MHHS PROGRAMME

Industry-led, Elexon facilitated

SIT Functional & Migration SI Overarching Exit Report (End of Cycle 3)

MHHS-DEL3915

23 June 2025

Version 0.1 (Initial SITWG Review)

Document Classification: Public

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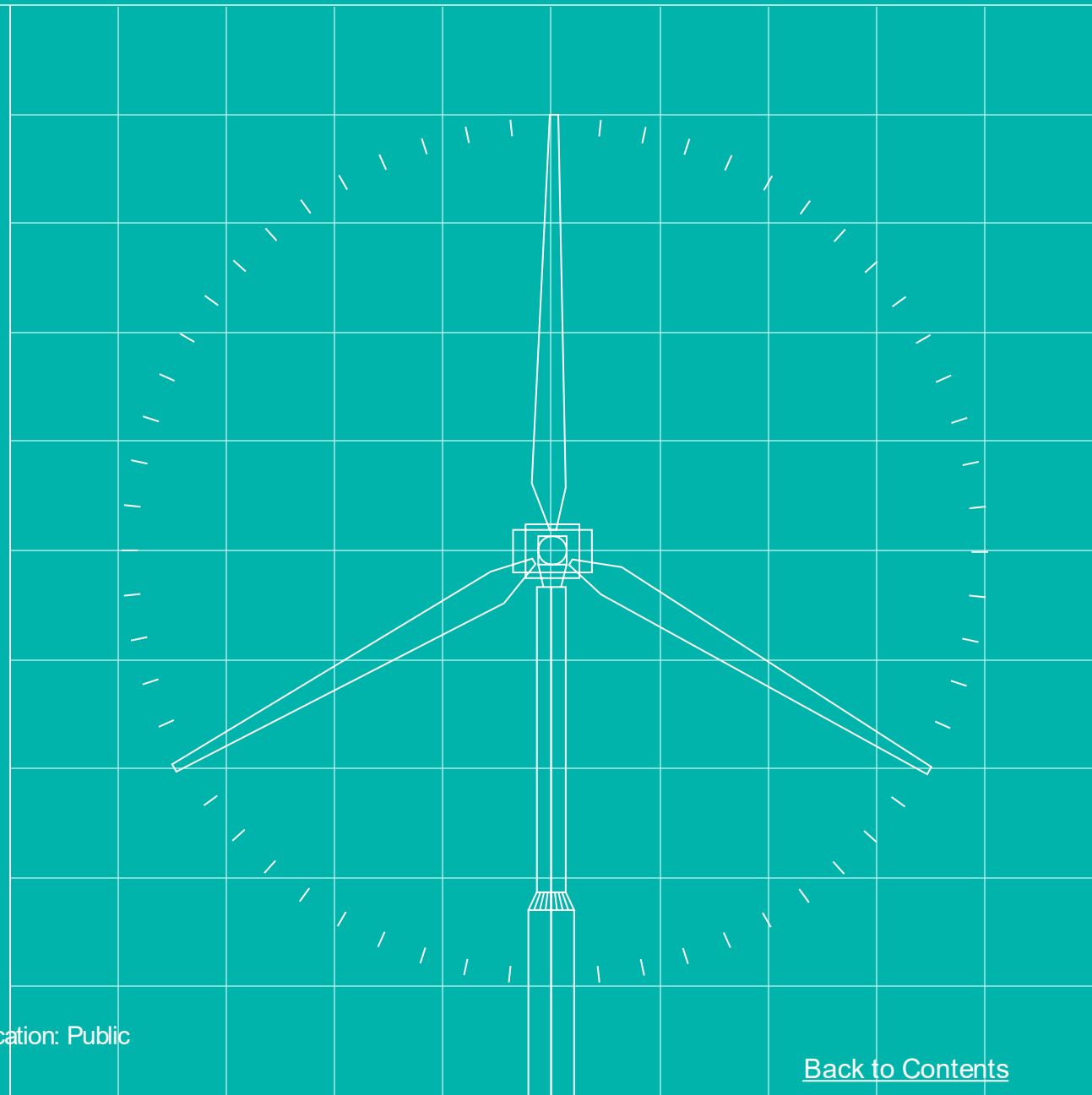
Section 0:
Summary & Reference Documents



SIT Functional and Migration Test – Background & Context

The Market-wide Half Hourly Settlement programme (MHHS), when completed, will contribute to a more cost-effective electricity system, encouraging more flexible use of energy and helping consumers lower their bills.

The objective of the SIT Functional & Migration Test stages is to validate the new MHHS arrangements designed for the Programme Migration Phase by involving all Central Systems, the Registration Service and at least two Services for each market Role, all connected via the Data Integration Platform (DIP) enabling End-to-end tests to be conducted based on the test scenarios and cases in scope.

For full background please see documents REF-07 and REF-10:

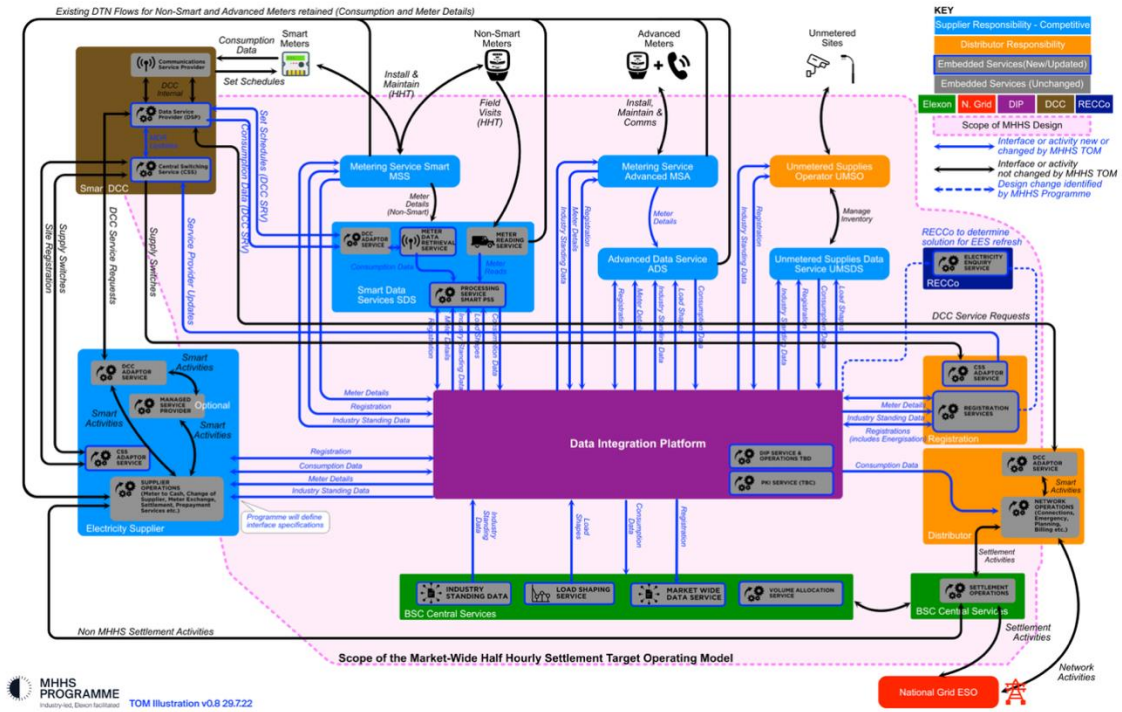
- MHHS-DEL1259 SIT Functional Test Approach & Plan
- MHHS-DEL1781 - SIT Migration Test Approach & Plan

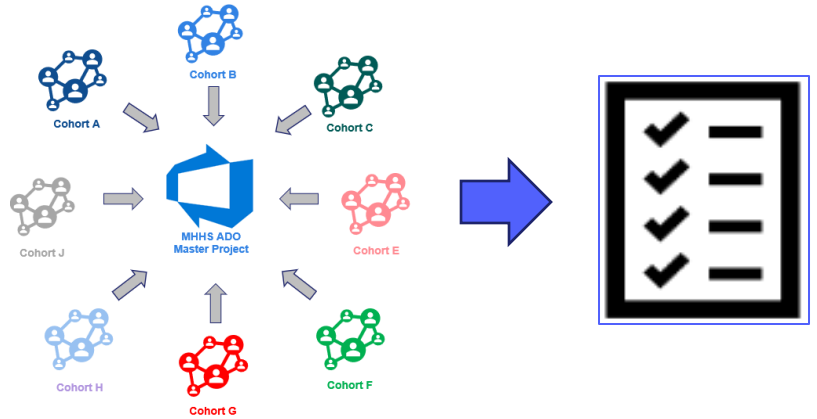
Testing was undertaken by establishing 8 'Cohorts' each comprising the MHHS Market Roles required to exercise the design, E2E business processes and central systems within in the new MHHS arrangements.

SIT Functional & Migration testing was executed over 3 cycles, each conducted on different interim release versions of the MHHS Design:

- **Cycle 1 (Interim Release 5)**: 11-Mar-24 – 14-Jun-24
- **Cycle 2 (Interim Release 7)**: 17-Jun-24 – 04-Oct-24
- **Cycle 3 (Interim Release 8)**: 21-Oct-24 – 25-Apr-25

All MHHS SIT Participant testing was executed from and evidenced within the MHHS Azure DevOps test tool.





SIT Functional and Migration Test – Note on the CR055 MHHS Test Schedule Extension (1 of 2)

- The Programme inherited the Ofgem Transition Timetable when Elexon was appointed Implementation Manager for MHHS.
- It was always intended to re-baseline the plan once the Programme was fully mobilised, MHHS design was baselined and the full understanding of the scope was established. This activity was undertaken as part of the CR022 Programme re-plan exercise, which concluded in mid-2023.
- The principles set out as part of that plan, included an early Go-Live with the fastest industry participants (SIT Minimum Viable Cohort (MVC)) and was predicated on testing progressing at a specified pace.
- The MHHS End to End Testing and Integration Strategy included a SIT Component Integration Test stage where DIP interface connectivity was established and successfully tested by all SIT Participants as a pre-curser to SIT Functional and Migration which would span 3 cycles
- Early indicators in SIT Functional Cycle 1 highlighted that testing was taking longer than our initial estimates due to multiple factors including complexity of the MHHS Target Operating Model, defects, resources and ways of working.
- The Programme implemented several corrective actions derived from collective Industry retrospectives, but it became increasingly clear that the test modelling was more ambitious than the industry could collectively achieve and resulted in Cycle 2 being extended.
- Until this point, the test models were created by the Programme and shared with industry for feedback. To gauge industry appetite (and ability), the Programme requested and obtained models from each SIT cohort to establish the appropriate time required to complete testing in the most robust, comprehensive and efficient manner. The Programme used estimates, along with ours to arrive at the most optimal timeframe incorporating the key assumptions and principles from all the models.

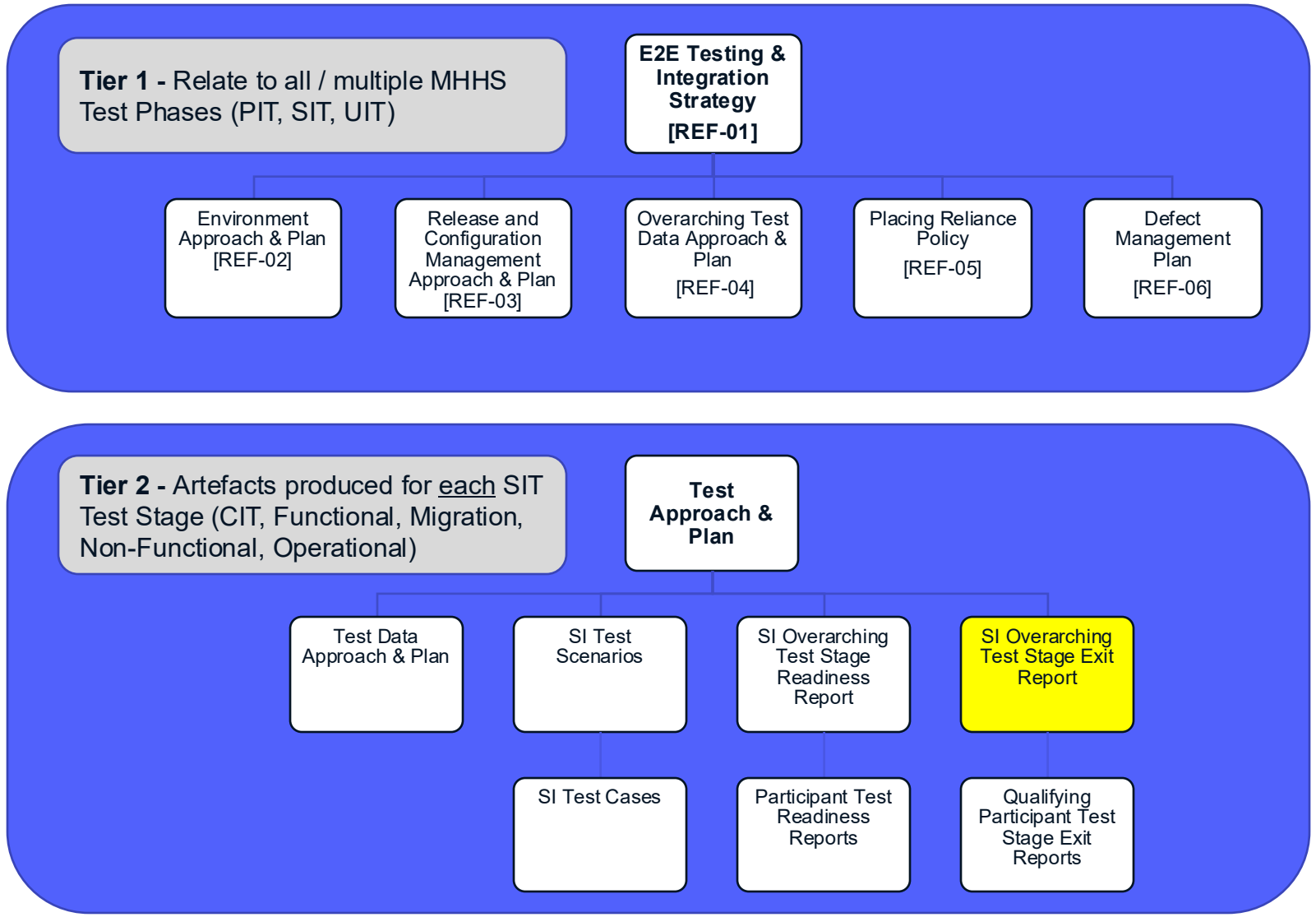
SIT Functional and Migration Test – Note on the CR055 MHHS Test Schedule Extension (2 of 2)

- The CR055 recommendation, with the 6.5 months delay to M10 incorporated the most appropriate amount of time required to complete SIT testing with a degree of contingency, ensured all dependencies into Go-live could be achieved, including but not limited to associated Qualification activities, LDSO Qualification Testing, Central Party readiness to take on BAU operations, and readiness to commence Migration.
- The test modelling underpinning the CR022 timelines involved SIT Participants moving at a specified pace.
- SIT comprises of 8 cohorts and all Central Parties testing together. Each cohort comprises of a supplier and all the associated MHHS agents who collectively undertake testing to demonstrate that every aspect of MHHS design has been tested and verified as part of the SIT Functional. These cohorts were undertaking other aspects such as SIT Migration, Settlement Testing, Non-Functional and Operational Testing to prove that all aspects of design has been tested and the MHHS ecosystem can Go-live at M10 and commence Migration at M11.
- It became clear that the effort in undertaking this type of interconnected testing was far higher than anticipated by Programme Participants (PPs) and stakeholders.
- The Programme undertook several measures to keep to the CR022 timelines such as implementing process improvements, bolstering the central Programme team to provide additional support to participants, programme taking on a more directive role in testing, using an agile sprint-based methodology to tightly control testing, etc.
- Whilst these measures did demonstrate an uptick in pace, it was clear that the pace did not match the modelling that allowed the programme to hit M10 in March 2025.
- As part of this exercise, we engaged participants to feed in their estimates to assess Programme assumptions against participant estimates and arrive at a model that has Industry buy-in, adequate contingency as well as considerations of all the dependencies and risks that underpin the timelines.
- Cycle 3 demonstrated the efficacy of the new model with testing progressing to plan and SIT Functional and Migration completing to schedule on 25-Apr-2025.

SIT Functional and Migration Qualifying Participant Exit Report – Reference Documents

REF No.	Document / Collaboration Base Link	Notes
REF-01	MHHS-DEL315 - E2E Testing & Integration Strategy	
REF-02	MHHS-DEL618 - Environment Approach & Plan	
REF-03	MHHS-DEL1089 - Release and Configuration Management Approach & Plan	
REF-04	MHHS-DEL813 - Overarching Test Data Approach and Plan	
REF-05	MHHS-DEL1064 - Placing Reliance Policy	
REF-06	MHHS-DEL466 - Defect Management Plan	
REF-07	MHHS-DEL1259 SIT Functional Test Approach & Plan	
REF-08	MHHS-DEL1367 - SIT Functional Test Data Approach and Plan	
REF-09	SIT Functional Test Scenarios and Test Cases	
REF-10	MHHS-DEL1781 - SIT Migration Test Approach & Plan	
REF-11	MHHS-DEL1662 - SIT Migration Test Data Approach & Plan	
REF-12	SIT Migration Test Scenarios and Test Cases	
REF-13	MHHS-DEL030 - Programme Governance Framework	
REF-14	MHHS-DEL2238 - SIT Functional & Migration Test Cycle 3 Day-in-the-life (DITL) Guidance	
REF-15	MHHS-DEL3471 SIT Test Scope Traceability	
REF-16	MHHS SIT-Functional Role Based RTTM	
REF-17	MHHS SIT-Migration Role Based RTTM	
REF-18	SIT Regression Framework & Regression Pack	

SIT Functional and Migration – MHHS Test Document Hierarchy



Key: ***= This Document***

SIT Exit Reports

- MHHS SI Test will produce an overarching SI Exit Report for each SIT Stage which will be subject to MHHS Governance review and approval (**this document**)

- Qualifying Participants are required to provide Participant SIT stage exit reports for submission to the QAD Portal

Exit Report Content

- Summarising the overall position at the end of each SIT stage testing, covering:
  - Test Execution Status
  - Requirements Coverage
  - Dispensations resulting in tests set to 'Not Applicable'
  - Tests Passed with Observations or Workarounds
  - Defect Status
  - Open Defects / Work Off Plans
  - Exit Criteria Status
  - Exit Declarations

SIT Exit Reports Required

- **SIT Qualifying Participant (QP) Exit Reports** will cover all Market Roles and MPIDs taken through SIT for Participants that are subject to Code Body Qualification
  - The reports will be compiled by the programme, and sent to individual SIT Participants to sign a Test Exit Self Declaration (via DocuSign)
  - Qualifying Participants will then upload these to the QAD portal as evidence for their Qualification
  - 4 QP reports will be required for signing; 1) SIT F & M, 2) SIT NFT, 3) SIT Ops, 4) Regression Exit Declaration (Note: this last report will be an addendum to the SIT F&M QP Exit Report, which updates their position following SIT-A Settlement and Regression Test)
- Central Party / Non-Qualifying roles have been exercised by Cohort testing so will be covered in the **SIT SI Overarching Exit Reports** for each SIT stage:
  - **3 reports;** 1) SIT F & M Combined, 2) SIT NFT, 3) SIT Ops

Market Roles	Qualifying Role	SIT F & M Qualifying Participant Exit Report	SIT NFT Qualifying Participant Exit Report	SIT Ops Qualifying Participant Exit Report	PP Regression Exit Declarations (Report Addendum)	SIT SI Overarching Exit Reports (SIT F, M, NFT, Ops)
SUP	Yes	✓	✓	✓	✓	✓
SDS	Yes	✓	✓	✓	✓	✓
ADS	Yes	✓	✓	✓	✓	✓
MSS	Yes	✓	✓	✓	✓	✓
MSA	Yes	✓	✓	✓	✓	✓
UMSDS	Yes	✓	✓	✓	✓	✓
iDNO/DNO (REGS, LDSO and UMSO)	Yes	✓	✓	✓	✓	✓
EES	N/A	✗	✗	✗	✗	✓
DSP	N/A	✗	-	✗	✗	✓
CSS	N/A	✗	-	✗	✗	✓
MDS	N/A	✗	✗	✗	✗	✓
LSS	N/A	✗	✗	✗	✗	✓
VAS	N/A	✗	-	✗	✗	✓
DIP	N/A	✗	✗	✗	✗	✓
DTN	N/A	✗	✗	✗	✗	✓

SIT Functional & Migration Exit Reporting - Guidance

Ready for Review

Qualifying Participant Exit Reports (for QAD)

- The MHHS SI will pre-populate PP Exit Reports with Test & Defect Outcomes (as per their end of Cycle 3 position)
- Participants are to agree test / defect work off plans with the SI and Code Bodies
- Participants will document agreed work off plans in their individual reports
- Participants will provide an Exit declaration within the report signed by the MHHS Primary or Secondary Contact within the Qualifying Party organisation and return the report to SI for Assurance

Qualifying Participant Post-Regression Exit Declarations (for QAD)

- The MHHS SI will pre-populate a 'PP Exit Declaration' report with Settlements & Regression Test & Defect Outcomes (as per their end of Regression position)
- Participants are to agree test / defect work off plans with the SI and Code Bodies
- Participants will document agreed work off plans in their 'PP Exit Declaration'
- Participants will obtain a signature from the MHHS Primary or Secondary Contact within the Qualifying Party org and return the Declaration to SI for Assurance

SI Overarching Exit Report (Subject to Governance Review / Approval)

1. SI will summarise the overall position for each Central Party, Cohort and Participant covering the status of:
    a) Exit Criteria
    b) Work Off Plans
    c) Exit Declarations
2. SI will update the report with the outcomes from Settlements & Regression Test

	After Cycle 3	After SIT-A Settlement CSS & Regression Test
	Combined SIT F & M PP Exit Reports	**PP Regression Exit Declarations**
Test Outcome Report	**Pre-populated by the MHHS Programme**	**Pre-populated by the MHHS Programme**
Exceptions & Work Off Plan	**Completed by PP** (In Agreement with Programme)	**Completed by PP** (In Agreement with Programme)
Exit Declaration	**Completed by Qualifying PP** (Signed by the MHHS Primary or Secondary Contact*)	**Completed by Qualifying PP** (Signed by the MHHS Primary or Secondary Contact*)
SI Assurance →		
SIT F & M SI Overarching Exit Report	Initial Version	Post-Regression Update

Primary Contact = The MHHS primary or secondary contact nominated by each organisation on the PPC records (Please contact your PPC representative if there has been a change to your nominated Principal Contact)

SIT Exit Reports – Production, Review & Governance

SITStage / Workstream	Exit Report	Required For	Produced by	When Produced	QP Review	SITWG Review	Review (working days)	Post SIT-A Settlement / Regression Addendum?	Regression Addendum Produced when?	Report and Addendum Subject to SITWG / SITAG Approval	Associated Milestone
Functional & Migration	**QP Exit Report**	QP QAD Submission	Programme	After Cycle 3	**Yes**	N/A	10 Days (inc sign)	**Yes**	**As individual QPs have met Regression Exit Criteria (Prioritised by Pathway)** **(est. issued within 2 days)**	N/A	-
	SIT SI Overarching Stage Report	SITWG Endorsement / SITAG Sign Off	Programme	After Cycle 3	N/A	**Yes**	10 Days	**Yes**	**1. When 2 Cohorts Met Exit Criteria / and post-SAT Regression complete** **(est. issued within 2 days)** **2. Updated and published when remaining Cohorts have met Exit Criteria** **(est. issued within 2 days, per Cohort)**	**Yes**	T2-TE-0850 / T2-TE-0800
NFT	**QP Exit Report**	QP QAD Submission	Programme	Stage End	**Yes**	N/A	10 Days (inc sign)	N/A	-	N/A	
	SIT SI Overarching Stage Report	SITWG Endorsement / SITAG Sign Off	Programme	Stage End	N/A	**Yes**	10 Days	N/A	-	**Yes**	T2-TE-0900
Operational Test	**QP Exit Report**	QP QAD Submission	Programme	**As individual QPs have met Stage Exit Criteria (Prioritised by Pathway)**	**Yes**	N/A	Pathway 2 & 3 PPs: 5 days All other PPs:10 Days (inc sign)	N/A	-	N/A	
	SIT SI Overarching Stage Report	SITWG Endorsement / SITAG Sign Off	Programme	**1. When 2 Cohorts have Met Exit Criteria** **(est. issued within 5 days)** **2. Updated and published when remaining Cohorts have met Exit Criteria** **(est. issued within 5 days, per Cohort)**	N/A	**Yes**	10 Days	N/A	-	**Yes**	T2-TE-0950

