



MHHS
PROGRAMME

Industry-led, Elexon facilitated

SIT Operations SI Overarching Exit Report

Version 1.0 - Baseline following Extraordinary Systems Integration Testing Advisory Group (eSITAG) approval on 15 August 2025

MHHS-DEL4003

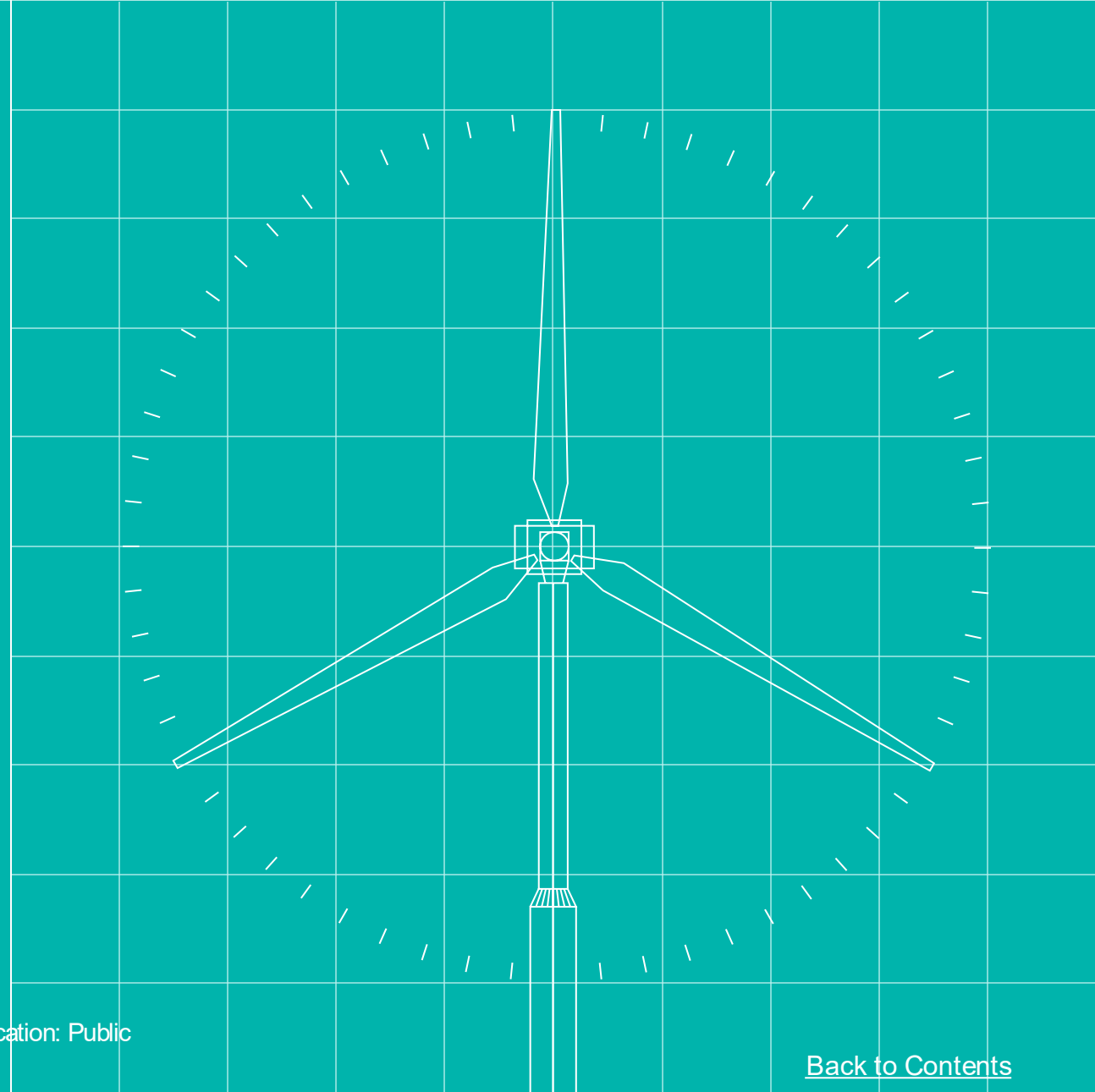
15 August 2025

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Section 0: Summary & Reference Documents



SIT Operations 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 **Operations Test Phase** is to validate the operational functions and processes of the central systems. This includes testing service management solutions as well as Business Continuity and Disaster Recovery (BC/DR) capabilities.

Note: BC/DR was not tested by Participants during the SIT Operations test phase. Instead, Participants were requested to provide an assurance document that this testing had been performed, and that QP's were compliant with the MHHS Requirements.

There will be obligations on all or most **SIT Participants** during **SIT Operations** Testing. This includes Suppliers, LDSOs, Data Services, and Metering Service Providers, where testing is required for scope items that impact their roles or services. Participants will be expected to demonstrate that a limited number of business requirements are met and that their operational processes are in place.

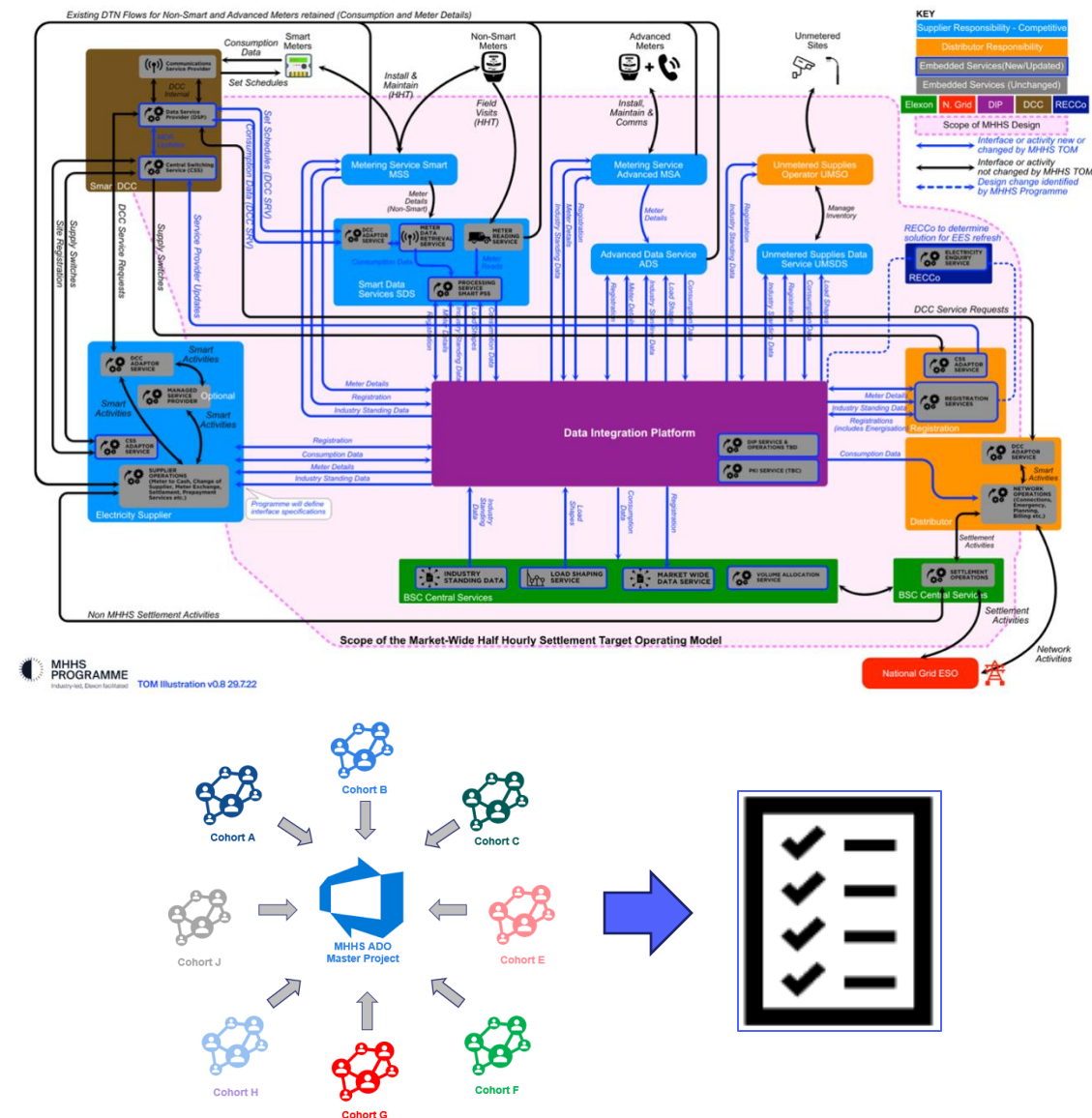
For full background, please refer to document [REF-07 [MHHS-DEL2417 SIT Operations Test Approach & Plan](#)]

Testing was undertaken with support from 8 'Cohorts' as well as Individual participants each comprising the MHHS Market Roles required to exercise the design.

SIT Operations was executed over 4 Themes:

- **Theme 1** – 31/03/2025 to 04/07/2025
- **Theme 2** – 31/03/2025 to 04/07/2025
- **Theme 3.1** – 02/02/2025 to 28/02/2025 (Volunteer Only)
- **Theme 3.2** – 31/03/2025 to 04/07/2025

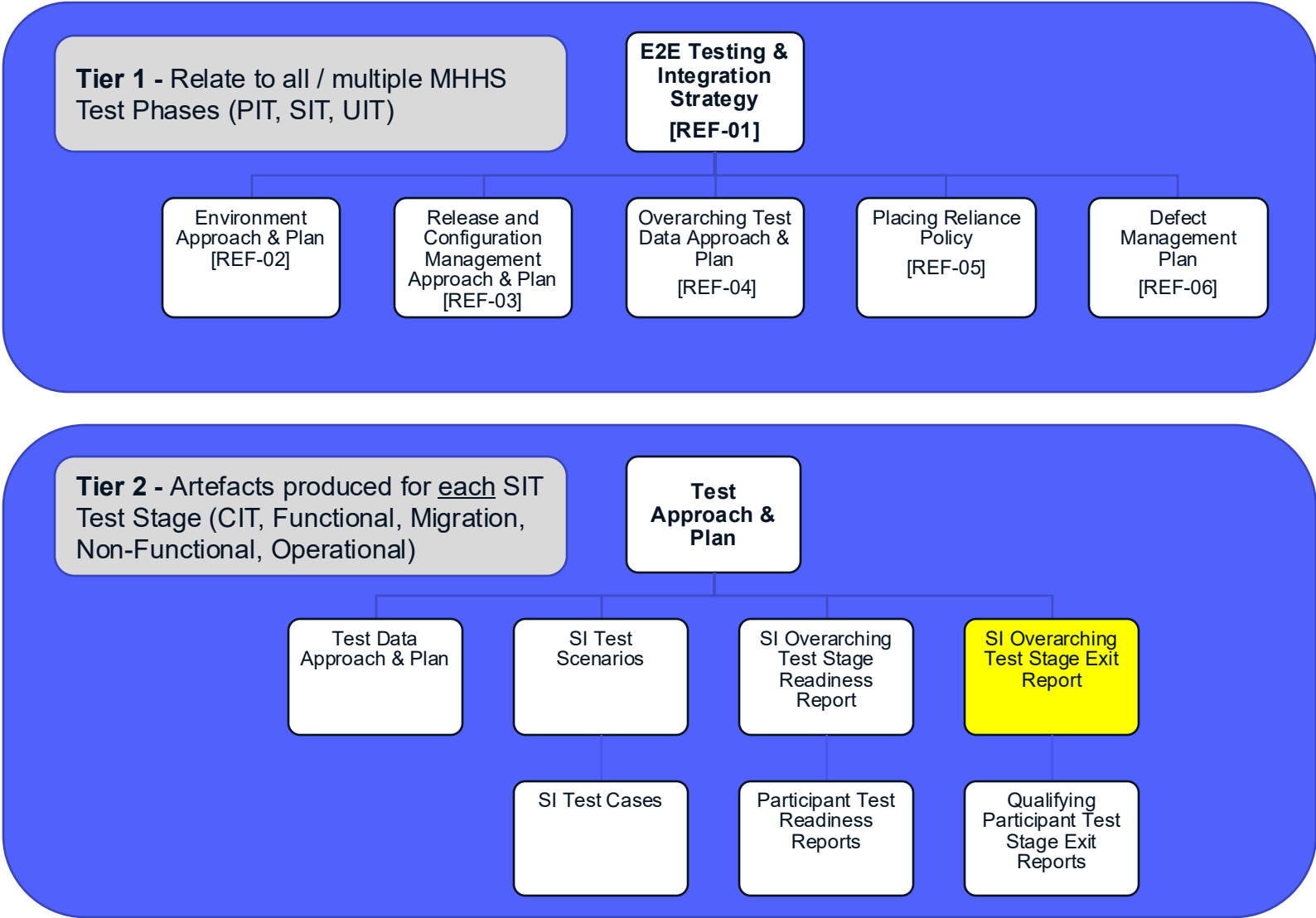
All MHHS SIT Participant testing was executed from and evidenced within the MHHS Azure DevOps test tool.



SIT Operations 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-DEL2417 SIT Operational Test Approach & Plan	
REF-08	MHHS-DEL2432 - SIT Operational Test Data Approach and Plan	
REF-09	SIT Operational Test Scenarios and Test Cases	
REF-13	MHHS-DEL030 - Programme Governance Framework	
REF-14	MHHS-DEL 3531 - SIT Operational Day-in-the-life (DITL) Guidance	
REF-15	MHHS-DEL 3471 SIT Test Scope Traceability	
REF-16	MHHS SIT-Operational Role Based RTTM	

SIT Operations – 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	✗	✗	✗	✗	✓

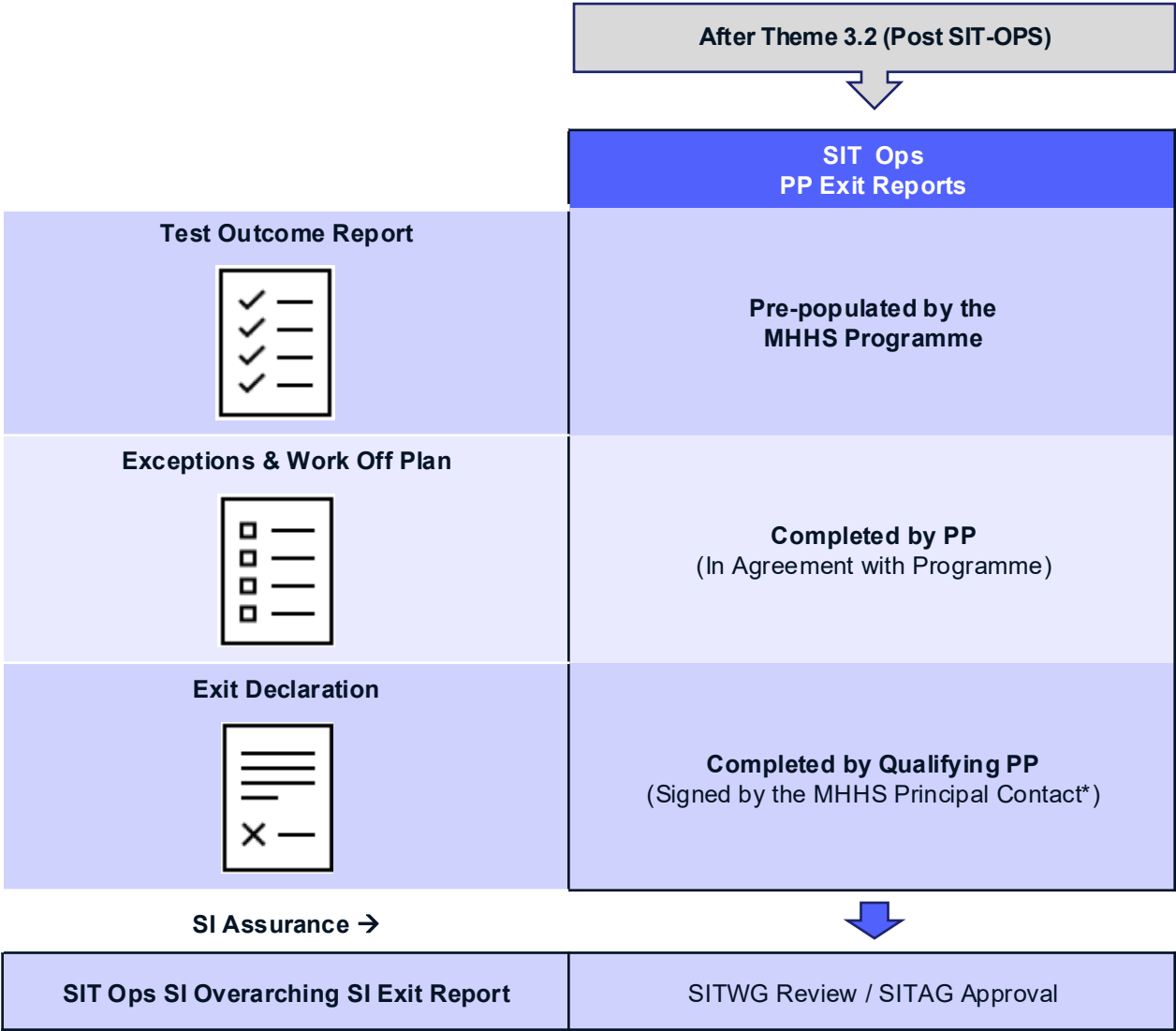
SIT Operations Exit Reporting - Guidance

Qualifying Participant Exit Reports

- The MHHS SI will pre-populate separate Ops PP Exit Reports with Test & Defect Outcomes (as per their end of Ops testing 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 Principal Contact within the Qualifying Party organisation and return the report to SI for Assurance

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

- SI will summarise the overall position for each Central Party, Cohort and Participant covering the status of:
 - a) Exit Criteria
 - b) Work Off Plans



**Principal Contact = The MHHS primary 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

SIT Stage / 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
Operations 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

