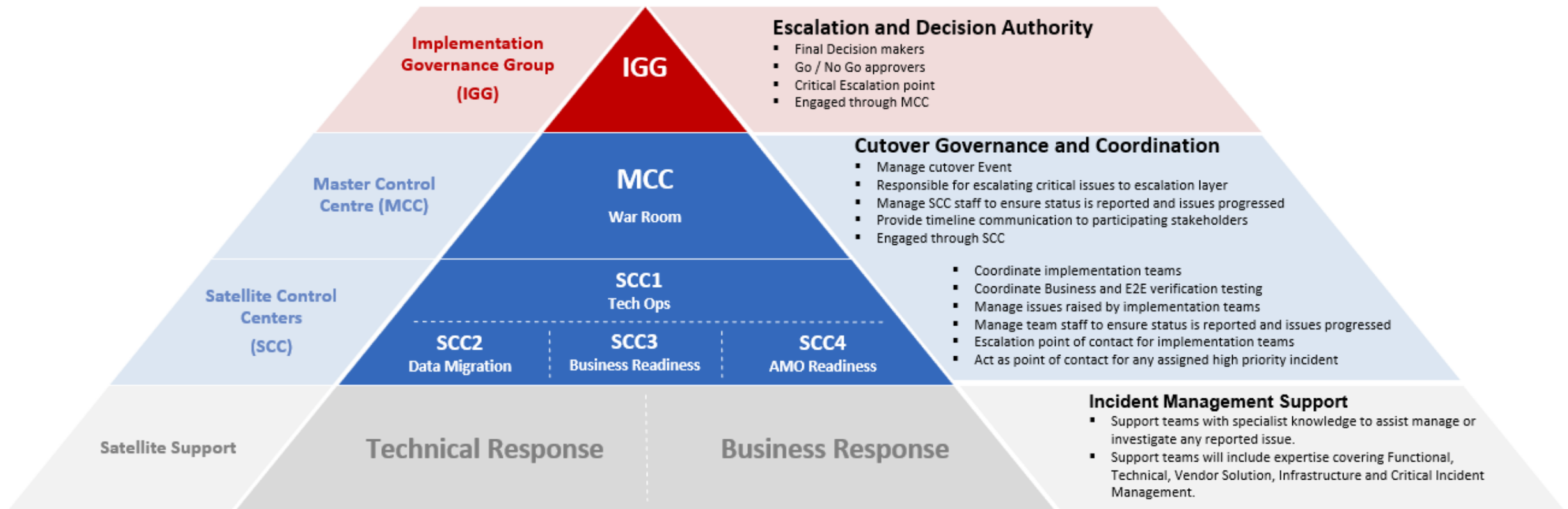


Note: Dates and timing are indicative, subject to change based on working group feedback

Note: All times quoted are AEST

# 06 – Cutover Operating Model

High-level view of the cutover operating model, focusing on the Governance model and Master Control Centre. The Satellite Control Centre (SCC4) will assist the MCC in communicating with and managing AMO activities.