The Combined 'SIT Functional and Migration SI Overarching Exit Report' will consist of 2 corresponding artefacts (each with a unique document reference number):

#	Artefact	Summary
1	**Exit Report (**MHHS-DEL3915**)**	• The report will provide a status of all SIT Functional and Migration tests and requirements associated with the MHHS Market Role(s) in SIT **at the close of Cycle 3**. It will also provide a summary of all defects raised and resolved during that testing (note this will be for the 3rd Party testing delegate where the placing reliance policy was adopted) • When the draft report is complete it will be published to SITWG for a 10-day review period • When 2 Cohorts have successfully completed; SIT-A Settlements, Regression Test i.e. Exit Criteria Met for the Cohort, and post-SAT Regression is complete, then the report will be updated to cover the outcomes of this testing and will issued for final SITWG review and SITAG sign-off that MHHS SIT Functional & Migration stage is complete. (**Note** as soon as Qualifying Participants have met their Exit Criteria in Regression they will also be provided with their QP Regression Exit Declaration report) • When the remaining Cohorts have completed testing and met their exit criteria, this report will then be updated and shared with SITWG (along with their individual QP Regression Exit Declaration report)
2	**Test & Defect Extract (**MHHS-DEL3916**)**	• Due to the number of SIT F & M tests executed and defects encountered during testing it is impractical to list them all in the report itself, instead the report will summarise the position at the end of Cycle 3 and refer to an underpinning MS Excel extract containing the test, requirement and defects status for SIT Participants (again this artefact will be updated when SIT-A Settlement and Regression Test is completed)

Ready for Review

SIT Functional & Migration SI Overarching Exit Report Sections and Extract Contents

#	Artefact	Section / Extract	Notes	Section Update Post Regression
1	Exit Report	**Background and Document Summary**	Background, reference documents, document hierarchy, guide to Exit Reporting, guide to the structure and approach to Exit Reports, review and approval	N/A
		SIT Participants, Market Roles and Cohort Membership	This will include Central Parties, Qualifying Parties, where testing was delegated to any 3rd Party Orgs, and Test Participant membership in Cohorts	N/A
		F&M Test Scope	- Summarising the SIT Functional Test Scope position – highlighting changes during SIT	N/A
		SIT Functional & Migration Test & Requirements Status Summary	- This will summarise the status of Tests at the end of Cycle 3 at a cohort Level - Provide a Summary of RTTM Based Test and Requirement Status by Central Party, including any exceptions - Provide a Summary of RTTM Based Test and Requirement Status by Qualifying Party, including any exceptions - Section will refer to details within the Test & Defect Extract	**This section will be updated for CPs or QPs where there are Test Outcomes to be fulfilled in SIT-A Settlement Test or Regression Test**
		Tests Passed with Observations or Workarounds	This will summarise tests passed with Observations or Work Around (referring to the extract for details)	**Yes, if there are any new clean runs, or new Observations / Work Arounds**
		SIT Functional & Migration Defect Status Summary	- This summarises the status of Defects Raised and Resolved by the Test Participants (3rd Party Test Participants in the case of Qualifying Parties who have delegated testing by adopting the Placing Reliance Policy) - Any exceptions (i.e. open defect) and associated work off plans (if any) - Section will refer to details within the Test & Defect Extract	**This section will be updated following the results of SIT-A Settlement Test or Regression Test**
		Settlement SIT-A & Regression Test Outcomes	**[Place Holder Section in Initial Version]** - SIT-A Settlement Cohort Status - Regression Test Status	**This section will be populated in the next iteration of this Report once SIT-A Settlement and Regression Test is completed**
		Exit Criteria Status	Separately for both Functional and Migration (Exit Criteria will be listed by Central Party, LDSO and Qualifying Cohort Members)	**Yes**
		Approach to Lessons Learned	Programme will outline the proposed approach to Post-SIT Phase Retrospective and Lessons Learned for Future Industry Programme	**Yes**
		SITAG Recommendation	This will be a recommendation declaration for SITAG	**Yes**
2	Test & Defect Extract	**Cohort Test Status Report**	A list of all tests in-scope for Cohorts in SIT F & M and the status at the end of Cycle 3	**This extract will be updated for CPs or QPs where there are Test Outcomes to be fulfilled in SIT-A Settlement Test or Regression Test**
		RTTM Based Test & Requirement Status Report	A list of all Requirements in-scope, mapped to test stage test cases and MHHS Market Roles, with a summation status for all Cohorts and individual Role based status for Central Participants and Qualifying Participants	**As above**
		N/A Tests	A list of all tests that were set to N/A for the Qualifying Participant (or Delegated 3rd Party), with the reason and associated Dispensation Defect ID	**As above**
		Test Passed with Observations or Workarounds	A list of all tests that were 'Passed with Observations' or 'Passed with Workarounds' by the Qualifying Participant (or Delegated 3rd Party)	**Yes, if there are any new clean runs, or new Observations / Work Arounds**
		Defects Extract	A list of all defects raised and resolved by SIT Participants, including the status of the defect at the end of the stage	**This section will be updated following the results of SIT-A Settlement Test or Regression Test**

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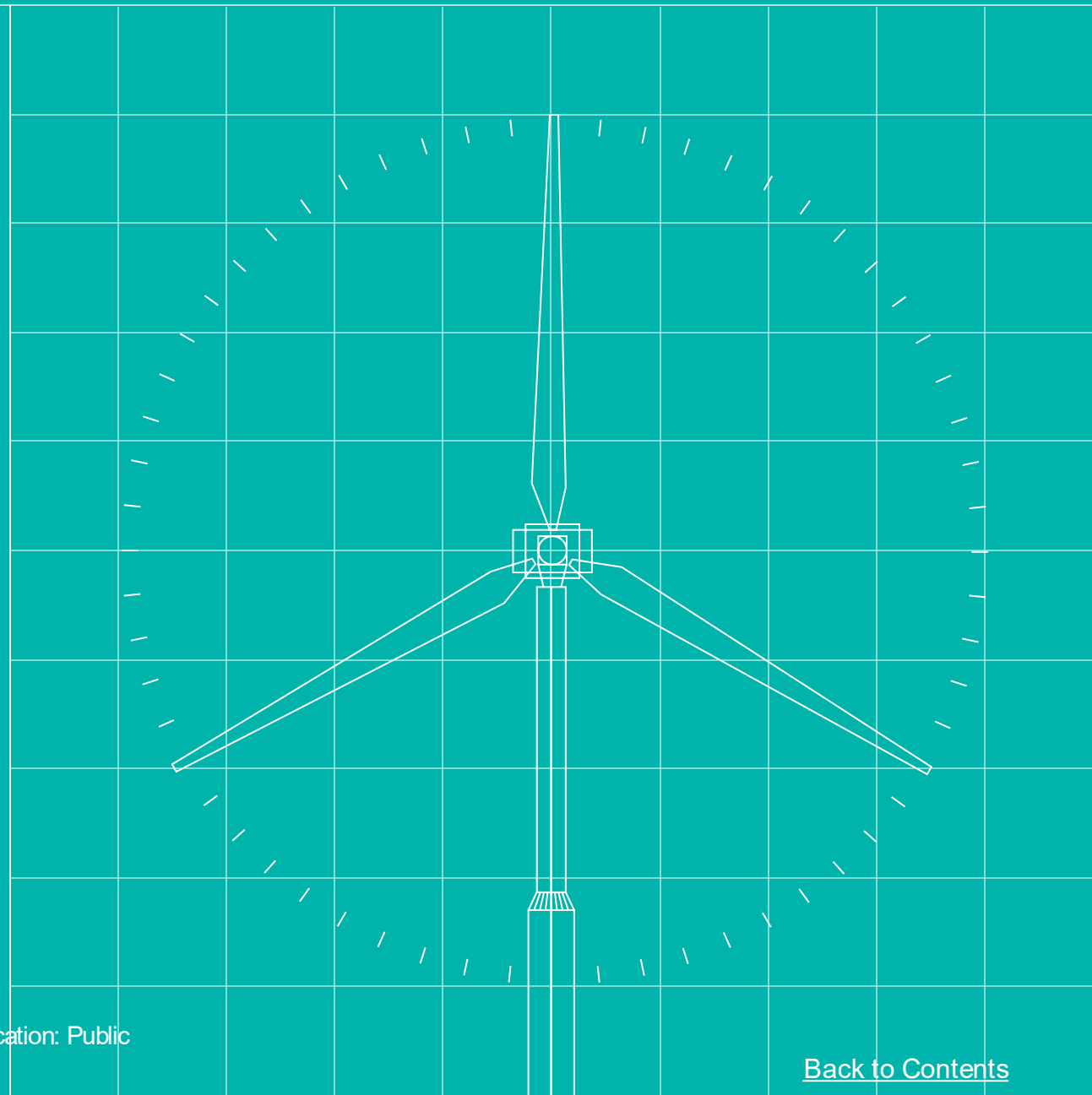
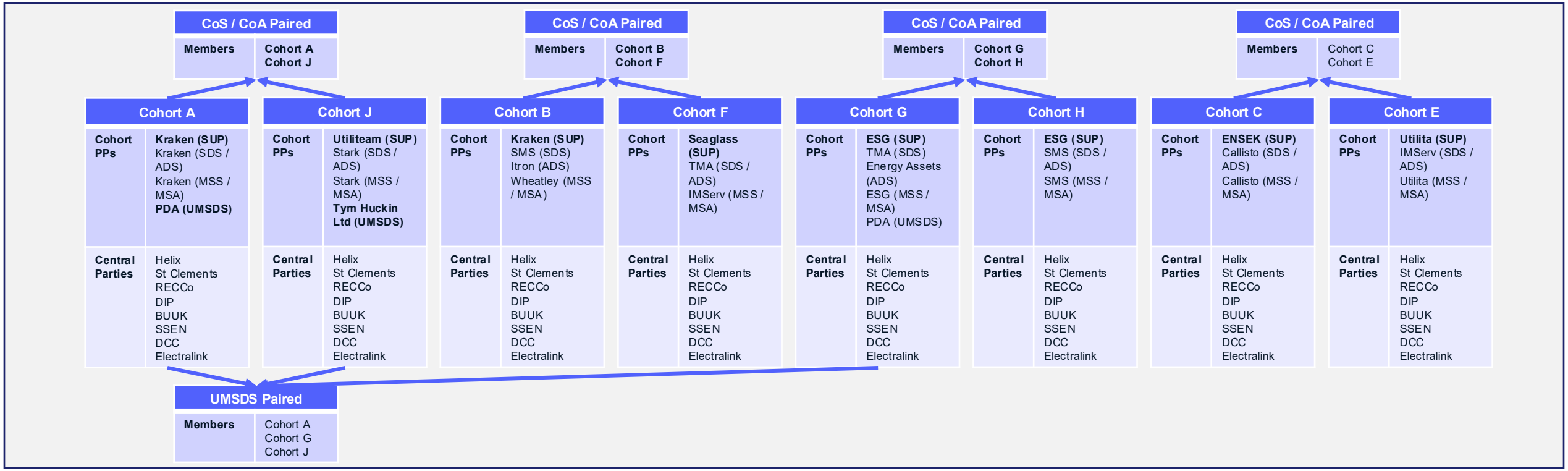
Section 1:
SIT Participants, Market Roles and Cohort Membership



SIT Functional & Migration – Cohort Testing

- Testing was undertaken by establishing 8 Main 'Cohorts' each comprising the MHHS Market Roles required to exercise the design, E2E business processes and central systems within in the new MHHS arrangements
- Each Cohort comprised of a SIT Participant acting in each of the MHHS supplier and data service roles (SUP, SDS, ADS, MSS, MSA and UMSDS)
- To enable Change of Agent and Change of Supplier theme tests, the main Cohorts were paired to enable E2E MPAN gaining and losing scenarios
- 3 Cohorts (A, G and J) service Unmetered sites in their production portfolios and therefore included Unmetered test cases in scope. A Paired Cohort was also established for these Cohorts to carry out gaining and losing scenarios and specifically exercise the UMSDS test participant requirements
- Central Parties (Helix, RECCo, DIP, DCC and Electralink) were members of each Cohort, with their MHHS requirements, designs and development being exercised by the testing of each of the 'Main' and 'Paired' Cohorts E2E tests
- 2 LDSO parties (SSEN & BUUK) were also 'Core Provider' members of each Cohort operating in the LDSO, UMSO and REGS roles (the latter via St Clements / MPRS). Again, with their MHHS requirements, designs and development being exercised by the testing of each of the 'Main' and 'Paired' Cohort tests



SIT Functional & Migration - Qualifying Participants, Roles and associated Testing Participants (1 of 2)

25 Electricity Industry Participants are supporting their MHHS Market Role Code Body Qualification via the MHHS SIT phase.

In some cases, the Qualifying Party (QP) organisation has undertaken that testing themselves, but others have elected to adopt the 'MHHS Placing Reliance Policy' [REF-05] which enables them to delegate some, or all, of their testing responsibility to a 3rd Party organisation to execute on their behalf.

The following table (over 2 pages) identifies; each Qualifying Participant, which roles they are Qualifying via the SIT Functional & Migration stages, whether they have delegated testing to a 3rd Party for that role, and which 'Testing Participant Organisation' executed the testing (within which Cohort(s)).

Please note that in some cases 'Testing Party Organisations' may have operated in multiple Market Roles and / or multiple Cohorts.

Qualifying Party (QP)	MHHS Market Roles	Cohort(s)	Testing Delegated to 3rd Party?	Testing Participant Organisation
British Gas (TILL)	SUP	Cohort C	Yes	ENSEK
British Gas (BGAS)	MSS	Cohort C	Yes	Callisto
British Gas (BGAS)	MSA	Cohort C	Yes	Callisto
Callisto (ACCU)	SDS	Cohort C	No	Callisto
Callisto (MDSL)	ADS	Cohort C	No	Callisto
E (EGDX)	SUP	Cohort G	Yes	ESG
E (EGDX)	SUP	Cohort H	Yes	ESG
E.ON NEXT (EOND)	SUP	Cohort B	Yes	Kraken
Edgware (EDGE)	SUP	Cohort J	Yes	Utiliteam
EDF (LOND)	MSA	Cohort G	Yes	ESG
OVO Energy Limited (IHTL)	MSS	Cohort G	Yes	ESG
Energy Assets (BMET)	MSS	Cohort G	Yes	ESG
Energy Assets (BMET)	MSA	Cohort G	Yes	ESG
Energy Assets (EAHH)	ADS	Cohort G	No	Energy Assets
IMServ Europe Ltd. (UKDC)	ADS	Cohort E	No	IMServ
IMServ Europe Ltd. (UKDC)	SDS	Cohort E	No	IMServ
IMServ Europe Ltd. (UKDC)	MSS	Cohort F	No	IMServ
IMServ Europe Ltd. (UKDC)	MSA	Cohort F	No	IMServ
Octopus Energy Limited (MRCY)	SUP	Cohort A	Yes	Kraken
Octopus Energy Services Ltd (OESL)	MSS	Cohort A	Yes	Kraken
Octopus Energy Services Ltd (OESL)	MSA	Cohort A	Yes	Kraken
KRAKEN TECHNOLOGIES LIMITED (KTDS)	ADS	Cohort A	No	Kraken
KRAKEN TECHNOLOGIES LIMITED (KTDS)	SDS	Cohort A	No	Kraken

SIT Functional & Migration - Qualifying Participants, Roles and associated Testing Participants (2 of 2)

Qualifying Party	MHHS Market Roles	Cohort(s)	Testing Delegated to 3rd Party?	Testing Participant Organisation
nPower Business Solutions (NATP)	ADS	Cohort B	Yes	Itron
nPower Business Solutions (NATP)	MSA	Cohort B	Yes	Wheatley
Itron (ITAD)	ADS	Cohort B	No	Itron
E.on UK Energy Services Ltd (EMEB & MIDE)	MSS	Cohort B	Yes	Wheatley
Power Data Associates Ltd (PDAL)	UMSDS	Cohort A	No	PDA
Power Data Associates Ltd (PDAL)	UMSDS	Cohort G	No	PDA
SMS Energy Services Ltd (UPLD)	SDS	Cohort B	No	SMS
SMS Energy Services Ltd (UPLD)	ADS	Cohort H	No	SMS
SMS Energy Services Ltd (UPLD)	SDS	Cohort H	No	SMS
SMS Energy Services Ltd (UPLD)	MSS	Cohort H	No	SMS
SMS Energy Services Ltd (UPLD)	MSA	Cohort H	No	SMS
Stark Connect Ltd (SWEB)	MSS	Cohort J	No	Stark
Stark Connect Ltd (SWEB)	MSA	Cohort J	No	Stark
Stark Software International Ltd (SSIL)	ADS	Cohort J	No	Stark
Stark Software International Ltd (SSIL)	SDS	Cohort J	No	Stark
TMA (UDMS)	ADS	Cohort F	No	TMA
TMA (UDMS)	SDS	Cohort F	No	TMA
TMA (UDMS)	SDS	Cohort G	No	TMA
Tym Huckin Ltd (ICTL)	UMSDS	Cohort J	No	Tym Huckin
Unify (TLWD)	SUP	Cohort F	Yes	Seaglass
Utilita Energy Limited (GETW)	SUP	Cohort E	No	Utilita
Utilita Energy Limited (UMOL)	MSS	Cohort E	No	Utilita
Utilita Energy Limited (UMOL)	MSA	Cohort E	No	Utilita
SSEN (SOUT)	REGS	All	Yes	St Clements
SSEN (SOUT)	LDSO	All	No	SSEN
SSEN (SOUT)	UMSO	All	No	SSEN
BUUK (ETCL)	REGS	All	Yes	St Clements
BUUK (ETCL)	LDSO	All	Yes	C&C
BUUK (ETCL)	UMSO	All	Yes	C&C

SIT Functional & Migration - Main / Paired Cohort ‘Testing Participant Organisation’ Membership (1 of 4)

The following table (over 4 pages) details the 23 Cohort ‘Testing Participant Organisations’ and their Cohort membership (grouped by Cohort Pairing).

The table identifies; DIP Role Code, DIP Participant ID, Market Participant ID, and Market Participant Role Code which was used in the SIT Test Environment.

Note that in some cases 'Testing Participant Organisations' may have operated in multiple Market Roles and / or multiple Cohorts.

Cohort / CP	DIP_Role_Code	Market_Participant_Id	Market_Participant_Role_Code	Testing Participant Organisation
Cohort A	ADS	KTDS	O	Kraken
Cohort A	SDS	KTDS	N	Kraken
Cohort A	SUP	MRCY	X	Kraken
Cohort A	MSS	OESL	S	Kraken
Cohort A	MSA	OESL	T	Kraken
Cohort A	UMSDS	PDAL	Q	PDA
Cohort J	SUP	EDGE	X	Utiliteam
Cohort J	MSS	SWEB	S	Stark
Cohort J	MSA	SWEB	T	Stark
Cohort J	ADS	SSIL	O	Stark
Cohort J	SDS	SSIL	N	Stark
Cohort J	UMSDS	ICTL	Q	Tym Huckin
Core Provider	REGS	ETCL	P	St Clements
Core Provider	LDSO	ETCL	R	C&C
Core Provider	UMSO	ETCL	3	C&C
Central Party	EES	ECOE	L	RECCo / C&C
Central Party	DSP	N/A	N/A	DCC
Central Party	CSS	N/A	N/A	DCC
Central Party	MDS	EMDS	G	Helix
Central Party	LSS	ELSS	G	Helix
Central Party	VAS	EVAS	G	Helix
Central Party	DIP	N/A	N/A	Avanade
Core Provider	REGS	SOUT	P	St Clements
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

SIT Functional & Migration - Main / Paired Cohort 'Testing Participant Organisation' Membership (2 of 4)

Cohort / CP	DIP_Role_Code	Market_Participant_Id	Market_Participant_Role_Code	Testing Participant Organisation
Cohort B	SUP	MRCY	X	Kraken
Cohort B	MSS	EMEB	S	Wheatley
Cohort B	ADS	NATP	O	Itron
Cohort B	MSA	NATP	T	Wheatley
Cohort B	SDS	UPLD	N	SMS
Cohort F	MSS	UKDC	S	IMServ
Cohort F	MSA	UKDC	T	IMServ
Cohort F	ADS	UDMS	O	TMA
Cohort F	SDS	UDMS	N	TMA
Cohort F	SUP	TLWD	X	Seaglass
Core Provider	REGS	ETCL	P	St Clements
Core Provider	LDSO	ETCL	R	C&C
Core Provider	UMSO	ETCL	3	C&C
Central Party	EES	ECOE	L	RECCo / C&C
Central Party	DSP	N/A	N/A	DCC
Central Party	CSS	N/A	N/A	DCC
Central Party	MDS	EMDS	G	Helix
Central Party	LSS	ELSS	G	Helix
Central Party	VAS	EVAS	G	Helix
Central Party	DIP	N/A	N/A	Avanade
Core Provider	REGS	SOUT	P	St Clements
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

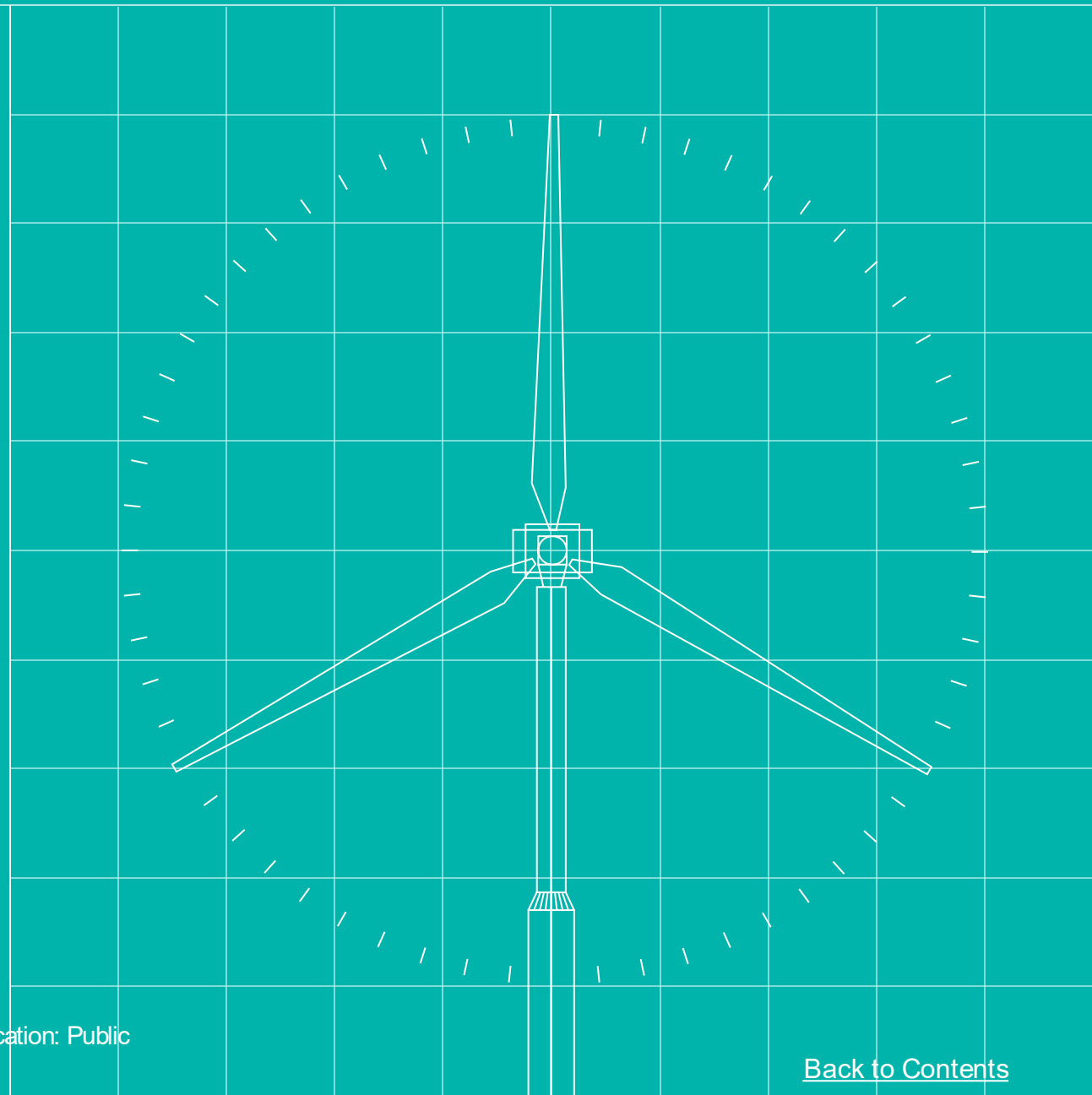
SIT Functional & Migration - Main / Paired Cohort 'Testing Participant Organisation' Membership (3 of 4)