SIT Operations SI Overarching Exit Report & Extract

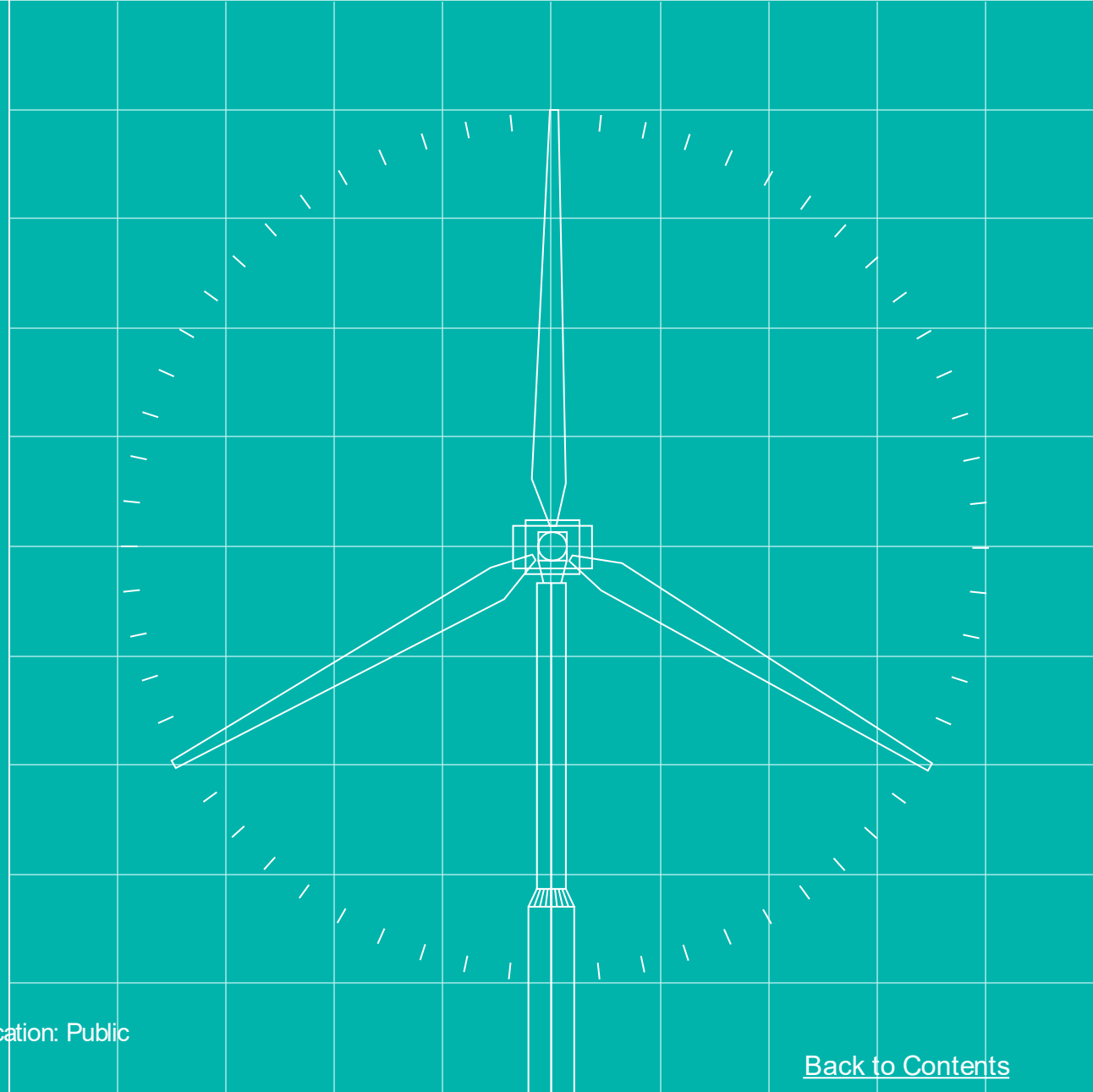
The Combined 'SIT Operations SI Overarching Exit Report' will consist of 2 corresponding artefacts (each with a unique document reference number):

#	Artefact	Summary
1	Exit Report (MHHS-DEL4003)	<ul style="list-style-type: none">• The report will provide a status of all SIT Operations tests and requirements associated with the MHHS Market Role(s) in SIT at the end of testing. 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
2	Test & Defect Extract (MHHS-DEL4004)	<ul style="list-style-type: none">• Due to the number of SIT Operations 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 testing and refer to an underpinning MS Excel extract containing the test, requirement and defects status for SIT Participants.

SIT Operations SI Overarching Exit Report Sections and Extract Contents

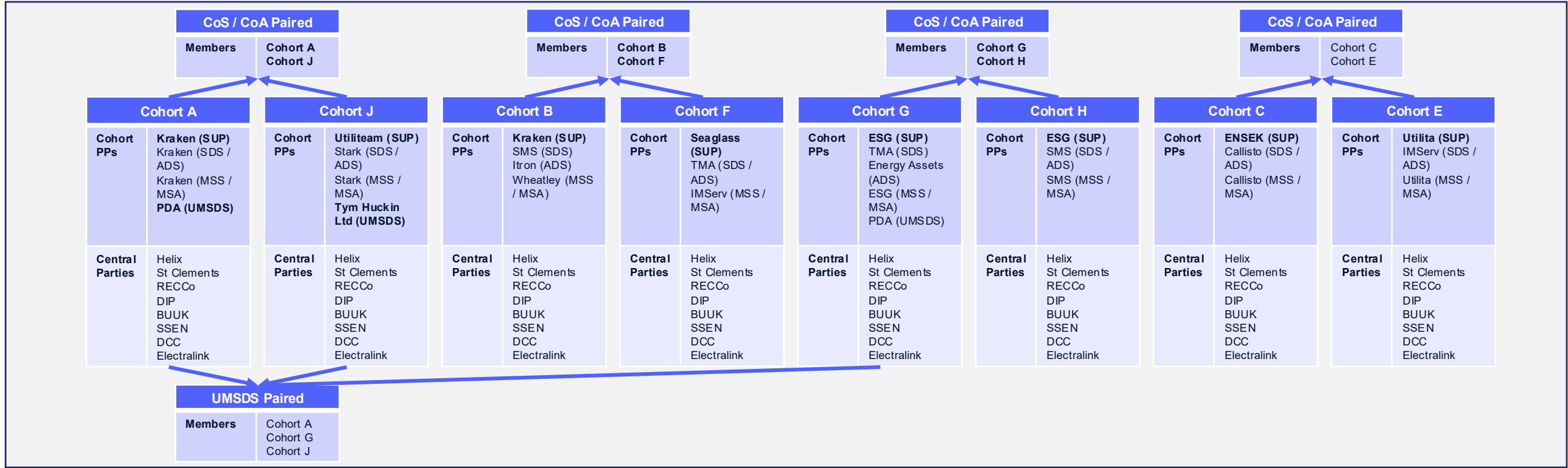
#	Artefact	Section / Extract	Notes
1	Exit Report (MHHS-DEL4003)	Background and Document Summary	Background, reference documents, document hierarchy, guide to Exit Reporting, guide to the structure and approach to Exit Reports, review and approval
		SIT Participants, Market Roles and Cohort Membership	This will include Central Parties, Qualifying Parties, where testing was delegated to any 3 rd Party Orgs, and Test Participant membership in Cohorts
		SIT Operations Test Scope	Summarises the scope of SIT OPS breaking down details by SIT OPS Theme
		SIT Operations Test Requirements Status Summary	<ul style="list-style-type: none"> This will summarise the status of Tests at the end of SIT OPS 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 This section will refer to details within the Test & Defect Extract
		Tests Passed with Observations or Workarounds	This will summarise tests passed with Observations or Work Around (referring to the extract for details)
		SIT Operations Defect Status Summary	<ul style="list-style-type: none"> 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 defects) and associated work off plans (if any) This section will refer to details within the Test & Defect Extract
		Exit Criteria Status	<ul style="list-style-type: none"> Shown grouped by Cohort (Exit Criteria will be listed by Qualifying Cohort Members, LDSO and Central Party), and Shown separately for Theme 1, Theme 2, Theme 3.1 and Theme 3.2
		PIT Work Off Items	<ul style="list-style-type: none"> Summary of outstanding PIT assurance items
		Programme Risks	<ul style="list-style-type: none"> A summary of open risks associated with the SIT Operations stage
		Approach to Lessons Learned	The Programme will outline the proposed approach to Post-SIT Phase Retrospective and Lessons Learned for Future Industry Programme
		SITAG Recommendation	This will be a recommendation declaration for SITAG
2	Test & Defect Extract (MHHS-DEL4004)	Cohort Test Status Report	A list of all tests in-scope for Cohorts in SIT Ops, with test status at the end of SIT Ops testing
		RTTM Based Test & Requirement Status Report	An RTTM based report which lists all in-scope Requirements, mapped to test stage test cases, themes and roles, and records the outcome status for each Participant. This also marks where tests cases were not run by a Participant due to an approved Dispensation.
		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 3 rd Party)
		Defects Extract	A list of all defects <u>raised and resolved</u> by SIT Participants, including the status of the defect at the end of the stage

Section 1: SIT Participants, Market Roles and Cohort Membership



SIT Operations – Cohort Testing

- SIT Operations Themes 1 & 2 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
- Themes 3.1 and 3.2, were participant based (as opposed to cohort based) and centred around DIP User and Service User requirements, and therefore required no Cohort structure to support tests
- 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)
- 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, and DIP) 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 Operations - 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 Ops 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 Trading Ltd (TILL)	SUP	Cohort C	Yes	ENSEK
British Gas Trading Ltd (BGAS)	MSS	Cohort C	Yes	Callisto
British Gas Trading Ltd (BGAS)	MSA	Cohort C	Yes	Callisto
Callisto Data Limited (ACCU)	SDS	Cohort C	No	Callisto
Callisto Data Limited (MDSL)	ADS	Cohort C	No	Callisto
E (Gas and Electricity) Ltd (EGDX)	SUP	Cohort G	Yes	ESG
E (Gas and Electricity) Ltd (EGDX)	SUP	Cohort H	Yes	ESG
E.ON Next Energy Ltd (EOND)	SUP	Cohort B	Yes	Kraken
Edgware Energy Ltd (EDGE)	SUP	Cohort J	Yes	Utiliteam
EDF Energy Customers Ltd (Business Solution) (LOND)	MSA	Cohort G	Yes	ESG
OVO Energy Limited (IHTL)	MSS	Cohort G	Yes	ESG
Energy Assets Networks Limited (BMET)	MSS	Cohort G	Yes	ESG
Energy Assets Networks Limited (BMET)	MSA	Cohort G	Yes	ESG
Energy Assets Networks Limited (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 Data Services (KTDS)	ADS	Cohort A	No	Kraken
Kraken Data Services (KTDS)	SDS	Cohort A	No	Kraken

SIT Operations - 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 Commercial Gas Limited (NATP)	ADS	Cohort B	Yes	Itron
Npower Commercial Gas Limited (NATP)	MSA	Cohort B	Yes	Wheatley
Itron Metering Solution UK Ltd (ITAD)	ADS	Cohort B	No	Itron
E.ON UK Energy Service 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 (SSIL)	ADS	Cohort J	No	Stark
Stark Software International (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 Energy (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
Southern Electric Power Distribution Plc (SOUT)	REGS	All	Yes	SSEN
Southern Electric Power Distribution Plc (SOUT)	LDSO	All	No	SSEN
Southern Electric Power Distribution Plc (SOUT)	UMSO	All	No	SSEN
The Electricity Network Company Ltd (BUUK) (ETCL)	REGS	All	Yes	BUUK
The Electricity Network Company Ltd (BUUK) (ETCL)	LDSO	All	No	BUUK
The Electricity Network Company Ltd (BUUK) (ETCL)	UMSO	All	No	BUUK

SIT Operations - 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	BUUK
Core Provider	LDSO	ETCL	R	BUUK
Core Provider	UMSO	ETCL	3	BUUK
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	SSEN
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

SIT Operations - 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	Ittron
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	BUUK
Core Provider	LDSO	ETCL	R	BUUK
Core Provider	UMSO	ETCL	3	BUUK
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	SSEN
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

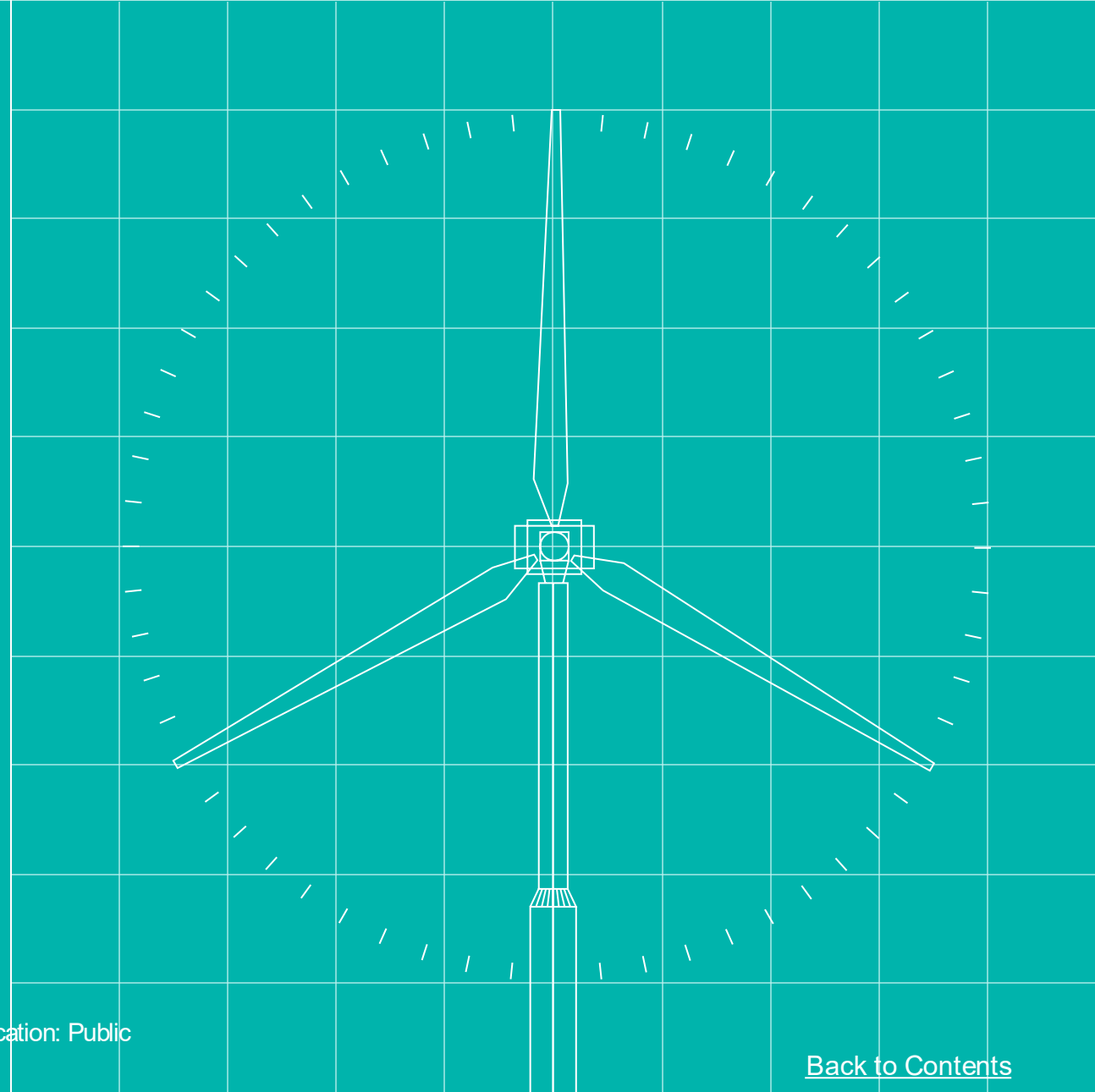
SIT Operations - Main / Paired Cohort 'Testing Participant Organisation' Membership (3 of 4)

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	BUUK
Core Provider	LDSO	ETCL	R	BUUK
Core Provider	UMSO	ETCL	3	BUUK
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	SSEN
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

SIT Operations - 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	BUUK
Core Provider	LDSO	ETCL	R	BUUK
Core Provider	UMSO	ETCL	3	BUUK
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	SSEN
Core Provider	LDSO	SOUT	R	SSEN
Core Provider	UMSO	SOUT	3	SSEN

Section 2: SIT Operations Test Scope



SIT Operations Test Scope

The scope of the MHHS SIT Operational Testing was summarised as follows in the SIT Operational Test Approach & Plan:

- 1. Operational Processes impacted as a result of MHHS inclusive DIP Onboarding and Offboarding
- 2. Business Continuity / Disaster Recovery – This was not tested by Participants during the SIT Operations test phase. Participants had to provide an assurance document that this testing had been performed, and that they were compliant with the MHHS Requirements
- 3. Service Management – processes/workflows
- 4. Operational Choreography
- 5. Demonstrate LDSO operability with MPRS (in own target infrastructure)
- 6. Business Requirements (limited)
- 7. Security

During testing the tests were collated into 4 themes, as per the table below.

During SIT Operations testing, several tests were descoped. All tests descoped were reviewed with the DIP Manager and Code Bodies to identify opportunities for efficiencies and potential deduplication of tests (these de-scoped tests are listed in the remainder of this section).