# 06- Implementation Readiness Objectives

For noting

For discussion

For recommendation

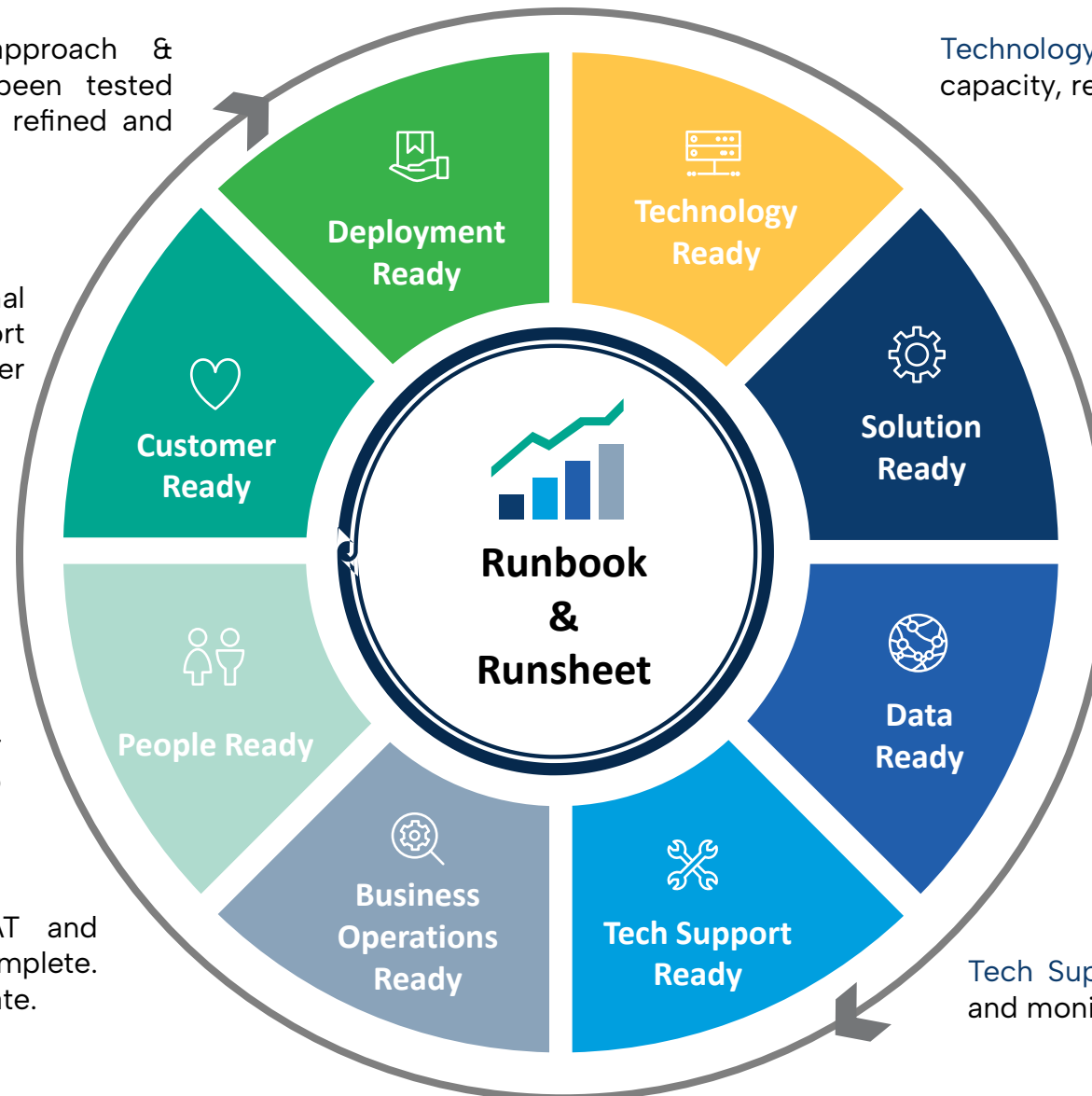
Implementation Readiness Objectives form the basis for the trackers that are used to indicate the preparedness for each event, providing clear visibility on what areas need focus. These then also form the categories for the Entry Criteria.

**Deployment Ready:** Cutover approach & cutover operating model have been tested through Dress Rehearsals and are refined and ready.

**Customer Ready:** Additional resources are in place for support teams to ensure minimal customer impact during cutover.

**People Ready:** Teams are prepared through targeted change, training and clear communication. Post go-live support is in place and our people are engaged and ready to own the solution.