Cohort / CP	DIP_Role_Code	Market_Participant_Id	Market_Participant_Role_Code	Testing Participant Organisation
Cohort C	MSS	BGAS	S	Callisto
Cohort C	MSA	BGAS	T	Callisto
Cohort C	SUP	TILL	X	ENSEK
Cohort C	SDS	ACCU	N	Callisto
Cohort C	ADS	MDSL	O	Callisto
Cohort E	ADS	UKDC	O	IMServ
Cohort E	SDS	UKDC	N	IMServ
Cohort E	SUP	GETW	X	Utilita
Cohort E	MSS	UMOL	S	Utilita
Cohort E	MSA	UMOL	T	Utilita
Core Provider	REGS	ETCL	P	St Clements
Core Provider	LDSO	ETCL	R	C&C
Core Provider	UMSO	ETCL	3	C&C
Central Party	EES	ECOE	L	RECCo / C&C
Central Party	DSP	N/A	N/A	DCC
Central Party	CSS	N/A	N/A	DCC
Central Party	MDS	EMDS	G	Helix
Central Party	LSS	ELSS	G	Helix
Central Party	VAS	EVAS	G	Helix
Central Party	DIP	N/A	N/A	Avanade
Core Provider	REGS	SOUT	P	St Clements
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

SIT Functional & Migration - Main / Paired Cohort 'Testing Participant Organisation' Membership (4 of 4)

Cohort / CP	DIP_Role_Code	Market_Participant_Id	Market_Participant_Role_Code	Testing Participant Organisation
Cohort G	SUP	CILI	X	ESG
Cohort G	MSS	IHTL	S	ESG
Cohort G	MSA	BMET	T	ESG
Cohort G	ADS	EAHH	O	Energy Assets
Cohort G	UMSDS	PDAL	Q	PDA
Cohort G	SDS	UDMS	N	TMA
Cohort H	SUP	EGDX	X	ESG
Cohort H	ADS	UPLD	O	SMS
Cohort H	SDS	UPLD	N	SMS
Cohort H	MSS	UPLD	S	SMS
Cohort H	MSA	UPLD	T	SMS
Core Provider	REGS	ETCL	P	St Clements
Core Provider	LDSO	ETCL	R	C&C
Core Provider	UMSO	ETCL	3	C&C
Central Party	EES	ECOE	L	RECCo / C&C
Central Party	DSP	N/A	N/A	DCC
Central Party	CSS	N/A	N/A	DCC
Central Party	MDS	EMDS	G	Helix
Central Party	LSS	ELSS	G	Helix
Central Party	VAS	EVAS	G	Helix
Central Party	DIP	N/A	N/A	Avanade
Core Provider	REGS	SOUT	P	St Clements
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

Section 2:
SIT Functional & Migration Test Scope



SIT Functional & Migration Test Scope

Detailed information on descoped tests (C1 onwards) available in the released version of : [REF-15] : ***MHHS-DEL3471 SIT Test Scope Traceability v1.3***

	A	B	C = A-B
SIT-Functional Themes	**Original Scope (+ New Tests)**	**Descope + Rationalised**	**Final Scope**
1 - New Connections	12	3	9
2 - Change of Registration	55	6	49
3 - Change of Supplier	23	2	21
4 - Change of Data	22	0	22
5 - Change of Metering	25	2	23
6 - Metering Changes	65	6	59
7 - Consumption	118	25	93
8 - Settlement	138	83	55
9 - ISD	41	30	11
Total	**499**	**157**	**342**

	A	B	C = A-B
SIT-Migration Themes	**Original Scope (+ New Tests)**	**Descope + Rationalised**	**Final Scope**
1 - New Connections	40	17	23
2 - Change of Registration	35	17	18
3 - Change of Supplier	18	5	13
Total	**93**	**39**	**54**

Optimisation – Born out of SIT RTTM reviews with Code Bodies to identify opportunities for efficiencies and potential deduplication

- Descoping Tests – Tests analysed to identify optimum phase suited for execution
- Rationalising Tests – Tests Analysed with a view to minimise test execution repetition

New Test Cases & Additions – During the SIT phase, there were instances / initiatives where the test scope had to be increased, via the inclusion of additional test cases. Each of these are documented in the Test Scope Traceability document [REF-15].

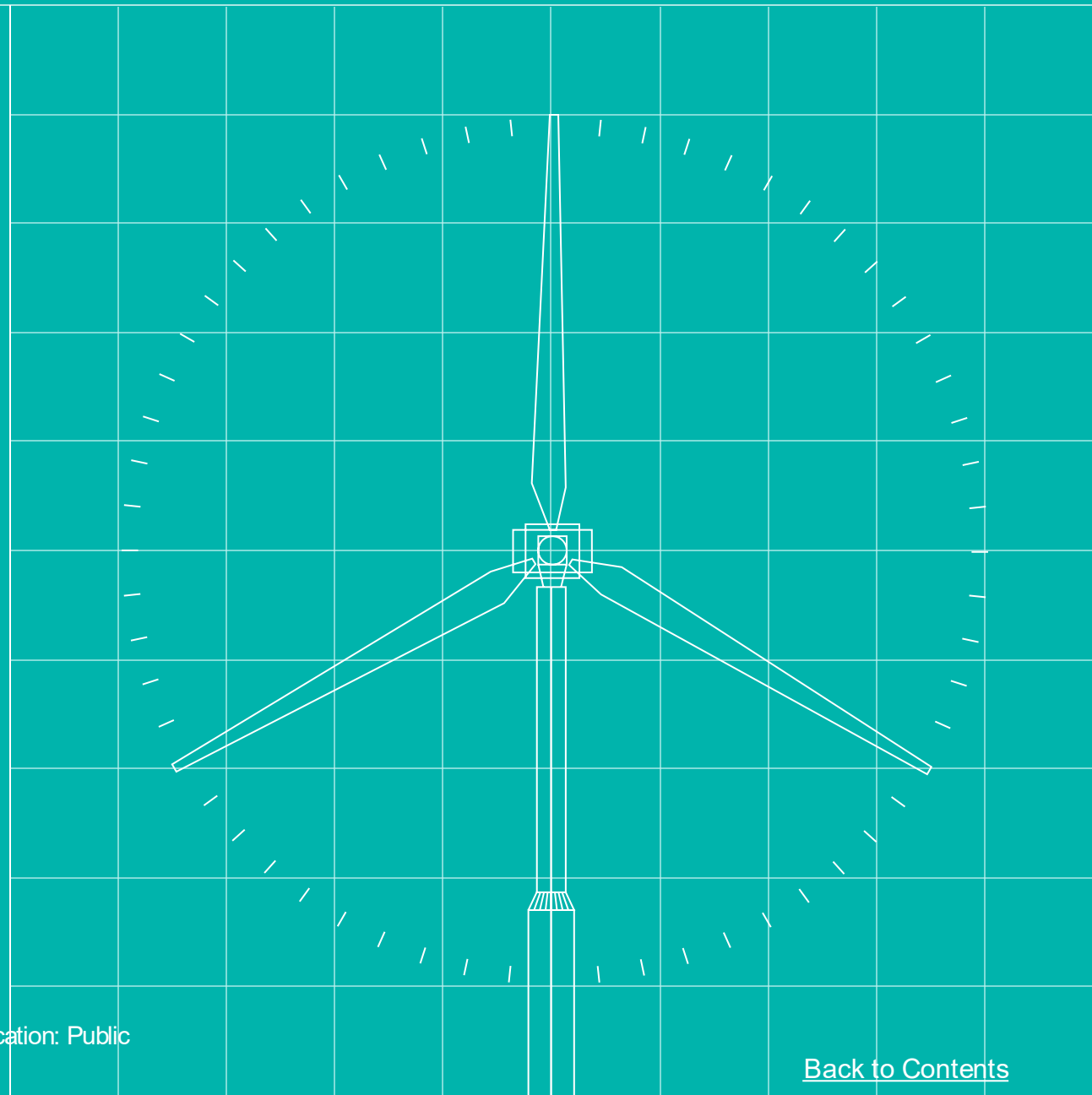
A RTTM Gap Analysis exercise was undertaken to review role-based access control requirements, identifying missing functional tests, and designing new or modifying existing test cases as appropriate, resulting in 30 test new cases, ensuring role-specific test coverage and mitigating any potential risk due to untested scenarios.

DCC, DIP, Electralink – Roles are used in some tests but do not have specific requirements themselves. Hence, these do not have mapped requirements.

Secondary Routing – Secondary Routing has been exercised in SIT by testing each combination of message and event type - so that the DIP has been proven to support each routing requirement set out in DES 138

Descoping MDR – Each test required a Smart meter to be installed and commissioned in the DCC Test Lab and it was agreed by consensus that running tests requiring connectivity to physical smart meters via DCC systems was not technically feasible.

Section 3:
SIT Functional & Migration Test & Requirements Status Summary



SIT Functional & Migration - Test & Requirements Status Summary

This section of the Exit Report focuses on SIT tests that were executed, and the outcome of those tests at the closure of Cycle 3, this focuses on the 2 aspects:

1. **Cohort & Paired Cohort Level Test Case Status** (SIT Functional & Migration)

2. **RTTM Based Participant Level Test Status** (Ordered by Functional then Migration), covering:
   a) Central Participants
   b) Qualifying Participants

The first sub-section (on the next 2 pages) summarises the status of E2E tests assigned and executed at a Cohort level, this is underpinned by the 'SIT F&M_Pass Status_TC' report tab within the 'Test & Defect Extract', where the reader should note the following:

1. Central Parties and Core Providers were members of each Cohort, and had their MHHS requirements, designs and interfaces exercised by the Cohort driven E2E test cases.

2. For Paired Cohort tests, each Cohort in the pairing needed to demonstrate they could successfully operate the business scenario as both the gaining and losing party. As such, each paired test was assigned to both Cohorts in the pair to act as the 'Initiator' (gaining party) in the scenario, so each of these paired test cases were run twice (i.e. Paired TC 1 x2 = Cohort 1 Initiator x 1, Cohort 2 Initiator x1). Each Paired Cohort test Pass was credited to the 'Initiator' Cohort in the pair.

3. Each test case within the **'SIT F&M_Pass Status_TC'** report tab is categorised by the applicable market segment in column M i.e; 'Smart', 'Traditional', 'Advanced' or 'Unmetered', noting that 'Unmetered' test cases were only in-scope and assigned to Cohorts A, G & J.

4. During the course of testing, some test cases were de-scoped, either due to Test Case defects, or following rationalisation of test cases. Where a Cohort had already Passed one of these TCs prior to the descope, the Pass remained recorded for the Cohort, where this is the case the Test Case row in the **'SIT F&M_Pass Status_TC'** tab has been marked 'Descoped' in Column S.

Will be updated when SIT-A Settlements & Regression Completes

SIT Functional & Migration Cycle 3 End - Cohort Status (as at Cycle 3 end)

SIT Functional Cycles 1 - 3 Status per Cohort (Inc Paired)

	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J
C1 Pass (IR5)	45	24	23	17	37	21	15	46
C2 Pass (IR7)	84	96	82	40	87	45	43	70
C3 Pass (IR8)	250	223	245	281	218	281	263	255
Req'd	0	0	0	0	0	0	0	0
Req'd (On Hold)	0	0	0	0	0	0	0	0
Internal Blocker	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0
TOTAL	**379**	**343**	**350**	**338**	**342**	**347**	**321**	**371**
% Pass	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
% Executed	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

SIT Migration Status per Cohort

	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J
C1 Pass (IR5)	0	0	0	0	0	0	0	0
C2 Pass (IR7)	27	31	11	12	35	16	26	14
C3 Pass (IR8)	29	27	41	39	25	39	28	38
Req'd	0	0	0	0	0	0	0	0
Req'd (On Hold)	0	0	0	0	0	0	0	0
Internal Blocker	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0
TOTAL	**56**	**58**	**52**	**51**	**60**	**55**	**54**	**52**
% Pass	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
% Executed	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

SIT Functional Tests still to be executed after Cycle 3 (therefore not included in the above SIT Functional status table):

- At the end of Cycle 3 the following Settlement SIT-A tests remained 'On Hold', to be executed after the SIT-A maintenance window (i.e. Post-Cycle 3)

Theme	Test Case Name	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J
8 – Settlement	ST0040 TC01 Settlement Before and After CoS, Trad Related	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**
8 – Settlement	ST0040 TC02 Settlement Before and After CoS, Smart Single	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**
8 – Settlement	ST0040 TC03 Settlement Before and After CoS, Adv Single	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**	**Req'd (On Hold)**
8 - Settlement	ST0040 TC04 Settlement Before and After CoS, Unmetered	**Req'd (On Hold)**	N/A	N/A	N/A	N/A	N/A	N/A	**Req'd (On Hold)**
8 – Settlement	ST0050 TC05 Off-Peak Advisory Smart E7	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Req'd (On Hold)**	**Pass (IR8)**
8 - Settlement	ST0050 TC07 LTV Advisory Expires Adv	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Pass (IR8)**	**Req'd (On Hold)**	**Pass (IR8)**

(See 'Test & Defect Extract' in the 'SIT F&M_Pass Status_TC' tab for details of Cohort Test Status)

Will be updated when SIT-A Settlements & Regression Completes

SIT Functional Test Cycle 3 End – Paired Cohort Status (as at Cycle 3 end)

	Main Cohort Tests								Main Cohort Tests											
	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J	Paired Cohort G & H (Initiator G)	Paired Cohort G & H (Initiator H)	Paired Cohort A, G & J (Initiator A)	Paired Cohort A, G & J (Initiator G)	Paired Cohort A, G & J (Initiator J)	Paired Cohort A & J (Initiator A)	Paired Cohort A & J (Initiator J)	Paired Cohort F & B (Initiator B)	Paired Cohort F & B (Initiator F)	Paired Cohort C & E (Initiator C)	Paired Cohort C & E (Initiator E)
C1 Pass (IR5)	43	23	23	17	36	21	15	44	0	0	1	0	0	1	0	0	1	0	0
C2 Pass (IR7)	73	79	76	34	70	34	36	59	3	4	2	2	2	6	1	4	13	2	4
C3 Pass (IR8)	115	95	107	143	90	151	139	120	63	61	2	3	3	67	63	67	61	71	67
Req'd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Req'd (On Hold)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Internal Blocker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**231**	**197**	**206**	**194**	**196**	**206**	**190**	**223**	**66**	**65**	**5**	**5**	**5**	**74**	**64**	**71**	**75**	**73**	**71**
% Pass	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
% Executed	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

SIT Functional Cycles 1 - 3 Status per Cohort (Inc Paired)

	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J
C1 Pass (IR5)	45	24	23	17	37	21	15	46
C2 Pass (IR7)	84	96	82	40	87	45	43	70
C3 Pass (IR8)	250	223	245	281	218	281	263	255
Req'd	0	0	0	0	0	0	0	0
Req'd (On Hold)	0	0	0	0	0	0	0	0
Internal Blocker	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0
TOTAL	**379**	**343**	**350**	**338**	**342**	**347**	**321**	**371**
TOTAL Passed	**379**	**343**	**350**	**338**	**342**	**347**	**321**	**371**
% Pass	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
% Executed	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Tests Remaining	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

(For Guidance on the calculations in the above tables see Appendix A)

SIT Functional Paired Test Guidance:

- For Paired Cohort tests, for Qualification purposes each Cohort in the pairing needed to demonstrate they could successfully operate the business scenario as both the gaining and losing party
- As such, each paired test was assigned to both Cohorts in the pair to act as the 'Initiator' (gaining party) in the scenario, so each of these paired test cases were run twice (i.e. Paired TC 1 x2 = Cohort 1 Initiator x 1, Cohort 2 Initiator x1)
- Each Paired Cohort test Passes were credited to the 'Initiator' Cohort.

(See 'Test & Defect Extract' in the 'SIT F&M_Pass Status_TC' tab for details of Cohort Test Status)

RTTM Based Participant Test Status Reporting

The SI Test Assurance team created and maintained a Requirements to Test Traceability Matrix (RTTM) spreadsheet artefact, this maps each MHHS SIT Functional and Migration requirement to each test case, and maps each Requirement / Test Case record to each MHHS market role which was required to demonstrate the requirement had been successfully met in SIT.

As there is a "many-to-many" relationship of requirements and test cases, and in a lot of cases multiple MHHS Market roles mapped to certain requirements, this is a very large mapping table (9,833 rows) in the **'RTTM (1) Test & Req Status'** report tab within the 'Test & Defect Extract'.

The **'RTTM (1) Test & Req Status'** report tab, includes columns recording the end of Cycle 3 test status for:

a) All Cohorts

b) Central Parties mapped to requirements in the RTTM

c) Qualifying Participants (with Qualifying Roles, Test Participant Organisations and Cohort Membership identified)

Test / Requirement status is recorded in the **'RTTM (1) Test & Req Status'** report tab for each Participant, as follows:

a) 'Passed', 'Failed', 'Blocked', 'Not Run'

b) 'Optional'

c) Req'd (On-Hold – Settlement SIT-A)

This sub-section of the Exit Report summarises the RTTM Unique Test / Requirement status for each Central Party and Qualifying Party, and also reports on the following exceptions where applicable to the participant (these are reported on by SIT Functional then Migration):

a) Unique Test cases that were not executed (either due to deferral to SIT-A Settlements, tests deemed Optional, or N/A test due to a permitted Dispensation)

b) Unique Requirements mapped to the participant roles were not demonstrated as Met and the associated SI Test Assurance status

Note on Central Party (CP) RTTM Mappings – role-based requirements were not individually stipulated for the DIP, DCC and Electralink within the MHHS Design and therefore mappings for these CPs are not included in the RTTM, however these CPs are critical to the MHHS E2E Business process flows and so were involved in E2E test cases. Consequently the determination of whether these CPs have met the SIT Exit Criteria is based on a combination of the outcomes from Cohort testing and the defect position specific to these CP resolvers.

SIT Functional RTTM Test & Requirements Status – Central Parties (as at Cycle 3 end)

Central Party Test & Requirement Reporting

The table below provides a status summary of the unique tests associated with the Central Participants via SIT:

		SIT Functional Test Case Status (Cycles 1, 2 & 3 End)							% Passed (C1, 2 & 3)	Still Req'd - On Hold (Settlement SIT-A)**	Total Tests Required to Complete SIT Stage	% Executed (SIT F Exit)	% Passed (SIT F Exit)
Participant (MHHS Market Roles)	SIT Test Participant(s)	N/A (Optional)	Not Run	Paused	Blocked	Failed	Passed	Total*					
RECCo (EES)	RECCo						145	145	100%		145	100%	100%
Elexon (MDS, LSS, VAS, ECS, ISD)	Elexon Helix	7					96	96	100%	4	100	96%	96%
DCC (DSP / CSS)	DCC							0			0		
DIP	Avanade							0			0		
Electralink	Electralink							0			0		

**Total Number of Tests for Market Role(s) mapped in the RTTM (note that DCC, DIP and Electralink were not mapped to tests in the RTTM)*

***Tests required for SIT Exit but not in-scope during SIT Functional Cycles 1, 2 & 3*

Unique Test Case pivot table reports - see the 'UniqueTCStatus(RECCo)' and 'UniqueTCStatus(ElexonHelix)' tabs in the 'Test & Defect Extract'

The table below provides a status summary of the unique requirement coverage associated with the Central Participants in SIT:

		SIT Functional Requirement Status (Cycles 1, 2 & 3 End)					% Passed (C1, 2 & 3)
Participant (MHHS Market Roles)	SIT Test Participant(s)	Not Tested	Blocked	Failed	Passed	Total Reqs*	
RECCo (EES)	RECCo				4	4	100%
Elexon (MDS, LSS, VAS, ECS, ISD)	Elexon Helix	1			151	152	99%
DCC (DSP / CSS)	DCC					0	
DIP	Avanade					0	
Electralink	Electralink					0	

**Total Number of Requirements for Market Role(s) mapped in the RTTM (note that DCC, DIP and Electralink were not mapped to Requirements in the RTTM)*

Unique Requirement pivot table reports - see the 'UniqueReqStatus(RECCo)' and 'UniqueReqStatus(ElexonHelix)' tabs in the 'Test & Defect Extract'

Exceptions: See Next Page

(See 'Test & Defect Extract' for details of RTTM Test Status & Requirements Coverage)

SIT Functional RTTM Test & Requirements Coverage Exceptions – Central Parties (as at Cycle 3 end)

Optional Test Cases (Not Executed)

The following test cases were deemed 'Optional' for Cohorts and were not executed by any during SIT Functional:

Market Role	TEST CASE NAME
Helix	ST0012 TC02 Advanced to Advanced Meter Exchange
Helix	ST0012 TC04 Traditional to Smart Meter Exchange using Back Stop Reading
Helix	ST0031 TC02 MDS DDE Reporting, Smart and Unmetered
Helix	ST0090 TC02 New Connection Smart Linked AC
Helix	ST0090 TC03 New Connection Advanced Single AC
Helix	ST0090 TC04 Energised Smart Single AC
Helix	ST0090 TC05 Energised Advanced Single AC

(See 'Test & Defect Extract' for details)

Requirement Exceptions

The following two requirements were unable to be tested by this Participant as the associated test had been 'Optional' and were not executed by any Cohort:

Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason
HELIX	MHHSP-BRS013-MDS DDE-06-HE	8 - Settlement	ST0031 TC02 MDS DDE Reporting, Smart and Unmetered	TC Deemed 'Optional'

SI Test Assurance Commentary

DDE events are rare and, when they do occur, are almost exclusively associated with Advanced meters. Therefore, a risk-based approach was taken, and test case ST0031 TC02 was deemed not required. Since the calculation process remains consistent across all market segment types, ST0031 TC01 (for Advanced meters) sufficiently covers the required functionality. As a result, ST0031 TC02 was made optional.

This approach was discussed and agreed upon from a governance perspective at both SITWG and SITAG.

(See 'Test & Defect Extract' for Details & Requirement Coverage)

SIT Functional RTTM Test Coverage Status – Qualification Participants 1 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Test Status (1 of 2)

The table below provide a status summary of the unique tests associated with the Qualification Participants via SIT:

		SIT Functional Test Case Status (Cycles 1, 2 & 3 End)										
Participant (MHHS Market Roles)	SIT Test Participant(s)	N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total*	% Passed (C1, 2 & 3)	Still Req'd - On Hold (Settlement SIT-A)**	Total Tests Required to Complete SIT Stage	% Executed (SIT F Exit)	% Passed (SIT F Exit)
British Gas (SUP)	ENSEK						241	241	100%		241	100%	100%
British Gas (MSS)	Callisto						92	92	100%		92	100%	100%
British Gas (MSA)	Callisto						56	56	100%		56	100%	100%
Callisto (SDS)	Callisto	2					134	134	100%	1	135	99%	99%
Callisto (ADS)	Callisto	1					111	111	100%	1	112	99%	99%
E (SUP)	ESG	10					231	231	100%		231	100%	100%
E.ON NEXT (SUP)	KRAKEN						242	242	100%		242	100%	100%
Edgware (SUP)	Utiliteam	11					230	230	100%		230	100%	100%
EDF (MSA)	ESG	4					52	52	100%		52	100%	100%
Ovo Energy Limited (MSS)	ESG	5					87	87	100%		87	100%	100%
Energy Assets (MSS)	ESG	5					87	87	100%		87	100%	100%
Energy Assets (MSA)	ESG	4					52	52	100%		52	100%	100%
Energy Assets (ADS)	Energy Assets	2					110	110	100%	1	111	99%	99%
IMServ (ADS)	IMServ	2					110	110	100%	1	111	99%	99%
IMServ (SDS)	IMServ	5					131	131	100%	1	132	99%	99%
IMServ (MSS)	IMServ	3					90	90	100%		90	100%	100%
IMServ (MSA)	IMServ	2					54	54	100%		54	100%	100%
Octopus Energy Limited (SUP)	KRAKEN	1					241	241	100%		241	100%	100%
Octopus Energy Services Ltd (MSS)	KRAKEN	1					92	92	100%		92	100%	100%
Octopus Energy Services Ltd (MSA)	KRAKEN	1					55	55	100%		55	100%	100%
KRAKEN (ADS)	KRAKEN	1					111	111	100%	1	112	99%	99%
KRAKEN (SDS)	KRAKEN	1					136	136	100%	1	137	99%	99%

**Total Number of Tests for Market Role(s) being Qualified via SIT (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)*

***Tests required for SIT Exit but not in-scope during SIT Functional Cycles 1, 2 & 3*

Test Case Exceptions (Test Cases set to N/A) - in circumstances where for valid reasons a Participant is unable to execute an assigned test case, the SIT Defect Management policy allows for a 'Dispensation' defect to be raised declaring the reasons why. Upon programme approval, the Cohort is permitted to set the test case to N/A.