Detailed information on descoped tests is available in the ‘MHHS-DEL3471 SIT Test Scope Traceability v1.4’ [\[REF-15\]](#)

SIT Operations Themes	Original Scope (Tests)	Descoped (Tests)	Final Scope
Theme 1 - Bus Requirements	55	15 *	40
Theme 2 - Operational Choreography	49	3	46
Theme 3.1 Service Management	37	0	37
Theme 3.2 DIP	38	21	17
Total	179	39	140

** There are 2 tests (SITOPS-BR04 TC01 and SITOPS-BR05 TC01) which have been approved for descope by the code bodies, but have not yet been updated in the SIT Test Scope Traceability v1.4 document. These tests will be added to this document retrospectively.*

SIT Operations Descoped Requirements & Test Cases – Theme 1 (1 of 4)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
British Gas Trading Ltd	Ensek	SUP	MHHS-BR-SU-138 MHHS-BR-LD-062 MHHS-BR-LD-063 MHHS-BR-SU-126 MHHS-BR-DS-143 MHHS-BR-MS-073 MHHS-BR-RS-137 MHHS-BR-SU-127 MHHS-BR-MS-073.1 MHHS-BR-RS-138 E2E0108 E2E0109 E2E0201	Theme 1 – Bus Requirements	SITOPS-BR16 TC01	Descoped	At a Code Bodies meeting on 02/05/25, it was confirmed that BR16 can be descoped, as the requirements were previously proven during PIT testing. These tests were removed from scope before the start of Theme 1 execution. A total of 10 tests were descoped, which included tests: SITOPS BR16 TC01-10 Code Bodies agreed that where requirements could be tested, they should be mapped to the following test cases: <ul style="list-style-type: none">SITOPS-BR12 TC01-TC09SITOPS BR01 TC01 (SDS)SITOPS BR02 TC01 (ADS)
E (Gas and Electricity)	ESG Global	SUP			SITOPS-BR16 TC01	Descoped	
E.ON Next Energy Ltd	Kraken	SUP			SITOPS-BR16 TC01	Descoped	
Edgware Energy Ltd	Utiliteam	SUP			SITOPS-BR16 TC01	Descoped	
Octopus Energy Limited	Kraken	SUP			SITOPS-BR16 TC01	Descoped	
Unify Energy	Seaglass	SUP			SITOPS-BR16 TC01	Descoped	
Utilita Energy Limited	Utilita	SUP			SITOPS-BR16 TC01	Descoped	
Callisto Data Ltd	Callisto	ADS			SITOPS-BR16 TC02	Descoped	
Energy Assets Network Ltd	Energy Assets	ADS			SITOPS-BR16 TC02	Descoped	
IMServ Europe Ltd	IMServ	ADS			SITOPS-BR16 TC02	Descoped	
Kraken Data Services	Kraken	ADS			SITOPS-BR16 TC02	Descoped	
NPower Commercial Gas Limited	Itron	ADS			SITOPS-BR16 TC02	Descoped	
SMS Energy Services Limited	SMS	ADS			SITOPS-BR16 TC02	Descoped	
Stark Software International	Stark	ADS			SITOPS-BR16 TC02	Descoped	
TMA	TMA	ADS			SITOPS-BR16 TC02	Descoped	
British Gas Trading Ltd	Callisto	MSA			SITOPS-BR16 TC03	Descoped	
EDF Energy Customers Ltd	ESG Global	MSA			SITOPS-BR16 TC03	Descoped	
Energy Assets Network Ltd	ESG Global	MSA			SITOPS-BR16 TC03	Descoped	
IMServ Europe Ltd	IMServ	MSA			SITOPS-BR16 TC03	Descoped	
NPower Commercial Gas Ltd	Wheatley	MSA			SITOPS-BR16 TC03	Descoped	
Octopus Energy Services Limited	Kraken	MSA			SITOPS-BR16 TC03	Descoped	
SMS Energy Services Ltd	SMS	MSA			SITOPS-BR16 TC03	Descoped	
SMS Energy Services Ltd	SMS	MSA			SITOPS-BR16 TC03	Descoped	
Stark Connect Ltd	Stark	MSA			SITOPS-BR16 TC03	Descoped	
Utilita Energy Limited	Utilita	MSA			SITOPS-BR16 TC03	Descoped	

SIT Operations Descoped Requirements & Test Cases – Theme 1 (2 of 4)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
Southern Electric Power Distribution Plc (LDSO)	SSEN	REGS	MHHS-BR-SU-138 MHHS-BR-LD-062 MHHS-BR-LD-063 MHHS-BR-SU-126 MHHS-BR-DS-143 MHHS-BR-MS-073 MHHS-BR-RS-137 MHHS-BR-SU-127 MHHS-BR-MS-073.1 MHHS-BR-RS-138 E2E0108 E2E0109 E2E0201	Theme 1 – Bus Requirements	SITOPS-BR16 TC03	Descoped	<p>At a Code Bodies meeting on 02/05/25, it was confirmed that BR16 can be descoped, as the requirements were previously proven during PIT testing. These tests were removed from scope before the start of Theme 1 execution. A total of 10 tests were descoped, which included tests: SITOPS BR16 TC01-10</p> <p>Code Bodies agreed that where requirements could be tested, they should be mapped to the following test cases:</p> <ul style="list-style-type: none">SITOPS-BR12 TC01-TC09SITOPS BR01 TC01 (SDS)SITOPS BR02 TC01 (ADS)
The Electricity Network Company Ltd (BUUK) (LDSO)	C&C	REGS			SITOPS-BR16 TC03	Descoped	
Southern Electric Power Distribution Plc (LDSO)	SSEN	REGS			SITOPS-BR16 TC04	Descoped	
Southern Electric Power Distribution Plc (LDSO)	SSEN	LDSO			SITOPS-BR16 TC05	Descoped	
British Gas Trading Ltd	Ensek	SUP			SITOPS BR16 TC06	Descoped	
E (Gas and Electricity)	ESG Global	SUP			SITOPS BR16 TC06	Descoped	
E.ON Next Energy Ltd	Kraken	SUP			SITOPS BR16 TC06	Descoped	
Edgware Energy Ltd	Utiliteam	SUP			SITOPS BR16 TC06	Descoped	
Octopus Energy Limited	Kraken	SUP			SITOPS BR16 TC06	Descoped	
Unify Energy	Seaglass	SUP			SITOPS BR16 TC06	Descoped	
Utilita Energy Limited	Utilita	SUP			SITOPS BR16 TC06	Descoped	
Callisto Data Ltd	Callisto	SDS			SITOPS-BR16 TC07	Descoped	
IMServ Europe Ltd	IMServ	SDS			SITOPS-BR16 TC07	Descoped	
Kraken Data Services	Kraken	SDS			SITOPS-BR16 TC07	Descoped	
SMS Energy Services Limited	SMS	SDS			SITOPS-BR16 TC07	Descoped	
Stark Software International	Stark	SDS			SITOPS-BR16 TC07	Descoped	
TMA	TMA	SDS			SITOPS-BR16 TC07	Descoped	
Southern Electric Power Distribution Plc (LDSO)	SSEN	LDSO			SITOPS-BR16 TC08	Descoped	
The Electricity Network Company Ltd (BUUK) (LDSO)	C&C	LDSO			SITOPS-BR16 TC08	Descoped	
British Gas Trading Ltd	Callisto	MSS			SITOPS-BR16 TC08	Descoped	
E.ON UK Energy Services Ltd	Wheatley	MSS			SITOPS-BR16 TC08	Descoped	
Energy Assets Network Ltd	ESG Global	MSS			SITOPS-BR16 TC08	Descoped	
IMServ Europe Ltd	IMServ	MSS			SITOPS-BR16 TC08	Descoped	
Octopus Energy Services Ltd	Kraken	MSS			SITOPS-BR16 TC08	Descoped	
OVO Energy Limited	ESG Global	MSS			SITOPS-BR16 TC08	Descoped	
Stark Connect Ltd	Stark	MSS			SITOPS-BR16 TC08	Descoped	
Utilita Energy Limited	Utilita	MSS			SITOPS-BR16 TC08	Descoped	
Southern Electric Power Distribution Plc (LDSO)	SSEN	REGS			SITOPS-BR16 TC09	Descoped	
Southern Electric Power Distribution Plc (LDSO)	SSEN	LDSO			SITOPS-BR16 TC10	Descoped	

SIT Operations Descoped Requirements & Test Cases – Theme 1 (3 of 4)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as ‘Met’ in SIT Ops 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 Data Ltd	Callisto	SDS	MHHS-BR-DS-20	Theme 1- Bus Requirements	SITOPS-BR04 TC01 (SDS)	Descoped	On 28/03/25 the Code Bodies confirmed that BR04 and BR05 could be descoped from Operations Testing prior to execution starting. The reason for this was that the tests were no longer deemed as valid as it is related to functionality which is out of scope of the MHHS design, such as DCC service requests and other existing DCC functionality. Furthermore, DCC was not in the SIT-B test environment. These 2 tests (SITOPS-BR04 TC01 and SITOPS-BR05 TC01) have been approved for descope by the code bodies, but have not yet been updated in the SIT Test Scope Traceability v1.4 document. These tests will be added to this document retrospectively.
IMServ Europe Ltd	IMServ	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
Kraken Data Services	Kraken	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
Utilita Energy Limited	Utilita	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
SMS Energy Services Ltd	SMS	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
Stark Software International	Stark	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
Stark Software International	Stark	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
TMA	TMA	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
TMA	TMA	SDS			SITOPS-BR04 TC01 (SDS)	Descoped	
Callisto Data Ltd	Callisto	SDS	MHHS-BR-DS-048 MHHS-BR-SU-039		SITOPS-BR05 TC01 (SDS)	Descoped	
IMServ Europe Ltd	IMServ	SDS			SITOPS-BR05 TC01 (SDS)	Descoped	
Kraken Data Services	Kraken	SDS			SITOPS-BR05 TC01 (SDS)	Descoped	
Utilita Energy Limited	Utilita	SDS			SITOPS-BR05 TC01 (SDS)	Descoped	
SMS Energy Services Ltd	SMS	SDS			SITOPS-BR05 TC01 (SDS)	Descoped	

SIT Operations Descoped Requirements & Test Cases – Theme 1 (4 of 4)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
Callisto Data Ltd	Callisto	ADS	MHHS-BR-DS-107	Theme 1- Bus Requirements	SITOPS-BR06 TC03 - ADS	Descoped	At a Code Bodies Meeting on 02/05/25, it was confirmed that BR06 can be descoped. The reason for this is that this is a BAU process that is covered via an email. Also, this has been tested under SIT FTS-0295 TC12 and TC13.
Energy Assets Network Ltd	Energy Assets	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
IMServ Europe Ltd	IMServ	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
Kraken Data Services	Kraken	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
NPower Commercial Gas Limited	Itron	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
SMS Energy Services Ltd	SMS	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
Stark Software International	Stark	ADS			SITOPS-BR06 TC03 - ADS	Descoped	
TMA	TMA	ADS			SITOPS-BR06 TC03 - ADS	Descoped	

SIT Operations Descoped Requirements & Test Cases – Theme 2 (1 of 2)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as ‘Met’ in SIT Ops 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
British Gas Trading Ltd	Ensek	SUP	MHHS-BR-MS-021	Theme 2 - Operational Choreography	SITOPS-OPC007 MissMTD TC03 AdvHH SITOPS-OPC008- MissMTD-TC01 TRAD	Descoped	These are Change of Agent migration requirements, covered by SITM testing.
E (Gas and Electricity)	ESG Global	SUP	MHHS-BR-MS-022				
			MHHS-Migration-CoA(MS)-RS-001				
			MHHS-Migration-CoA(MS)-MOP-001				
E.ON Next Energy Ltd	Kraken	SUP	MHHS-BR-MS-018				
			MHHS-BR-MS-020				
			MHHS-BR-MS-019				
			MHHS-BR-MS-028				
Edgware Energy Ltd	Utiliteam	SUP	MHHS-BR-DS-015				
			MHHS-BR-DS-016				
			MHHS-BR-MS-007				
			MHHS-BR-DS-013				
Octopus Energy Limited	Kraken	SUP	MHHS-BR-MS-023				
			MHHS-BR-MS-024				
			MHHS-BR-DS-002				
			MHHS-BR-DS-003				
Unify Energy	Seaglass	SUP	MHHS-BR-DS-005				
			MHHS-BR-DS-006				
			MHHS-BR-DS-006.1				
			MHHS-BR-MS-030				
			MHHS-Migration-CoA(MS)-LDSO-001				
			MHHS-BR-LD-003				
			MHHS-Migration-Mis-SUP-005				
			MHHS-Migration-Mis-DS-005				
			MHHS-Migration-Mis-MS-004				
			MHHS-Migration-Mis-DC-006				
			MHHS-Migration-Mis-EES-001				
			MHHS-Migration-Mis-ECS-001				
			MHHS-BR-LD-067				
			MHHS-BR-SU-139				
Utilita Energy Limited	Utilita	SUP					

SIT Operations Descoped Requirements & Test Cases – Theme 2 (2 of 2)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
N/A	N/A	MOP	MHHS-BR-DS-156 MHHS-RMigration-CoA(DS)-ECS-001 MHHS-RMigration-CoA(MS)-EES-001 MHHS-RMigration-CoA(MS)-EES-002 MHHS-RMigration-CoA(DS)-EES-001 MHHS-RMigration-CoA(DS)-EES-002 MHHS-RMigration-CoA(MS)-SUP-003 MHHS-RMigration-CoA(DS)-SUP-004 MHHS-RMigration-CoA(MS)-MS-002 MHHS-RMigration-CoA(DS)-DC-002 MHHS-Migration-Mis-SUP-004 MHHS-Migration-Mis-RS-019 MHHS-Migration-Mis-DS-004 MHHS-Migration-Mis-MS-003 MHHS-Migration-Mis-DS-001 MHHS-Migration-Mis-DS-002 MHHS-Migration-Mis-DC-002 MHHS-Migration-Mis-DC-005 MHHS-Migration-Mis-MS-002 MHHS-BR-LD-067	Theme 2 - Operational Choreography	SITOPS-OPC009 RM MissMTD TC03 SM	Descoped	This is a Reverse Migration test against the MOP, which is not a role in SIT, and therefore is an invalid test.

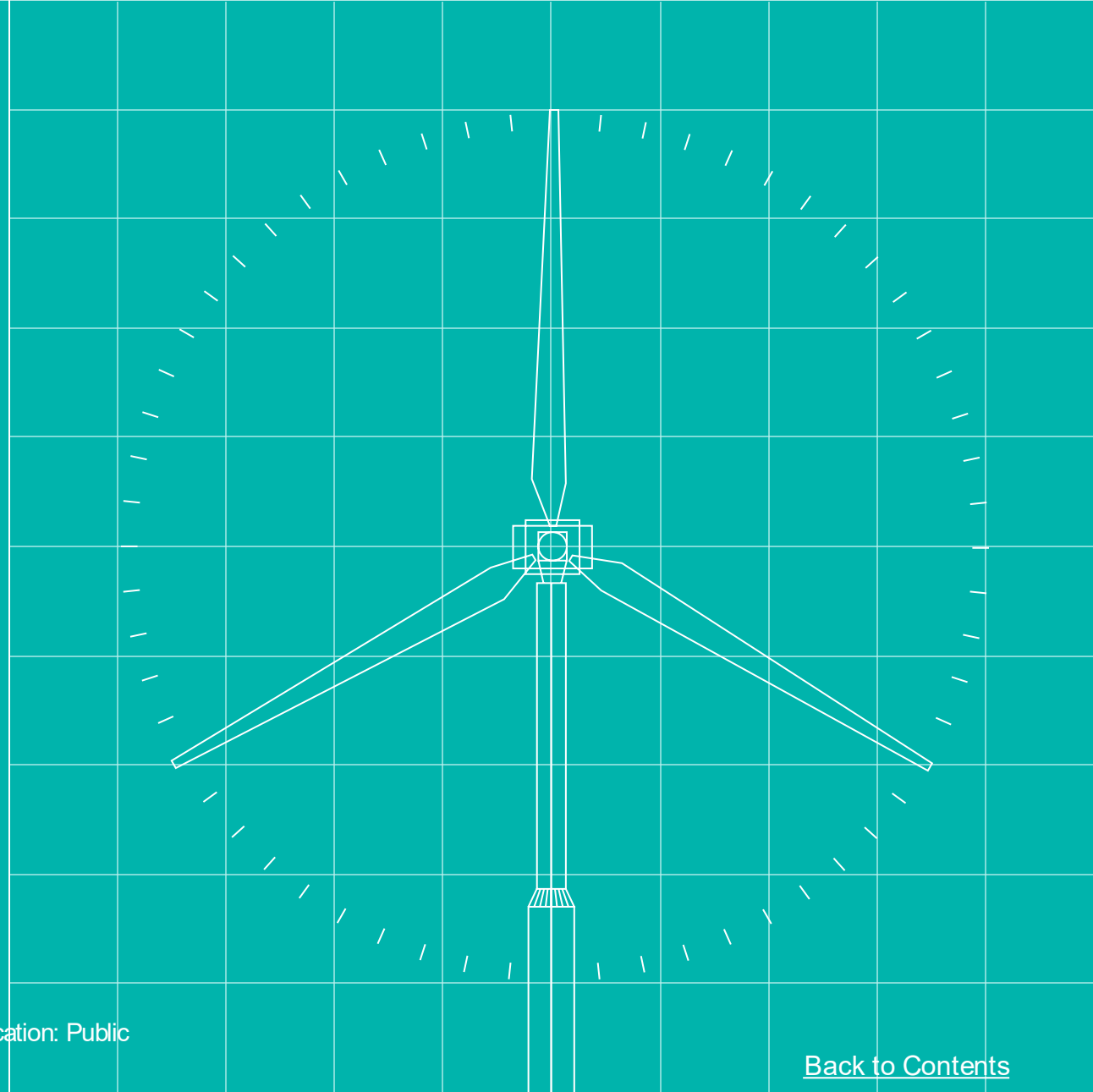
SIT Operations Descoped Requirements & Test Cases – Theme 3.2 (1 of 2)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
E (Gas and Electricity)	ESG Global	All Service	MHHS-DEL3236 SITOPS_DIP07_DIP In-Life qualification	Theme 3.2 - DIP	SITOPS-DIP07 TC01	Descoped	DIP07 TC01 & TC02 tests were descoped and agreed by SRO, DIP Manager, and Code Bodies. This test would have required the removal of ISD details from the DIP, and would have stopped all testing on both SITA and SITB environments. See Defect ID 54753.
Kraken Data Services	Kraken	All Service	MHHS-DEL3236 SITOPS_DIP07_DIP In-Life qualification		SITOPS-DIP07 TC02	Descoped	
N/A	N/A	All Service	MHHS-DEL3257 SITOPS_DIP11_DIP Domain Re-verification		SITOPS-DIP11 TC01	Descoped	No Requirements are linked to this test case.
Callisto Data Ltd	Callisto	All Service	E2E0105 NFR0044		SITOPS-DIP09 TC01	Descoped	12 Tests were approved to be descoped by the DIP Manager, SRO, and Code Bodies. The test cases are related to E2E0105 and NFR0044 which are covered mainly by PIT NFT and E2E0105 which is covered by SIT NFT. See Defect ID 54775.
Energy Assets Network Ltd	Energy Assets	All Service			SITOPS-DIP09 TC02	Descoped	
British Gas Trading Ltd	Ensek	All Service			SITOPS-DIP09 TC03	Descoped	
E (Gas and Electricity)	ESG Global	All Service			SITOPS-DIP09 TC04	Descoped	
IMServ Europe Ltd	IMServ	All Service			SITOPS-DIP09 TC05	Descoped	
NPower Commercial Gas Limited	Itron	All Service			SITOPS-DIP09 TC06	Descoped	
E.ON Next Energy Ltd	Kraken	All Service			SITOPS-DIP09 TC07	Descoped	
Kraken Data Services	Kraken	All Service			SITOPS-DIP09 TC08	Descoped	
Utilita Energy Limited	Utilita	All Service			SITOPS-DIP09 TC09	Descoped	
Octopus Energy Limited	Kraken	All Service			SITOPS-DIP09 TC10	Descoped	
Unify Energy	Seaglass	All Service			SITOPS-DIP09 TC11	Descoped	
SMS Energy Services Ltd	SMS	All Service			SITOPS-DIP09 TC12	Descoped	
Stark Software International	Stark	All Service					
TMA	TMA	All Service					
Edgware Energy Ltd	Utiliteam	All Service					