**Business Operations Ready:** UAT and Operational Readiness phases complete. Business Operations ready to operate.



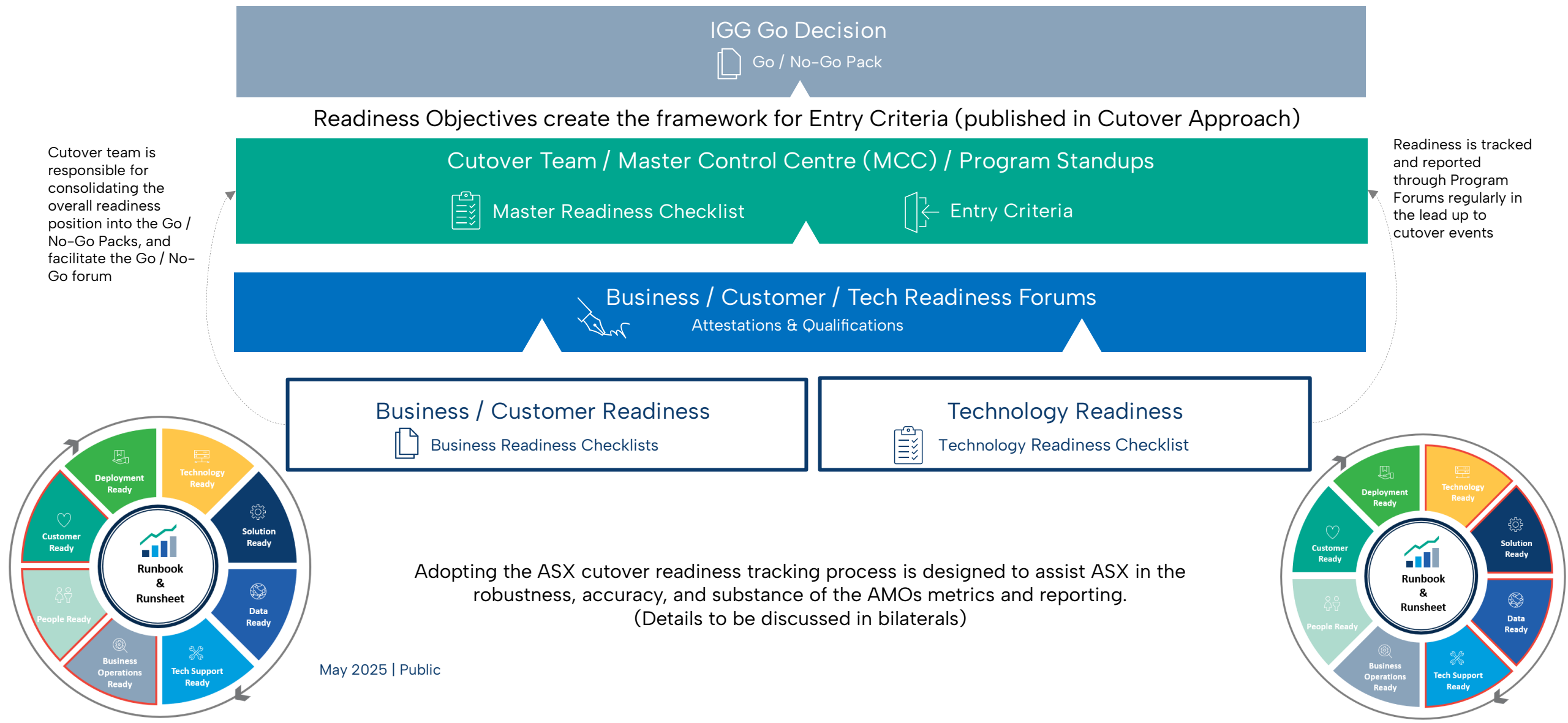
**Technology Ready:** Production infrastructure, network capacity, response times are fully tested and ready.

**Solution Ready:** The target state solution has been built & effectively tested with 'real world' scenarios and data. The solution is fully compliant, and all applications and interfaces are ready.