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Functional RTTM Test Coverage Status – Qualification Participants 2 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Test Status (2 of 2)

The table below provide a status summary of the unique tests associated with the Qualification Participants via SIT:

		SIT Functional Test Case Status (Cycles 1, 2 & 3 End)											
Participant (MHHS Market Roles)	SIT Test Participant(s)	N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total*	% Passed (C1, 2 & 3)	Still Req'd - On Hold (Settlement SIT-A)**	Total Tests Required to Complete SIT Stage	% Executed (SIT F Exit)	% Passed (SIT F Exit)
nPower Business Solutions (ADS)	Itron	1					111	111	100%	1	112	99%	99%
nPower Business Solutions (MSA)	Wheatley	2					54	54	100%		54	100%	100%
Itron (ADS)	Itron	1					111	111	100%	1	112	99%	99%
E.on UK Energy Services (MSS)	Wheatley	2					91	91	100%		91	100%	100%
Power Data Associates (UMSDS)	Power Data Associates	2					36	36	100%		36	100%	100%
SMS (ADS)	SMS						111	111	100%	2	113	98%	98%
SMS (SDS)	SMS						137	137	100%	1	138	99%	99%
SMS (MSS)	SMS		1				92	93	99%		93	99%	99%
SMS (MSA)	SMS						56	56	100%		56	100%	100%
Stark Connect Ltd (MSS)	Stark	3					89	89	100%		89	100%	100%
Stark Connect Ltd (MSA)	Stark						56	56	100%		56	100%	100%
Stark Software International Ltd (ADS)	Stark						112	112	100%	1	113	99%	99%
Stark Software International Ltd (SDS)	Stark	3					133	133	100%	1	134	99%	99%
TMA (ADS)	TMA	2					110	110	100%	1	111	99%	99%
TMA (SDS)	TMA	2					135	135	100%	1	136	99%	99%
Tym Huckin (UMSDS)	Tym Huckin						38	38	100%		38	100%	100%
Unify (SUP)	Seaglass						242	242	100%		242	100%	100%
Utilita (SUP)	Utilita						241	241	100%		241	100%	100%
Utilita (MSS)	Utilita						92	92	100%		92	100%	100%
Utilita (MSA)	Utilita						56	56	100%		56	100%	100%
SSEN (LDSO)	SSEN						151	151	100%		151	100%	100%
SSEN (UMSO)	SSEN	1					29	29	100%		29	100%	100%
SSEN (REGS)	St Clements	1					173	173	100%		173	100%	100%
BUUK (LDSO)	C&C	1					150	150	100%		150	100%	100%
BUUK (UMSO)	C&C	2					28	28	100%		28	100%	100%
BUUK (REGS)	St Clements	2					172	172	100%		172	100%	100%

**Total Number of Tests for Market Role(s) being Qualified via SIT (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)*

***Tests required for SIT Exit but not in-scope during SIT Functional Cycles 1, 2 & 3*

Test Case Exceptions (Test Cases set to N/A) - in circumstances where for valid reasons a Participant is unable to execute an assigned test case, the SIT Defect Management policy allows for a 'Dispensation' defect to be raised declaring the reasons why. Upon programme approval, the Cohort is permitted to set the test case to N/A.

((See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Functional RTTM Requirements Coverage Status – Qualification Participants 1 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Requirement Coverage Status (1 of 2)

The table below provides a status summary of the unique requirement coverage associated with the Qualification Participants in SIT:

		SIT Functional Requirement Status (Cycles 1, 2 & 3 End)					% Passed (C1, 2 & 3)
Participant (MHHS Market Roles)	SIT Test Participant(s)	Not Tested	Blocked	Failed	Passed	Total Reqs*	
British Gas (SUP)	ENSEK				154	154	100%
British Gas (MSS)	Callisto				74	74	100%
British Gas (MSA)	Callisto				74	74	100%
Callisto (SDS)	Callisto	1			114	115	99%
Callisto (ADS)	Callisto	1			105	106	99%
E (SUP)	ESG				154	154	100%
E.ON NEXT (SUP)	KRAKEN				154	154	100%
Edgware (SUP)	Utiliteam	2			152	154	99%
EDF (MSA)	ESG	2			72	74	97%
Ovo Energy Limited (MSS)	ESG				74	74	100%
Energy Assets (MSS)	ESG				74	74	100%
Energy Assets (MSA)	ESG	2			72	74	97%
Energy Assets (ADS)	Energy Assets				106	106	100%
IMServ (ADS)	IMServ	1			106	107	99%
IMServ (SDS)	IMServ	1			114	115	99%
IMServ (MSS)	IMServ				74	74	100%
IMServ (MSA)	IMServ				74	74	100%
Octopus Energy Limited (SUP)	KRAKEN				154	154	100%
Octopus Energy Services Ltd (MSS)	KRAKEN	1			73	74	99%
Octopus Energy Services Ltd (MSA)	KRAKEN				74	74	100%
KRAKEN (ADS)	KRAKEN	1			105	106	99%
KRAKEN (SDS)	KRAKEN				115	115	100%

**Total Number of Requirements for Market Role being Qualified via SIT*

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Functional RTTM Requirements Coverage Status – Qualification Participants 2 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Requirement Coverage Status (2 of 2)

The table below provides a status summary of the unique requirement coverage associated with the Qualification Participants in SIT:

		SIT Functional Requirement Status (Cycles 1, 2 & 3 End)					% Passed (C1, 2 & 3)
Participant (MHHS Market Roles)	**SIT Test Participant(s)**	**Not Tested**	**Blocked**	**Failed**	**Passed**	**Total Reqs***	
nPower Business Solutions (ADS)	Itron				106	**106**	100%
nPower Business Solutions (MSA)	Wheatley				74	**74**	100%
Itron (ADS)	Itron				106	**106**	100%
E.on UK Energy Services (MSS)	Wheatley				74	**74**	100%
Power Data Associates (UMSDS)	Power Data Associates	1			50	**51**	98%
SMS (ADS)	SMS	1			105	**106**	99%
SMS (SDS)	SMS				115	**115**	100%
SMS (MSS)	SMS				74	**74**	100%
SMS (MSA)	SMS				74	**74**	100%
Stark Connect Ltd (MSS)	Stark				74	**74**	100%
Stark Connect Ltd (MSA)	Stark				74	**74**	100%
Stark Software International Ltd (ADS)	Stark				106	**106**	100%
Stark Software International Ltd (SDS)	Stark				115	**115**	100%
TMA (ADS)	TMA	1			105	**106**	99%
TMA (SDS)	TMA	2			113	**115**	98%
Tym Huckin (UMSDS)	Tym Huckin				51	**51**	100%
Unify (SUP)	Seaglass				154	**154**	100%
Utilita (SUP)	Utilita				154	**154**	100%
Utilita (MSS)	Utilita				74	**74**	100%
Utilita (MSA)	Utilita				74	**74**	100%
SSEN (LDSO)	SSEN				64	**64**	100%
SSEN (UMSO)	SSEN	1			33	**34**	97%
SSEN (REGS)	St Clements				178	**178**	100%
BUUK (LDSO)	C&C				64	**64**	100%
BUUK (UMSO)	C&C	1			33	**34**	97%
BUUK (REGS)	St Clements				178	**178**	100%

Total Number of Requirements for Market Role being Qualified via SIT

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Functional RTTM Test Coverage Exceptions – Qualification Participants 1 of 3 (Cycle 3 end)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as 'Met' in SIT as the associated test had not been executed:

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
Callisto (ADS)	Callisto	ADS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-AD	4 - Change of Data	SITFTS-0160 TC04 Advanced Metered DS Rejection	N/A Dispensation	In both cases Callisto was not able to execute the associated test case as their systems don't support the negative scenario - SP011 - Insufficient Notice / Lead Time for Appointment to take effect. These requirements were not covered in any other test cases in scope for SIT, however, are not requirements to be met for qualification of these market roles (BSC Assessment Criteria for Qualification v3.2).
Callisto (SDS)	Callisto	SDS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-SD	4 - Change of Data	SITFTS-0160 TC03 Smart Metered DS Rejection	N/A Dispensation	
Edgware (SUP)	Utiliteam	SUP	MHHSP-BRS004-Supplier-BR-SU-033-SU	5 - Change of Metering	SITFTS-0200 TC02 Advanced	N/A Dispensation	The participant is not able to test the requirement as per the DES138 specifications for REG1025 validation rule failure due their in-house system validation rules which prevents such scenario from occurring (i.e. USP while they are not the current service provider).
Edgware (SUP)	Utiliteam			5 - Change of Metering	SITFTS-0200 TC01 Smart Metered	N/A Dispensation	
Edgware (SUP)	Utiliteam	SUP	MHHSP-BRS004-Supplier-BR-SU-108-SU	6 - Metering Changes	SITFTS-0880 TC04 Advanced Change Of Supply where no Meter Service is appointed leading to advisory notifications to be sent	N/A Dispensation	The declaration states that participant systems are unable to withhold the agent appointment process thus preventing the situation of Missing Service Provider. PIT RTTM references scenario UTISCE0460 (DBT2 scope) that receives PUB-045 with a subsequent IF-031 creation. Utiliteam has now provided evidence from their internal messaging system demonstrating successful receipt and processing of a PUB-045 advisory (NoDSAppointed). The message was logged with appropriate identifiers (SUR, PUB ID), confirming that the system consumed the notification as required.
EDF (MSA)	ESG	MSA	MHHSP-BRS002-Metering Service-BR-MS-015-AM	2 - Change of Registration	SITFTS-0100 TC05 Advanced Reject		The ESG system has controls and validations to prevent incorrect files being sent. This prevents the rejection of customer direct contracts. The declaration evidence supports this.
EDF (MSA)	ESG	MSA	MHHSP-BRS002-MSA-MSS-BR-MS-060-AM	6 - Metering Changes	SITFTS-0905 TC06 Advanced Meter Removal		The declaration states that participant system validation rules prevent incorrect meter change details from being submitted thus preventing REGS rejection. Declaration evidence supports this.
EDF (MSA)	ESG			6 - Metering Changes	SITFTS-0905 TC04 Advanced Install		
Energy Assets (MSA)	ESG	MSA	MHHSP-BRS002-Metering Service-BR-MS-015-AM	2 - Change of Registration	SITFTS-0100 TC05 Advanced Reject		The ESG system has controls and validations to prevent incorrect files being sent. This prevents the rejection of customer direct contracts. The declaration evidence supports this.
Energy Assets (MSA)	ESG	MSA	MHHSP-BRS002-MSA-MSS-BR-MS-060-AM	6 - Metering Changes	SITFTS-0905 TC06 Advanced Meter Removal		The declaration states that participant system validation rules prevent incorrect meter change details from being submitted thus preventing REGS rejection. Declaration evidence supports this.
Energy Assets (MSA)	ESG						

SIT Functional RTTM Test Coverage Exceptions – Qualification Participants 2 of 3 (Cycle 3 end)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as 'Met' in SIT as the associated test had not been executed:

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
IMServ (ADS	IMServ	ADS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-AD	4 - Change of Data	SITFTS-0160 TC04 Advanced Metered DS Rejection	N/A Dispensation	In both cases IMServ was not able to execute the associated test case as their systems don't support the negative scenario (SP011 - Insufficient Notice / Lead Time for Appointment to take effect). These requirements were not covered in any other test cases in scope for SIT, however, are not requirements to be met for qualification of these market roles (BSC Assessment Criteria for Qualification v3.2).
IMServ (SDS)	IMServ	SDS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-SD	4 - Change of Data	SITFTS-0160 TC03 Smart Metered DS Rejection	N/A Dispensation	
Octopus Energy Services Ltd (MSS)	KRAKEN	MSS	MHHSP-BRS002-Metering Service-BR-MS-003-SM	5 - Change of Metering	SITFTS-0110 TC05 Smart Metered MS Rejection	N/A Dispensation	As per the test, the participant is unable to generate the conditions of the requirement as their business rules state they do not plan to reject appointment requests based on (lack off) lead time. As part of the declaration, the participant has simulated an internal validation rule failure through an IF-033. However, to fulfil the requirement the PP could demonstrate the rejection using a different validation rule failure depending on their internal systems and prove the latter part of the requirement to delete any metering details when operationally practicable after the rejection. Further update from PP [03/06/2025] "This is to address the PIT Functional testing requirement ID BR-MS-003-SM around the retention of MTD data following rejected meter service appointments. As a meter service, we don't store meter technical details in a central database - if we needed any given meter technical details, we would replay the messages and extract the required data ad hoc, building the meter point in-memory. The object is discarded straight away, once the process ends. This means we're not storing any data in scenarios involving meter service appointment rejections and therefore don't hold any data which would otherwise require deleting."
KRAKEN (ADS)	KRAKEN	ADS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-AD	4 - Change of Data	SITFTS-0160 TC04 Advanced Metered DS Rejection	N/A Dispensation	Kraken was not able to execute the associated test case as their systems don't support the negative scenario - SP011 - Insufficient Notice / Lead Time for Appointment to take effect. This requirement was not covered in any other test cases in scope for SIT, however, is not a requirement to be met for qualification of this market role (BSC Assessment Criteria for Qualification v3.2).
Power Data Associates (UMSDS)	Power Data Associates	UMSDS	MHHSP-BRS001-Data Service-BR-DS-036-UD	2 - Change of Registration	SITFTS-0180 TC04 Unmetered Reject	N/A Dispensation	Dispensation details: System restricts rejection simulation of Direct Contract requests through IF-038. This requirement is satisfied by PIT evidence, test scenario PDA-SIT Test 19.
SMS (ADS)	SMS	ADS	MHHSP-BRS001-ADS-SDS-BR-DS-060-AD	8 - Settlement	ST0050 TC07 LTV Advisory Expires Adv	Deferred to SIT-A Settlements	Test case due to be executed in SIT-A Settlements SIT-A testing (post-Cycle 3)

SIT Functional RTTM Test Coverage Exceptions – Qualification Participants 3 of 3 (Cycle 3 end)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as 'Met' in SIT as the associated test had not been executed:

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
TMA (ADS	TMA	ADS	MHHSP-BRS001-Data Service-BR-DS-036-AD	2 - Change of Registration	SITFTS-0180 TC06 Advanced Reject	N/A Dispensation	The TMA system has controls to catch this issue before the messages are sent. The declaration evidence demonstrates from the log that the error condition has been handled.
TMA (SDS)	TMA	SDS	MHHSP-BRS001-ADS-SDS-BR-DS-008-1-SD	4 - Change of Data	SITFTS-0160 TC03 Smart Metered DS Rejection	N/A Dispensation	This requirement is not required for Qualification (as per BSC Assessment Criteria for Qualification v3.2)
TMA (SDS)	TMA	SDS	MHHSP-BRS001-Data Service-BR-DS-036-SD	2 - Change of Registration	SITFTS-0180 TC05 Smart Reject	N/A Dispensation	The TMA system has controls to catch this issue before the messages are sent. The declaration evidence demonstrates from the log that the error condition has been handled.
SSEN (UMSO)	SSEN	UMSO	MHHSP-BRS002-Metering Service-BR-MS-015-UM	2 - Change of Registration	SITFTS-0100 TC06 Unmetered Reject	N/A Dispensation	The UMSO service provided by each LDSO is a mandatory monopoly service that the LDSO must provide for all of their MPANs which are unmetered. There is no concept of directly customer appointed as only that LDSO can provide that service for their MPANs. As such no LDSO should be expected to utilise the direct customer contract functionality for MPANs operated by their UMSO. Thus, this requirement is not applicable to UMSO.
BUUK (UMSO)	BUUK	UMSO	MHHSP-BRS002-Metering Service-BR-MS-015-UM	2 - Change of Registration	SITFTS-0100 TC06 Unmetered Reject	N/A Dispensation	The UMSO service provided by each LDSO is a mandatory monopoly service that the LDSO must provide for all of their MPANs which are unmetered. There is no concept of directly customer appointed as only that LDSO can provide that service for their MPANs. As such no LDSO should be expected to utilise the direct customer contract functionality for MPANs operated by their UMSO. Thus, this requirement is not applicable to UMSO.

SIT Migration RTTM Test & Requirements Coverage Status – Central Parties (as at Cycle 3 end)

Central Party Test & Requirement Reporting

The table below provide a status summary of the unique test cases associated with the Central Participants via SIT:

Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Migration Test Case Status (Stage End)							% Passed
		N/A (Optional)	Not Run	Paused	Blocked	Failed	Passed	Total*	
RECCo (EES)	RECCo						47	**47**	100%
Elexon (MDS, LSS, VAS, ECS, ISD)	Elexon Helix						40	**40**	100%
DCC (DSP / CSS)	DCC							**0**	
DIP	Avanade							**0**	
Electralink	Electralink							**0**	

Total Number of Tests for Market Role(s) mapped in the RTTM (note that DCC, DIP and Electralink were not mapped to tests in the RTTM)

Unique Test Case pivot table reports - see the 'UniqueTCStatus(RECCo)' and 'UniqueTCStatus(ElexonHelix)' tabs in the 'Test & Defect Extract'

The table below provide a status summary of the unique requirements associated with the Central Participants in SIT:

Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Migration Requirement Status (Stage End)					% Passed
		Not Tested	Blocked	Failed	Passed	Total Reqs*	
RECCo (EES)	RECCo				6	**6**	100%
Elexon (MDS, LSS, VAS, ECS, ISD)	Elexon Helix				4	**4**	100%
DCC (DSP / CSS)	DCC					**0**	
DIP	Avanade					**0**	
Electralink	Electralink					**0**	

Total Number of Requirements for Market Role(s) mapped in the RTTM (note that DCC, DIP and Electralink were not mapped to Requirements in the RTTM)

Unique Requirement pivot table reports - see the 'UniqueReqStatus(RECCo)' and 'UniqueReqStatus(ElexonHelix)' tabs in the 'Test & Defect Extract'

Exceptions: None

(See 'Test & Defect Extract' for Details of RTTM Test Status & Requirements Coverage)

SIT Migration RTTM Test Coverage Status – Qualification Participants 1 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Test Status (1 of 2)

The table below provide a status summary of the unique tests associated with the Qualification Participants via SIT:

		SIT Migration Test Case Status (Stage End)							
Participant (MHHS Market Roles)	SIT Test Participant(s)	N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total*	% Passed
British Gas (SUP)	ENSEK						52	52	100%
British Gas (MSS)	Callisto							0	-
British Gas (MSA)	Callisto						5	5	100%
Callisto (SDS)	Callisto						19	19	100%
Callisto (ADS)	Callisto						2	2	100%
E (SUP)	ESG						52	52	100%
E.ON NEXT (SUP)	KRAKEN						52	52	100%
Edgware (SUP)	Utiliteam	2					52	52	100%
EDF (MSA)	ESG						5	5	100%
Ovo Energy Limited (MSS)	ESG							0	-
Energy Assets (MSS)	ESG							0	-
Energy Assets (MSA)	ESG						5	5	100%
Energy Assets (ADS)	Energy Assets						2	2	100%
IMServ (ADS)	IMServ						2	2	100%
IMServ (SDS)	IMServ						19	19	100%
IMServ (MSS)	IMServ							0	-
IMServ (MSA)	IMServ						5	5	100%
Octopus Energy Limited (SUP)	KRAKEN						52	52	100%
Octopus Energy Services Ltd (MSS)	KRAKEN							0	-
Octopus Energy Services Ltd (MSA)	KRAKEN						5	5	100%
KRAKEN (ADS)	KRAKEN						2	2	100%
KRAKEN (SDS)	KRAKEN						19	19	100%

**Total Number of Tests for Market Role being Qualified via SIT (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)*

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Migration RTTM Test Coverage Status – Qualification Participants 2 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Test Status (2 of 2)

The table below provide a status summary of the unique tests associated with the Qualification Participants via SIT:

		SIT Migration Test Case Status (Stage End)							
Participant (MHHS Market Roles)	SIT Test Participant(s)	N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total*	% Passed
nPower Business Solutions (ADS)	Itron						2	2	100%
nPower Business Solutions (MSA)	Wheatley						5	5	100%
Itron (ADS)	Itron						2	2	100%
E.on UK Energy Services (MSS)	Wheatley							0	-
Power Data Associates (UMSDS)	PDA						3	3	100%
SMS (ADS)	SMS						2	2	100%
SMS (SDS)	SMS						19	19	100%
SMS (MSS)	SMS							0	-
SMS (MSA)	SMS						5	5	100%
Stark Connect Ltd (MSS)	Stark							0	-
Stark Connect Ltd (MSA)	Stark						5	5	100%
Stark Software International Ltd (ADS)	Stark						2	2	100%
Stark Software International Ltd (SDS)	Stark						19	19	100%
TMA (ADS)	TMA						2	2	100%
TMA (SDS)	TMA						19	19	100%
Tym Huckin (UMSDS)	Tym Huckin						3	3	100%
Unify (SUP)	Seaglass	3					49	49	100%
Utilita (SUP)	Utilita						52	52	100%
Utilita (MSS)	Utilita							0	-
Utilita (MSA)	Utilita						5	5	100%
SSEN (LDSO)	SSEN						47	47	100%
SSEN (UMSO)	SSEN						3	3	100%
SSEN (REGS)	St Clements						52	52	100%
BUUK (LDSO)	C&C						47	47	100%
BUUK (UMSO)	C&C						3	3	100%
BUUK (REGS)	St Clements						52	52	100%

**Total Number of Tests for Market Role being Qualified via SIT (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)*

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Migration RTTM Requirements Coverage Status – Qualification Participants 1 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Requirement Coverage Status (1 of 2)

The table below provides a status summary of the unique requirement coverage associated with the Qualification Participants in SIT:

		SIT Migration Requirement Status (Stage End)					
Participant (MHHS Market Roles)	**SIT Test Participant(s)**	**Not Tested**	**Blocked**	**Failed**	**Passed**	**Total Reqs***	**% Passed**
British Gas (SUP)	ENSEK				41	**41**	100%
British Gas (MSS)	Callisto					**0**	-
British Gas (MSA)	Callisto				4	**4**	100%
Callisto (SDS)	Callisto				5	**5**	100%
Callisto (ADS)	Callisto				2	**2**	100%
E (SUP)	ESG				41	**41**	100%
E.ON NEXT (SUP)	KRAKEN				41	**41**	100%
Edgware (SUP)	Utiliteam				41	**41**	100%
EDF (MSA)	ESG				4	**4**	100%
Ovo Energy Limited (MSS)	ESG					**0**	-
Energy Assets (MSS)	ESG					**0**	-
Energy Assets (MSA)	ESG				4	**4**	100%
Energy Assets (ADS)	Energy Assets				2	**2**	100%
IMServ (ADS)	IMServ				2	**2**	100%
IMServ (SDS)	IMServ				5	**5**	100%
IMServ (MSS)	IMServ					**0**	-
IMServ (MSA)	IMServ				4	**4**	100%
Octopus Energy Limited (SUP)	KRAKEN				41	**41**	100%
Octopus Energy Services Ltd (MSS)	KRAKEN					**0**	-
Octopus Energy Services Ltd (MSA)	KRAKEN				4	**4**	100%
KRAKEN (ADS)	KRAKEN				2	**2**	100%
KRAKEN (SDS)	KRAKEN				5	**5**	100%

**Total Number of Requirements for Market Role being Qualified via SIT*

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

SIT Migration RTTM Requirements Coverage Status – Qualification Participants 2 of 2 (as at Cycle 3 end)

Qualification Participant RTTM Requirement Coverage Status (2 of 2)