SIT Operations Descoped Requirements & Test Cases – Theme 3.2 (2 of 2)

Qualifying Participant	Testing Participant Organisation	Role Tag	Unique Requirement Reference (Role Tagged)	Theme	TC Title	Reason	SI Test Assurance Commentary
British Gas Trading Ltd	Ensek	All Service	E2E0206 E2E0402 NFR0308	Theme 3.2 – DIP	SITOPS-DIP10 TC01 SITOPS-DIP10 TC02 SITOPS-DIP10 TC03 SITOPS-DIP10 TC04 SITOPS-DIP10 TC05 SITOPS-DIP10 TC06	Descoped	6 Tests for DIP10 TC01 to TC06 were agreed to be descoped by the SRO, DIP Manager and Code Bodies. The reason for this is that DIP by design will not send messages to the Dead Letter Queue (DLQ). The DLQ is only used as a last resort when DIP is unable to recover from a failure. See Defect ID 54795. Please note the DLQ requirements were tested in the DIP10TC07-12 test cases.
Callisto Data Ltd	Callisto	All Service				Descoped	
E (Gas and Electricity)	ESG Global	All Service				Descoped	
E.ON Next Energy Ltd	Kraken	All Service				Descoped	
Edgware Energy Ltd	Utiliteam	All Service				Descoped	
Energy Assets Network Ltd	Energy Assets	All Service				Descoped	
IMServ Europe Ltd	IMServ	All Service				Descoped	
Kraken Data Services	Kraken	All Service				Descoped	
NPower Commercial Gas Limited	Itron	All Service				Descoped	
Octopus Energy Limited	Kraken	All Service				Descoped	
SMS Energy Services Ltd	SMS	All Service				Descoped	
Stark Software International	Stark	All Service				Descoped	
TMA	TMA	All Service				Descoped	
Unify Energy	Seaglass	All Service				Descoped	

Section 3: SIT Operations Test & Requirements Status Summary



SIT Operations - Test & Requirements Status Summary

This section of the Exit Report focuses on SIT Operations tests that were executed, and the outcome of those tests at the closure of testing. The report reflects testing performed at the following levels:

1. Cohort Level Test Case Status
2. Participant (Non-Cohort) Level Test Case Status

The [first sub-section](#) (on the next 3 pages) summarises the status of tests assigned and executed at a Cohort level (Themes 1 & 2) and a Participant level (Themes 3.1 & 3.2)

These summaries are underpinned by the 'SIT-OPS Test Status' report tab within the 'Test & Defect Extract', where the reader should note the following:

- 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 test cases prior to the descope, the Pass remained recorded for the Cohort. Where this is the case the Test Case row in the 'SIT-OPS Test Status' tab has been marked 'Descoped' in Column H

The [second sub-section](#) summarises an RTTM based report which lists all in-scope requirements, mapped to test stage test cases, themes and roles, and records the outcome status where applicable to each Participant. This also marks where tests cases were not run by a Participant due to an approved Dispensation (the summary is underpinned by the 'RTTM Based Status Report' tab within the 'Test & Defect Extract'). The summary is structured as follows:

1. Central Participants

- a) Test Cases (broken down by role within SIT Ops testing)
- b) Requirements (broken down by role within SIT Ops testing)
- c) Dispensations

2. Qualifying Participants

- a) Test Cases (broken down by role within SIT Ops testing)
- b) Requirements (broken down by role within SIT Ops testing)
- c) Dispensations

Please Note – throughout this section, if needed you can navigate back to this page to re-orientate, by clicking on this link

[Back to Test & Requirements Status Summary](#)

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Theme 1 SIT Operations - Cohort Level (as of 05/08/25)

SIT Operations Overall Position (per Cohort) Theme 1 - Bus Requirements

	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J	BUUK	SSEN	Helix
Passed	32	29	29	29	29	32	29	32	1	2	5
Req'd	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
Internal Blocker	0	0	0	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	29	29	29	29	32	29	32	1	2	5
% Pass	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% Executed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

(Refer to 'SIT-OPS Test Status' report tab within the 'Test & Defect Extract' for details)

SIT Operations Overall Position (per Cohort) Theme 2 - Operational Choreography

	Cohort A	Cohort B	Cohort C	Cohort E	Cohort F	Cohort G	Cohort H	Cohort J	Shared C&E
Passed	23	14	13	14	13	15	11	14	1
Req'd	0	0	0	0	0	0	0	0	0
Req'd (On Hold)	0	0	0	0	0	0	0	0	0
Internal Blocker	0	0	0	0	0	0	0	0	0
Fail	0	0	0	0	0	0	0	0	0
Blocked	0	0	0	0	0	0	0	0	0
TOTAL	23	14	13	14	13	15	11	14	1
% Pass	100%	100%	100%	100%	100%	100%	100%	100%	100%
% Executed	100%	100%	100%	100%	100%	100%	100%	100%	100%

(Refer to 'SIT-OPS Test Status' report tab within the 'Test & Defect Extract' for details)

SIT Operations - Participant Status Theme 3.1 and 3.2 (as at 05/08/25)

Status of SIT Ops - Theme 3.1 - Service Management (Incl. Rerun)						
Participant	Req'd	Blocked	Failed	Passed	Req'd (On Hold)	Total
BUUK (C&C)	0	0	0	3	0	3
ENSEK	0	0	0	1	0	1
Expleo	0	0	0	1	0	1
IMServ	0	0	0	2	0	2
E.ON Next	0	0	0	3	0	3
E.ON UK Energy Services	0	0	0	2	0	2
Kraken	0	0	0	3	0	3
PDA	0	0	0	2	0	2
SSEN	0	0	0	2	0	2
Utilita	0	0	0	2	0	2
DCC	0	0	0	1	0	1
Avanade	0	0	0	1	0	1
Helix	0	0	0	8	0	8
TOTAL	0	0	0	31	0	31

Status of SIT Ops - Theme 3.2 - DIP						
Participant	Req'd	Blocked	Failed	Passed	Req'd (On Hold)	Total
BUUK (C&C)	0	0	0	4	0	4
Callisto	0	0	0	3	0	3
Energy Assets	0	0	0	2	0	2
ENSEK	0	0	0	3	0	3
ESG	0	0	0	4	0	4
Expleo	0	0	0	4	0	4
Helix	0	0	0	3	0	3
IMServ	0	0	0	3	0	3
ltron	0	0	0	4	0	4
Kraken	0	0	0	4	0	4
PDA	0	0	0	3	0	3
Seaglass	0	0	0	2	0	2
SMS	0	0	0	3	0	3
SSEN	0	0	0	3	0	3
Stark	0	0	0	2	0	2
TMA	0	0	0	3	0	3
Tym Huckin	0	0	0	2	0	2
Utilita	0	0	0	4	0	4
Utiliteam	0	0	0	3	0	3
Wheatley	0	0	0	3	0	3
TOTAL	0	0	0	62	0	62

(Refer to 'SIT-OPS Test Status' report tab within the 'Test & Defect Extract' for details)

SIT Operations RTTM Test & Requirements Status – Central Parties (as at 05/08/25)

Central Party Test & Requirement Reporting

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational Test Case Status (Stage End)							% Passed
			N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total *	
Central Party	Elxon (All Services)	Elxon Helix	3					3	3	100%
Central Party	Elxon (Service User)	Elxon Helix						8	8	100%
Central Party	Elxon (MDS, LSS, VAS, ECS, ISD)	Elxon Helix						5	5	100%
Central Party	DCC (DSP / CSS)	DCC						1	1	100%
Central Party	DIP (Service User)	Avanade						1	1	100%
Central Party	RECCo (EES)	RECCo						-	-	-
Central Party	Electralink	Electralink						-	-	-

*Number of Tests for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational Requirement Status (Stage End)						% Passed
			N/A (Dispensation)	Not Tested	Blocked	Failed	Passed	Total *	
Central Party	Elxon (All Services)	Elxon Helix	6				8	8	100%
Central Party	Elxon (Service User)	Elxon Helix					8	8	100%
Central Party	Elxon (MDS, LSS, VAS, ECS, ISD)	Elxon Helix					6	6	100%
Central Party	DCC (DSP / CSS)	DCC					1	1	100%
Central Party	DIP (Service User)	Avanade					1	1	100%
Central Party	RECCo (EES)	RECCo					-	-	-
Central Party	Electralink	Electralink					-	-	-

*Number of Requirements for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the associated TC was set to N/A)

Exceptions: See Next Page

(Refer to 'RTTM Based Status Report' tab within the 'Test & Defect Extract' for details)

SIT Operational Test & Requirements Exceptions (as at 05/08/25)

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 Operational DITL 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.

The following Dispensation defects have been assured and approved by the SI Test Assurance team:

Defect ID	Defect Type	Defect State	Participant Name	Market Role	Test Case
54379	Dispensation	Closed	Helix / Elexon	MDS, LSS, VAS, ECS, ISD	SEC03 TC14 (API)
54379	Dispensation	Closed	Helix / Elexon	MDS, LSS, VAS, ECS, ISD	SEC03 TC13 (MDS UI)
54392	Dispensation	Closed	Helix / Elexon	MDS, LSS, VAS, ECS, ISD	SEC03 TC12 (API)

Requirement Exceptions

The following requirements were unable to be tested by Participants as the associated test had been set to N/A due to an approved Dispensation:

Test Case Ref#

SITOPS-SEC03 TC12, TC13 & TC14

A dispensation request was granted to participants, as the API variant was confirmed to be “**optional**” within the Design Requirements. However, the programme has recommended that participants consider developing API functionality post Go-Live. This would enable bulk replay or queue of messages, rather than processing them individually via the DIP.

E2E0104	All Services shall use DIP generated Transaction Ids returned in the response body of the API transaction to map against messages for audit and tracking purposes
E2E0209	DIP Participants shall put in measures to differentiate the processing of replayed messages c.f. original
E2E0211	All messages received by DIP Participant systems shall be initially acknowledged as received in the http response of the API transaction
NFR0024	Market Participants shall have the ability to request the replay events/messages from the archive via an API
NFR0025	Market Participants shall have the ability to request the replay events/messages from the archive via a User Interface
E2E0102	All Services shall generate a Sender Unique Reference (SUR) for each message/event

SIT Operations RTTM Test Coverage Status – Qualification Participants 1 of 4 (as at 05/08/25)

Qualification Participant RTTM Test Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Test Case</u> Status (Stage End)							% Passed
			N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total *	
Qualifying Participant	British Gas (All Services)	ENSEK / Callisto						3	3	100%
Qualifying Participant	British Gas (SUP)	ENSEK	2					5	5	100%
Qualifying Participant	British Gas (MSS)	Callisto	1					10	10	100%
Qualifying Participant	British Gas (MSA)	Callisto	1					7	7	100%
Qualifying Participant	British Gas (Service User)	Callisto						1	1	100%
Qualifying Participant	Callisto (All Services)	Callisto						3	3	100%
Qualifying Participant	Callisto (SDS)	Callisto	1					8	8	100%
Qualifying Participant	Callisto (ADS)	Callisto	1					8	8	100%
Qualifying Participant	E (All Services)	ESG						5	5	100%
Qualifying Participant	E (SUP)	ESG	1					8	8	100%
Qualifying Participant	E.ON NEXT (All Services)	KRAKEN						4	4	100%
Qualifying Participant	E.ON NEXT (Service User)	KRAKEN						3	3	100%
Qualifying Participant	E.ON NEXT (SUP)	KRAKEN						6	6	100%
Qualifying Participant	Edgware (All Services)	Utiliteam						5	5	100%
Qualifying Participant	Edgware (SUP)	Utiliteam	1					7	7	100%
Qualifying Participant	EDF (All Services)	ESG						5	5	100%
Qualifying Participant	EDF (MSA)	ESG	1					7	7	100%
Qualifying Participant	Ovo Energy Limited (All Services)	ESG						4	4	100%
Qualifying Participant	Ovo Energy Limited (MSS)	ESG	1					8	8	100%
Qualifying Participant	Energy Assets (All Services)	ESG / Annergy Assets						2	2	100%
Qualifying Participant	Energy Assets (MSS)	ESG	1					8	8	100%
Qualifying Participant	Energy Assets (MSA)	ESG	1					7	7	100%

*Number of Tests for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)

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.

SIT Operations RTTM Test Coverage Status – Qualification Participants 2 of 4 (as at 05/08/25)

Qualification Participant RTTM Test Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Test Case</u> Status (Stage End)							% Passed
			N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total *	
Qualifying Participant	Energy Assets (ADS)	Energy Assets	1					8	8	100%
Qualifying Participant	IMServ (All Services)	IMServ						3	3	100%
Qualifying Participant	IMServ (Service User)	IMServ						3	3	100%
Qualifying Participant	IMServ (ADS)	IMServ	2					7	7	100%
Qualifying Participant	IMServ (SDS)	IMServ	1					7	7	100%
Qualifying Participant	IMServ (MSS)	IMServ	1					8	8	100%
Qualifying Participant	IMServ (MSA)	IMServ	2					6	6	100%
Qualifying Participant	Octopus Energy Limited (All Services)	KRAKEN						4	4	100%
Qualifying Participant	Octopus Energy Limited (Service User)	KRAKEN						3	3	100%
Qualifying Participant	Octopus Energy Limited (SUP)	KRAKEN						8	8	100%
Qualifying Participant	Octopus Energy Services Ltd (All Services)	KRAKEN						4	4	100%
Qualifying Participant	Octopus Energy Services Ltd (Service User)	KRAKEN						3	3	100%
Qualifying Participant	Octopus Energy Services Ltd (MSS)	KRAKEN						10	10	100%
Qualifying Participant	Octopus Energy Services Ltd (MSA)	KRAKEN						8	8	100%
Qualifying Participant	KRAKEN (All Services)	KRAKEN						5	5	100%
Qualifying Participant	KRAKEN (ADS)	KRAKEN						9	9	100%
Qualifying Participant	KRAKEN (SDS)	KRAKEN						11	11	100%
Qualifying Participant	KRAKEN (REGS)	KRAKEN						1	1	100%
Qualifying Participant	KRAKEN (Service User)	KRAKEN						3	3	100%
Qualifying Participant	nPower Business Solutions (All Services)	Ittron / Wheatley						5	5	100%
Qualifying Participant	nPower Business Solutions (ADS)	Ittron	1					8	8	100%
Qualifying Participant	nPower Business Solutions (MSA)	Wheatley	1					7	7	100%

*Number of Tests for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)

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.

SIT Operations RTTM Test Coverage Status – Qualification Participants 3 of 4 (as at 05/08/25)

Qualification Participant RTTM Test Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Test Case</u> Status (Stage End)							% Passed
			N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total *	
Qualifying Participant	ltron (All Services)	ltron						4	4	100%
Qualifying Participant	ltron (ADS)	ltron	1					9	9	100%
Qualifying Participant	E.on UK Energy Services (All Services)	Wheatley						3	3	100%
Qualifying Participant	E.on UK Energy Services (MSS)	Wheatley	2					9	9	100%
Qualifying Participant	E.on UK Energy Services (Service User)	Wheatley						2	2	100%
Qualifying Participant	Power Data Associates (All Services)	Power Data Associates						3	3	100%
Qualifying Participant	Power Data Associates (UMSDS)	Power Data Associates	3					2	2	100%
Qualifying Participant	Power Data Associates (REGS)	Power Data Associates						1	1	100%
Qualifying Participant	Power Data Associates (Service User)	Power Data Associates						2	2	100%
Qualifying Participant	SMS (All Services)	SMS						3	3	100%
Qualifying Participant	SMS (ADS)	SMS	2					7	7	100%
Qualifying Participant	SMS (SDS)	SMS	1					9	9	100%
Qualifying Participant	SMS (MSS)	SMS	1					10	10	100%
Qualifying Participant	SMS (MSA)	SMS	2					6	6	100%
Qualifying Participant	Stark Connect Ltd (All Services)	Stark						2	2	100%
Qualifying Participant	Stark Connect Ltd (MSS)	Stark	1					8	8	100%
Qualifying Participant	Stark Connect Ltd (MSA)	Stark	1					7	7	100%
Qualifying Participant	Stark Software International Ltd (All Services)	Stark						3	3	100%
Qualifying Participant	Stark Software International Ltd (ADS)	Stark	1					8	8	100%
Qualifying Participant	Stark Software International Ltd (SDS)	Stark	1					7	7	100%
Qualifying Participant	TMA (All Services)	TMA						4	4	100%
Qualifying Participant	TMA (ADS)	TMA	1					8	8	100%
Qualifying Participant	TMA (SDS)	TMA	1					8	8	100%

*Number of Tests for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)

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.

SIT Operations RTTM Test Coverage Status – Qualification Participants 4 of 4 (as at 05/08/25)

Qualification Participant RTTM Test Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Test Case</u> Status (Stage End)							% Passed
			N/A (Dispensation)	Not Run	Paused	Blocked	Failed	Passed	Total *	
Qualifying Participant	Tym Huckin (All Services)	Tym Huckin						2	2	100%
Qualifying Participant	Tym Huckin (UMSDS)	Tym Huckin	3					2	2	100%
Qualifying Participant	Tym Huckin (REGS)	Tym Huckin						1	1	100%
Qualifying Participant	Unify (All Services)	Seaglass						2	2	100%
Qualifying Participant	Unify (SUP)	Seaglass	1					8	8	100%
Qualifying Participant	Utilita (All Services)	Utilita						4	4	100%
Qualifying Participant	Utilita (SUP)	Utilita	2					7	7	100%
Qualifying Participant	Utilita (MSS)	Utilita						10	10	100%
Qualifying Participant	Utilita (MSA)	Utilita	1					7	7	100%
Qualifying Participant	Utilita (Service User)	Utilita						2	2	100%
Qualifying Participant	SSEN (All Services)	SSEN						3	3	100%
Qualifying Participant	SSEN (LDSO)	SSEN	1					2	2	100%
Qualifying Participant	SSEN (UMSO)	SSEN						2	2	100%
Qualifying Participant	SSEN (REGS)	SSEN	2					9	9	100%
Qualifying Participant	SSEN (Service User)	SSEN						2	2	100%
Qualifying Participant	BUUK (All Services)	C&C						4	4	100%
Qualifying Participant	BUUK (LDSO)	C&C	1					2	2	100%
Qualifying Participant	BUUK (UMSO)	C&C						2	2	100%
Qualifying Participant	BUUK (REGS)	C&C	2					9	9	100%
Qualifying Participant	BUUK (Service User)	C&C						3	3	100%
Expleo	Expleo (SIT Test)	SI Test Team						4	4	100%

*Number of Tests for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the TC was set to N/A)

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.

