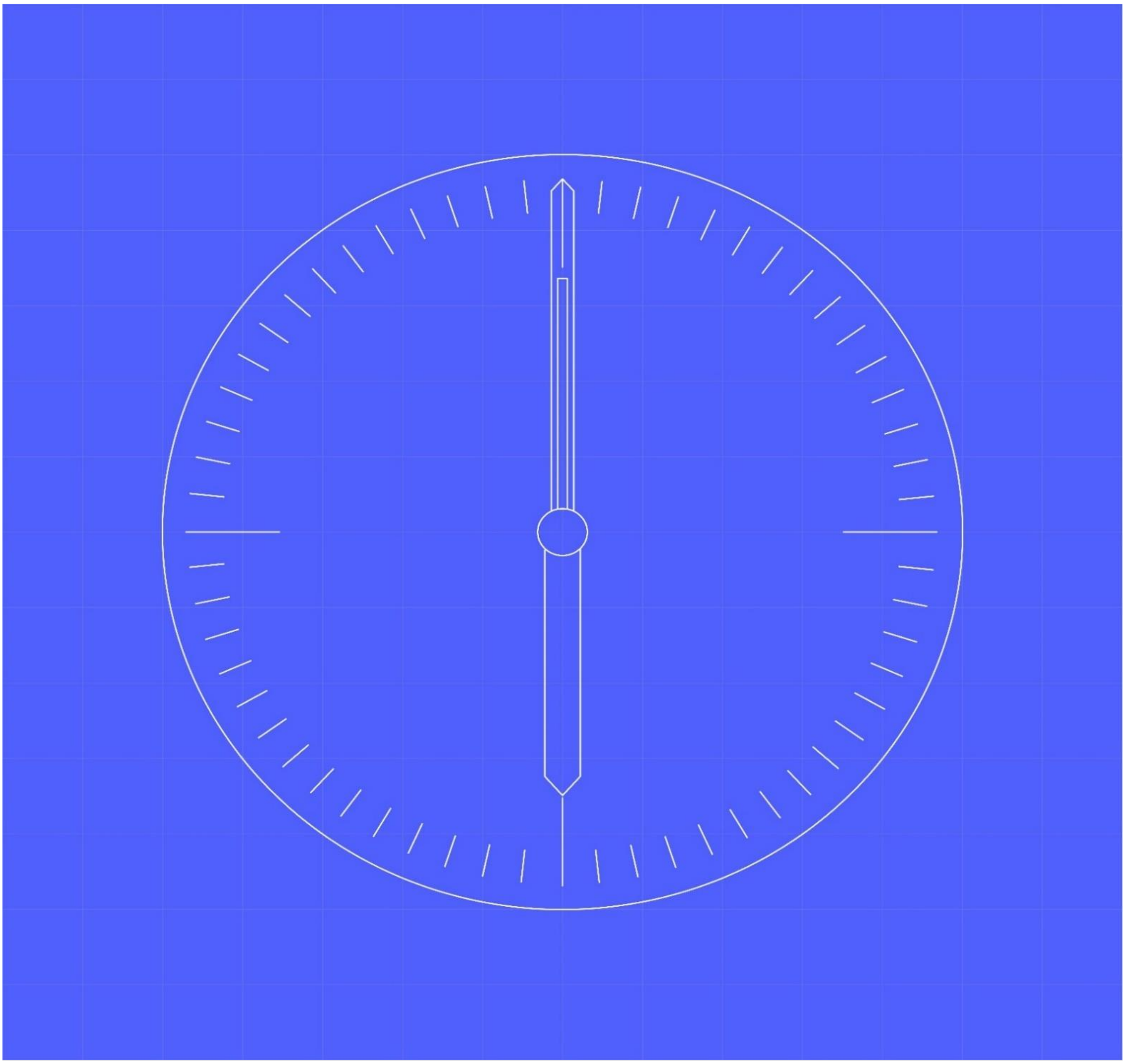
Non-SIT Supplier and Agent
Test Assurance Process for PIT and QT



Document owner	Document number	Version
Elexon	**MHHS-DEL3769**	**V1.0**
Status:	Date	Classification
Final	**19 May 2025**	**Confidential**

1 Contents

Figures

1.1 Change Record

Date	Author	Version	Change Detail
18/05/2025	Non-SIT S&A Team	1.0	First Issue

1.2 Reviewers

Reviewer	Role
Various	Non-SIT S&A Test Assurance Team
Various	LDP
Various	SRO
Various	Code Bodies (BSC and REC)

1.3 References

Ref No.	Document/Link	Publisher	Published	Additional Information
REF-01	Qualification Approach and Plan (QA&P)	BSC and REC Code Bodies	3rd April 2024	
REF-02	MHHS-DEL852 – Pre-Integration Test Guidance	MHHSP	11th December 2024	
REF-03	MHHS-DEL466 Defect Management Plan	MHHSP	29th February 2024	
REF-04	QT Test Participant Readiness Report Template	Non-SIT S&A Test Assurance Team	3rd September 2024	
REF-05	QT Test Catalogue and QT Pro Forma	Non-SIT S&A Test Assurance Team	6th May 2025	
REF-06	QT Test Plan Template	Non-SIT S&A Test Assurance Team	19th May 2025	*New Version*
REF-07	QTF User Guide	Non-SIT S&A Test Assurance Team	Under Development	ETA June 2025
REF-08	QT Test Completion Report Template	Non-SIT S&A Test Assurance Team	14th January 2025	
REF-09	PIT QT RTTM	Non-SIT S&A Test Assurance Team	Under review pending SIT revision	TBC