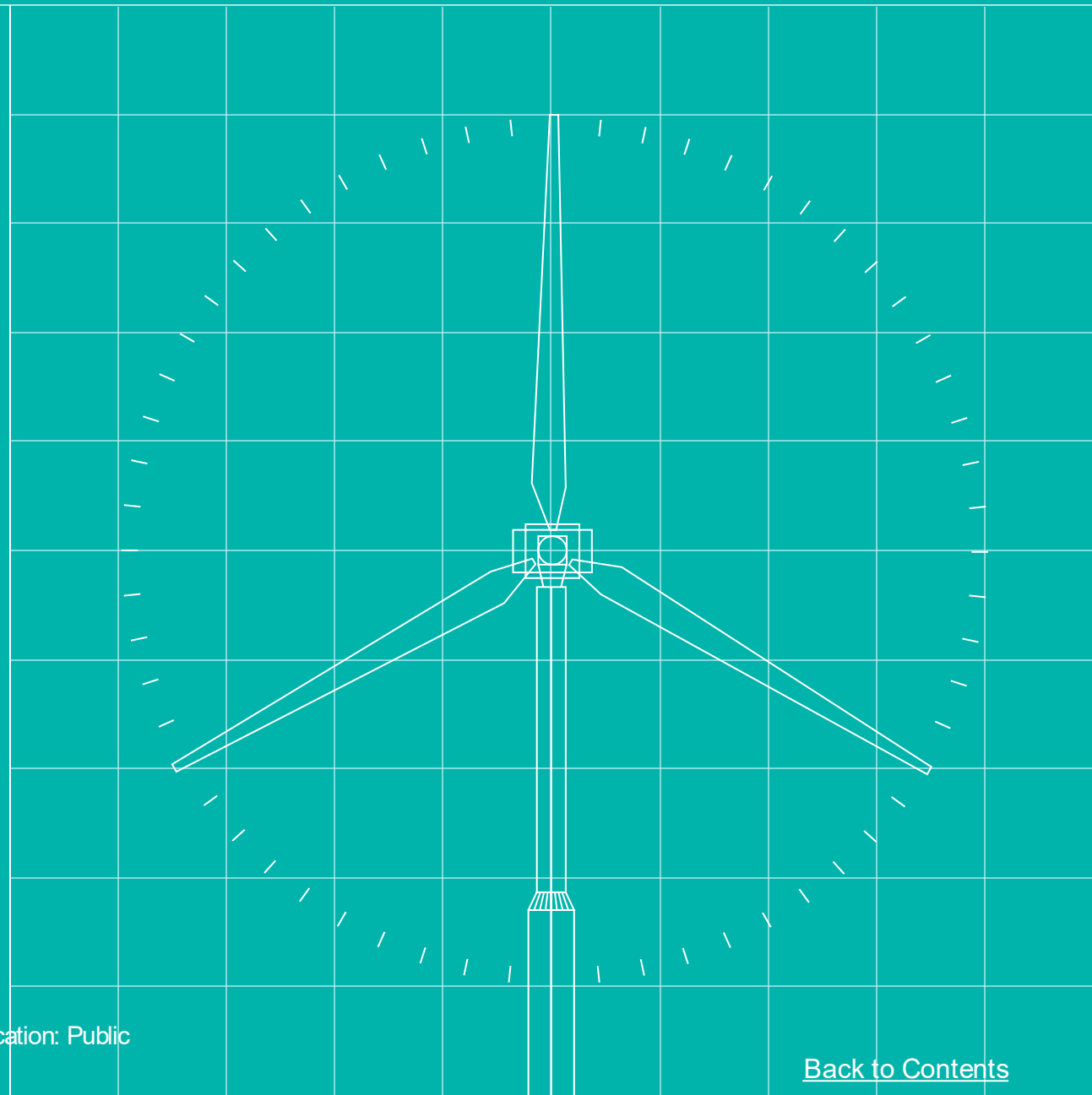
The table below provides a status summary of the unique requirement coverage associated with the Qualification Participants in SIT:

		SIT Migration Requirement Status (Stage End)					% Passed
Participant (MHHS Market Roles)	SIT Test Participant(s)	Not Tested	Blocked	Failed	Passed	Total Reqs*	
nPower Business Solutions (ADS)	Itron				2	2	100%
nPower Business Solutions (MSA)	Wheatley				4	4	100%
Itron (ADS)	Itron				2	2	100%
E.on UK Energy Services (MSS)	Wheatley					0	-
Power Data Associates (UMSDS)	Power Data Associates				1	1	100%
SMS (ADS)	SMS				2	2	100%
SMS (SDS)	SMS				5	5	100%
SMS (MSS)	SMS					0	-
SMS (MSA)	SMS				4	4	100%
Stark Connect Ltd (MSS)	Stark					0	-
Stark Connect Ltd (MSA)	Stark				4	4	100%
Stark Software International Ltd (ADS)	Stark				2	2	100%
Stark Software International Ltd (SDS)	Stark				5	5	100%
TMA (ADS)	TMA				2	2	100%
TMA (SDS)	TMA				5	5	100%
Tym Huckin (UMSDS)	Tym Huckin				1	1	100%
Unify (SUP)	Seaglass				41	41	100%
Utilita (SUP)	Utilita				41	41	100%
Utilita (MSS)	Utilita					0	-
Utilita (MSA)	Utilita				4	4	100%
SSEN (LDSO)	SSEN				7	7	100%
SSEN (UMSO)	SSEN				3	3	100%
SSEN (REGS)	St Clements				45	45	100%
BUUK (LDSO)	C&C				7	7	100%
BUUK (UMSO)	C&C				3	3	100%
BUUK (REGS)	St Clements				45	45	100%

**Total Number of Requirements for Market Role being Qualified via SIT*

(See 'Test & Defect Extract' for details of RTTM Test Status, Requirements Coverage & 'N/A – Dispensations')

Section 4:
Tests Passed with Observations or Workarounds



SIT F & M Test ‘Passed with Observations’ or ‘Passed with Workaround’ – Central Parties (as at Cycle 3 end)

Tests Passed with a ‘PwO’ or ‘PwW’ sub-status

The use of the 'Passed with Observations' and 'Passed with Workaround' sub-statuses are permitted under conditions outlined in the SIT F & M DITL policy [REF-14].

In essence 'PwO' can be used if an unexpected event occurs which doesn't impact or invalidate the outcome objective of the test, or in rare cases an event occurred where a programme accepted workaround was employed, again without impacting the core test objective.

Any use of these sub-statuses needs to be approved by the programme and is the subject of separate test assurance after the event.

SI Assurance Status

- All tests where the sub-status of PwO and PwW have been assured and approved by the SI Test Assurance team
- In all cases there was no impact on testing participant requirements coverage

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT F	SIT M	Total
Central Party	**RECCo (EES)**	RECCo			**0**
Central Party	**DCC (DSP / CSS)**	DCC	3	3	**6**
Central Party	**Elexon (MDS, LSS, VAS, ECS, ISD)**	Elexon Helix	5	1	**6**
Central Party	**DIP**	Avanade			**0**
Central Party	**Electralink**	Electralink			**0**

(See the ‘PwO or PwW’ tab in the ‘Test & Defect Extract’ for details)

SIT F & M Test 'Passed with Observations' or 'Passed with Workaround' – Qualification Participants 1 of 2 (as at Cycle 3)

Tests Passed with a 'PwO' or 'PwW' sub-status

The use of the 'Passed with Observations' and 'Passed with Workaround' sub-statuses are permitted under conditions outlined in the SIT F & M DITL policy [REF-14].

In essence 'PwO' can be used if an unexpected event occurs which doesn't impact or invalidate the outcome objective of the test, or in rare cases an event occurred where a programme accepted workaround was employed, again without impacting the core test objective.

Any use of these sub-statuses needs to be approved by the programme and is the subject of separate test assurance after the event.

SI Assurance Status

- All tests where the sub-status of PwO and PwW have been assured and approved by the SI Test Assurance team
- In all cases there was no impact on testing participant requirements coverage

Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT F	SIT M	Total
British Gas (SUP)	ENSEK	1	1	**2**
British Gas (MSS)	Callisto	1		**1**
British Gas (MSA)	Callisto			**0**
Callisto (SDS)	Callisto			**0**
Callisto (ADS)	Callisto			**0**
E (SUP)	ESG	27	2	**29**
E.ON NEXT (SUP)	KRAKEN	3		**3**
Edgware (SUP)	Utiliteam			**0**
EDF (MSA)	ESG	7		**7**
Ovo Energy Limited (MSS)	ESG	5	3	**8**
Energy Assets (MSS)	ESG	5	3	**8**
Energy Assets (MSA)	ESG	7		**7**
Energy Assets (ADS)	Energy Assets			**0**
IMServ (ADS)	IMServ	3		**3**
IMServ (SDS)	IMServ	2		**2**
IMServ (MSS)	IMServ			**0**
IMServ (MSA)	IMServ		1	**1**
Octopus Energy Limited (SUP)	KRAKEN	9		**9**
Octopus Energy Services Ltd (MSS)	KRAKEN	2		**2**
Octopus Energy Services Ltd (MSA)	KRAKEN	1		**1**
KRAKEN (ADS)	KRAKEN	2		**2**
KRAKEN (SDS)	KRAKEN	2		**2**

(See the 'PwO or PwW' tab in the 'Test & Defect Extract' for details)

SIT F & M Test 'Passed with Observations' or 'Passed with Workaround' – Qualification Participants 2 of 2 (as at Cycle 3 end)

Tests Passed with a 'PwO' or 'PwW' sub-status

The use of the 'Passed with Observations' and 'Passed with Workaround' sub-statuses are permitted under conditions outlined in the SIT F & M DITL policy [REF-14].

In essence 'PwO' can be used if an unexpected event occurs which doesn't impact or invalidate the outcome objective of the test, or in rare cases an event occurred where a programme accepted workaround was employed, again without impacting the core test objective.

Any use of these sub-statuses needs to be approved by the programme and is the subject of separate test assurance after the event.

SI Assurance Status

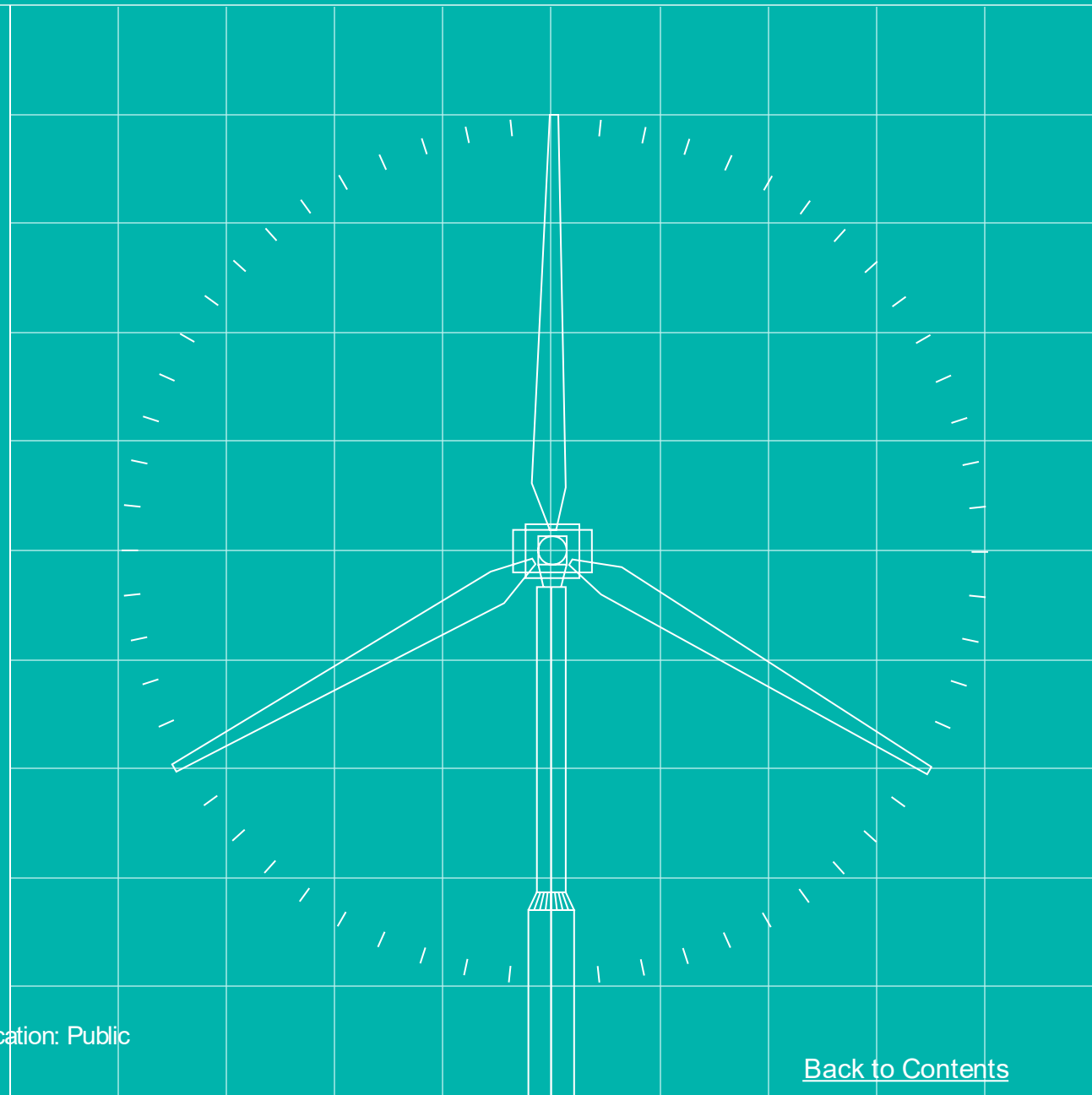
- All tests where the sub-status of PwO and PwW have been assured and approved by the SI Test Assurance team
- In all cases there was no impact on testing participant requirements coverage

Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT F	SIT M	Total
nPower Business Solutions (ADS)	Itron			**0**
nPower Business Solutions (MSA)	Wheatley			**0**
Itron (ADS)	Itron			**0**
E.on UK Energy Services (MSS)	Wheatley		6	**6**
Power Data Associates (UMSDS)	Power Data Associates	3		**3**
SMS (ADS)	SMS	4		**4**
SMS (SDS)	SMS			**0**
SMS (MSS)	SMS	1		**1**
SMS (MSA)	SMS	2		**2**
Stark Connect Ltd (MSS)	Stark	2		**2**
Stark Connect Ltd (MSA)	Stark			**0**
Stark Software International Ltd (ADS)	Stark		1	**1**
Stark Software International Ltd (SDS)	Stark	3	2	**5**
TMA (ADS)	TMA			**0**
TMA (SDS)	TMA	4	2	**6**
Tym Huckin (UMSDS)	Tym Huckin			**0**
Unify (SUP)	Seaglass	2		**2**
Utilita (SUP)	Utilita		1	**1**
Utilita (MSS)	Utilita	1		**1**
Utilita (MSA)	Utilita			**0**
SSEN (LDSO)	SSEN	3		**3**
SSEN (UMSO)	SSEN			**0**
SSEN (REGS)	St Clements	4	1	**5**
BUUK (LDSO)	C&C	7		**7**
BUUK (UMSO)	C&C		2	**2**
BUUK (REGS)	St Clements	4	1	**5**

(See the 'PwO or PwW' tab in the 'Test & Defect Extract' for details)

Section 5:
SIT Functional & Migration Defect Status Summary

Note – section to be updated when SIT-A Settlements & Regression Completes

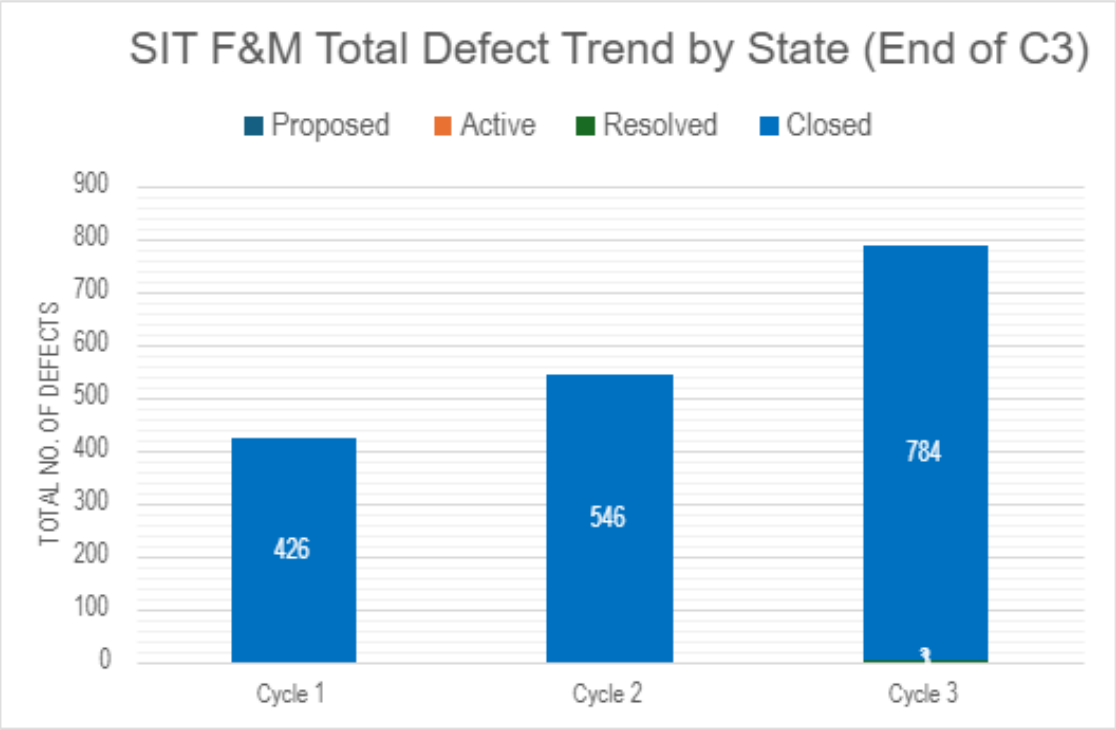


Will be updated when SIT-A Settlements & Regression Completes

SIT Functional and Migration Defects Summary (as at Cycle 3 end)

SIT Functional & Migration (All Defects - End of Cycle 3)

State	SIT F	Settlement	SIT M	Total
Proposed				0
Active		1		1
Resolved		3		3
Closed	1256	266	234	1756
Grand Total	1256	270	234	1760



(*For Guidance on Defect States see Appendix B)

Status at the end of Cycle 3 = Green

- ✓ No open Severity 1 or 2 Defects
- ✓ 4 Severity 3 / 4 SIT F Open Defects all expected to be closed by SIT Functional End

Guidance on the Defect Summary section contents:

- This version of the exit report contains summaries of:
  - Defects raised by Type (and State)
  - Defects raised by Theme and (and State)
  - Defects by Raiser (and State)
  - Defects by Resolver (and State)
  - Open Defects at Cycle 3 end by Resolver Group and Severity
  - Open Defects at Cycle 3 end by Resolver Group and Progress State
  - Open Defects at Cycle 3 end by Workstream / Severity
  - List report of Open Defects at Cycle 3 end including RAG and Management Summary

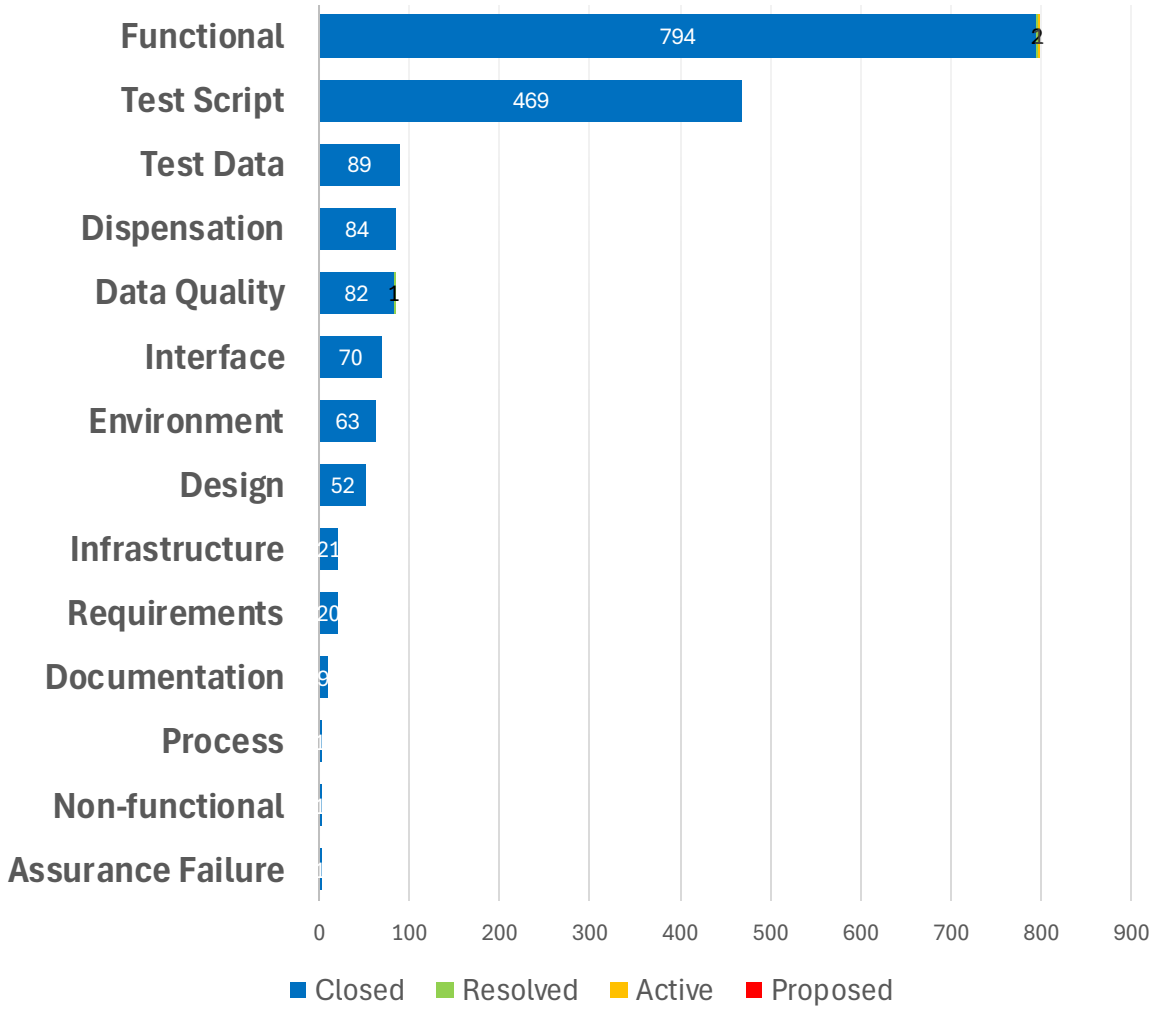
Updates post-SIT-A Settlement & Regression Completion:

- All tables, graphs and list reports will be refreshed with the latest position
- Additional summaries analysing Defect Closure Reasons and Root Causes

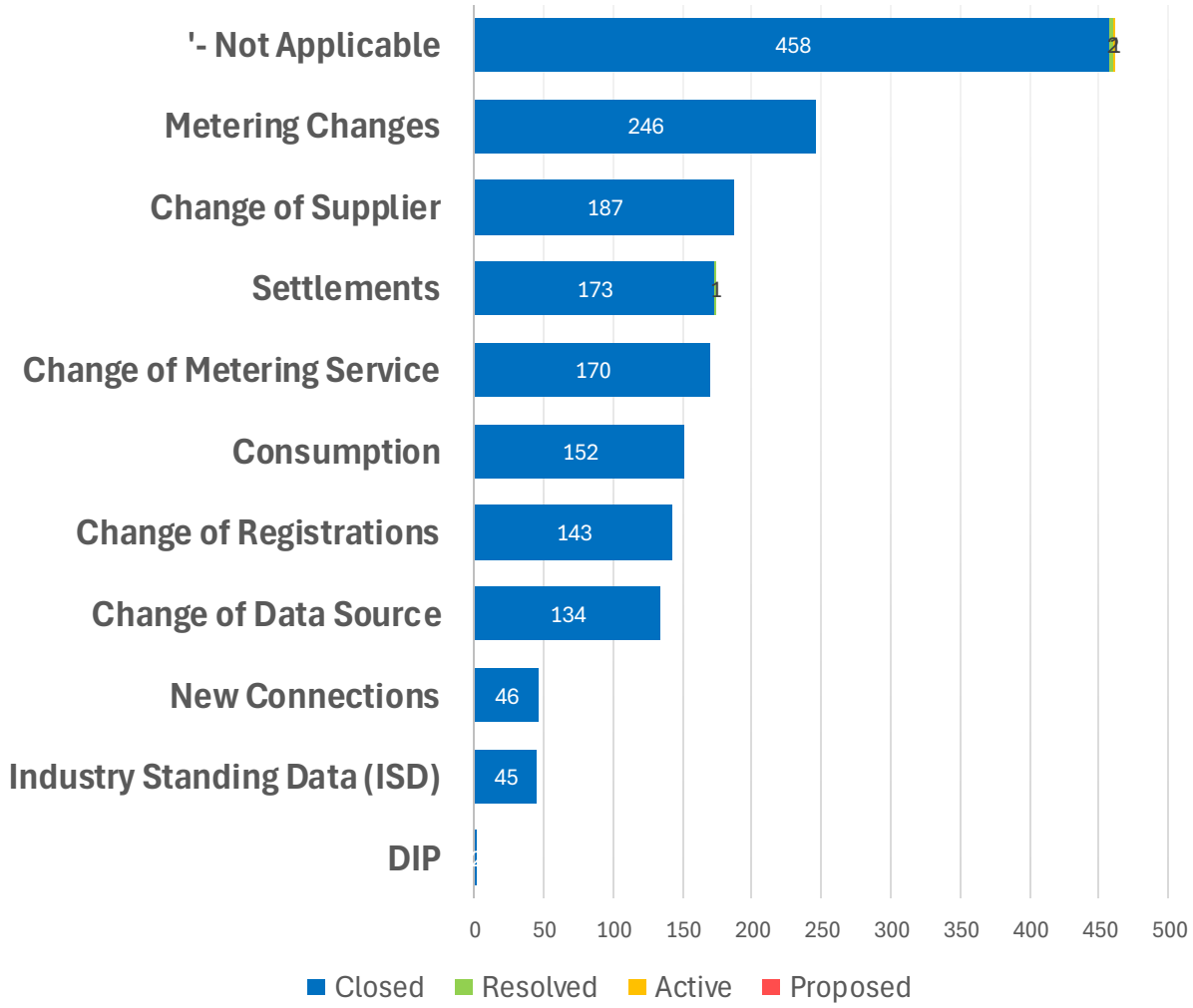
Will be updated when SIT-A Settlements & Regression Completes