SIT Operations RTTM Requirements Coverage Status – Qualification Participants 1 of 4 (as at 05/08/25)

Qualification Participant RTTM Requirement Coverage Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Requirement</u> Status (Stage End)						% Passed
			N/A (Dispensation)	Not Tested	Blocked	Failed	Passed	Total *	
Qualifying Participant	British Gas (All Services)	ENSEK / Callisto					9	9	100%
Qualifying Participant	British Gas (SUP)	ENSEK	9				17	17	100%
Qualifying Participant	British Gas (MSS)	Callisto	2				18	18	100%
Qualifying Participant	British Gas (MSA)	Callisto	2				16	16	100%
Qualifying Participant	British Gas (Service User)	Callisto					3	3	100%
Qualifying Participant	Callisto (All Services)	Callisto					8	8	100%
Qualifying Participant	Callisto (SDS)	Callisto	2				18	18	100%
Qualifying Participant	Callisto (ADS)	Callisto	2				18	18	100%
Qualifying Participant	E (All Services)	ESG					19	19	100%
Qualifying Participant	E (SUP)	ESG	2				18	18	100%
Qualifying Participant	E.ON NEXT (All Services)	KRAKEN					9	9	100%
Qualifying Participant	E.ON NEXT (SUP)	KRAKEN					12	12	100%
Qualifying Participant	E.ON NEXT (Service User)	KRAKEN					2	2	100%
Qualifying Participant	Edgware (All Services)	Utiliteam					17	17	100%
Qualifying Participant	Edgware (SUP)	Utiliteam	2				19	19	100%
Qualifying Participant	EDF (All Services)	ESG					13	13	100%
Qualifying Participant	EDF (MSA)	ESG	2				16	16	100%
Qualifying Participant	Ovo Energy Limited (All Services)	ESG					13	13	100%
Qualifying Participant	Ovo Energy Limited (MSS)	ESG	2				15	15	100%
Qualifying Participant	Energy Assets (All Services)	ESG					6	6	100%
Qualifying Participant	Energy Assets (MSS)	ESG	2				15	15	100%
Qualifying Participant	Energy Assets (MSA)	ESG	2				16	16	100%

*Number of Requirements for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the associated TC was set to N/A)

SIT Operations RTTM Requirements Coverage Status – Qualification Participants 2 of 4 (as at 05/08/25)

Qualification Participant RTTM Requirement Coverage Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Requirement</u> Status (Stage End)						% Passed
			N/A (Dispensation)	Not Tested	Blocked	Failed	Passed	Total *	
Qualifying Participant	Energy Assets (ADS)	Energy Assets	2				18	18	100%
Qualifying Participant	IMServ (All Services)	IMServ					11	11	100%
Qualifying Participant	IMServ (ADS)	IMServ	10				10	10	100%
Qualifying Participant	IMServ (SDS)	IMServ	2				17	17	100%
Qualifying Participant	IMServ (MSS)	IMServ	2				15	15	100%
Qualifying Participant	IMServ (MSA)	IMServ	10				8	8	100%
Qualifying Participant	IMServ (Service User)	IMServ					7	7	100%
Qualifying Participant	Octopus Energy Limited (All Services)	KRAKEN					10	10	100%
Qualifying Participant	Octopus Energy Limited (SUP)	KRAKEN					21	21	100%
Qualifying Participant	Octopus Energy Limited (Service User)	KRAKEN					5	5	100%
Qualifying Participant	Octopus Energy Services Ltd (All Services)	KRAKEN					13	13	100%
Qualifying Participant	Octopus Energy Services Ltd (Service User)	KRAKEN					6	6	100%
Qualifying Participant	Octopus Energy Services Ltd (MSS)	KRAKEN					18	18	100%
Qualifying Participant	Octopus Energy Services Ltd (MSA)	KRAKEN					18	18	100%
Qualifying Participant	KRAKEN (All Services)	KRAKEN					16	16	100%
Qualifying Participant	KRAKEN (ADS)	KRAKEN					20	20	100%
Qualifying Participant	KRAKEN (SDS)	KRAKEN					20	20	100%
Qualifying Participant	KRAKEN (Service User)	KRAKEN					5	5	100%
Qualifying Participant	KRAKEN (REGS)	KRAKEN					2	2	100%
Qualifying Participant	nPower Business Solutions (All Services)	Ittron / Wheatley					10	10	100%
Qualifying Participant	nPower Business Solutions (ADS)	Ittron	2				18	18	100%
Qualifying Participant	nPower Business Solutions (MSA)	Wheatley	2				16	16	100%

*Number of Requirements for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the associated TC was set to N/A)

SIT Operations RTTM Requirements Coverage Status – Qualification Participants 3 of 4 (as at 05/08/25)

Qualification Participant RTTM Requirement Coverage Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Requirement</u> Status (Stage End)						% Passed
			N/A (Dispensation)	Not Tested	Blocked	Failed	Passed	Total *	
Qualifying Participant	Itron (All Services)	Itron					24	24	100%
Qualifying Participant	Itron (ADS)	Itron	2				18	18	100%
Qualifying Participant	E.on UK Energy Services (All Services)	Wheatley					8	8	100%
Qualifying Participant	E.on UK Energy Services (MSS)	Wheatley	8				16	16	100%
Qualifying Participant	E.on UK Energy Services (Service User)	Wheatley					5	5	100%
Qualifying Participant	Power Data Associates (All Services)	Power Data Associates					8	8	100%
Qualifying Participant	Power Data Associates (UMSDS)	Power Data Associates	12				4	4	100%
Qualifying Participant	Power Data Associates (Service User)	Power Data Associates					1	1	100%
Qualifying Participant	Power Data Associates (REGS)	Power Data Associates					1	1	100%
Qualifying Participant	SMS (All Services)	SMS					8	8	100%
Qualifying Participant	SMS (ADS)	SMS	10				10	10	100%
Qualifying Participant	SMS (SDS)	SMS	2				20	20	100%
Qualifying Participant	SMS (MSS)	SMS	2				18	18	100%
Qualifying Participant	SMS (MSA)	SMS	10				8	8	100%
Qualifying Participant	Stark Connect Ltd (All Services)	Stark					6	6	100%
Qualifying Participant	Stark Connect Ltd (MSS)	Stark	2				15	15	100%
Qualifying Participant	Stark Connect Ltd (MSA)	Stark	2				16	16	100%
Qualifying Participant	Stark Software International Ltd (All Services)	Stark					7	7	100%
Qualifying Participant	Stark Software International Ltd (ADS)	Stark	2				18	18	100%
Qualifying Participant	Stark Software International Ltd (SDS)	Stark	2				17	17	100%
Qualifying Participant	TMA (All Services)	TMA					8	8	100%
Qualifying Participant	TMA (ADS)	TMA	2				18	18	100%
Qualifying Participant	TMA (SDS)	TMA	2				18	18	100%

**Number of Requirements for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the associated TC was set to N/A)*

SIT Operations RTTM Requirements Coverage Status – Qualification Participants 4 of 4 (as at 05/08/25)

Qualification Participant RTTM Requirement Coverage Status

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

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	SIT Operational <u>Requirement</u> Status (Stage End)						% Passed
			N/A (Dispensation)	Not Tested	Blocked	Failed	Passed	Total *	
Qualifying Participant	Tym Huckin (All Services)	Tym Huckin					6	6	100%
Qualifying Participant	Tym Huckin (UMSDS)	Tym Huckin	12				4	4	100%
Qualifying Participant	Tym Huckin (REGS)	Tym Huckin					1	1	100%
Qualifying Participant	Unify (All Services)	Seaglass					6	6	100%
Qualifying Participant	Unify (SUP)	Seaglass	2				19	19	100%
Qualifying Participant	Utilita (All Services)	Utilita					10	10	100%
Qualifying Participant	Utilita (SUP)	Utilita	9				15	15	100%
Qualifying Participant	Utilita (MSS)	Utilita					18	18	100%
Qualifying Participant	Utilita (MSA)	Utilita	8				10	10	100%
Qualifying Participant	Utilita (Service User)	Utilita					1	1	100%
Qualifying Participant	SSEN (All Services)	SSEN					8	8	100%
Qualifying Participant	SSEN (LDSO)	SSEN	3				5	5	100%
Qualifying Participant	SSEN (UMSO)	SSEN					3	3	100%
Qualifying Participant	SSEN (REGS)	SSEN	9				7	7	100%
Qualifying Participant	SSEN (Service User)	SSEN					2	2	100%
Qualifying Participant	BUUK (All Services)	C&C					8	8	100%
Qualifying Participant	BUUK (LDSO)	C&C	3				5	5	100%
Qualifying Participant	BUUK (UMSO)	C&C					3	3	100%
Qualifying Participant	BUUK (REGS)	C&C	9				5	5	100%
Qualifying Participant	BUUK (Service User)	C&C					5	5	100%
Expleo	Expleo (SIT Test)	SI Test Team					8	8	100%

*Number of Requirements for Role(s) mapped to the Participant in the SIT Ops RTTM (This excludes Tests where a Dispensation was granted, and the associated TC was set to N/A)

SIT Operations RTTM Test Coverage Exceptions – Qualification Participants 1 of 3 (Dispensations) (as at 05/08/25)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as ‘Met’ in SIT Ops 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
nPower Business Solutions (ADS)	Itron	ADS	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC08 REV	Dispensation	A generic Dispensation defect was granted for most cohorts for tests with Revoked Certificates. Due to the risks associated with parallel testing of NFT, Settlements, and Regression, and the dependency on a third party to conduct testing on their behalf, the DIP Manager granted permission to limit SEC02 Certification testing to only two examples per cohort. As a result, this test case was marked as Not Applicable (N/A) in the Supplier, MSS, and MSA RTTM. See Defect ID 54515.
Itron (ADS)	Itron	ADS					
Callisto (ADS)	Callisto	ADS					
IMServ (ADS)	IMServ	ADS					
TMA (ADS)	TMA	ADS					
Energy Assets (ADS)	Energy Assets/ESG	ADS					
SMS (ADS)	SMS	ADS					
Stark Software International Ltd (ADS)	Stark	ADS	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC09 REV	Dispensation	
SMS (SDS)	SMS	SDS					
Callisto (SDS)	Callisto	SDS					
IMServ (SDS)	IMServ	SDS					
TMA (SDS)	TMA	SDS					
TMA (SDS)	TMA	SDS					
SMS (SDS)	SMS	SDS					
Stark Software International Ltd (SDS)	Stark	SDS	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC10 REV (UMSDS)	Dispensation	
Power Data Associates (UMSDS)	Power Data Associates	UMSDS					
Tym Huckin (UMSDS)	Tym Huckin	UMSDS	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC17 REV	Dispensation	
E.ON UK Energy Services (MSS)	Wheatley	MSS					
British Gas (MSS)	Callisto	MSS					
IMServ (MSS)	IMServ	MSS					
Ovo Energy Limited (MSS)	ESG	MSS					
Energy Assets (MSS)	ESG	MSS					
SMS (MSS)	SMS	MSS					
Stark Connect Ltd (MSS)	Stark	MSS					

SIT Operations RTTM Test Coverage Exceptions – Qualification Participants 2 of 3 (Dispensations) (as at 05/08/25)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as 'Met' in SIT Ops 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
nPower Business Solutions (MSA)	Wheatley	MSA	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC18 INV	Dispensation	A generic Dispensation defect granted for most cohorts for tests with Invalid or Expired Certificates. Due to the risks associated with parallel testing of NFT, Settlements, and Regression, and the dependency on a third party to conduct testing on their behalf, the DIP Manager granted permission to limit SEC02 Certification testing to only two examples per cohort. As a result, this test case was marked as Not Applicable (N/A) in the Supplier, MSS, and MSARTTM. See Defect ID 54518.
British Gas (MSA)	Callisto	MSA					
IMServ (MSA)	IMServ	MSA					
EDF (MSA)	ESG	MSA					
Energy Assets (MSA)	ESG	MSA					
Stark Connect Ltd (MSA)	Stark	MSA					
British Gas (SUP)	ENSEK	SUP	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC01 INV	Dispensation	
Unify (SUP)	Seaglass	SUP					
E (SUP)	ESG	SUP					
E (SUP)	ESG	SUP					
Edgware (SUP)	Utiliteam	SUP					
SSEN (REGS)	SSEN	REGS(SSEN)	E2E0202 NFR0305	Theme 2 - Operational Choreography	SITOPS-SEC02 TC16 EXP	Dispensation	
BUUK (REGS)	C&C	REGS(BUUK)	E2E0202 NFR0306	Theme 2 - Operational Choreography	SITOPS-SEC02 TC15 EXP	Dispensation	
Power Data Associates (UMSDS)	Power Data Associates	UMSDS	MHHS-BR-SU-138	Theme 1 Bus Requirements	SITOPS-BR01 TC03 UMSDS	Dispensation	Dispensation granted for UMSDS Participants - Cohort A, G and J. This is for a negative test scenario, and PDA would have to “‘manually’ amend the values on the IF-021, (to remove a HH period), in order to be able to trigger the sending of invalid consumption details. PDA does not have the ability to do this See Defect ID 53262.
Tym Huckin (UMSDS)	Tym Huckin	UMSDS					
E.ON UK Energy Services (MSS)	Wheatley	MSS	OPC_500 MHHS-BR-DS-142 MHHS-BR-MS-072 MHHS-BR-SU-050 MHHS-BR-SU-139 OPC_250	Theme 2 - Operational Choreography	SITOPS-OPC004 TC02 NOT	Dispensation	The MS is not able to complete SEG work, following a PUB-035 Lapsed receipt. See Defect ID 54489

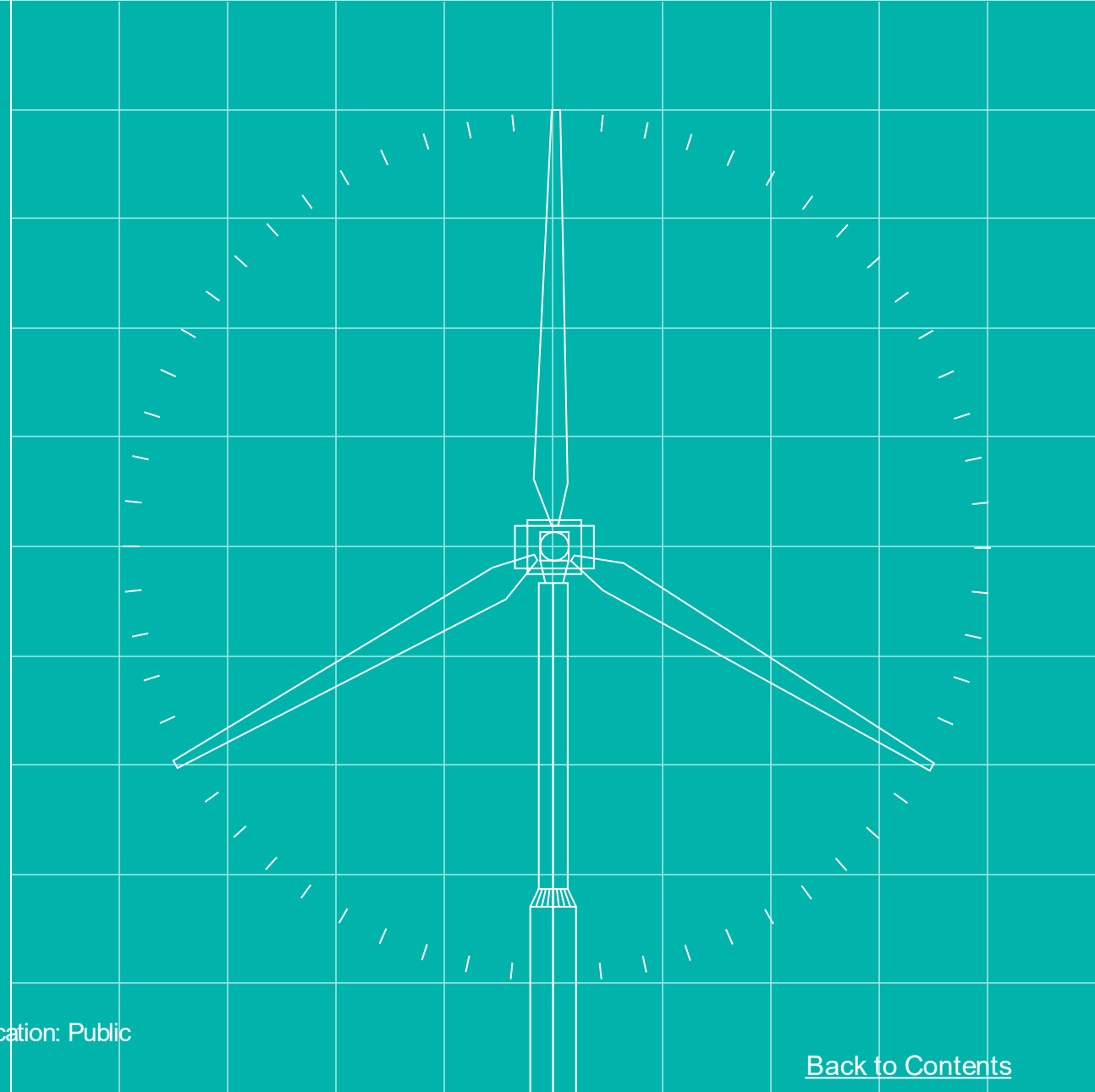
SIT Operations RTTM Test Coverage Exceptions – Qualification Participants 3 of 3 (Dispensations) (as at 05/08/25)

Requirement Coverage Exceptions - the following requirements were unable to be demonstrated as ‘Met’ in SIT Ops 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
SSEN (REGS)	SSEN	REGS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC04 REGS API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54464.
IMServ (MSA)	IMServ	MSA	E2E0102, E2E0104 E2E0107, E2E0209 E2E0211, NFR0024 NFR0025, E2E0103	Theme 2 - Operational Choreography	SITOPS-SEC03 TC08 DS API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54411.
SMS (ADS)	SMS	ADS	E2E0102, E2E0104 E2E0107, E2E0209 E2E0211, NFR0024 NFR0025, E2E0103	Theme 2 - Operational Choreography	SITOPS-SEC03 TC08 DS API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54485.
Utilita Energy Limited	Utilita	SUP	E2E0102, E2E0104 E2E0107, E2E0209 E2E0211, NFR0024 NFR0025, E2E0103	Theme 2 - Operational Choreography	SITOPS-SEC03 TC02 SUP API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54453.
Utilita Energy Limited	Utilita	MSA	E2E0102, E2E0104 E2E0107, E2E0209 E2E0211, NFR0024 NFR0025, E2E0103	Theme 2 - Operational Choreography	SITOPS-SEC03 TC06 MSA API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54411
SSEN (LDSO)	SSEN	LDSO	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC10 LDSO API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54464.
Elaxon (MDS, LSS, VAS, ECS, ISD)	Elaxon Helix	LSS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC12 LSS API	Dispensation	A dispensation request was granted to participants, as the API variant was confirmed to be “optional” within the Design Requirements. However, the programme has recommended that participants consider developing the API functionality post Go-Live. This would enable bulk replay or requeue of messages, rather than processing them individually via the DIP. See Defect ID 54392.
Elaxon (MDS, LSS, VAS, ECS, ISD)	Elaxon Helix	MDS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC13 MDS UI	Dispensation	Incorrect test script for IF-021 Test Case which goes to LSS not MDS See Defect ID 54379
Elaxon (MDS, LSS, VAS, ECS, ISD)	Elaxon Helix	MDS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC14 MDS API	Dispensation	Incorrect test script for IF-021 Test Case which goes to LSS not MDS See Defect ID 54379
Power Data Associates (UMSDS)	Power Data Associates	UMSDS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC15 UMSDS UI	Dispensation	54361 - Dispensation - Cohort A, G and J – Unmetered Participants. Incorrect test script covering IF-038 and PUB-039 scenarios already tested and passed in SITF - SITFTS-0180 TC03 and TC09 and in SIT Ops - Theme 1 (BR12-TC08/TC09)
Tym Huckin (UMSDS)	Tym Huckin	UMSDS	E2E0102, E2E0104 E2E0209, E2E0211 NFR0024, NFR0025	Theme 2 - Operational Choreography	SITOPS-SEC03 TC15 UMSDS UI	Dispensation	

Section 4:

Tests Passed with Observations or Workarounds



SIT Operations Test ‘Passed with Observations’ or ‘Passed with Workaround’ – Central Parties (as at 05/08/25)

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 OPS 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

- N/A

Participant Type	Participant (MHHS Market Roles)	SIT Test Participant(s)	Total
Central Party	DCC (DSP / CSS)	DCC	0
Central Party	Elaxon (MDS, LSS, VAS, ECS, ISD)	Elaxon Helix	0
Central Party	DIP	Avanade	0

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

SIT Operations Test ‘Passed with Observations’ or ‘Passed with Workaround’ – Qualification Participants 1 of 2 (as at 05/08/25)

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 OPS 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

Summary of Passed with Workaround/Observations SITOPS-BR08 Test Cases.