REF-10	MHHS-DEL2433 Annex 2 Non-SIT Supplier and Agent MHHS QT Test Approach and Plan	MHHSP	30th January 2025	
REF-11	MHHSP-DES138-Interface Catalogue	MHHSP	24th March 2025	
REF-12	MHHS-DEL3770 Qualification Testing Onboarding Guide	Non-SIT S&A Test Assurance Team	16th May 2025	

1.4 Terminology

Term	Description
Various	For terminology, see MHHSP Glossary on the MHHS portal: Programme Glossary (SharePoint.com) Please see Appendix 15 in QA&P: List of Acronyms

2 Executive Summary

This document is intended as a supplement to MHHS-DEL852 – Pre-Integration Test Guidance [REF-02] and provides additional information on PIT and QT Entry activities, evidence requirements and communication instructions including insight on engagement with the Non-SIT S&A Test Assurance Team throughout these phases.

3 PIT Assurance Readiness

The following section highlights key information and activities that will aid Participants in preparing for Pre-integration Testing Assurance.

3.1 Comms and Support

3.1.1 Appointed Test Assurance Analyst

Each Participant shall be notified of their appointed Test Assurance Analyst prior to commencing PIT evidence sharing and general assurance. The appointed Test Assurance Analyst shall act as the Non-SIT S&A Test Assurance Primary Contact for the Participant's Test Team during the PIT Assurance through Qualification Testing activities where possible; during the course of Assurance, it may be necessary to appoint a secondary Test Assurance Analyst but this shall be discussed in advance with the Participant prior to any changes being made.

Any queries intended to the Code Bodies should be directed to the appointed Test Assurance Analyst in the first instance.

3.1.2 Establishing Checkpoint Calls

The Test Assurance Analyst will schedule an introductory call with the Participant's Test Team to agree on a regular checkpoint call schedule. The checkpoint calls will ensure that each Participant has regular times to discuss any outstanding questions or issues with the appointed Test Assurance Analyst.

The initial frequency of checkpoint calls will be arranged on a fortnightly basis with intent to increase on a needs-basis as agreed between the Participant and the Test Assurance Analyst/Non-SIT S&A Team.

3.1.3 Escalations

Participants may request additional support from the PIT or QT Test Manager by request via the appointed Test Assurance Analyst. If needed, the Test Manager will arrange a bilateral to discuss and resolve any outstanding issues where possible. Participants may also, as a final measure, contact MHHSQualification@elexon.co.uk should further assistance be required.

3.2 MHHS Microsoft Teams

3.2.1 Objective

The MHHS Teams channels have been provided to simplify communication and document sharing with the Non-SIT S&A Test Assurance Team and Code Bodies throughout PIT and continuing into Qualification Testing. The key objectives of these channels are:

- Provide a single location to communicate, share documents/evidence, ask questions and access important information.
- Serves as the primary repository for sharing PIT evidence with the Non-SIT S&A Test Assurance Team and Code Bodies.
- Receive timely notifications of critical events such as environment outages or release updates.
- Share or benefit from lessons learned via the FAQ
(contributions can always be suggested and are welcome).

3.2.1 Requesting MHHS Accounts

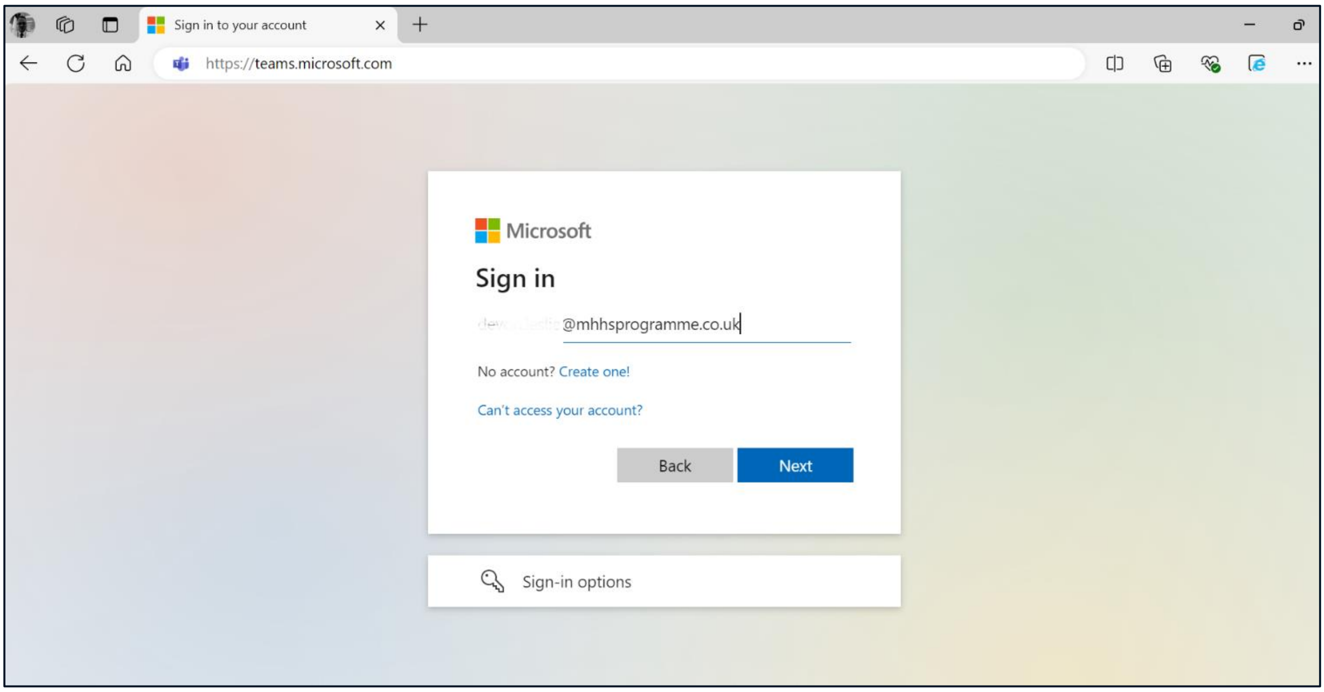
MHHS Non-SIT S&A Microsoft Teams access is provisioned via MHHS email accounts. All individuals identified by Participants as requiring access must either already possess a pre-existing MHHS email account or if required, request additional accounts for any individuals via MHHSQualification@elexon.co.uk.