SIT Functional and Migration - Defect Types and Theme Summary (as at Cycle 3 end)

ALL DEFECTS BY DEFECT TYPE



ALL DEFECTS BY DEFECT THEME



Will be updated when SIT-A Settlements & Regression Completes

SIT Functional and Migration - Defect Raisers and Resolvers Summary (as at Cycle 3 end)

Defect Raisers

(Defects encountered and raised by PPs during testing, this does not infer resolution responsibility)

Participant Raiser	Closed	Resolved	Active	Proposed
Kraken	255			
ESG	193			
Ensek	127			
St.Clements (SCS)	114			
Utilita	110			
SMS	91			
BUUK	71			
Wheatley	68			
Callisto	62			
TMA	60			
Power Data Associates	57	1		
'- Not Applicable	56			
Itron	54			
Utiliteam	53			
Stark	50			
IMServ	47			
C&C	46			
SSEN	43			
Helix	41		1	
Seaglass	40	1		
Energy Assets	33	1		
Tym Huckin	30			
DCC	21			
Avanade	10			
SI Teams	8			
RECCo	5			
CSS	4			
SCS - General	2			
SI	2			
Not Applicable	1			
SCS - BUUK	1			
SCS - SSEN	1			
	1756	**3**	**1**	**0**

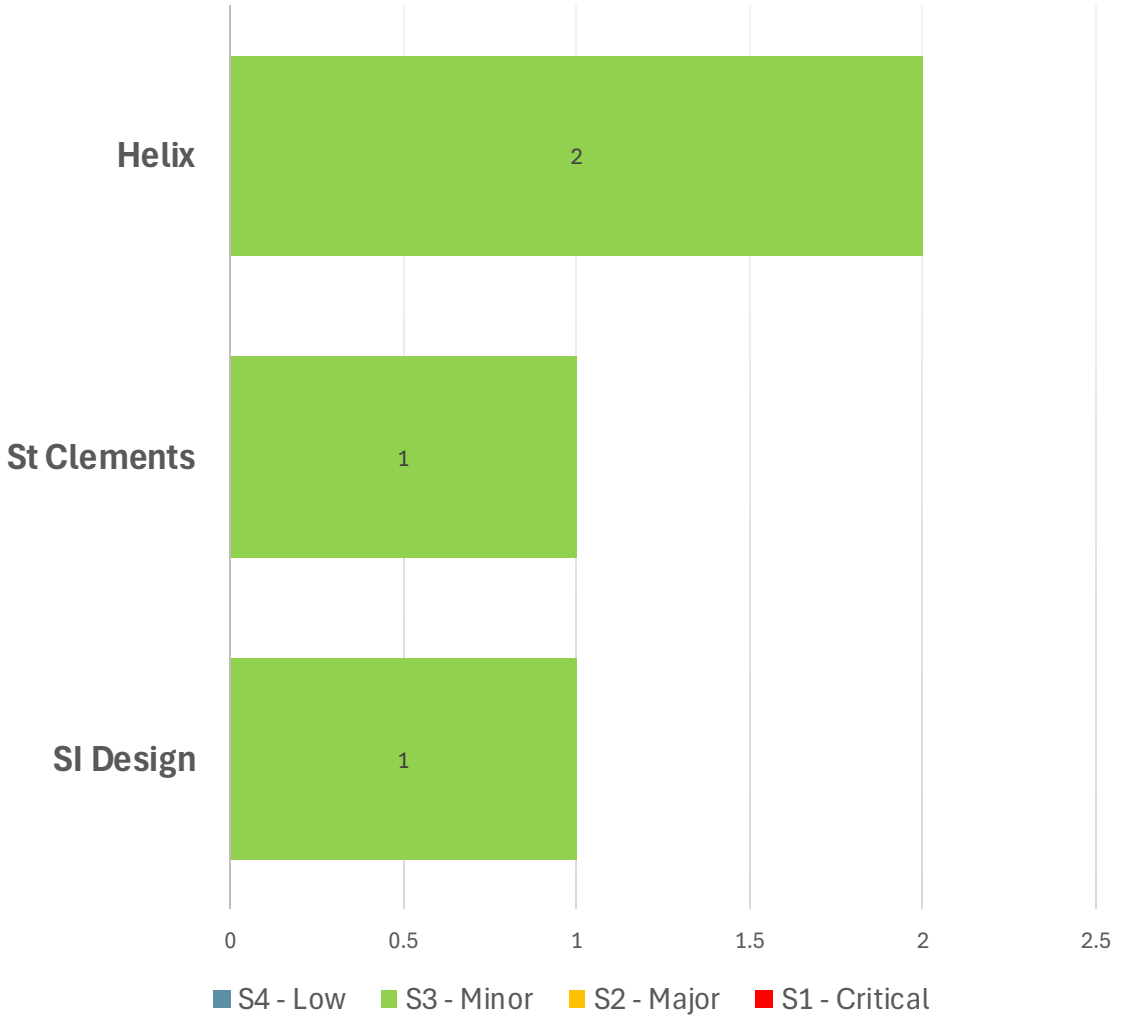
Defect Resolvers

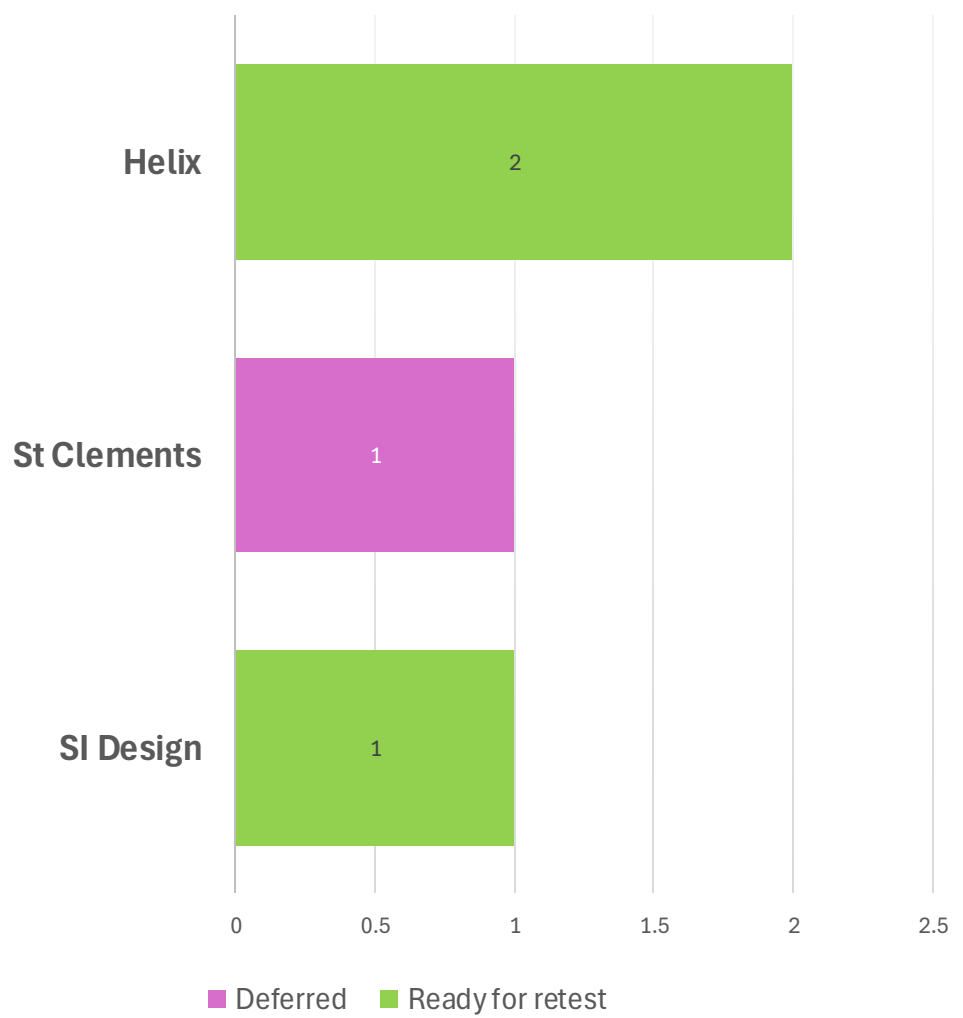
(Participant responsible for resolving defects)

Defect Resolver	Closed	Resolved	Active	Proposed
SI Assurance	547			
St.Clements (SCS)	167		1	
Avanade - DIP provider	143			
SI Design	130	1		
No Resolver Group Assigned	126			
Helix	119	2		
C&C	77			
Kraken	53			
SI Data Team	51			
SMS	50			
ENSEK	37			
ESG	34			
Itron	28			
Utilita	26			
Callisto	21			
Wheatley	20			
ElectraLink (DTN)	15			
IMServ	15			
Stark	14			
C&C - RECCo	11			
SI Test Team	11			
Energy Assets	10			
PDA	10			
Smart DCC	10			
TMA	8			
Seaglass	6			
SSEN	5			
Utiliteam	5			
SI ADO Management	3			
Tym Huckin	3			
SI Defect Management	1			
	1756	**3**	**1**	**0**

Will be updated when SIT-A Settlements & Regression Completes

SIT Functional and Migration - Open Defects by Resolver Group (as at Cycle 3 end)





Will be updated when SIT-A Settlements & Regression Completes

SIT Functional & Migration Open Defects Per Workstream (as at Cycle 3 end)

Open Defect Report	SIT F (Excl. Settlement)	SIT F Settlement	SIT M
Summary of Open Defects by Cohort Raiser and Severity (C1, 2 & 3)	0	4	0
Summary of Severity 1 & 2 Open Defects by Resolver Group and Progress State	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Central Party	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Programme	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Internal Cohort	0	0	0

For Open Sev 3 & 4 Defects see next slide

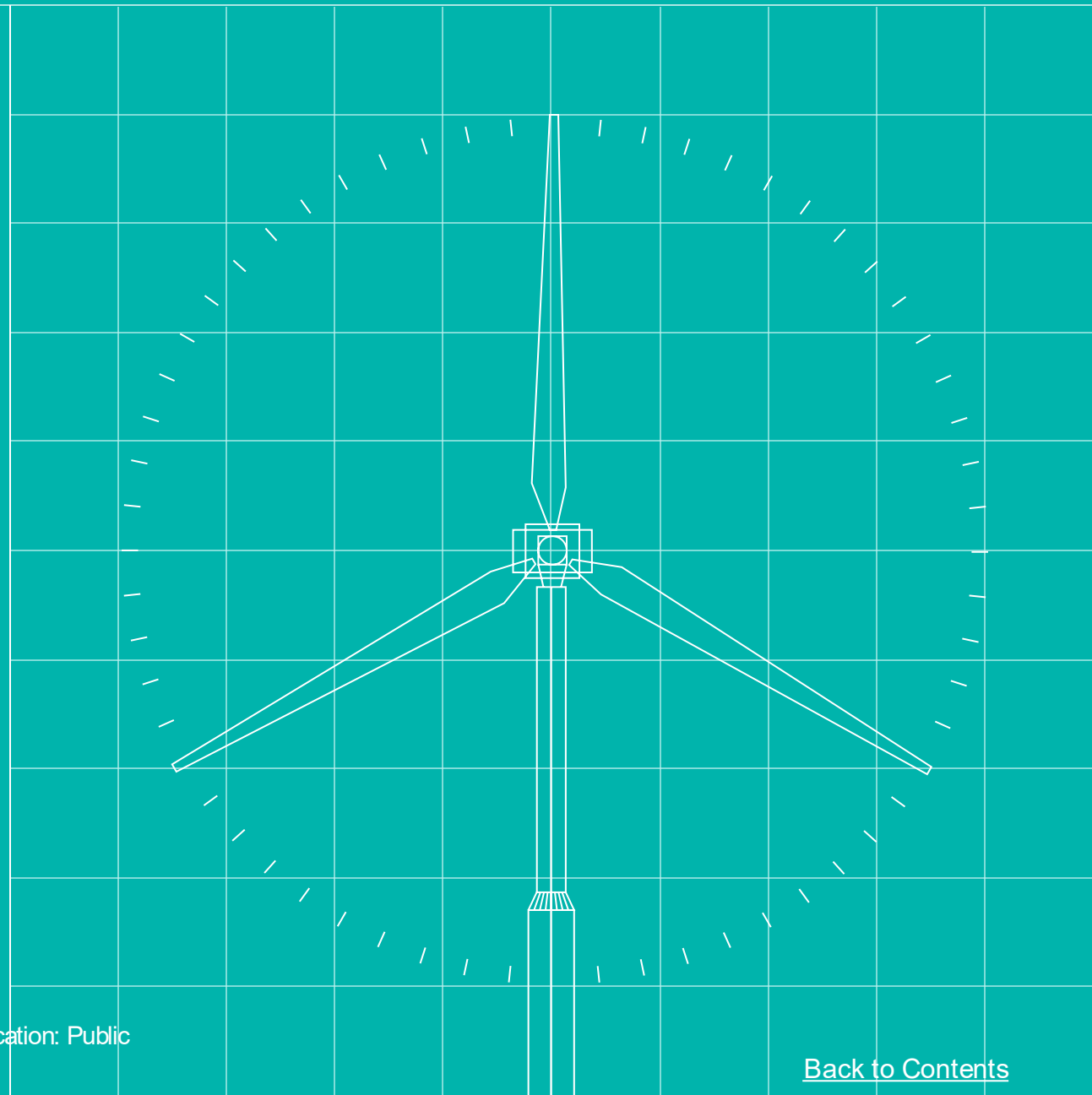
Will be updated when SIT-A Settlements & Regression Completes

SIT Functional Open Severity 3 & 4 Defects (Total = 4 as at Cycle 3 end)

DefectID	Title	CreatedDate	Test Cycle	Test Theme	Defect Type	Severity	Priority	Resolver	State	Progress Status	Fix ETA	Management Summary	RAG
42618	Previously Deferred to May 2025 - [Settlements - EA] Incorrectly receiving PUB-013 [ActivePowerDefaulted]	25/10/2024	Test Cycle 3 - Settlement Sprint 5	Settlements	Functional	**S3 - Minor**	P3 - Medium	**SI Design**	Resolved	Ready for Retest	-	Retest of this defect fix in SIT-A test (May '25) for retest alongside the CoS Settlement Tests.	
43913	Previously DEFERRED execution due 19/05 {MVC} [Helix - Remains open until Root Cause known - Settlements] REP-002 energised meters	27/11/2024	Test Cycle 3 - Settlement Sprint 7	- Not Applicable	Functional	**S3 - Minor**	P3 - Medium	**Helix**	Resolved	Ready for retest	-	Defect is Deferred until the regression run execution of ST0030 - Settling Normally Test Case in SIT-A, test results will be monitored and if the issue is no longer occurring then the defect will be closed.	
47380	Previously DEFERRED May/June 2025 {MVC} [Settlements - Helix] Inaccurate Load Shape Data for Unmetered MPANs	20/01/2025	Test Cycle 3 - Settlement Sprint 10	- Not Applicable	Data Quality	**S3 - Minor**	P3 - Medium	**SI Design**	Resolver Group Assigned	Fix in progress		Deferred to May 2025 - Include as a separate test to be run alongside CoS Settlement Testing (mid May '25 to Mid June '25)	
47783	DEFERRED Post Go-Live [Settlements - Helix, SCS fix] SITF Cycle 3- Settlement testing - MDS run failed for 2025-01-23, II because of invalid DuoS tariff id combinations for 2 MPANs.	28/01/2025	Test Cycle 3 - Settlement Sprint 10	- Not Applicable	Functional	**S3 - Minor**	P3 - Medium	**St. Clements**	Active	Deferred		No SIT F/M Impact. MPRS fix required post Go-Live. Risk ref (R1068). *The details associated with this observation has been handed over to Elexon Performance Assurance as this isn't a Programme Defect* *As this issue does not refer to a defined MHHS Business Requirement, Programme and Elexon have assessed that Assuring that it is rectified does not fall under the purview of MHHS Qualification and Elexon has confirmed this through legal opinion* *It is expected this defect will be closed from the MHHS log pending final agreement*	

Section 6: Settlement SIT-A & Regression Test Outcomes

Note – section to be updated when SIT-A Settlements & Regression Completes

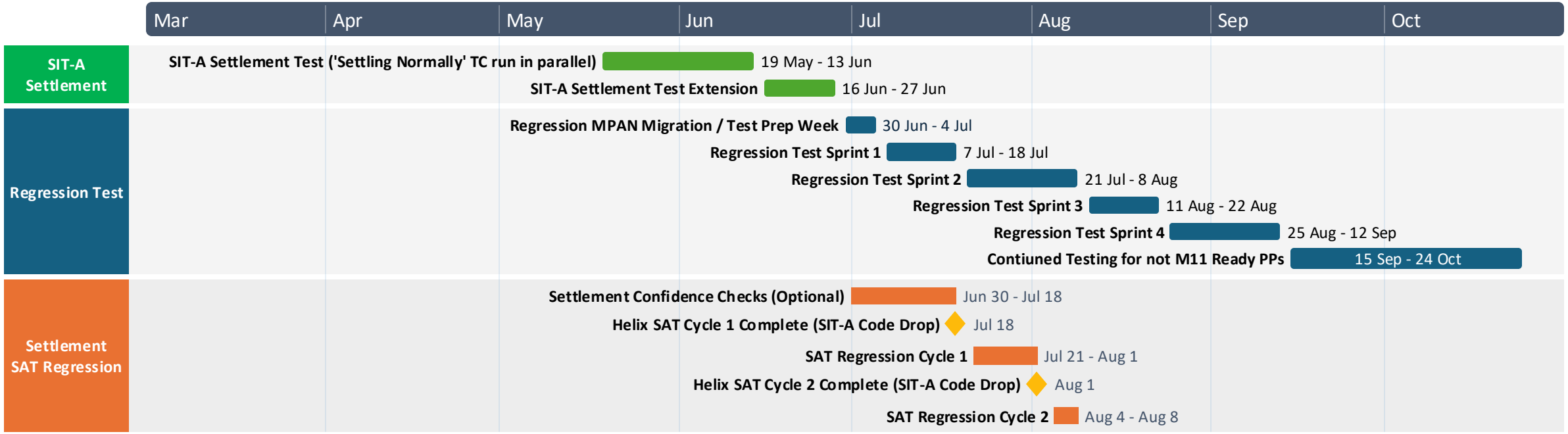


SIT Functional & Migration SI Overarching Exit Report – SIT-A Settlement & Regression Test Addendum

At the end of SIT Functional and Migration Cycle 3 the following testing is still outstanding and required to conclude the SIT Functional & Migration stage:

1. SIT-A Settlement Tests that were deferred to after Cycle 3
2. SIT Functional & Migration Regression Testing (as outlined in 'SIT Regression Framework & Regression Pack' [REF-18])
3. Settlement SAT Regression

This section of the report is an addendum placeholder that will be updated with the outcomes once the testing complete.



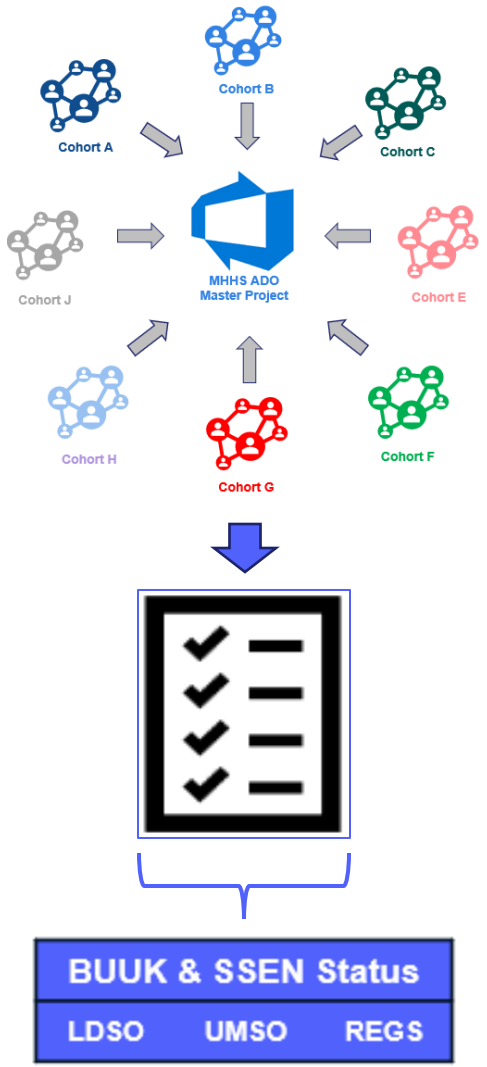
Will be updated when SIT-A Settlements & Regression Completes

SIT Functional SIT-A Settlement Test Status Per Cohort

Test status table will be populated and published in this placeholder report page

Theme	Test Case Name	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J
8 – Settlement	ST0040 TC01 Settlement Before and After CoS, Trad Related	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd
8 – Settlement	ST0040 TC02 Settlement Before and After CoS, Smart Single	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd
8 – Settlement	ST0040 TC03 Settlement Before and After CoS, Adv Single	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd	Req'd
8 - Settlement	ST0040 TC04 Settlement Before and After CoS, Unmetered	Req'd	N/A	N/A	N/A	N/A	N/A	N/A	Req'd
8 – Settlement	ST0050 TC05 Off-Peak Advisory Smart E7	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Req'd	Pass (C3 / IR8)
8 - Settlement	ST0050 TC07 LTV Advisory Expires Adv	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Pass (C3 / IR8)	Req'd	Pass (C3 / IR8)

SIT Functional & Migration Regression Test Stage – Exit Principles



- Successful completion of the 'Core Regression Tests' is required for Cohort / PP SIT Exit
- The 'Settling Normally' regression test is to be completed during the SIT-A Settlement test window. (**Assumption** completion of 'post-Helix SAT regression' is not required for PP Qualification)
- All other 'Core Regression Tests' are to be executed during the SIT Regression test window (**Note** these TCs don't involve Helix)
- Each paired test only needs to be executed and completed successfully by one Cohort initiator in the pair to enable both cohorts in the pair to exit
  - Example: 'SITFTS-0040 TC01 Smart Metered' initiated by Cohort A and is completed successfully, enabling both Cohort A and J to have met the regression exit criteria for the test
- UMSDS Paired tests are only required to be initiated by Cohorts J and G to enable regression testing of PDA and Tym Huckin
- BUUK and SSEN will need to support all Cohorts, however, have the potential to formally exit to the QAD / 'M10 Pathway' if it can be demonstrated that each of their LDSO and UMSO TC requirements have been met via at least one Cohort. Note the REGs requirement will be met when 1 Cohort has passed the mapped test cases, regardless of which LDSO MPAN region this was achieved
- **Cohort / LDSO Mapping:**
  - Each Cohort will be assigned a single LDSO MPAN region for the SIT Regression test window (either BUUK or SSEN)
  - LDSOs will be mapped evenly across Cohorts i.e. 4 x BUUK, 4 x SSEN
  - Each Cohort within a pairing will be mapped to either 1 of BUUK or SSEN
  - The LDSO roles involved in each 'Core Regression Test' have been mapped to enable LDSO Exit Criteria tracking
- When a Cohort has met their Exit Criteria they can proceed to their exit pathway, however whilst progressing with formal exit, in parallel they have the option to continue with any planned 'Supplementary' regression testing and the programme will continue to monitor the regression defect & release position in relation to the 'Exit Validity' of all Cohorts
- When 2 Cohorts have met the SIT exit criteria, at this point the programme will also update the Overarching SIT F&M Exit Report for issue to governance review and approval. **Note:** other Cohorts / PPs can continue with 'Core' or optional 'supplementary' regression testing in parallel with formal programme SIT exit (the overarching Exit report will be subsequently updated as and when other Cohorts complete testing)
- **Note** 'Supplementary' regression testing will also be tracked and reported, but will only impact SIT exit in the case of defects