**Data Ready:** The data migration process has been thoroughly tested & timings fine tuned.

**Tech Support Ready:** Technology playbooks completed and monitoring solutions in place.

# 06 – Readiness into Entry Criteria – Overview



# 07

## Forward Engagement for 2025

# 07 – Release 1 Proposed Engagement Activities for 2025

## 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, including Industry Testing Activity and Progress Tracking	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 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 Clearing Regression Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing the Clearing Regression phase	Q2 2025	Completed iteratively in March and April 2025. Final engagement Planned for 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	Planned for May 2025
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	Planned for June 2025
Publish Documentation	Release 1 Guide to Operational Readiness Phase	Documentation detailing the Operational Readiness scenarios including mandatory success criteria	Q2 2025	Planned for May 2025
Publish Documentation	Release 1 Cutover and Migration 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	Planned for June 2025
Engagement Activity	AMO Parallel Phase Overview	I&T WG session to provide overview & discuss the prerequisites & process for completing the Parallel Test phase	Q3 2025	
Publish Documentation	Release 1 Guide to AMO Parallel Test	Documentation providing detail on the Parallel Test phase, key activities and expectations and expected results including entry and exit criteria	Q3 2025	
Publish Documentation	R1 Cutover Runbook	Documentation providing AMOs with key tasks and milestones, with an outline of detailed steps including planned timing. The 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	Q3 2025	

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

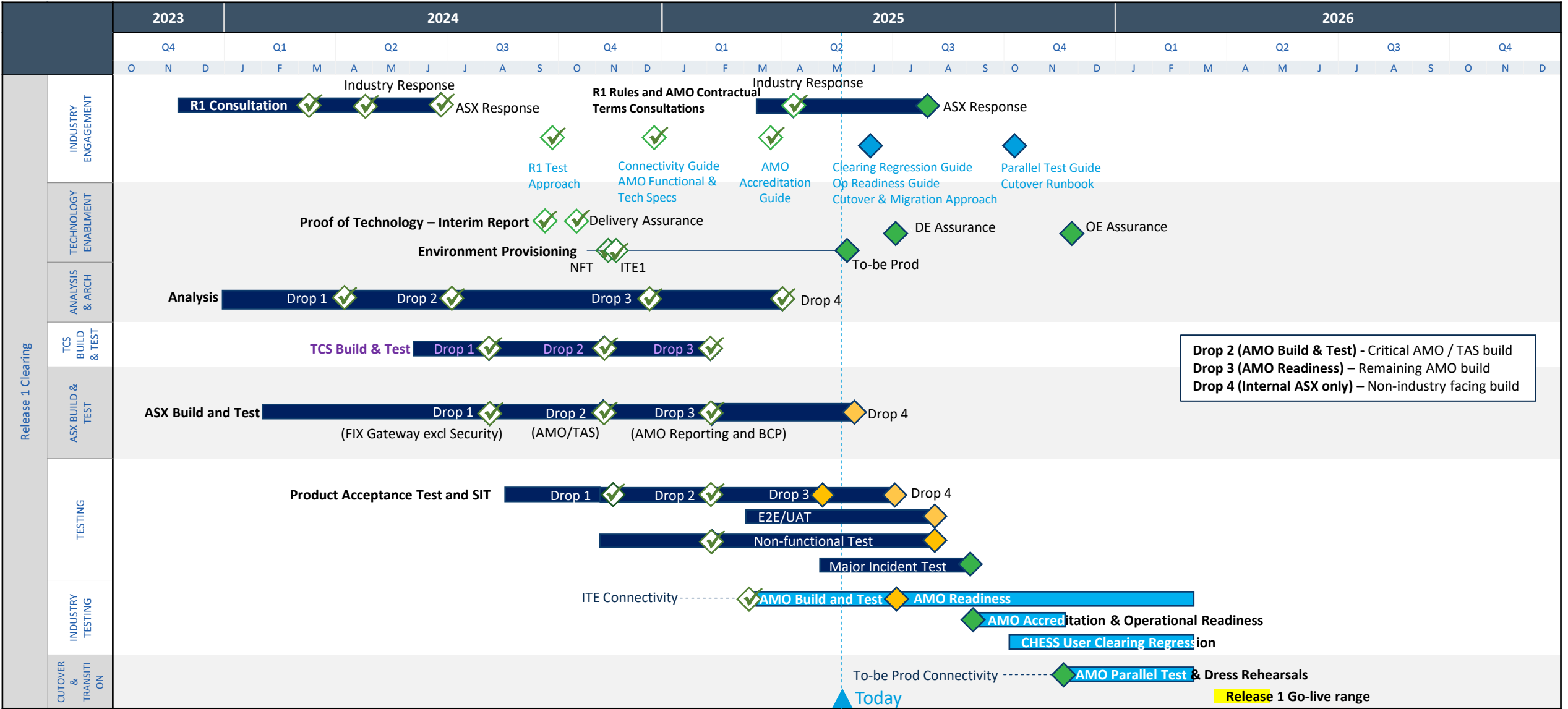
# 07 – Indicative Forward Engagement Calendar (Rolling 3 Months)