Please note that any Participants who are qualifying under a ‘Testing on Behalf Of’ arrangement shall be required to request MHHS accounts for any third-party testing resources who will need to coordinate assurance activities with the appointed Test Assurance Analyst.

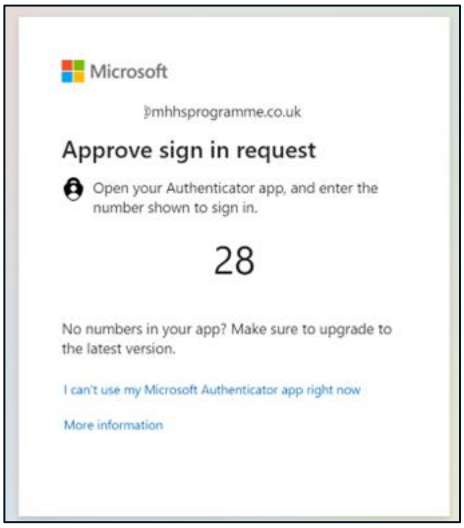
3.2.2 Logging into MHHS Teams

It is recommended to use the browser version of Microsoft Teams via Microsoft Edge web browser. Due to compatibility requirements, only Microsoft Edge may be used to access MHHS Teams. The following section describes how Participants can navigate to and log into the MHHS Microsoft Teams account using Microsoft Edge.

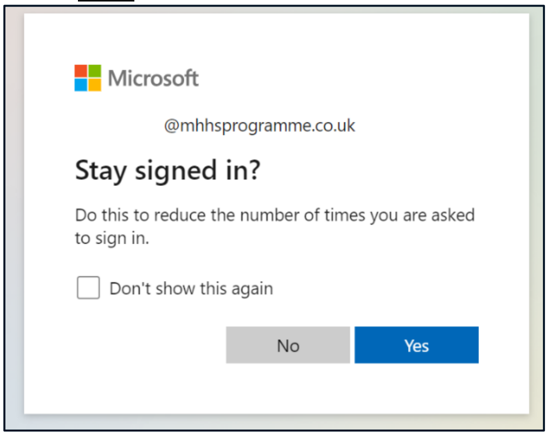
When opening Microsoft Edge, enter https://teams.microsoft.com/ into the URL bar; be sure to bookmark this URL for future use. If Participants have previously used an MHHS account on the browser, the MHHS account should be visible as an option to select. Otherwise, Participants are advised to select ‘Use another account' and will be presented with the option to log into a MHHS account using an MHHS email address and password:



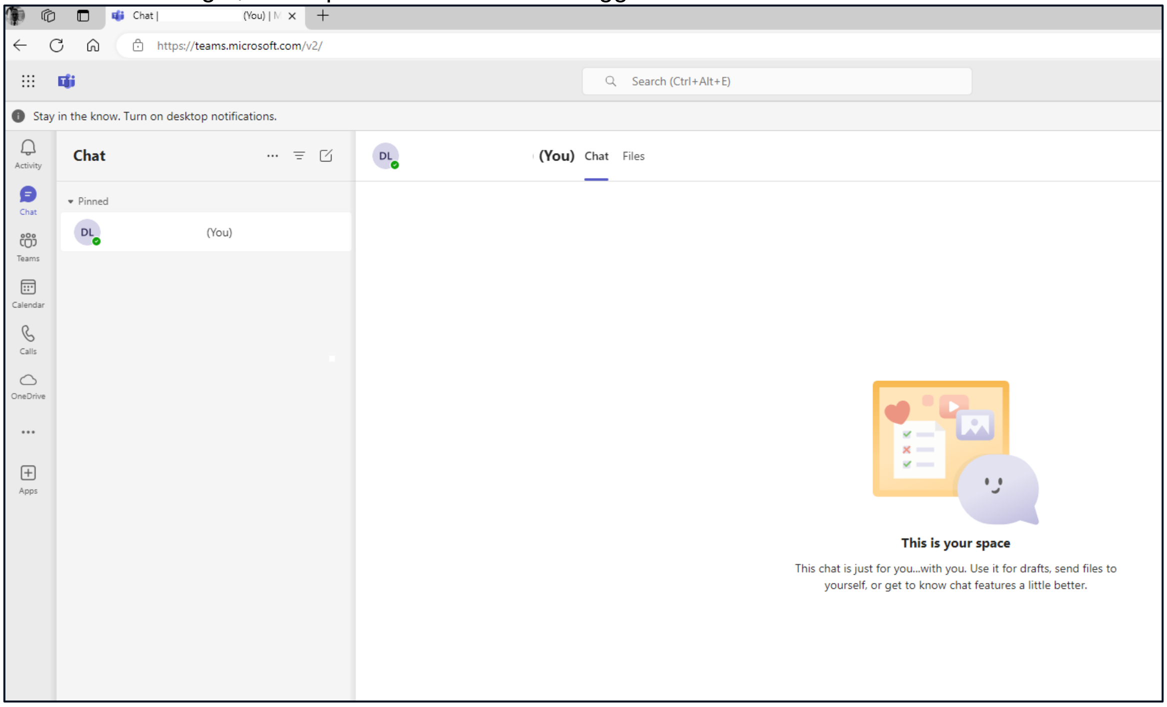
Participants may be prompted for MFA authentication:



To reduce sign-in requests, it is possible to select ‘Yes’ to preserve authentication (time limited) – it is NOT recommended to tick ‘Don’t show this again’ as this could cause issues with subsequent logins:



On Successful login, Participants should now be logged into Microsoft Teams as an MHHS User:



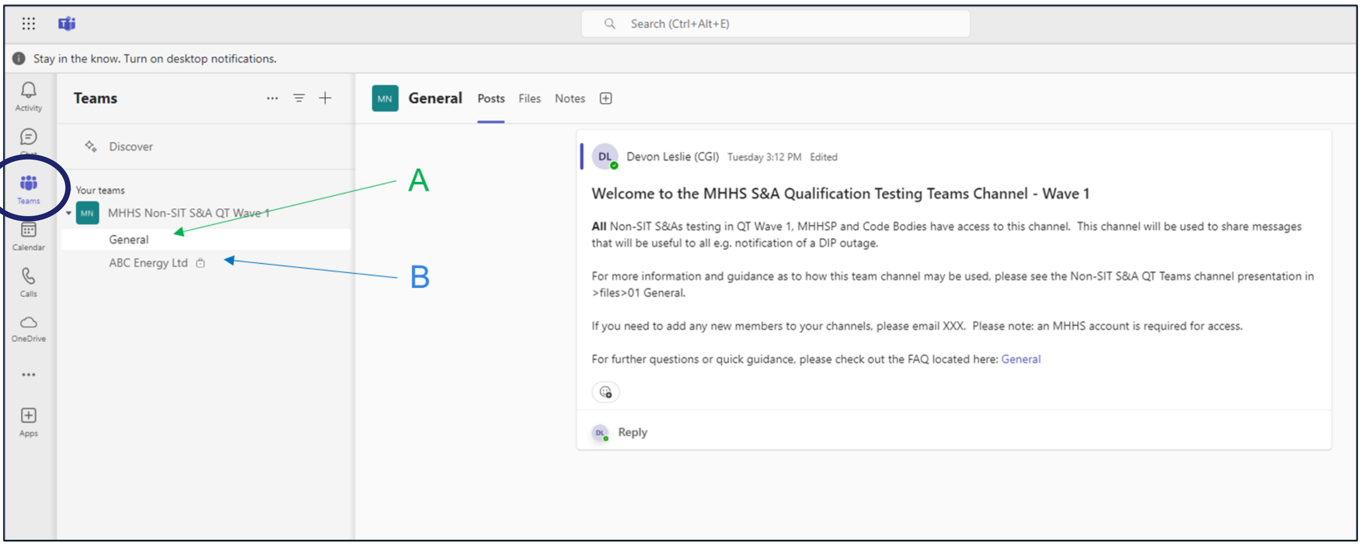
3.2.3 Teams Structure

3.2.3.1 Primary Channels

Each Participant will be granted access to the designated Non-SIT S&A Microsoft Team for the assigned wave. By clicking on the 'Teams' icon found in the left-hand navigation section, the following will be presented:

A. The General Channel (general notices for the Wave, FAQ, additional resources as needed)

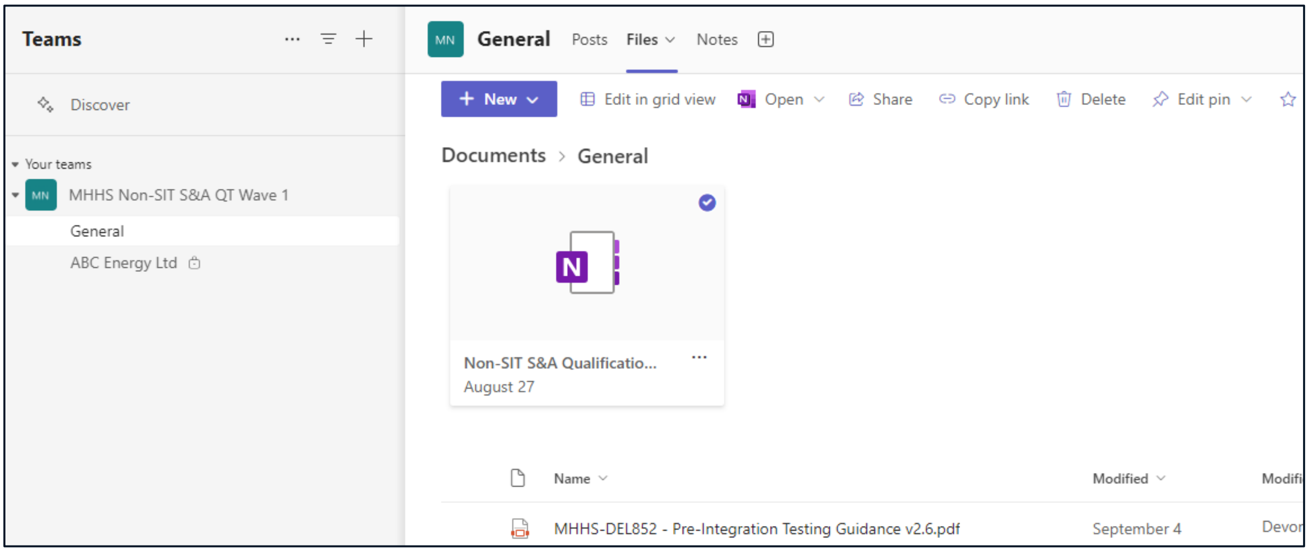
B. Participant Private Channel (confidential messaging, file repository for sharing evidence and key documents)