Will be updated when SIT-A Settlements & Regression Completes

Key:
✓ = Req'd / Involved
'Flow Receipt Only' = No involvement in downstream processing

SIT Functional & Migration Regression Test Core Pack – Tracking Regression Test Exit Requirements

Theme	Test Case	Segment	Points	Cohort A	Cohort J	Cohort B	Cohort F	Cohort C	Cohort E	Cohort G	Cohort H	Helix Involved?	LDSO	UMSO	REGS
Executed During SIT-A Settlements Test Window															
8 - Settlement	**SITFTS-ST0030 Consumption settling normally**	Traditional, Smart, Advanced, Unmetered	**N/A**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓(x2)	✓(x2)	
<u>Main</u> Cohort Tests Executed During SIT Regression Test Window															
1 - New Connections	**SITFTS-0050 TC01 Smart Metered**	Smart Meter	**200**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
1 - New Connections	**SITFTS-0050 TC03 Advanced**	Advanced	**120**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
2 - Change of Registration	**SITFTS-0940 TC01 Update for Domestic Premise Indicator Smart**	Smart	**10**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
6 - Metering Changes	**SITFTS-0900 TC01 Traditional to Smart Meter Exchange**	Traditional	**20**	✓	✓	✓	✓	✓	✓	✓	✓		✓(x2)		✓(x1)
Forward Migration CoA	**SIT-M-FM-COA-MS-DS-TC01**	Trad	**80**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
Forward Migration CoS	**SIT-M-FM-COS-MS-DS-TC04**	Smart NHH	**120**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
Reverse Migration CoS	**SIT-M-RM-COS-MS-DS-TC03**	Adv HH	**80**	✓	✓	✓	✓	✓	✓	✓	✓	Flow Receipt Only	✓(x2)		✓(x1)
<u>Paired</u> Cohort Tests Executed During SIT Regression Test Window (**Note** these can be executed as either Gaining or Losing Supplier to meet Regression Exit Criteria for the Pair)															
3 - Change of Supplier	**SITFTS-0040 TC01 Smart Metered**	Smart Meter	**40**	✓		✓		✓		✓		Flow Receipt Only	✓(x2)		✓(x1)
5 - Change of Metering	**SITFTS-0120 TC01 Smart Metered**	Smart Meter	**40**	✓		✓		✓		✓		Flow Receipt Only	✓(x2)		✓(x1)
5 - Change of Metering	**SITFTS-0120 TC02 Advanced**	Advanced	**60**	✓		✓		✓		✓		Flow Receipt Only	✓(x2)		✓(x1)
7 - Consumption	**SITFTS-0012 TC02 Smart**	Smart Meter	**10**	✓		✓		✓		✓			✓(x2)		
4 - Change of Data	**SITFTS-0130 TC03 Unmetered**	Unmetered	**20**		✓					✓		Flow Receipt Only	✓(x2)	✓(x2)	✓(x1)
		LDSO Cohort Mapping		**SSEN**	**BUUK**	**BUUK**	**SSEN**	**BUUK**	**SSEN**	**SSEN**	**BUUK**				

SIT Regression – Checkpoints and Possible Exit Scenarios

Cycle / Sprint Check Point Approach (as per MHHS-DEL3545 v0.3):

1. An internal programme check point will be held at the end of each cycle / sprint where decisions will be made on:
   - Defect fix deployment plans
   - If incomplete tests can continue into the next sprint
   - If any tests need to be paused or restarted due to planned fixes and associated regression risk

2. A Cohorts checkpoint will be held at the beginning of the Cycle / Sprint and PPs informed of their actions to take

Assessing Cohort / LDSO Exit Criteria Status:

- Have Exit Criteria been Met (Y/N) **[Note this will be immediate as met, not tied to Sprint end]**
- Are there any CP defects raised by other Cohorts or planned releases that require additional testing to enable Cohort / LDSO Exit (Y/N)

Exit Reporting:

- If QP has Met Exit Criteria, then SI Test issues Regression Exit Declaration for QP Signing
- When 2 Cohorts have Met Exit Criteria SI Overarching Exit Report will be Issued for Governance Approval **[Note this will be immediate as met, not tied to Sprint end]**
- SI Overarching Exit Report updated as and when other Cohorts Exit

(How the Cohort Regression Exit journey might look)

M10 Ready - Pathway 2 (18-Jul) | *M10 Ready - Pathway 3 (08-Aug)* | *M11 Ready - Pathway 4 (22-Aug)* | *M11 Ready - Pathway 5 (12-Sep)*

	Sprint 1 (2 weeks)			Sprint 2 (3 weeks)			Sprint 3 (2 weeks)			Sprint 4 (3 weeks)			→ 24-Oct-25		
LDSO / Cohort	All Core P1 Regression Tests Executed	No S1 / S2 Defects	Acceptable Work Off Plans for S3 / S4 Defects	All Core P1 Regression Tests Executed	No S1 / S2 Defects	Acceptable Work Off Plans for S3 / S4 Defects	All Core P1 Regression Tests Executed	No S1 / S2 Defects	Acceptable Work Off Plans for S3 / S4 Defects	All Core P1 Regression Tests Executed	No S1 / S2 Defects	Acceptable Work Off Plans for S3 / S4 Defects	All Core P1 Regression Tests Executed	No S1 / S2 Defects	Acceptable Work Off Plans for S3 / S4 Defects
BUUK	Met	Met	N/A	QP Exit Declarations Issued & Signed (Note PPs may opt to continue with 'Supplementary' Reg tests)											
SSEN	Met	Met	Met												
Cohort 1	Met	Met	N/A												
Cohort 2	Not Met	Not Met	Not Met	Met	Met	Met	QP Exit Declarations Issued & Signed (Note PPs may opt to continue with 'Supplementary' Reg tests) 2+ Cohorts Met Exit Criteria → SI Overarching Exit Report Issued								
Cohort 3	Not Met	Not Met	Not Met	Met	Met	Met									
Cohort 4	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Met	Met	N/A	QP Exit Declarations Issued & Signed (PPs may opt cont'd Supplementary tests) SI Overarching Exit Report Updated					
Cohort 5	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Met	Met	Met						
Cohort 6	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Met	Met	N/A	QP Exit Declarations Issued &Signed SI Overarching Exit Report Updated		
Cohort 7	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Met	Met	N/A			
Cohort 8	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Not Met	Met	Met	Met

Programme Monitors for Central / Core Party Defects

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Public

Will be updated when SIT-A Settlements & Regression Completes

SIT Core Regression Exit Criteria Status (Place Holder)

The below exit criteria status table will be populated and published in this placeholder report page

SIT Core Regression Exit Criteria	Cohort 1	Cohort 2	LDSO 1	LDSO 2	Cohort 3	Cohort 4	Cohort 5	Cohort 6	Cohort 7	Cohort 8
All required SIT Regression tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed										
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed										
Work Off Plans for outstanding Severity 3 or 4 documented and agreed										

This Exit Report addendum will be published when 2 Cohorts and 2 LDSOs have Met the Regression Exit Criteria

This Exit Report addendum will then be published as and when remaining Cohorts have Met the Regression Exit Criteria

SAT Settlement Regression

Risk - There is a risk that defects will be identified and resolved as part of SAT that change the code base of the new settlement systems, and this updated version will not have been tested as part of SIT prior to being deployed into production environment.

The Programme requires SIT Regression Testing against the final SAT code base prior to deployment to the production environment

- Excluding Settlement tests, the rest of the SIT Regression tests are not impacted by the updated SAT build
- HELIX team have carried out Risk Assessment to confirm that functionality impacts to the Target MHHS state arising from any changes made to the code base during SAT is LOW.
    - Changes to Helix code base from SAT are not expected to impact Cohorts' test outcomes but this is a final Regression Test to confirm this assumption and perform final assurance checks

Mitigating Test Activity

- Perform additional Programme SIT activity for '**Post-SAT Settlement Regression Testing' .** This would follow on from the completion dates included in the ELEXON HELIX SAT recovery plan, currently aligned to run alongside Regression Sprint 2.
    - Based on the current view of the Helix SAT plan, the Programme will plan for 2 cycles of ***Post-SAT Regression Testing,*** starting after the end of each SAT Cycle to successfully mitigate the risk identified above.
        - One ***mandatory*** cycle once SAT Cycle 1 is successfully complete, for the first 2 weeks of Regression Sprint 2
            - Cycle 1 TC execution would occur in the first 2 weeks of Regression Sprint 2
        - Another ***contingency*** cycle, if required, once SAT Cycle 2 is successfully complete, for the final week of Regression Sprint 2
            - This will only be performed if there are any changes made to the code base in this SAT Cycle 2 period
                - Cycle 2 TC execution would occur in the final week of Regression Sprint 2
            - A clean execution run of SAT Cycle 2 without any changes to the code base would result in no requirement for the Programme to run the ***contingency*** cycle, *saving time and alleviating pressure on the critical path*.

Will be updated when SIT-A Settlements & Regression Completes

SAT Settlement Regression Exit Criteria Status (Place Holder)

The below exit criteria status table will be populated and published in this placeholder report page

SAT Core Regression Exit Criteria	Cohort 1	Cohort 2	Cohort 3	Cohort 4	Cohort 5	Cohort 6	Cohort 7	Cohort 8
Successful completion of 'ST0099 Settling Normally (Lite)'								
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed								
Work Off Plans for outstanding Severity 3 or 4 documented and agreed								

Test must be Passed by at least 2 cohorts (for at least 2 settlement runs each)

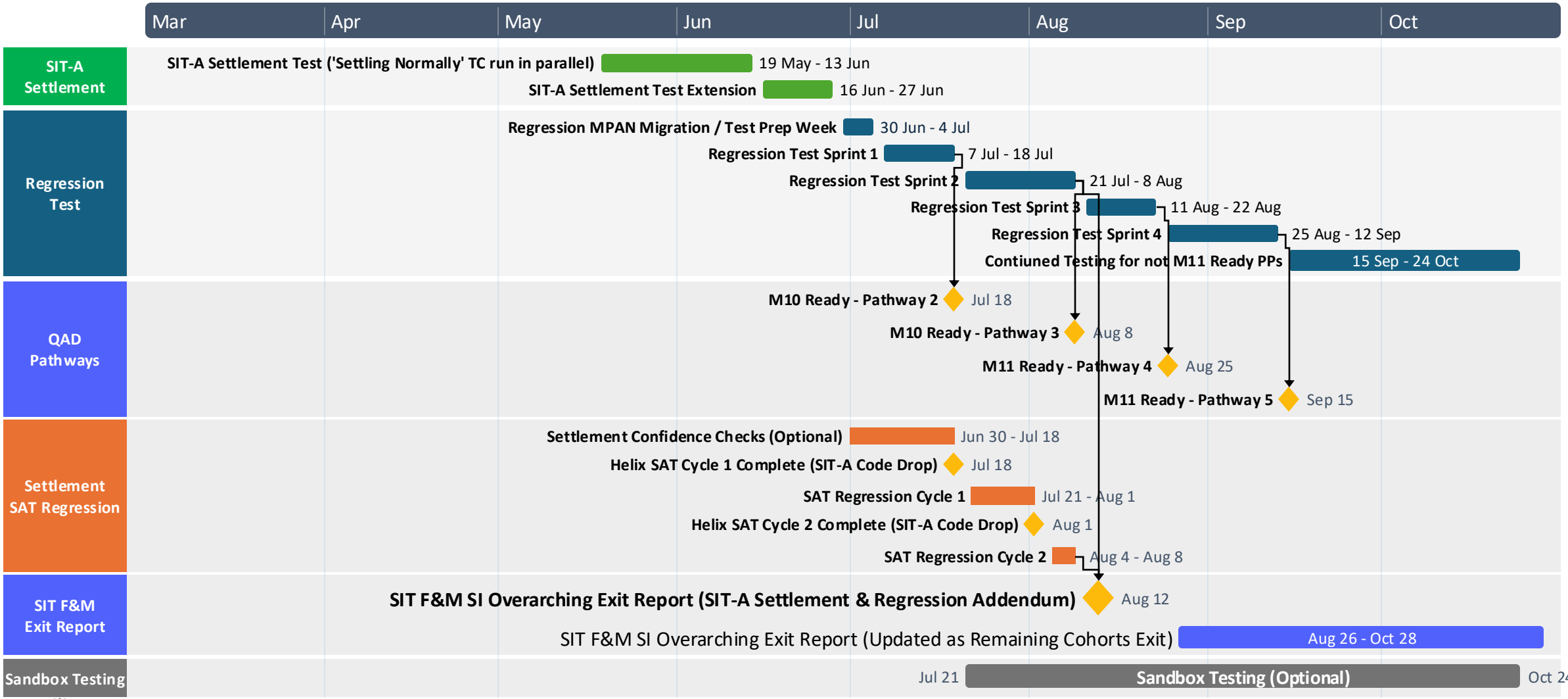
This Exit Report addendum will be published when 2 or more Cohorts Have Met the Exit Criteria

Test Case allocated for execution to ALL cohorts to support each Cohorts own Regression Confidence

SIT Functional & Migration SI Overarching Exit Report – when this report will be updated

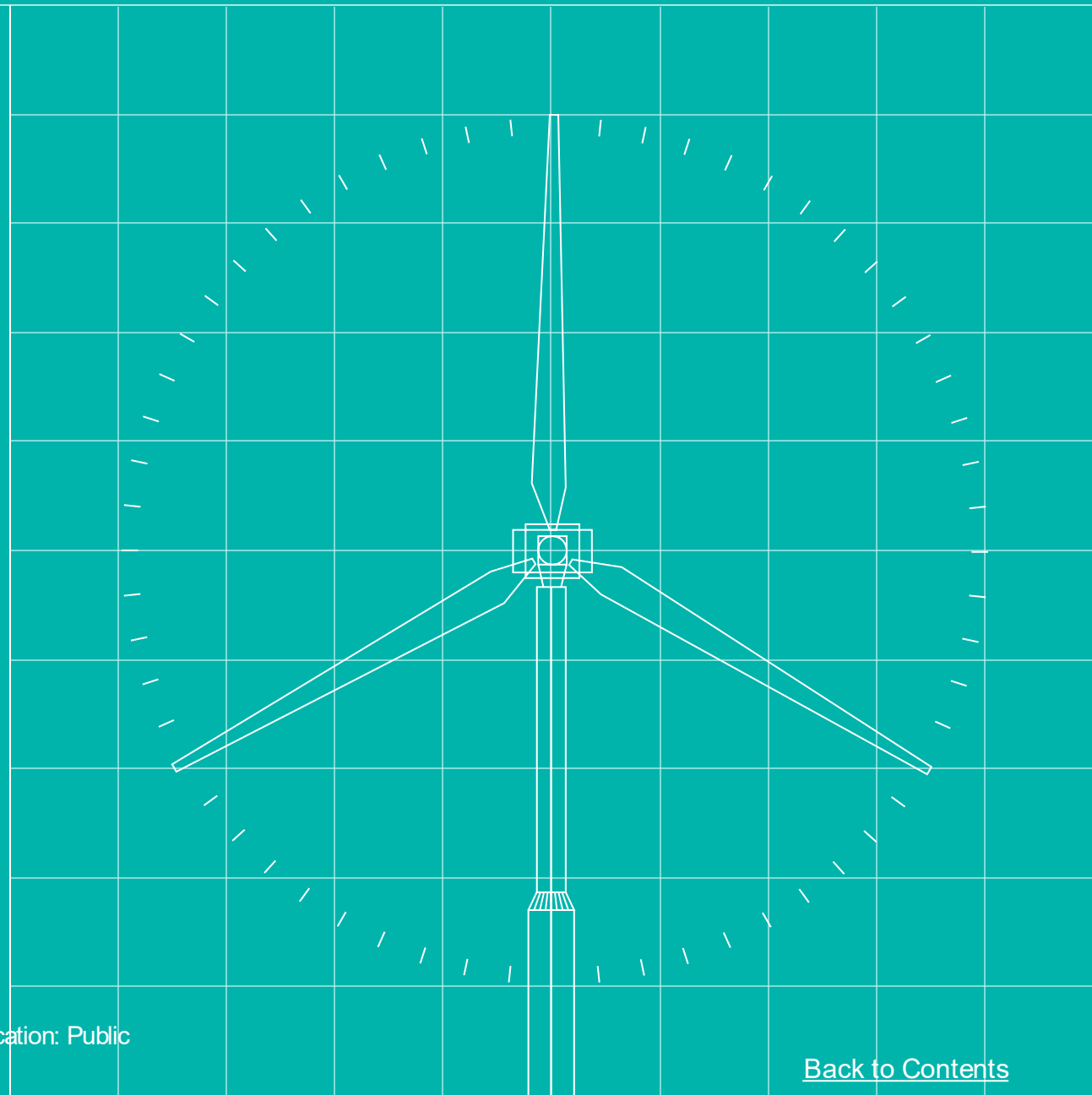
This report will be updated once SIT-A Settlement Test, Regression Exit Criteria has been met by a min 2 Cohorts and Settlement SAT Regression is complete.

The report will be then updated as and when remaining Cohort meet their Regression exit criteria



Section 7:
Exit Criteria Status

Note – section to be updated when SIT-A Settlements & Regression Completes



Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort A)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	Kraken	Kraken	Kraken	Kraken	Kraken	PDA	Kraken	Kraken	Kraken	Kraken	Kraken	PDA
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	**100% Passed**
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort B)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	Kraken	SMS	Itron	Wheatley	Wheatley	-	Kraken	SMS	Itron	Wheatley	Wheatley	-
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	N/A	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort C)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	ENSEK	Callisto	Callisto	Callisto	Callisto	-	ENSEK	Callisto	Callisto	Callisto	Callisto	-
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	N/A	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort E)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	Utilita	IMServ	IMServ	Utilita	Utilita	-	Utilita	IMServ	IMServ	Utilita	Utilita	-
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	N/A	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort F)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	Seaglass	TMA	TMA	IMServ	IMServ	-	Seaglass	TMA	TMA	IMServ	IMServ	-
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	N/A	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort G)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	ESG	TMA	Energy Assets	ESG	ESG	PDA	ESG	TMA	Energy Assets	ESG	ESG	PDA
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	**100% Passed**
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort H)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	ESG	SMS	SMS	SMS	SMS	-	ESG	SMS	SMS	SMS	SMS	-
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**98% Passed**	**98% Passed**	**98% Passed**	**98% Passed**	**98% Passed**	N/A	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	N/A
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**	**Met**	N/A	**Met**	N/A
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Cohort J)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	Utiliteam	Stark	Stark	Stark	Stark	Tym Huckin	Utiliteam	Stark	Stark	Stark	Stark	Tym Huckin
SIT Exit Criteria	SUP	SDS	ADS	MSS	MSA	UMSDS	SUP	SDS	ADS	MSS	MSA	UMSDS
All Cohort SIT tests have been executed, and the overall test pass rate is 85% or above or any exceptions are documented and agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	N/A	**100% Passed**	**100% Passed**
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	N/A	**Met (0 Open)**	**Met (0 Open)**
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	N/A	**Met**	**Met**
Regression Test Exit Criteria Met	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	**Pending**	N/A	**Pending**	N/A

Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Core Parties / LDSOs)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional						SIT Migration					
Testing Participant Organisation	C&C	C&C	St Clements	SSEN	SSEN	St Clements	C&C	C&C	St Clements	SSEN	SSEN	St Clements
SIT Exit Criteria	LDSO	UMSO	REGS	LDSO	UMSO	REGS	LDSO	UMSO	REGS	LDSO	UMSO	REGS
Cohort A 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort B 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort C 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort E 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort F 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort G 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort H 85% Passed, or exceptions agreed	98% Passed	98% Passed	98% Passed	98% Passed	98% Passed	98% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort J 85% Passed, or exceptions agreed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	99% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	Met (0 Open)	Met (0 Open)	1 Open (Sev 3)	Met (0 Open)	Met (0 Open)	1 Open (Sev 3)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)	Met (0 Open)
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	Defect 47783 Expected to be Closed	N/A	N/A	Defect 47783 Expected to be Closed	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met
Regression Test Exit Criteria Met	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending

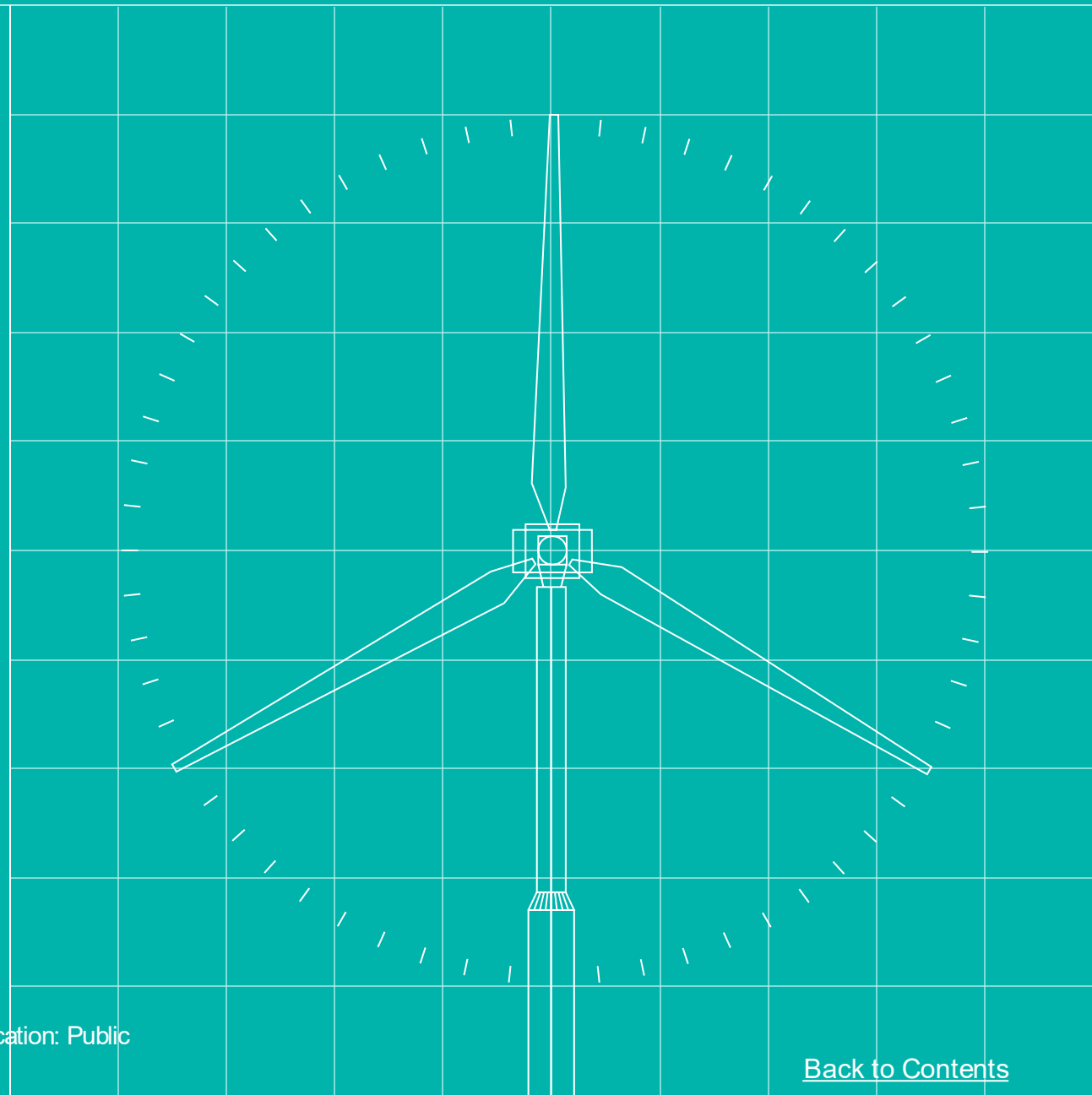
Will be updated when SIT-A Settlements & Regression Completes

Final SIT Functional & Migration Exit Criteria Status (Central Parties)

The SIT Functional Exit Criteria = Green pending SIT-A Settlement Test completion

SIT Stage	SIT Functional					SIT Migration				
Testing Participant Organisation	**RECCo**	**Helix**	**DCC**	**DIP**	**Electralink**	**BUUK**	**BUUK**	**St Clements**	**SSEN**	**St Clements**
SIT Exit Criteria	EES	MDS, LSS, VAS, ECS, ISD	-	-	-	EES	MDS, LSS, VAS, ECS, ISD	-	-	-
Cohort A 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort B 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort C 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort E 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort F 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort G 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort H 85% Passed, or exceptions agreed	**98% Passed**	**98% Passed**	**98% Passed**	**98% Passed**	**98% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
Cohort J 85% Passed, or exceptions agreed	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**99% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**	**100% Passed**
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**
The number of outstanding Severity 3 or 4 defects, within the following thresholds: • 10% of test cases allocated per Market Role x Severity 3 Defects • 20% of test cases allocated per Market Role x Severity 4 Defects	**Met (0 Open)**	**2 Open (Sev 3)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**	**Met (0 Open)**
Work-off plan for any outstanding defects has been produced and agreed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Test results and evidence has been captured in the test management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**
Defects have been captured in the defect management tool	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**	**Met**
Regression Test Exit Criteria Met	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**	**Pending (x2 Cohorts)**

Section 8: Approach to Lessons Learned



The programme recognises the value of capturing lessons learned from the delivery of MHHS SIT and has a responsibility to document these insights to support the planning and delivery of future industry programmes of a similar nature.