	May 2025	June 2025	July 2025
Technical Committee	6 May <ul style="list-style-type: none"> <li>&gt; Release 1 and Release 2 project update</li> <li>&gt; Release 1 Industry Testing update</li> <li>&gt; April Working Group updates</li> <li>&gt; Optional versus mandatory functionality recommendation</li> <li>&gt; Change Control Management</li> <li>&gt; Release 2 Operating Rule Changes</li> </ul>	4 June <ul style="list-style-type: none"> <li>&gt; Release 1 and Release 2 project update</li> <li>&gt; Release 1 Industry Testing update</li> <li>&gt; May Working Group updates</li> <li>&gt; CHES Project support model</li> </ul>	9 July <ul style="list-style-type: none"> <li>&gt; Release 1 and Release 2 project update</li> <li>&gt; Release 1 Industry Testing update</li> <li>&gt; June Working Group updates</li> </ul>
Implementation & Transition Working Group	27 May <ul style="list-style-type: none"> <li>&gt; Release 1 Clearing Regression and Cutover</li> <li>&gt; Release 1 Parallel Test Overview</li> </ul>	26 June <ul style="list-style-type: none"> <li>&gt; Release 1 Cutover</li> <li>&gt; Release 2 Drop 1 Industry Test Tooling</li> </ul>	29 July <ul style="list-style-type: none"> <li>&gt; Release 1 Parallel Test Overview</li> </ul>
Release 1 Build & Test Forum	14 May <ul style="list-style-type: none"> <li>&gt; Build and Test update</li> <li>&gt; Readiness tracking</li> <li>&gt; Accreditation and Operational Readiness</li> <li>&gt; Clearing Regression and Cutover</li> <li>&gt; Condition Codes</li> </ul>	12 June <ul style="list-style-type: none"> <li>&gt; Build and Test update</li> <li>&gt; Readiness tracking</li> <li>&gt; Industry test phases</li> </ul>	17 July <ul style="list-style-type: none"> <li>&gt; Build and Test update</li> <li>&gt; Readiness tracking</li> <li>&gt; Industry test phases</li> </ul>
Business Design Working Group	15 May <ul style="list-style-type: none"> <li>&gt; Release 2 Drop 2 Deep Dive</li> </ul>	5 June <ul style="list-style-type: none"> <li>&gt; Session to be confirmed</li> </ul>	10 July <ul style="list-style-type: none"> <li>&gt; Release 2 Drop 3 Deep dive</li> </ul>
ISO Design Working Group	21 May <ul style="list-style-type: none"> <li>&gt; Release 2 Drop 2 ISO messages and Schema</li> </ul>	19 June <ul style="list-style-type: none"> <li>&gt; Release 2 Drop 2 ISO messages and Schema</li> </ul>	24 July <ul style="list-style-type: none"> <li>&gt; Release 2 Drop 2 and Drop 3 ISO messages and Schema</li> </ul>

Thank you.