3.2.3.2 Non-SIT S&A FAQ

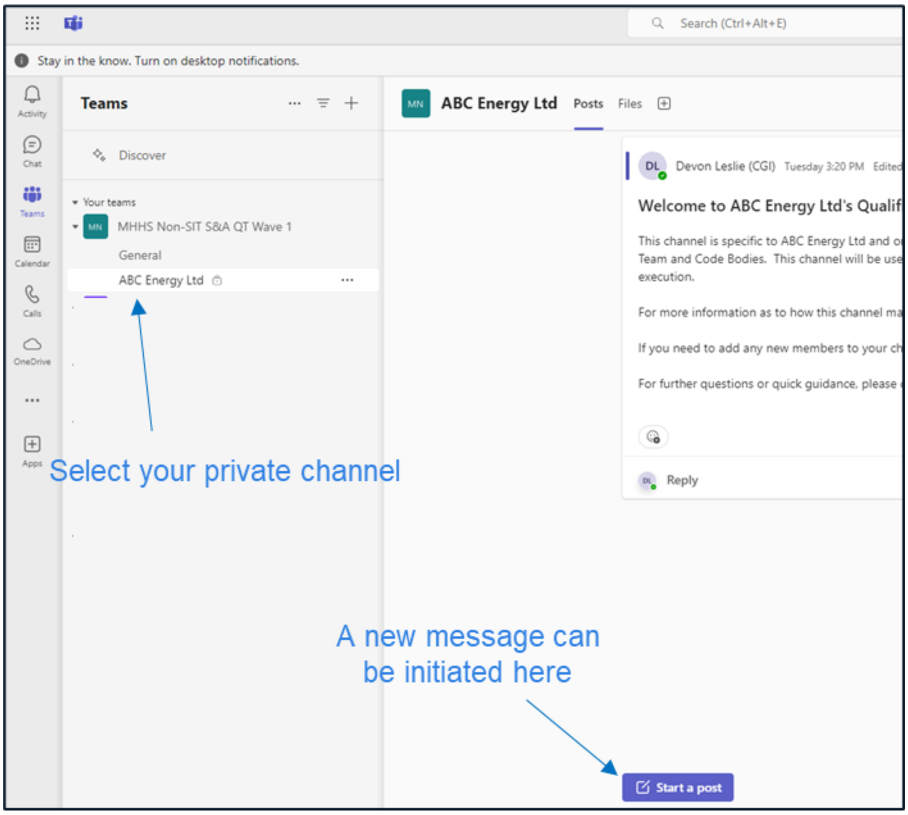
To aid quick access to information and resources pertaining to test assurance, a FAQ has been supplied to all Participants which contains relevant excerpts of guidance and links to supporting documentation published on the Collaboration Base.

The FAQ will undergo continuous additions and improvement to content. All Participants are welcome to suggest changes to the Non-SIT S&A Test Assurance Team. The FAQ is found in the General>Files section of MHHS Teams as shown below:



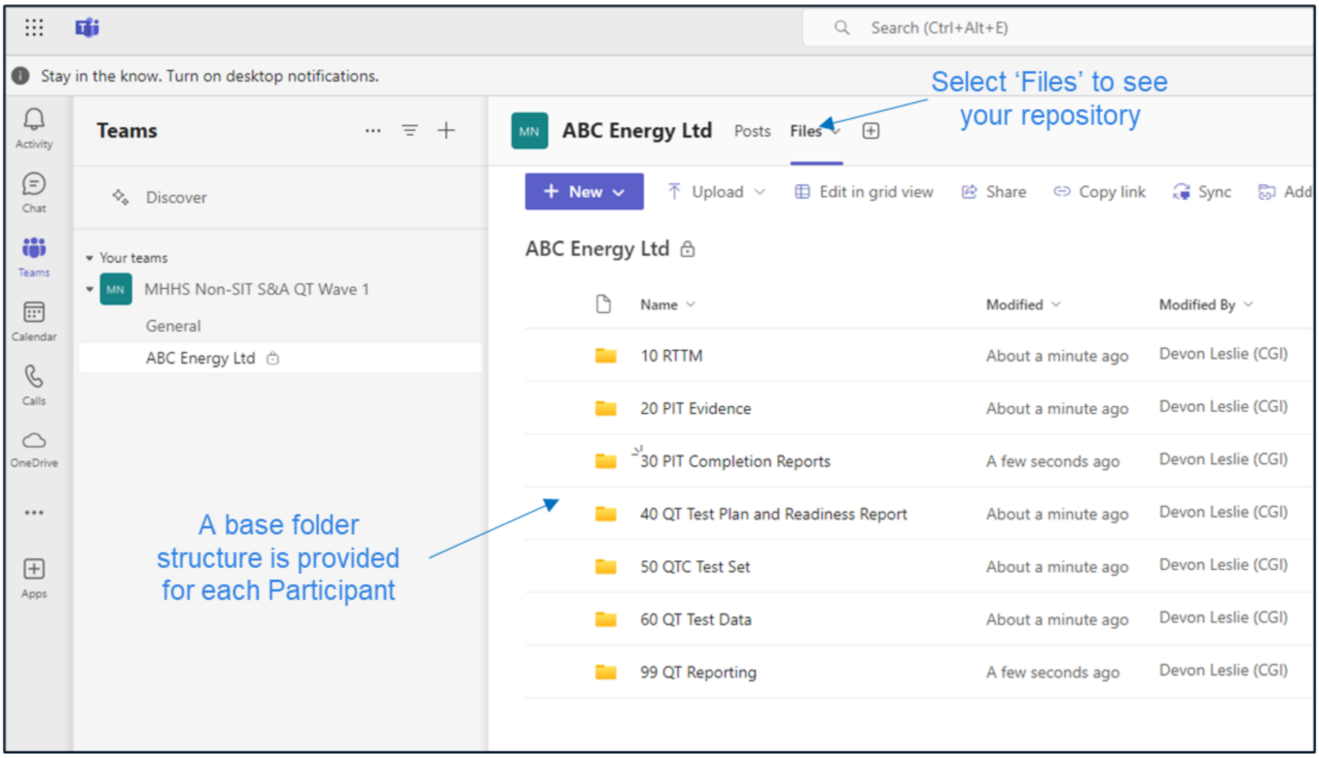
3.2.3.3 Participant Private Channel

A private channel has been supplied to each Market Participant. Participants may post confidential messages in this channel as well as share documentation and evidence using the file repository (Files). This channel and all contents are only visible by the Participant's nominated users, the Non-SIT S&A Test Assurance Team and Code Bodies.



3.2.3.4 Participant File Repository

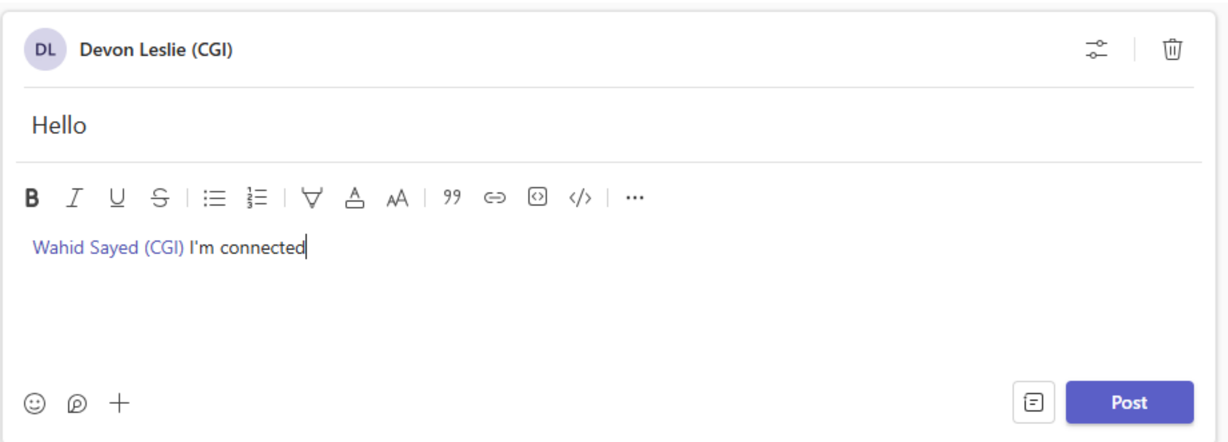
The Participant private file repository can be accessed by selecting 'Files' from the top right navigation bar. Contained within is a standard folder structure to store key documents and evidence specific to PIT Assurance and Qualification Testing. Please note that only the PIT Evidence folder is required for use by Participants at this time.



3.2.4 Contacting the appointed Test Assurance Analyst

Once a Participant has successfully logged into MHHS Teams, the appointed Test Assurance Analyst should be contacted; this will be communicated in advance to Participants. Contacting the appointed Test Assurance Analyst can be achieved by posting a new message in the Participant Private Post area, tagging as shown below. Once received, the appointed Test Assurance Analyst shall respond in due course

Please note that Participants are requested to avoid posting any messages in the 'General' channel as this will be visible to all Participants within the given wave.



If Participants have begun assurance activities and are unsure of their appointed Test Assurance Analyst, this can be queried by contacting the Non-SIT S&A Team via MHHSQualification@elexon.co.uk

3.3 Core Documents

3.3.1 Submission of all PIT and Qualification Artefacts

The following artefacts listed within this section should be provided to the Non-SIT S&A Test Assurance Team in accordance with the submission dates set out in the Qualification Approach and Plan [REF-01]. All artefacts should be sent to MHHSQualification@elexon.co.uk. Participants are invited to upload copies of submitted documents to the MHHS Teams Participant Private channel for reference, as this shall aid assurance activities, but are reminded that only those documents submitted to MHHSQualification@elexon.co.uk shall be regarded as 'official'.

3.3.2 RTTM Submission

Submission of the PIT QT RTTMs should be emailed to MHHSQualification@elexon.co.uk but can also be uploaded to the Participant Private File Repository on MHHS Teams for quick reference. In all cases, RTTMs submitted to the MHHSQualification@elexon.co.uk inbox shall be considered the 'official' version. [REF-09]

The RTTM will be evaluated against the PIT Approach and Plan and any Placing Reliance agreements that have been approved by the Code Bodies.