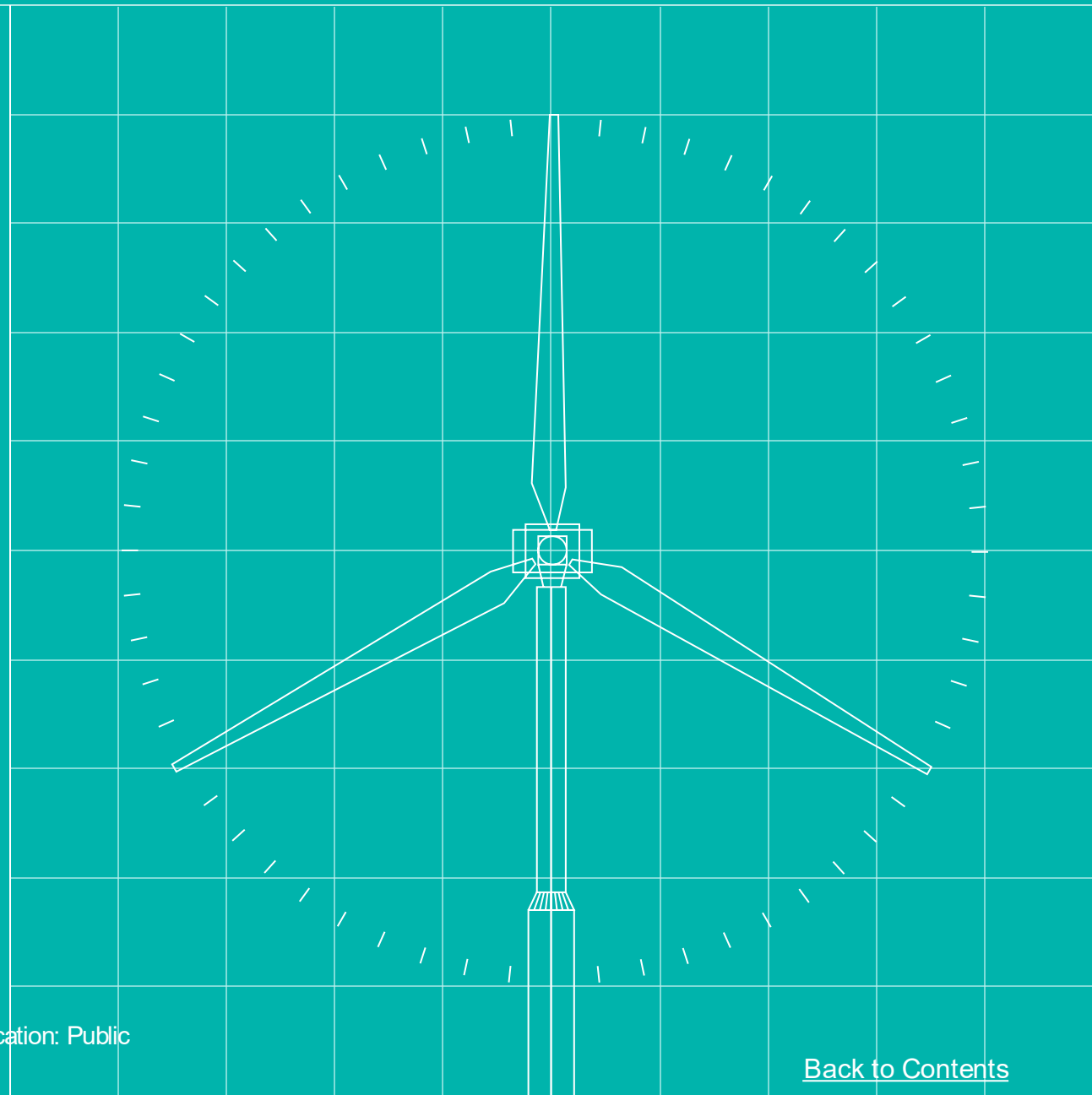
While acknowledging that SIT participant testing teams remain focused on completing critical activities to achieve SIT completion, the proposal is to hold a retrospective following SIT's conclusion. This session would provide an opportunity for industry participants to reflect on the MHHS testing and defect management journey - highlighting what worked well, using analysis of the testing process data and analysing defect trends (e.g. types, root causes, defect resolution and release performance), all to identify lessons that could help streamline future industry programme delivery.

In addition to conducting its own internal retrospective, the programme will propose a broader industry retrospective at the SIT Working Group to gauge interest and support for participation, the outcomes from which would be documented separately to this report and instead will form a section of the content within a MHHS planned 'Blueprint for subsequent Industry Programmes' document.

If you have any views on this subject that you would like to discuss bi-laterally, please speak to your MHHS PPC representative, or contact the MHHS testing mailbox.

Section 9: SITAG Recommendation

Note – section to be updated when SIT-A Settlements & Regression Completes



SIT Functional & Migration – SITAG Recommendation

The programme recommends the Exit Criteria for the SIT Functional & Migration Stages are on track to be met subject to testing outcomes of:

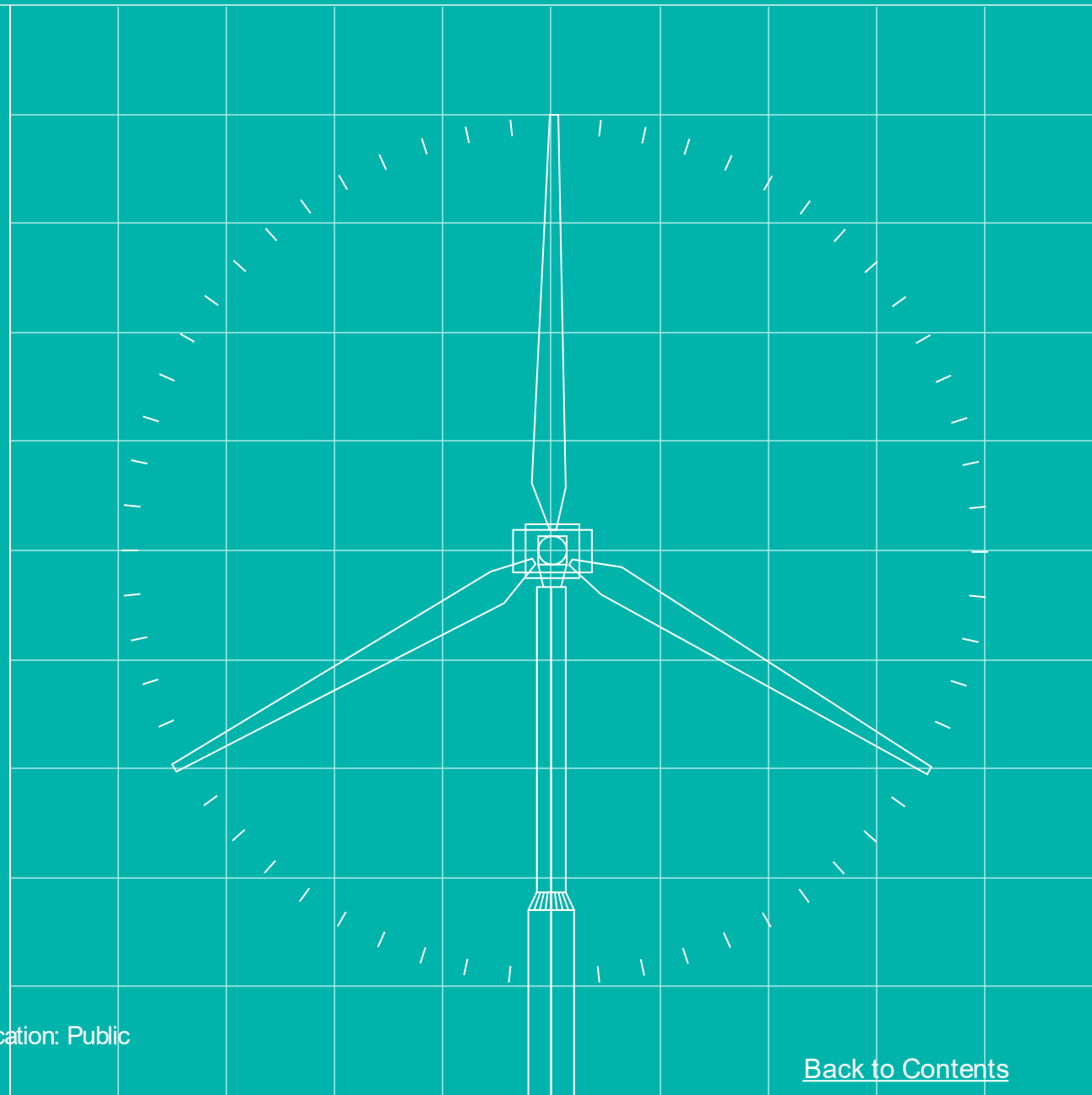
1. SIT-A Settlement Tests (Test Cases deferred to after Cycle 3)
2. SIT Functional & Migration Regression Testing
3. Settlement SAT Regression

Once completed, the following milestones should be approved:

T2-TE-0800	SIT Migration Testing Test Exit Report Approved

T2-TE-0850	SI SIT Functional Testing Test Exit Report Approved

Appendix A: Guidance on Overall Test Status Reporting Calculations



Guidance on Overall Test Status Reporting Calculations

EOS Overall Test Status Reporting

- ✓ Includes the overall combined Test Status per Cohort for SIT Functional, Settlements and Migration Test (**note** - excludes tests that are De-scoped or N/A)
- ✓ Includes Paired Test status where the Main Cohort is the Initiator
- ✓ Also Includes Paired Tests where their Paired Cohort is the initiator, as successful participation on these tests is also required to be demonstrated for the Main Cohort to Qualify
- ✓ This is therefore an accurate representation of the tests required to Qualify for an individual Cohort i.e. Total Tests for the individual Cohort (Passed and Remaining tests)

		Cohort A	Paired Cohort A, G & J (Initiator A)	Paired Cohort A, G & J (Initiator J)	Paired Cohort A & J (Initiator A)	Paired Cohort A & J (Initiator J)
SIT Functional (inc. Settlement) Overall Test Pass Status (Per Cohort)	Pass (IR5)	43	1	0	1	0
	Pass (IR7)	74	2	2	6	1
	Pass (IR8)	64	0	0	12	3
	Req'd	38	1	2	15	30
	Req'd (On Hold)	22	0	0	45	45
	Internal Blocker	4	0	0	0	0
	TOTAL	**245**	**4**	**4**	**79**	**79**
	% Pass	**74%**	**75%**	**50%**	**24%**	**5%**

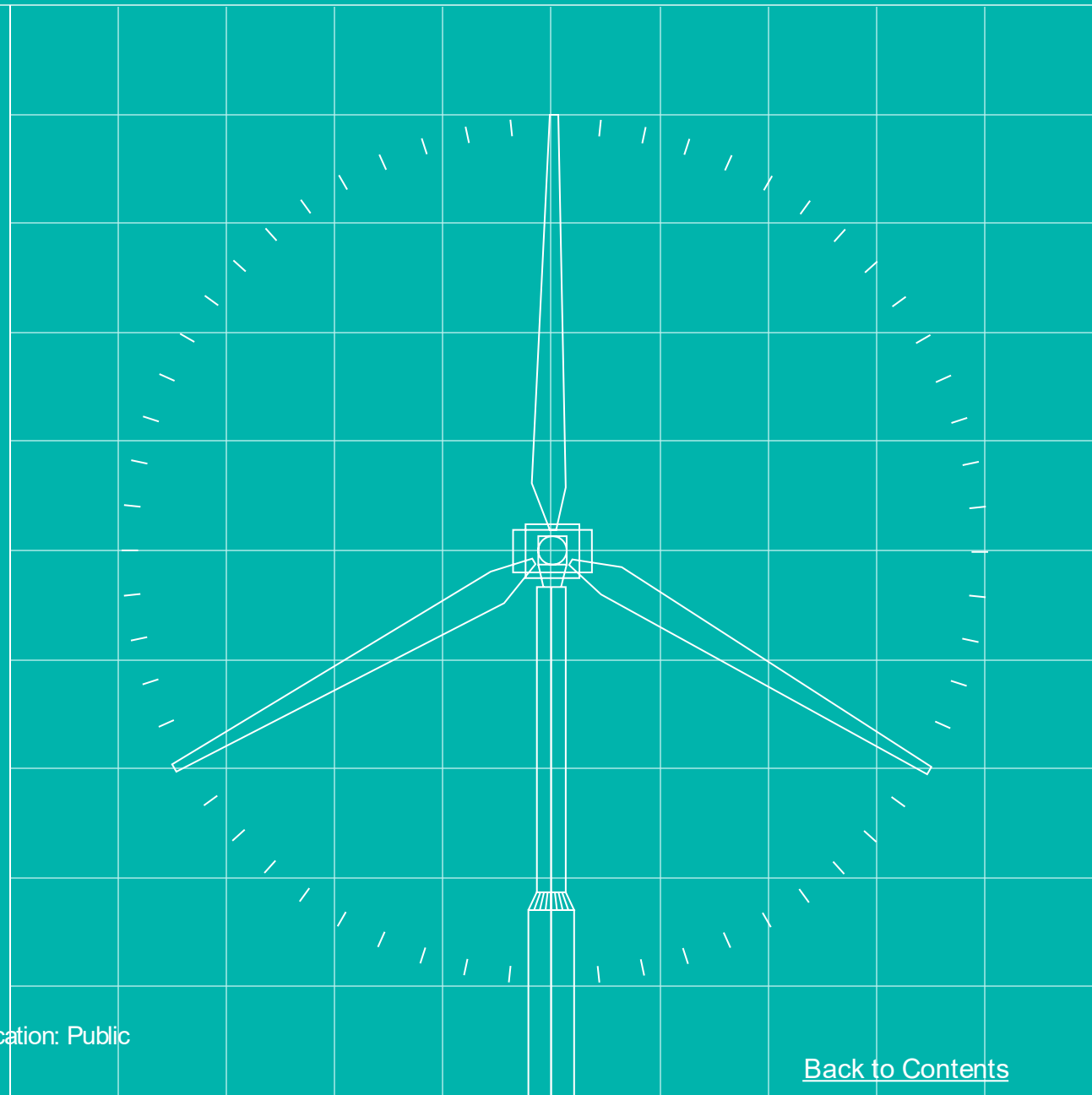
		Cohort A
SIT Migration Overall Test Pass Status (Per Cohort)	Pass (IR5)	0
	Pass (IR7)	27
	Pass (IR8)	17
	Req'd	4
	Req'd (On Hold)	8
	Internal Blocker	0
	TOTAL	**56**
	% Pass	**79%**

Note

The overall Test Status Calculations for Cohort A includes all Paired Tests initiated by both Cohorts A **and** J

	Cohort A
C1 Pass (IR5)	45
C2 Pass (IR7)	112
C3 Pass (IR8)	96
Req'd	90
Req'd (On Hold)	120
Internal Blocker	4
TOTAL	**467**
TOTAL Passed	**253**
% Pass	**54%**
Tests Remaining	**214**

Appendix B: Reference Guidance on Defect States, and Progress Status



Reference Guidance on Defect States, and Progress Status

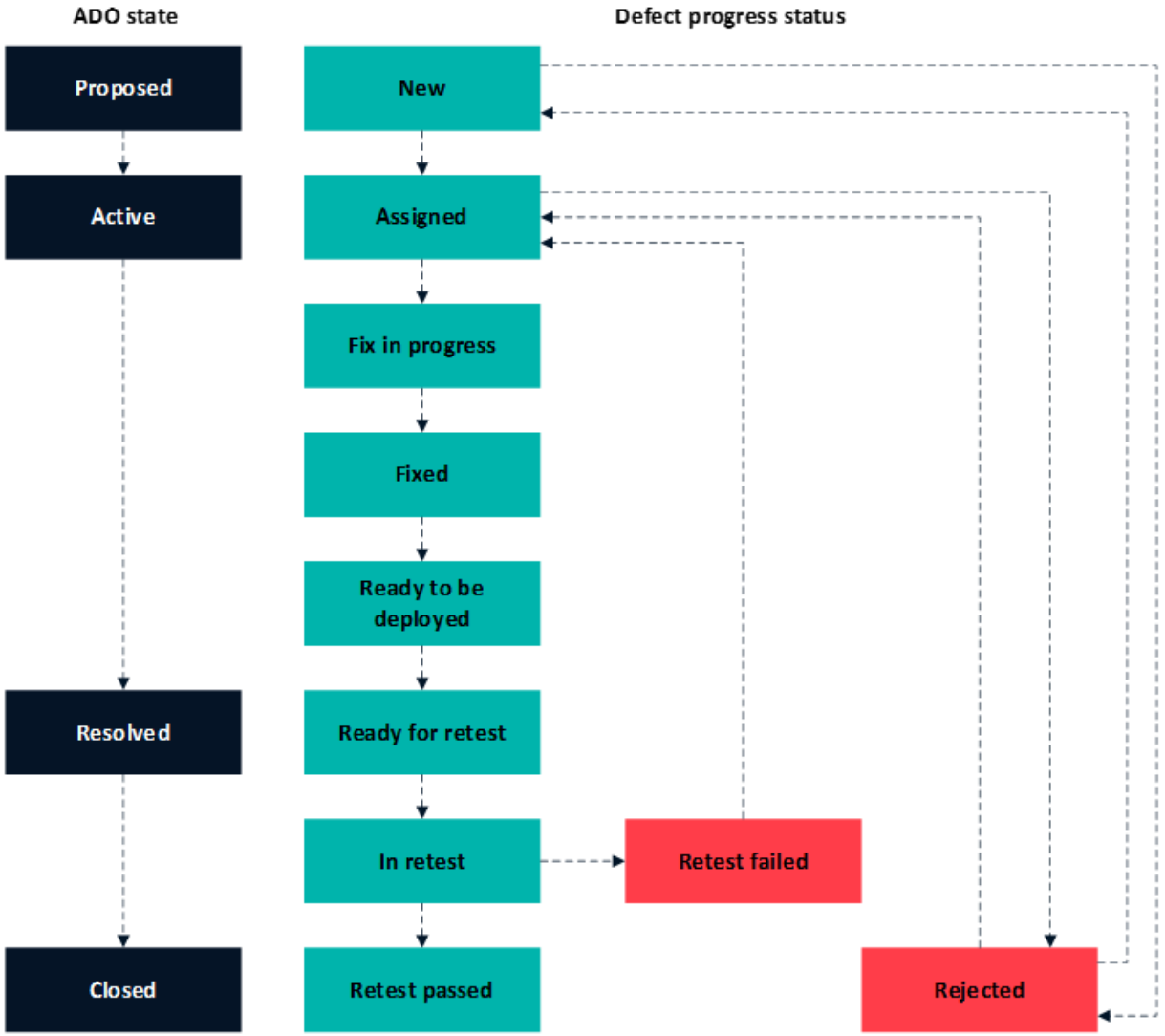
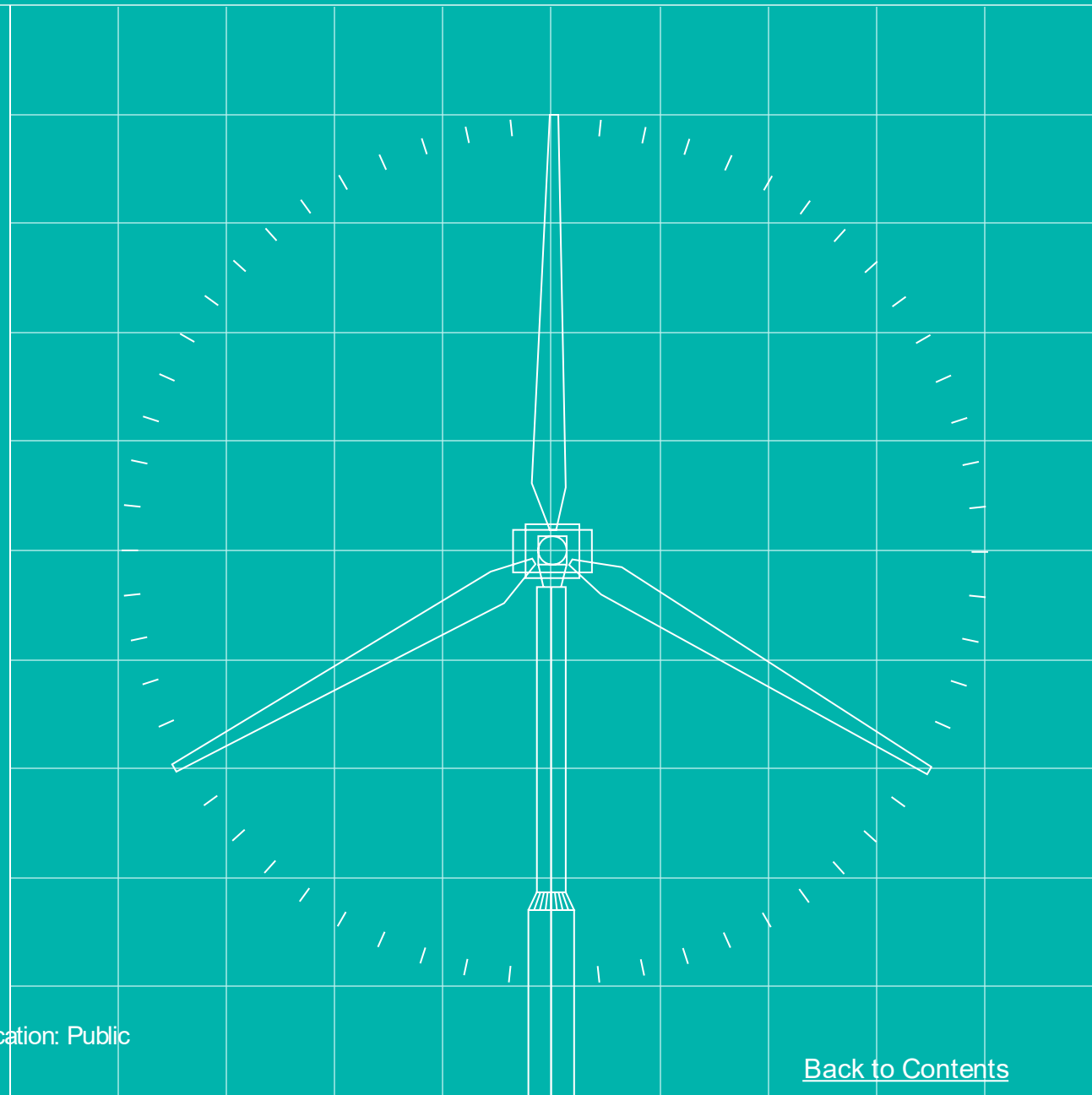


Figure 2 - ADO State Transitions

- **Proposed** = Defect awaits formal Triage to establish if it's an Issue or a Defect, (typically newly raised defects). Progress status is 'New'.
- **Active** = Post Triage, established by consensus of agreement as a defect. In flight, typically awaiting root cause, fix ETA or a response by PP or CPO. Progress statuses are 'Assigned', Fix In Progress' or 'Fixed'
- **Resolved** = Where root cause and remedial action are known. Related progress statuses are: 'Ready for Retest', 'In Retest', 'Passed Retest'
- **Closed** = Defect has successfully been retested, evidence has been attached and root cause / remedial action and market role where originated are known.

END