# Appendix

# Appendix – CHESS Release 1 Indicative Project Timeline – May 2025



# Appendix – Upcoming Industry Test Phases Summary

	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

Note: 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

# Appendix – Status of Known Issues (1/2)

Ref ID	Summary	Details	AMO Impact	Work around or Mitigation	Status	Target Fix Date
CHR-17400 <b>NEW</b>	TradeCaptureReport (AE) TradeCaptureReport (AE) Message incorrectly being rejected when PartyIDSource (447) set to D – Proprietary / Custom code and PartyID (448) <> 10 character alpha numeric string	Expected Behaviour: (AE) Message accepted when PartyIDSource (447) set to D and PartyID (448) contains up to 10 character alpha-numeric string (eg 10 or less characters accepted)  Actual Behaviour: (AE) Message rejected when PartyIDSource (447) set to D and PartyID (448) contains up less than 10 character alpha-numeric string (eg 9 or less characters rejected)	AMOs will receive an unexpected rejection when transmitting (AE) messages that contain PartyIDSource (447) set to D and PartyID (448) containing less than 10 character alpha-numeric string	This is an optional field. AMO software must temporarily either: 1. transmit (AE) messages without a PartyIDSource (447) set to D, or 2. transmit (AE) messages with a PartyIDSource (447) set to D and a PartyID (448) containing exactly 10 character alpha-numeric string.	TBC – Under investigation	TBC – Under investigation
CHR-15238	MarketDataSnapshot (W) FIX (W) Message incorrectly being rejected when MDEntryPx does not contain decimal point with at least one decimal place value.	Expected Behaviour: (W) Message accepted when MDEntryPx contains up to 15 digit value either with a decimal precision up to 6 decimal places or without (i.e. float number) Actual Behaviour: (W) Message rejected when MDEntryPx does not contain up to 15 digit value with a decimal precision of 1 or more up to 6 decimal places	AMOs will receive unexpected rejection when transmitting (W) messages that contain a float number in MDEntryPx field	AMO software must transmit (W) messages that contain a decimal precision value with one or more decimal place values in MDEntryPx field.	Ready for deployment	Drop 3 (AMO Readiness Release)
CHR-7684	If the FIX gateway receives a garbled message with the following incorrect tag ordering: 1. (35) MsgType 2. (8) BeginString 3. (9) BodyLength it creates an unstable state for the ASX FIX session and the subsequent message received will likely cause a session failure.	Expected Behaviour: The garbled message should be rejected Actual Behaviour: The FIX Gateway does not reject the message and the session state is compromised	AMOs will be required to reset the session with a new logon <A> after being forced disconnected, and will need to resume by specifying the next expected Msg sequence number (34)	This error would only occur should the AMO send a malformed message, which is unlikely to occur. A session reset can be applied in the unlikely circumstance that this does occur.	Ready for deployment	
CHR-10792	FIX Gateway Message gap is not identified by FIX Gateway on a Logon (A) with higher MsgSeqNum (34) than expected (without NextExpectedMsgSeqNum (789))	Expected behaviour: The FIX Gateway should automatically transmit a ResendRequest(2) requesting the missing messages that the gateway has not received to be resent from the AMO Actual behaviour: The FIX Gateway fails to send the ResendRequest (2) message	When a gap is detected, automatic gap fill management will not occur, and the AMOs and ASX will not be aligned in terms of MsgSeqNum and NextExpectedMsgSeqNum. This will result in a corrupted FIX session state	Tag 789 has been removed for FIX gap message recovery and been replaced with ResendRequest <2>. Please see the AMO User Technical Documentation section 3.1.6.	Invalid post removal tag 789	
CHR-12107	FIX Message re-transmission occurs in incorrect order when message gap identified from Logon (A) with higher MsgSeqNum (34) and lower NextExpectedMsgSeqNum (789) than expected.	Expected behaviour: The FIX Gateway should automatically transmit a ResendRequest(2) requesting for the gap (i.e. missing messages that the gateway has not received) to be resent from the AMO Actual behaviour: The FIX Gateway fails to retransmit the expected messages in the correct sequence	When a gap fill is requested in the logon, automatic gap fill will not occur, and the AMOs and ASX will not be aligned in terms of MsgSeqNum and NextExpectedMsgSeqNum. This will result in a corrupted FIX session state	Tag 789 has been removed for FIX gap message recovery and been replaced with ResendRequest <2>. Please see the AMO User Technical Documentation section 3.1.6.	Invalid post removal tag 789	