Some participants were unable to send or receive D0001, D0002, and D0005 due to the configuration of their internal gateways. It was also identified that certain scenarios were missing from the DTN and DEL documentation.

However, the DEL1712 document has now been updated to include all relevant scenarios, such as MSS to Supplier and Supplier to MSS interactions. This update also reinstates scenarios that were previously removed.

Please note:

For participants who were unable to update their gateway configurations during SIT Operations Testing, we recommend updating them in line with DEL1217. Once updated, please ensure you can successfully send and receive D0001, D0002, and D0005, where applicable. If a participant is unable to configure their gateway, they will need to use alternative communication methods, such as email or other agreed channels, to report faults or provide updates on fault progress and resolution.

Participant (MHHS Market Roles)	SIT Test Participant(s)	Total
British Gas (SUP)	ENSEK	0
British Gas (MSS)	Callisto	0
British Gas (MSA)	Callisto	0
Callisto (SDS)	Callisto	0
Callisto (ADS)	Callisto	0
E (SUP)	ESG	0
E.ON NEXT (SUP)	KRAKEN	0
Edgware (SUP)	Utiliteam	0
EDF (MSA)	ESG	0
Ovo Energy Limited (MSS)	ESG	0
Energy Assets (MSS)	ESG	0
Energy Assets (MSA)	ESG	0
Energy Assets (ADS)	Energy Assets	0
IMServ (ADS)	IMServ	0
IMServ (SDS)	IMServ	0
IMServ (MSS)	IMServ	0
IMServ (MSA)	IMServ	0
Octopus Energy Limited (SUP)	KRAKEN	0
Octopus Energy Services Ltd (MSS)	KRAKEN	0
Octopus Energy Services Ltd (MSA)	KRAKEN	0
KRAKEN (ADS)	KRAKEN	0
KRAKEN (SDS)	KRAKEN	0

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

SIT Operations Test 'Passed with Observations' or 'Passed with Workaround' – Qualification Participants 2 of 2 (as at 05/08/25)

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 OPS 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

Summary of Passed with Workaround/Observations SITOPS-BR08 Test Cases.

Some participants were unable to send or receive D0001, D0002, and D0005 due to the configuration of their internal gateways. It was also identified that certain scenarios were missing from the DTN and DEL documentation.

However, the DEL1712 document has now been updated to include all relevant scenarios, such as MSS to Supplier and Supplier to MSS interactions. This update also reinstates scenarios that were previously removed.

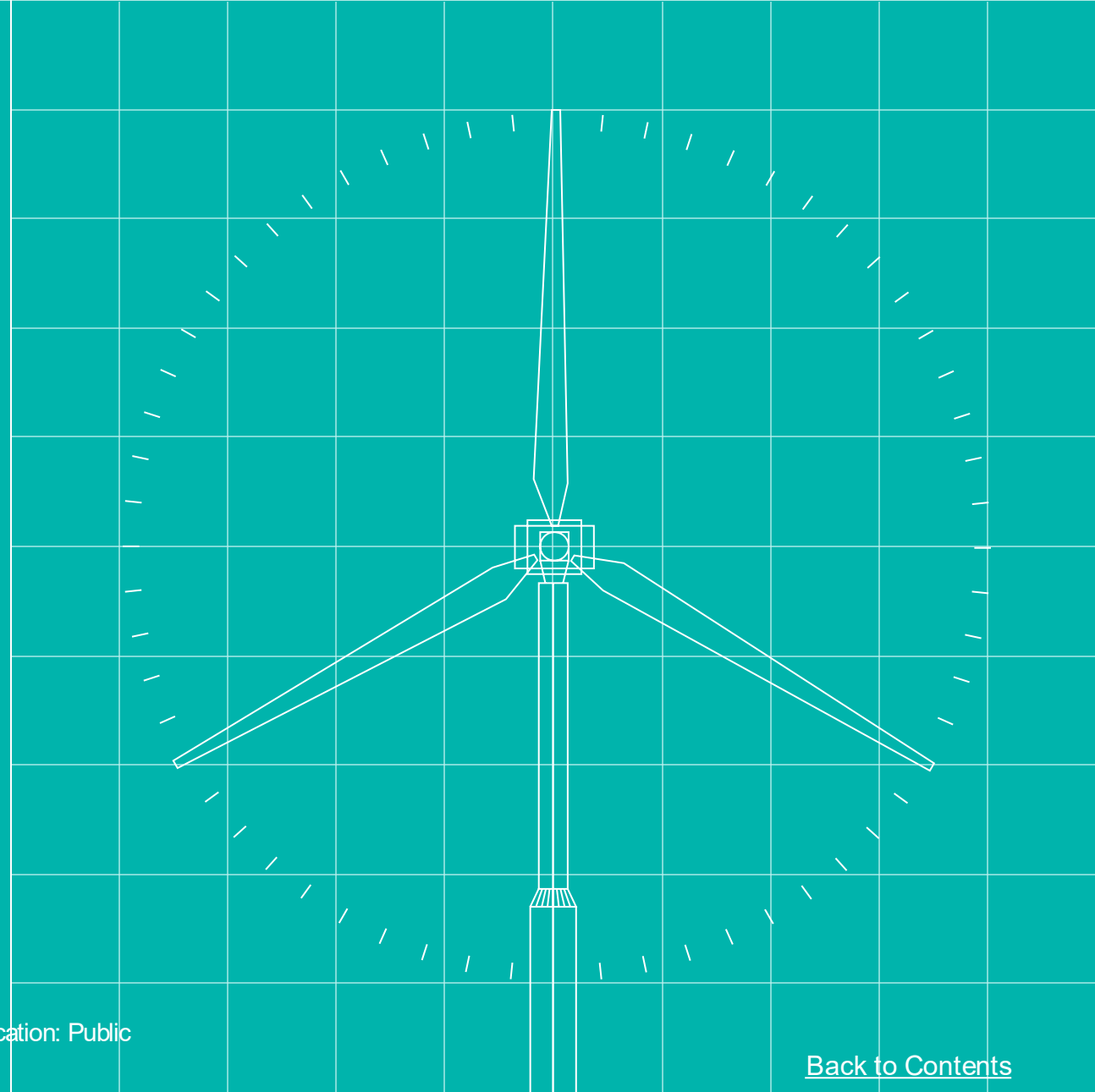
Please note:

For participants who were unable to update their gateway configurations during SIT Operations Testing, we recommend updating them in line with DEL1217. Once updated, please ensure you can successfully send and receive D0001, D0002, and D0005, where applicable. If a participant is unable to configure their gateway, they will need to use alternative communication methods, such as email or other agreed channels, to report faults or provide updates on fault progress and resolution.

Participant (MHHS Market Roles)	SIT Test Participant(s)	Total
nPower Business Solutions (ADS)	Itron	0
nPower Business Solutions (MSA)	Wheatley	0
Itron (ADS)	Itron	1
E.ON UK Energy Services (MSS)	Wheatley	0
Power Data Associates (UMSDS)	Power Data Associates	0
SMS (ADS)	SMS	0
SMS (SDS)	SMS	0
SMS (MSS)	SMS	0
SMS (MSA)	SMS	0
Stark Connect Ltd (MSS)	Stark	0
Stark Connect Ltd (MSA)	Stark	0
Stark Software International Ltd (ADS)	Stark	0
Stark Software International Ltd (SDS)	Stark	0
TMA (ADS)	TMA	0
TMA (SDS)	TMA	0
Tym Huckin (UMSDS)	Tym Huckin	0
Unify (SUP)	Seaglass	0
Utilita (SUP)	Utilita	0
Utilita (MSS)	Utilita	0
Utilita (MSA)	Utilita	0
SSEN (LDSO)	SSEN	0
SSEN (UMSO)	SSEN	0
SSEN (REGS)	SSEN	0
BUUK (LDSO)	C&C	0
BUUK (UMSO)	C&C	0
BUUK (REGS)	C&C	0
Expleo	Expleo	1

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

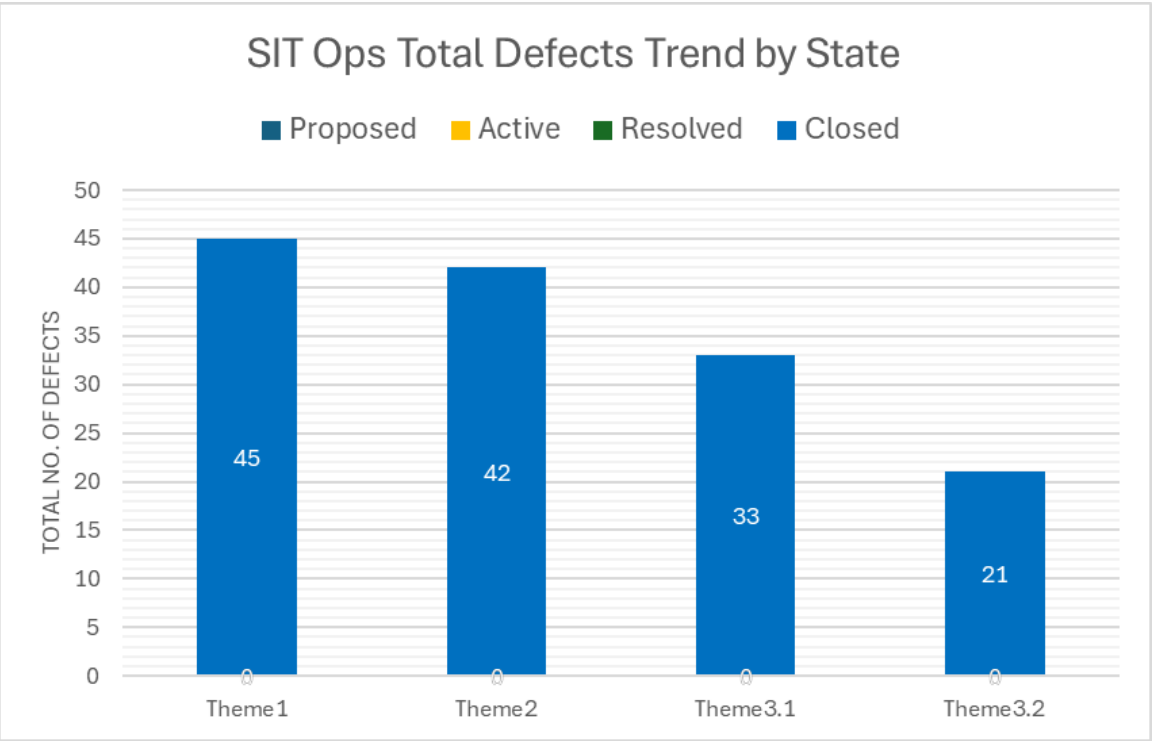
Section 5: SIT Operations Defect Status Summary



SIT Operations Defects Summary (as at 05/08/25)

SIT Operations

State	Theme 1	Theme 2	Theme 3.1	Theme 3.2	Total
Proposed					0
Active					0
Resolved					0
Closed	45	42	33	21	141
Grand Total	45	42	33	21	141



(*For Guidance on Defect States see [Appendix B](#))

Status at the end of the Stage = **Green**

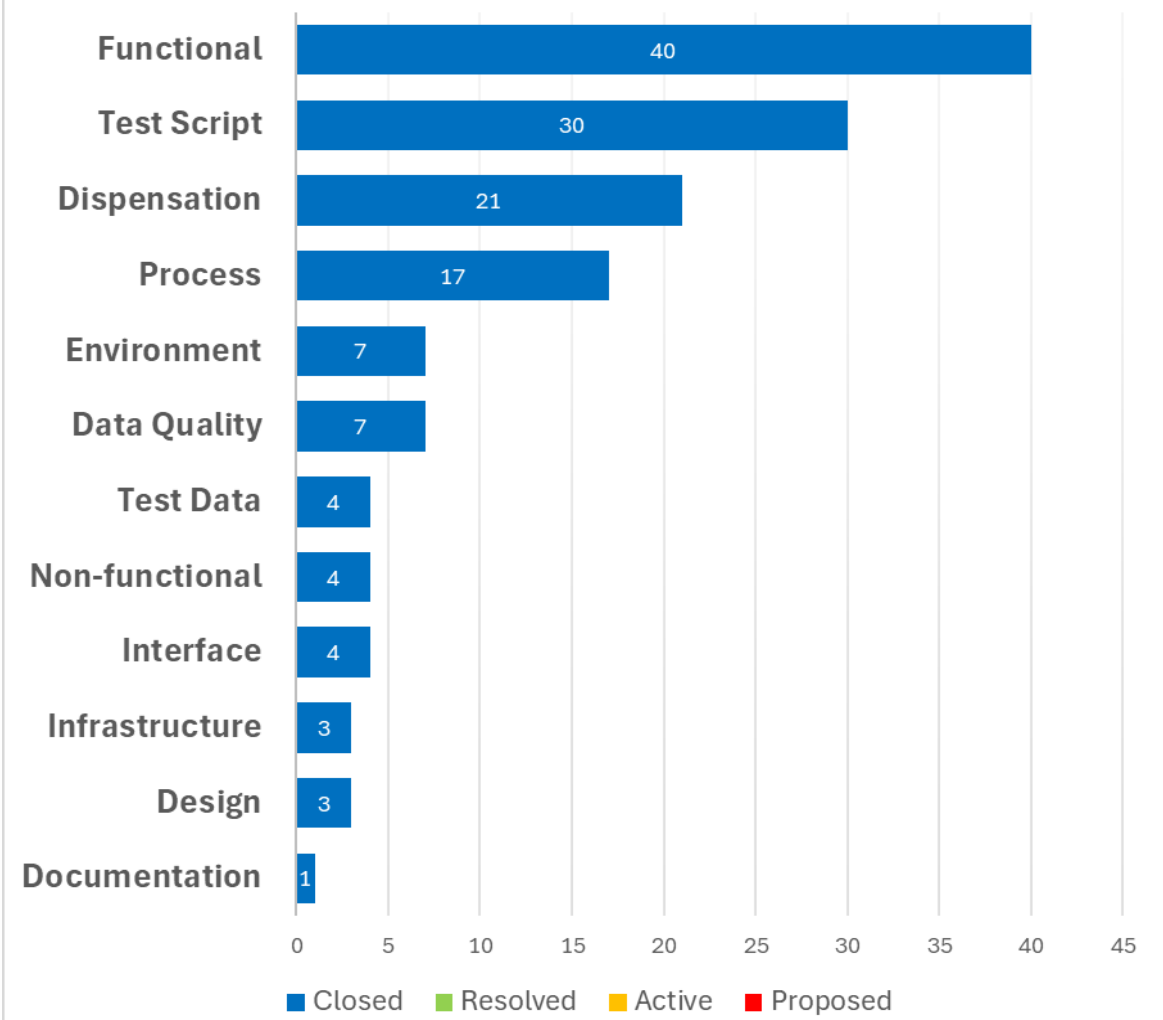
- ✓ No open Severity 1 or 2 Defects
- ✓ No Severity 3 / 4 Defects

Guidance on the Defect Summary section contents:

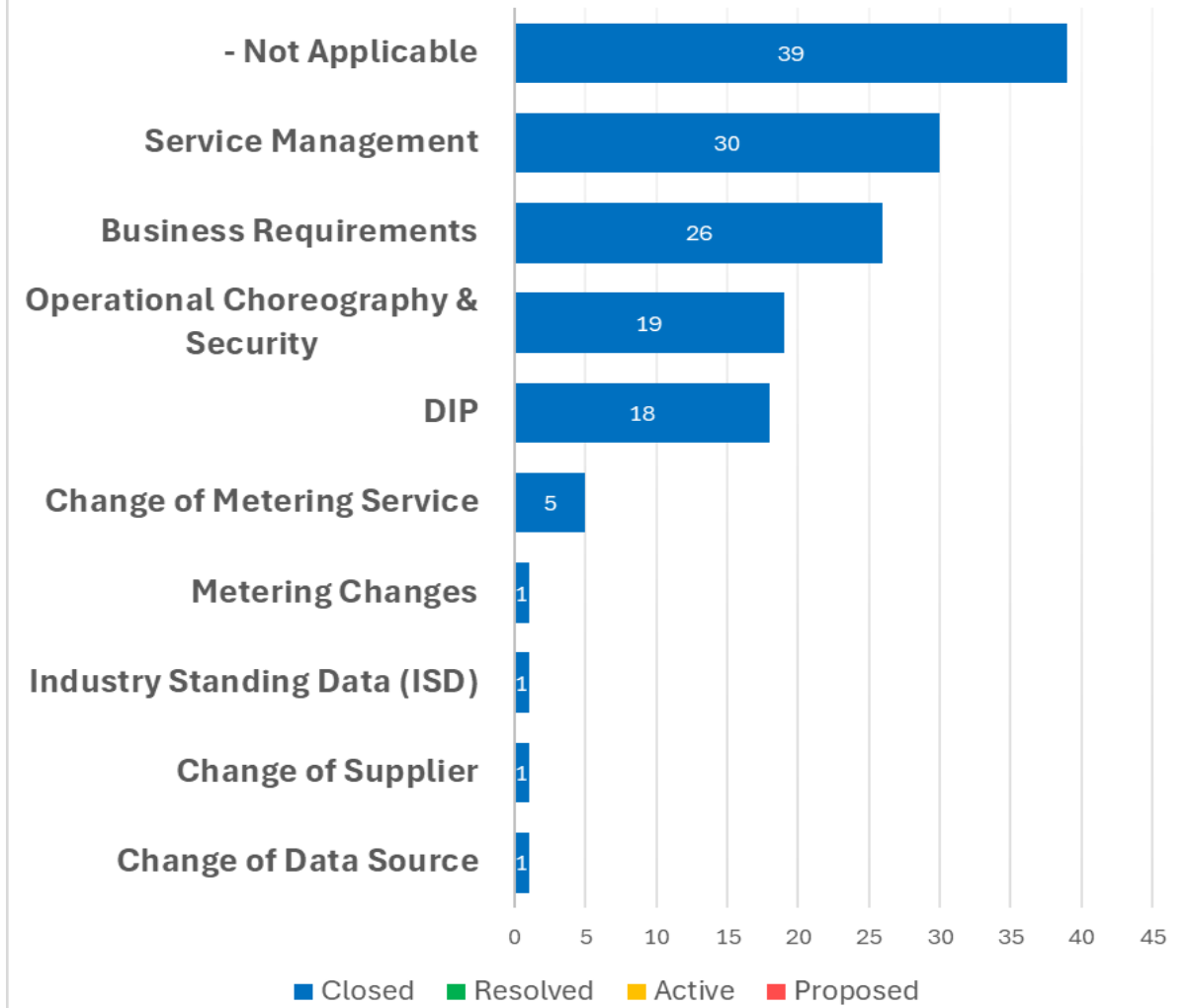
- This version of the exit report contains summaries of:
 - Defects raised by Type (and State)
 - Defects raised by Theme and (and State)
 - Defects by Raiser (and State)
 - Defects by Resolver (and State)

SIT Operations - Defect Types and Theme Summary (as at 05/08/25)

ALL DEFECTS BY DEFECT TYPE



ALL DEFECTS BY DEFECT THEME



SIT Operations - Defect Raisers and Resolvers Summary (as at 05/08/25)

Defect Raisers

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

Participant Raiser	Closed	Resolved	Active	Proposed
- Not Applicable	33			
Power Data Associates	16			
SSEN	13			
Ensek	11			
BUUK	9			
ESG	9			
Kraken	7			
IMServ	6			
Itron	5			
Utilita	5			
Callisto	4			
TMA	4			
Energy Assets	3			
Helix	3			
SMS	3			
DCC	2			
Seaglass	2			
Wheatley	2			
Avanade	1			
Stark	1			
Tym Huckin	1			
Utiliteam	1			
	141	0	0	0

Defect Resolvers

(Participant responsible for resolving defects)

Resolver	Closed	Resolved	Active	Proposed
SIT OPs Test Team	57			
Avanade - DIP provider	18			
SI Assurance	14			
Service Now	13			
- Non Central Party	11			
SSEN	6			
Helix	4			
SI Design	3			
C&C	2			
St.Clements	2			
Callisto	1			
ENSEK	1			
ESG	1			
Itron	1			
MS.net	1			
No Resolver Group Assigned	1			
PDA	1			
SI Test Team	1			
Smart DCC	1			
Tym Huckin	1			
Utilita	1			
	141	0	0	0

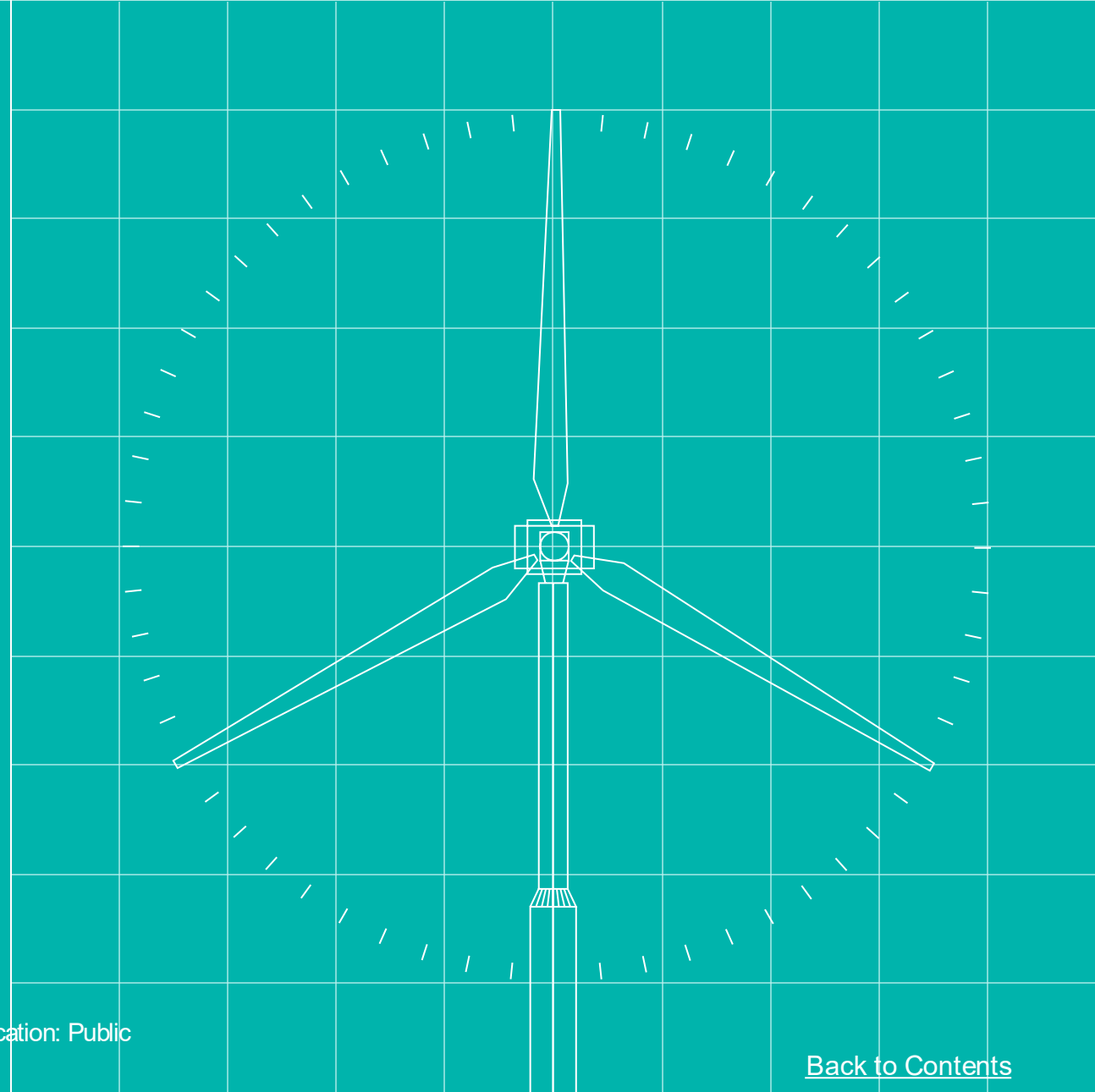
SIT Operations - Open Defects by Resolver Group (as at 05/08/25)

There are no open defects at the conclusion of SIT Operations.

SIT Operations - Open Defects Per Workstream (as at 05/08/25)

Open Defect Report	Theme 1	Theme 2	Theme 3.1	Theme 3.2
Summary of Open Defects by Cohort Raiser and Severity	0	0	0	0
Summary of Severity 1 & 2 Open Defects by Resolver Group and Progress State	0	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Central Party	0	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Programme	0	0	0	0
List of Severity 1 & 2 Open Defects where Resolver Group = Internal Cohort	0	0	0	0
Summary of Severity 3 & 4 Open Defects by Resolver Group and Progress State	0	0	0	0
List of Severity 3 & 4 Open Defects where Resolver Group = Central Party	0	0	0	0
List of Severity 3 & 4 Open Defects where Resolver Group = Programme	0	0	0	0
List of Severity 3 & 4 Open Defects where Resolver Group = Internal Cohort	0	0	0	0

Section 6: Exit Criteria Status



Final SIT Operations Exit Criteria Status (Cohort A)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	Kraken	Kraken	Kraken	Kraken	Kraken	PDA
SIT Exit Criteria	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	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)
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none">10% of test cases allocated per Market Role x Severity 3 Defects20% 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)
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	Met

Final SIT Operations Exit Criteria Status (Cohort B)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	Kraken	SMS	Itron	Wheatley	Wheatley	-
SIT Exit Criteria	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	100% Passed	100% Passed	100% Passed	100% Passed	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
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	N/A

Final SIT Operations Exit Criteria Status (Cohort C)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	ENSEK	Callisto	Callisto	Callisto	Callisto	-
SIT Exit Criteria	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	100% Passed	100% Passed	100% Passed	100% Passed	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
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	N/A

Final SIT Operations Exit Criteria Status (Cohort E)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	Utilita	IMServ	IMServ	Utilita	Utilita	-
SIT Exit Criteria	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	100% Passed	100% Passed	100% Passed	100% Passed	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
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	N/A

Final SIT Operations Exit Criteria Status (Cohort F)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	Seaglass	TMA	TMA	IMServ	IMServ	-
SIT Exit Criteria	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	100% Passed	100% Passed	100% Passed	100% Passed	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
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	N/A

Final SIT Operations Exit Criteria Status (Cohort G)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	ESG	TMA	Energy Assets	ESG	ESG	PDA
SIT Exit Criteria	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	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)
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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)
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	Met

Final SIT Operations Exit Criteria Status (Cohort H)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	ESG	SMS	SMS	SMS	SMS	-
SIT Exit Criteria	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	100% Passed	100% Passed	100% Passed	100% Passed	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
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none">10% of test cases allocated per Market Role x Severity 3 Defects20% 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
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	N/A

Final SIT Operations Exit Criteria Status (Cohort J)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations					
	Utiliteam	Stark	Stark	Stark	Stark	Tym Huckin
SIT Exit Criteria	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	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)
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 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)
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	Met

Final SIT Operations Exit Criteria Status (Core Parties / LDSOs)

The SIT Operations Exit Criteria = **Complete**

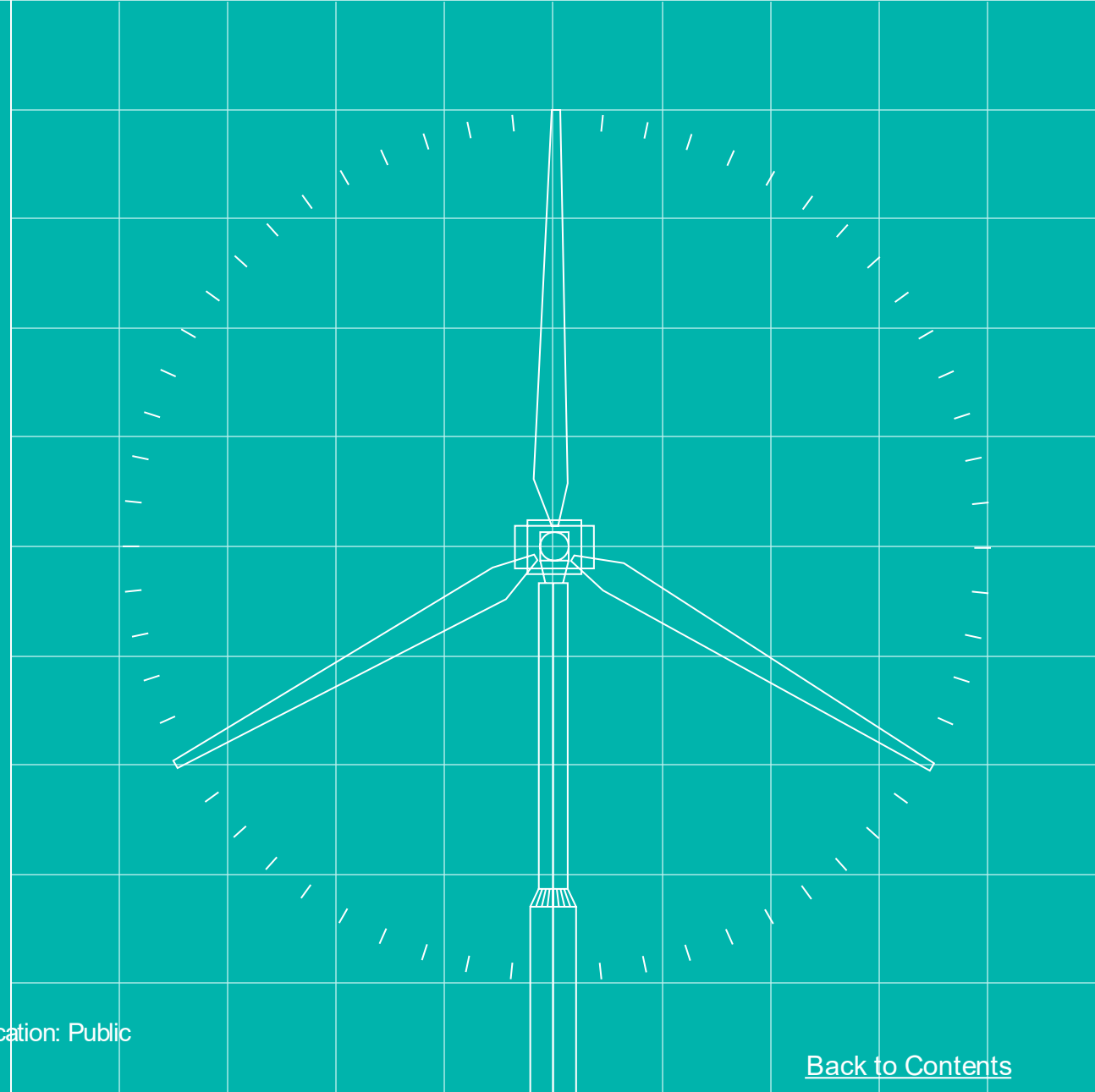
SIT Stage Testing Participant Organisation	SIT Operations					
	BUUK	BUUK	BUUK	SSEN	SSEN	SSEN
SIT Exit Criteria	LDSO	UMSO	REGS	LDSO	UMSO	REGS
Cohort A 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort B 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort C 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort E 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort F 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort G 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort H 85% Passed, or exceptions agreed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed	100% Passed
Cohort J 85% Passed, or exceptions agreed	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)
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none">10% of test cases allocated per Market Role x Severity 3 Defects20% 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)
Work-off plan for any outstanding defects has been produced and agreed	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
Defects have been captured in the defect management tool	Met	Met	Met	Met	Met	Met

Final SIT Operations Exit Criteria Status (Central Parties)

The SIT Operations Exit Criteria = **Complete**

SIT Stage Testing Participant Organisation	SIT Operations				
	RECCo	Helix	DCC	DIP	Electralink
SIT Exit Criteria	EES	MDS, LSS, VAS, ECS, ISD	-	-	-
Cohort A 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort B 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort C 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort E 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort F 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort G 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort H 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
Cohort J 85% Passed, or exceptions agreed	N/A	100% Passed	100% Passed	100% Passed	N/A
There are no outstanding Severity 1 or 2 defects, or any exceptions are documented and agreed	N/A	Met (0 Open)	Met (0 Open)	Met (0 Open)	N/A
The number of outstanding Severity 3 or 4 defects, within the following thresholds: <ul style="list-style-type: none"> 10% of test cases allocated per Market Role x Severity 3 Defects 20% of test cases allocated per Market Role x Severity 4 Defects 	N/A	Met (0 Open)	Met (0 Open)	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
Test results and evidence has been captured in the test management tool	N/A	Met	Met	Met	N/A
Defects have been captured in the defect management tool	N/A	Met	Met	Met	N/A

Section 7: PIT Work Off Items

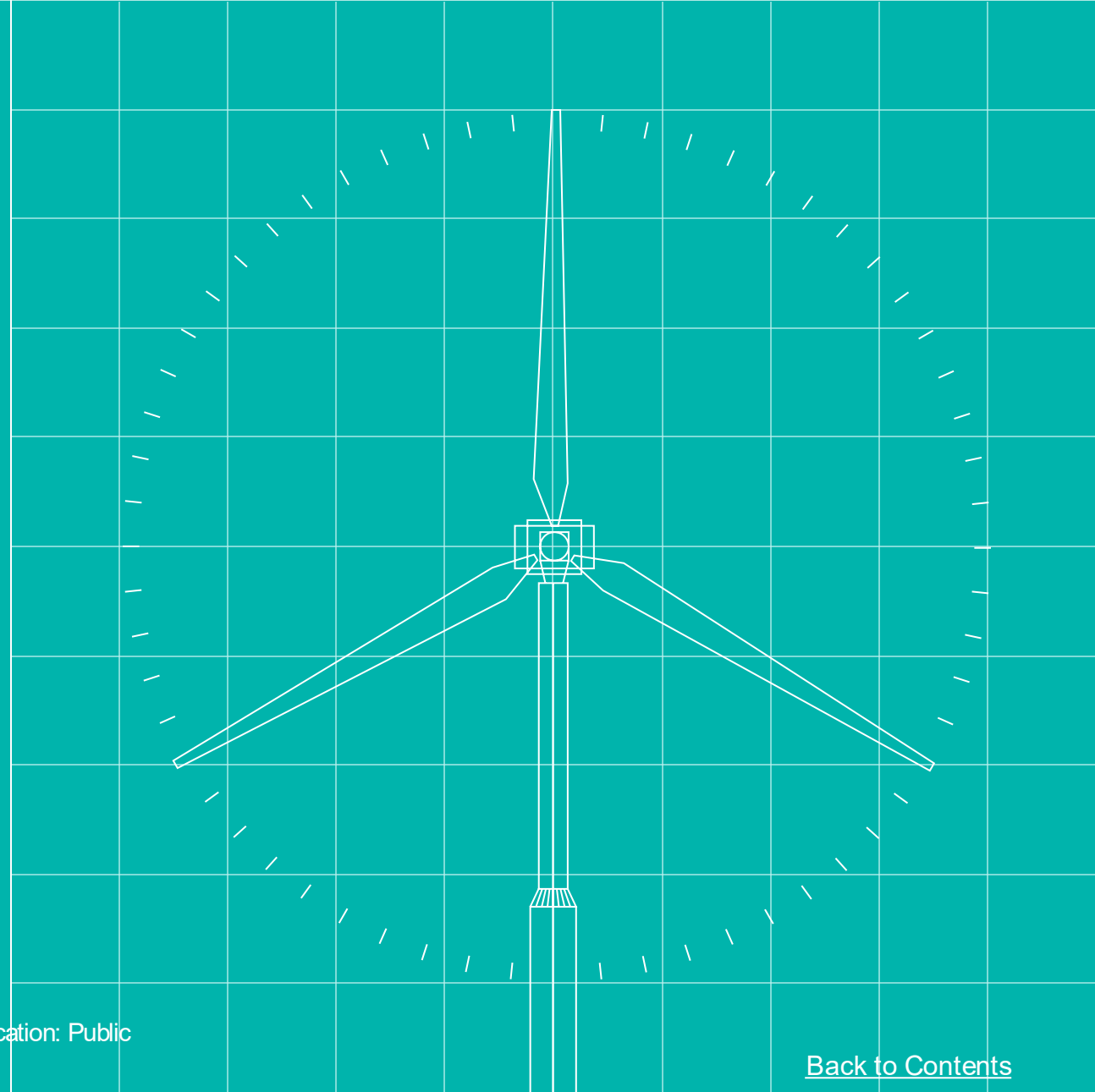


PIT Work Off Items

#	Work Off Item	Owner	Current Status	ETA	RAG
1	Helix PIT	Elexon	<p>Participant has the following outstanding items as part of SIT Ops PIT:</p> <ol style="list-style-type: none">1. BCDR – Final Technical Disaster Recovery Plan on track for closure by end of August 2025.2. Business requirement MHHSP-47 – Tranche 2 and Tranche 3 reports – on track3. Service Management – Operational Manual – Statement of Work (SOWS) for ISD, LSS/VAS and MDS will be presented to the BSC Panel, on track for closure by mid-August 2025. <p><i>It should be noted that none of these work-off items impact qualification for programme participants.</i></p>	Ongoing	G

- These items are called out for transparency and should be considered when a decision is made at SITAG.
- The Programme asserts they should not materially impact the decision to close the SIT Operational Test Stage.