3.3.3 Interim PIT Completion Report Submission

Following PIT Assurance, all Participants must submit an interim PIT Completion Report in accordance with the Qualification Approach and Plan [REF-01] and QA&P Annex 2 [REF-10]].

3.3.4 QT Test Plan Submission

Participants must provide a Qualification Test Plan [REF-16] in accordance with the Qualification Approach and Plan. [REF-01]

3.3.5 Submission of revised RTTM with QTC Test Case references

As part of QT Readiness, Participants must provide a revised RTTM [REF-09] identifying all Qualification Test Cases to be run within Qualification Testing. The RTTM should align with the testing scope agreed with the Code Bodies and reflect any exemptions or exclusions due to Placing Reliance; this should be provided on or before submission of the QT Test Plan as per QA&P Annex 2 [REF-10].

3.3.6 Submission of Test Catalogue and QT Pro Forma

As part of QT Readiness, the Test Catalogue [REF-05] must be provided, annotated with any exclusions should they apply, with rationale as per agreement in advance with the Code Bodies via bilateral. Exclusions should align with Placing Reliance agreements and/or business exemptions as approved by Code Bodies. The Test Catalogue must also align with the PIT QT RTTM [REF-09] and this will be cross-checked by the Non-SIT S&A Test Assurance Team. The Test Catalogue should be provided on or before submission of the QT Test Plan as per QA&P Annex 2 [REF-10].

	B	C	D	E	F	G	J	K	M	O	Q	R	T	U
1	QT Scenario	QT Test Case Title	Equivalent SIT Scenario	SIT Scenario Title	Document Number	MSS	MSA	SDS	ADS	SUP	Supplier Linke	UMSDS	Excluded?	Exclusion Rational (please note that this must be reflected in yo RTTM)
2	Import / Export CoS covering agent appointments	Change of DS Advanced Linked	Shared Steps	Change of DS Advanced Linked	MHHS-DEL1822				Y	Y				
3	Related CoS covering agent appointments	Change of DS Advanced Related Multiple	Shared Steps	Change of DS Advanced Related Mult	MHHS-DEL2017				Y	Y				
4	Single MPAN single covering agent appointment	Change of DS Advanced Single	Shared Steps	Change of DS Advanced Single	MHHS-DEL1824				Y	Y			PL_RELIANCE	Placing reliance on ESG for xxx
5	Import / Export CoS covering agent appointments	Change of DS Smart Linked	Shared Steps	Change of DS Smart Linked	MHHS-DEL1825	Y		Y		Y				
6	Related CoS covering agent appointments	Change of DS Smart Related	Shared Steps	Change of DS Smart Related	MHHS-DEL1826	Y		Y		Y				
7	Single MPAN single covering agent appointment	Change of DS Smart Single	Shared Steps	Change of DS Smart Single	MHHS-DEL1827	Y		Y		Y				
8	Single MPAN single covering agent appointment	Change of DS Traditional Single	Shared Steps	Change of DS Traditional Single	MHHS-DEL1830	Y		Y		Y				
9	Import / Export CoS covering agent appointments	Change of DS Traditional Linked	Shared Steps	Change of DS Traditional Linked	MHHS-DEL1828	Y		Y		Y				
10	Related CoS covering agent appointments	Change of DS Traditional Related	Shared Steps	Change of DS Traditional Related	MHHS-DEL1829	Y		Y		Y				
11	Single MPAN single covering agent appointment	Change of DS Unmetered Single	Shared Steps	Change of DS Unmeterered Single	MHHS-DEL1831					Y		Y		
12	Import / Export CoS covering agent appointments	Change of MS Advanced Linked	Shared Steps	Change of MS Advanced Linked	MHHS-DEL1832		Y		Y	Y				
13	Related CoS covering agent appointments	Change of MS Advanced Related	Shared Steps	Change of MS Advanced Related	MHHS-DEL1833		Y		Y	Y				
14	Single MPAN single covering agent appointment	Change of MS Advanced Single	Shared Steps	Change of MS Advanced Single	MHHS-DEL1834		Y		Y	Y				
15	Import / Export CoS covering agent appointments	Change of MS Smart Linked	Shared Steps	Change of MS Smart Linked	MHHS-DEL1835	Y		Y		Y				
16	Related CoS covering agent appointments	Change of MS Smart Related	Shared Steps	Change of MS Smart Related	MHHS-DEL1836	Y		Y		Y				
17	Single MPAN single covering agent appointment	Change of MS Smart Single	Shared Steps	Change of MS Smart Single	MHHS-DEL1837	Y		Y		Y				
18	Import / Export CoS covering agent appointments	Change of MS Trad Linked	Shared Steps	Change of MS Trad Linked	MHHS-DEL1838	Y		Y		Y				
19	Related CoS covering agent appointments	Change of MS Traditional Related Mult	Shared Steps	Change of MS Traditionial Related M	MHHS-DEL2022	Y		Y		Y				
20	Single MPAN single covering agent appointment	Change of MS Trad Single	Shared Steps	Change of MS Trad Single	MHHS-DEL1840	Y		Y		Y				
21	Load Shapes in Estimation	MPAN Load Shapes in Estimation	Shared Steps	Load Shapes in Estimation	MHHS-DEL1983				Y	Y				
22	Load Shapes in Estimation	MPAN Load Shapes in Estimation	Shared Steps	Load Shapes in Estimation	MHHS-DEL1983			Y		Y				
23	Load Shapes in Estimation	MPAN Load Shapes in Estimation	Shared Steps	Load Shapes in Estimation	MHHS-DEL1983					Y		Y		

The Test Catalogue also includes a header sheet containing the QTF/ADO Pro Forma; Participants are requested to complete the Pro Forma to confirm access requirements for all users during Qualification Testing. Please ensure that the Primary Point of Contact has a pre-existing MHHS email address. Additional accounts can be requested via MHHSQualification@elexon.co.uk.