# Appendix – Status of Known Issues (2/2)

Ref ID	Summary	Details	AMO Impact	Work around or Mitigation	Status	Target Fix Date
CHR-11318	MarketDataSnapshotFullRefresh (W) message – incorrect response message received when transmitting a (W) message, with one or more missing mandatory repeating groups (269) MDEntry tags.	Expected Behaviour: "One or more required repeating group codes are missing from the tag <269><MDEntry>" Actual: "<268><NoMDEntries>: [SUPPLIED_VALUE] is invalid"	AMOS will receive an incorrect error when this occurs	This will only occur if a malformed message is received from the AMO. AMOs should be aware that the correct message will not be transmitted in this circumstance.	Ready for deployment	Drop 3 (AMO Readiness Release)
CHR-12348	TradeCaptureReport (AE) message – incorrect Reject text is sent for invalid (2376) PartyRoleQualifier tag.	Expected Behaviour: "1238=<2376><PartyRoleQualifier>: [SUPPLIED_VALUE] is not an allowable value" Actual Behaviour: "1328=<2376><PartyRoleQualifier>: [23] is invalid"	AMOS will receive an unexpected error (typo) when this occurs	Mitigation – AMOs should expect the incorrect error text.	Ready for deployment	
CHR-12858	MarketDataSnapshotFullRefresh (W) message – Spelling error on (75) Pricedate tag in Reject Text.	Expected Behaviour: 58=<75><Pricedate>:[20250108] is invalid Actual Behaviour: 58=<75><Pricedate>:[20250108] is invalid	AMOS will receive an unexpected error text string	Mitigation – AMOs should expect the incorrect error text.	Ready for deployment	
CHR-13018	MarketDataSnapshotFullRefresh (W) message if the (55) Symbol tag string length is > 15 characters it causes the FIX AE (Trade message) consumer group to fail and subsequent FIX AE messages are NOT processed.	Expected behaviour: The AMO should receive a FIX AU reject indicating invalid message tag value Actual behaviour: Consumer group fails and FIX session disconnect will occur	AMOS will lose connectivity and any subsequent FIX AE messages that were transmitted after the disconnection will be lost. Once the consumer group is brought back up, the AMOs will need to re-transmit the lost messages	This will only occur if a malformed message is received from the AMO, specifically (55) Symbol tag. This does not occur for formatting errors in other fields. AMOs should ensure this tag is properly encoded with the security code (of up to 6 characters in length).	Ready for deployment	
CHR-13599	TradeCaptureReportAck (AR) message – ACK message not sent back to AMO when input TradeCaptureReport (AE) message contains out of range value in (487) TradeReportTransType tag.	Expected behaviour: TradeCaptureReportAck (AR) rejecting malformed message Actual Behaviour: No TradeCaptureReportAck (AR) message transmitted	AMOS will not receive a response from the FIX Gateway when Tag 487 is not populated correctly on FIX AE	This will only occur should a malformed message be received from the AMO, specifically for an invalid value in (487) TradeReportTransType tag. AMOs should ensure this tag is properly encoded.	Ready for deployment	

# Appendix – Closed Actions

#	Topic	Action	Raised	Due	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	Q1 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	Q1 2025	AMOs & ASX	Closed

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