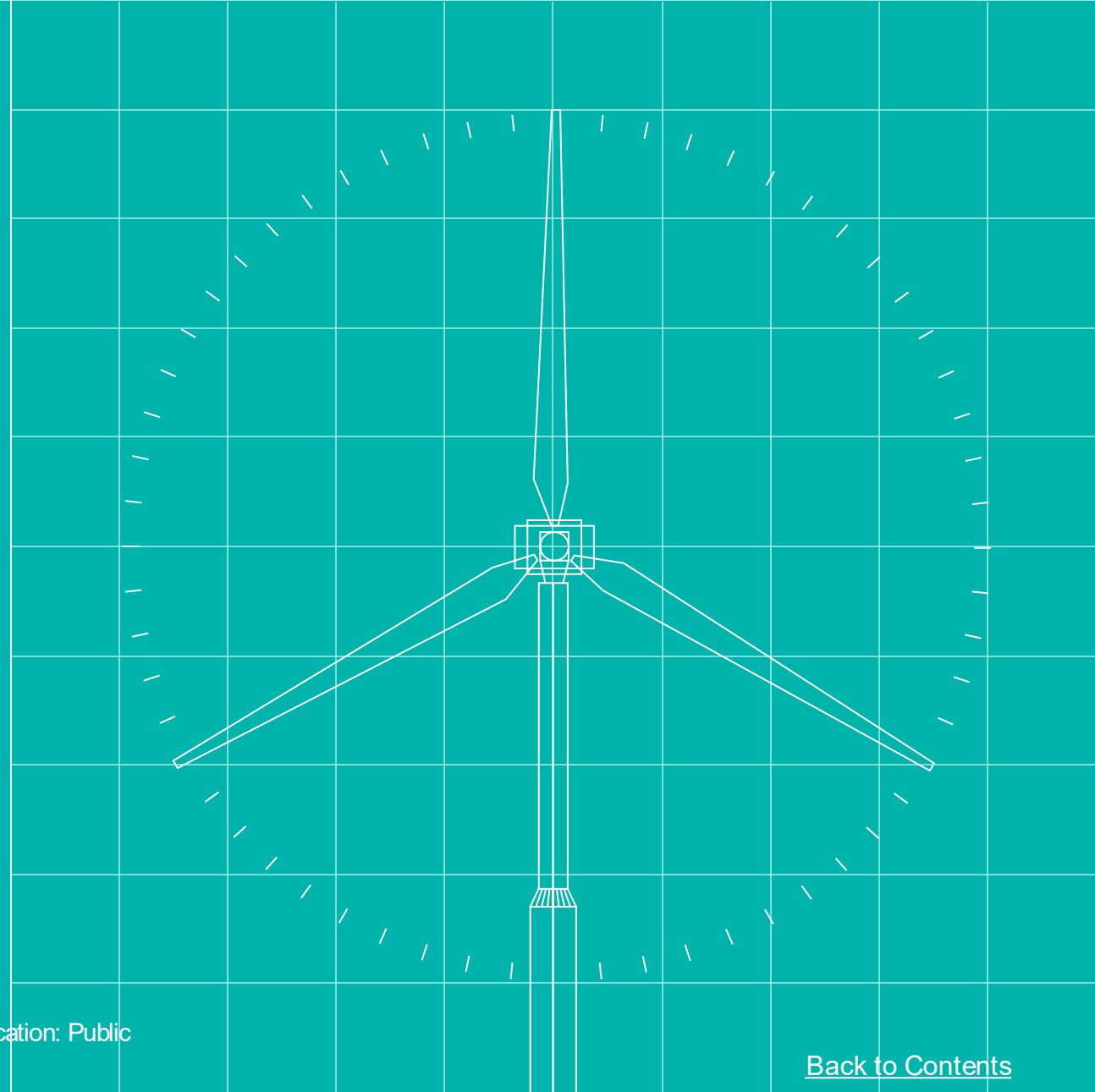
Section 8: Programme Risks



SIT Operations – Programme Risks

N/A – At the time of writing all risks logged on the MHHS programme RAID log that were associated to the SIT Operations stage are closed.

Section 9: Approach to Lessons Learned



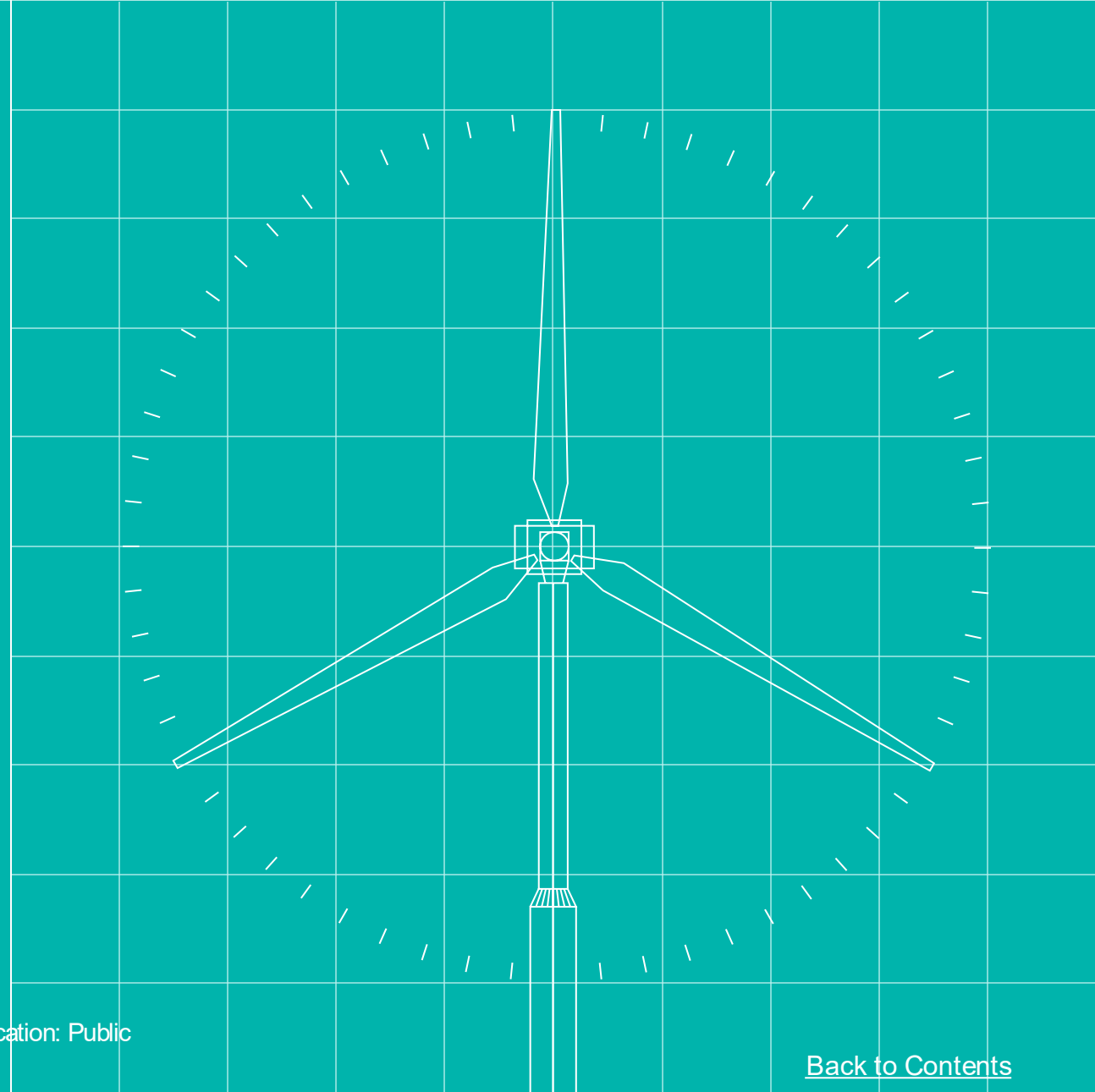
The programme recognises the value of capturing lessons learned from the delivery of MHHS SIT and has a responsibility to document these insights to support the planning and delivery of future industry programmes of a similar nature.

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 10: SITAG Recommendation

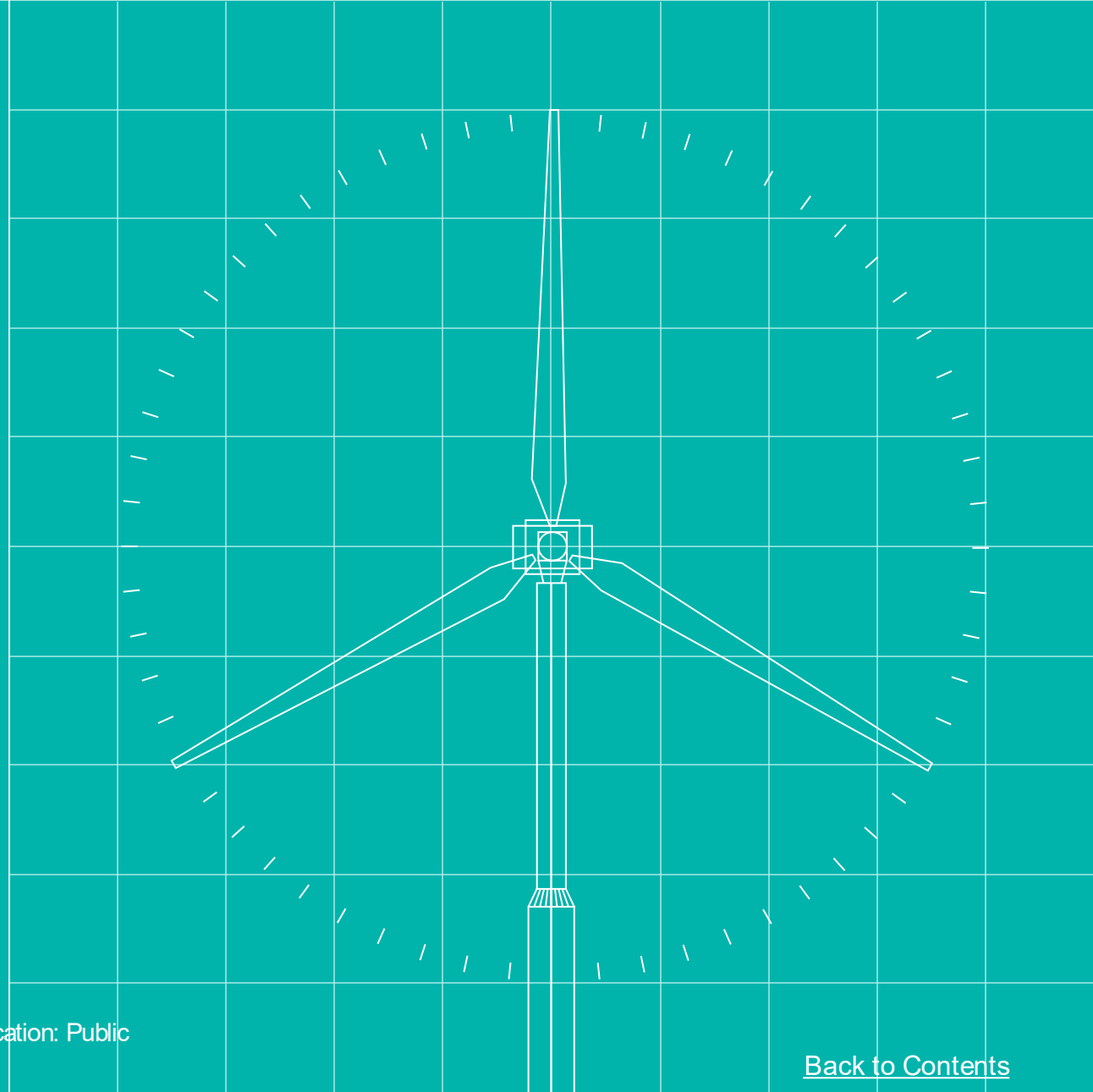


The Programme recommends that the Exit Criteria for the SIT Operations Stages are met (with some PIT work-off items) and so the Programme can formally proceed to exit the SIT Operational Test stage, therefore the following milestone should be approved by SITAG:

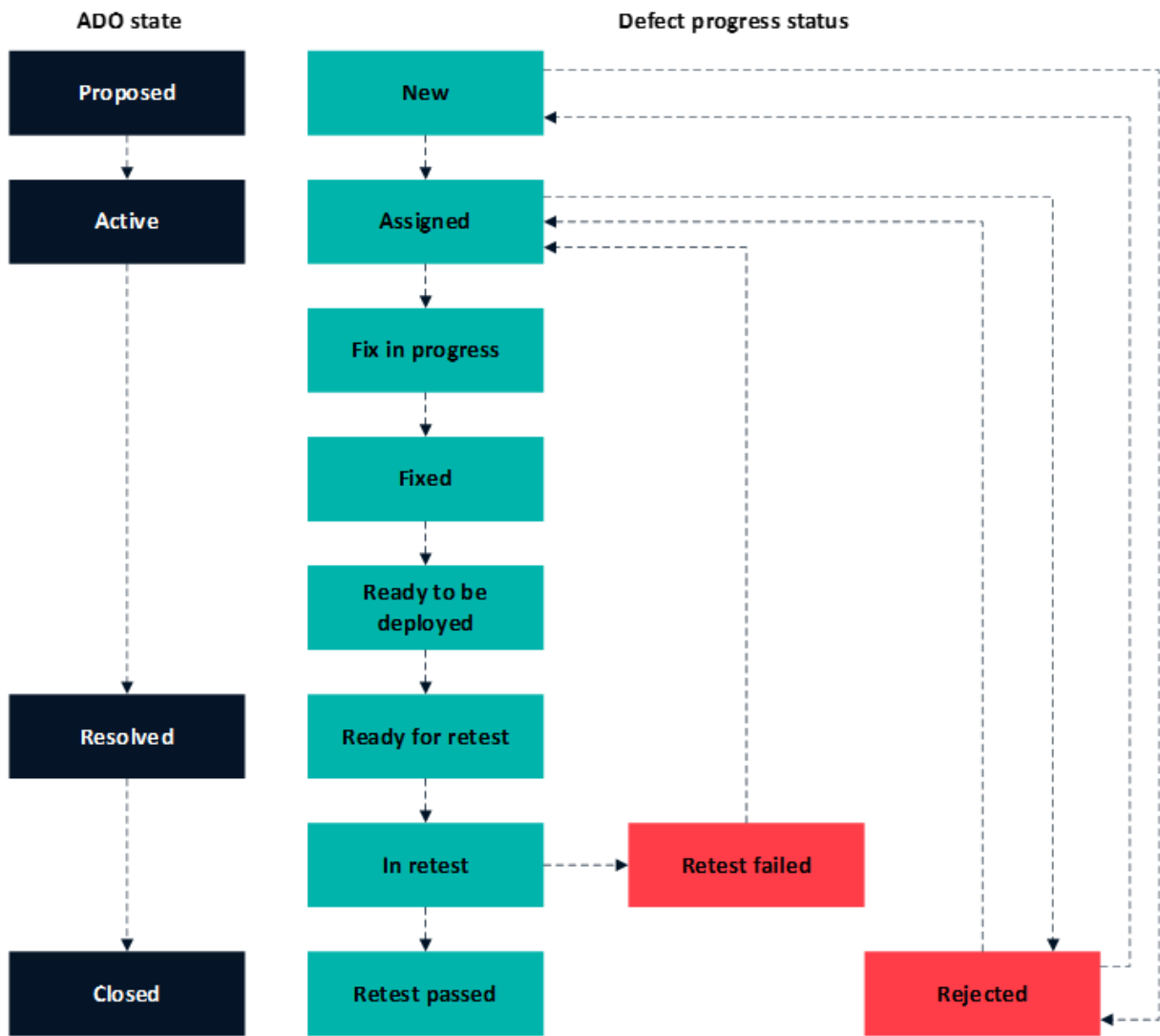
T2-TE-0950	SI SIT Operations Testing Test Exit Report Approved
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Appendix A:

Reference Guidance on Defect States, and Progress Status



Reference Guidance on Defect States, and Progress Status



- **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