Non-SIT S&A Qualification Testing Configuration

VERSION:	0.2
AS OF:	24/10/2024
CHANGE SUMMARY:	v0.1 - Initial Draft Catalogue v0.2 - Pro Forma added
STATUS:	Interim Version

Please supply the following information below;
NOTE: You must define the team for each MPID/ROLE explicitly.

	Company Information	
Organisation:	Crown	*required for configuration*
MPID:	CRWN	*required for configuration*
ROLE:	SUP	*uired for configuration*
PPOC (name):		*required for MHHS Teams*
EMAIL:		*must be @mhhsprograme.co.uk address*
Phone:		*information only*

	Qualification Team (Maximum 5 QTF Users)	
Defect Manager:		*required for ADO/QTF access*
DM Alternate:		*required for ADO/QTF access*
Tester 1:		*required for QTF access only*
Tester 2:		*required for QTF access only*
Tester 3:		*required for QTF access only*
Tester 4:		*available only if DM will not use QTF*
Tester 5:		*available only if DM Alternate will not use QTF*

3.4 Sharing Evidence

3.4.1 Obfuscation Guidance

When submitting test evidence, where test data has not been used, all Programme participants should ensure that PIT & QT evidence such as Test Reports, Logs or screen captures have been anonymised/obfuscated to remove Personal Identifiable Information (PII). Programme participants are responsible for ensuring that they comply with data protection standards and should liaise with their respective Data Protection Officer (DPO) to ensure compliance with the Data Protection Act.

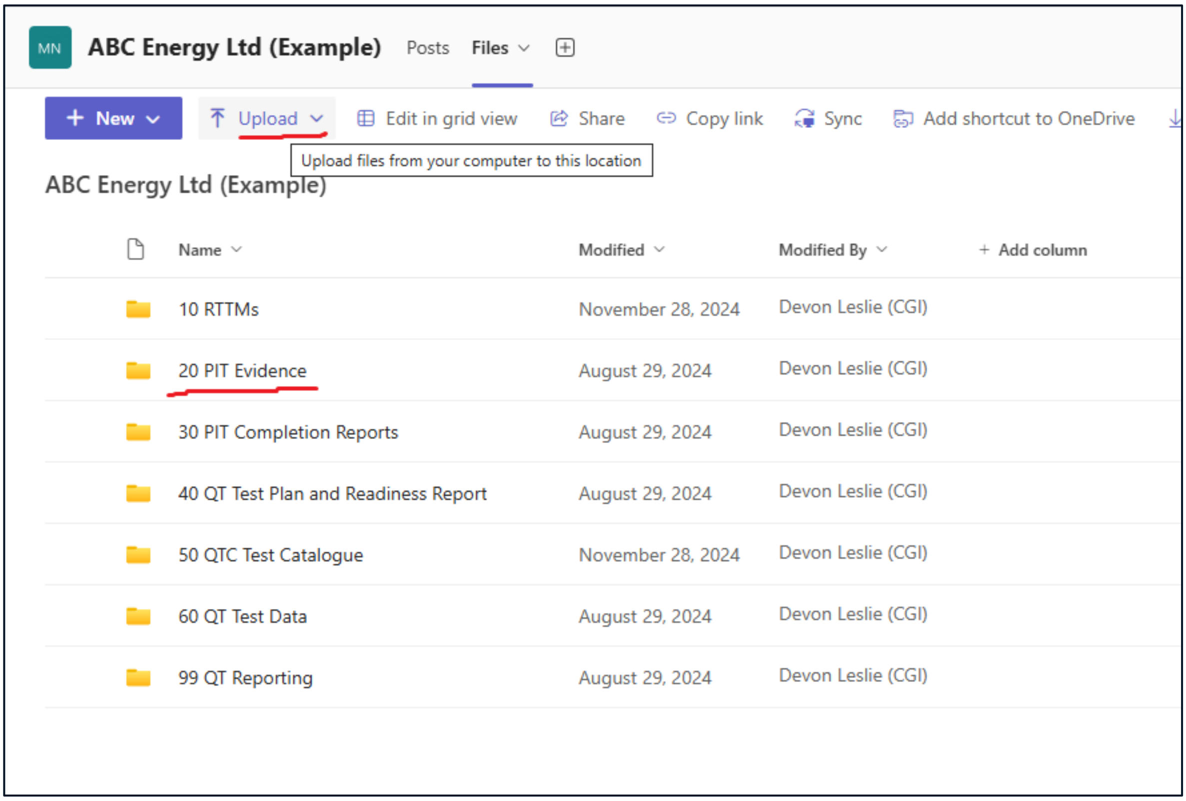
Further information and guidance on evidence obfuscation is available in MHHS-DEL852 Pre-Integration Testing Guidance [REF-02].

3.4.2 Evidence Files – Format and Naming Conventions

All evidence should be compressed to .ZIP format prior to uploading to the Participant's dedicated file repository on the Non-SIT S&A Teams environment.

All uploaded files should be traceable to an associated test case and/or RTTM requirement. Where possible, Participants are requested to embed either a test case ID or requirement reference in the filename (.ZIP). If a test case ID is used, this should be easily identifiable within the RTTM. There is no specific format for the file naming convention provided that it is traceable within the RTTM itself.

3.4.3 Loading Evidence Files



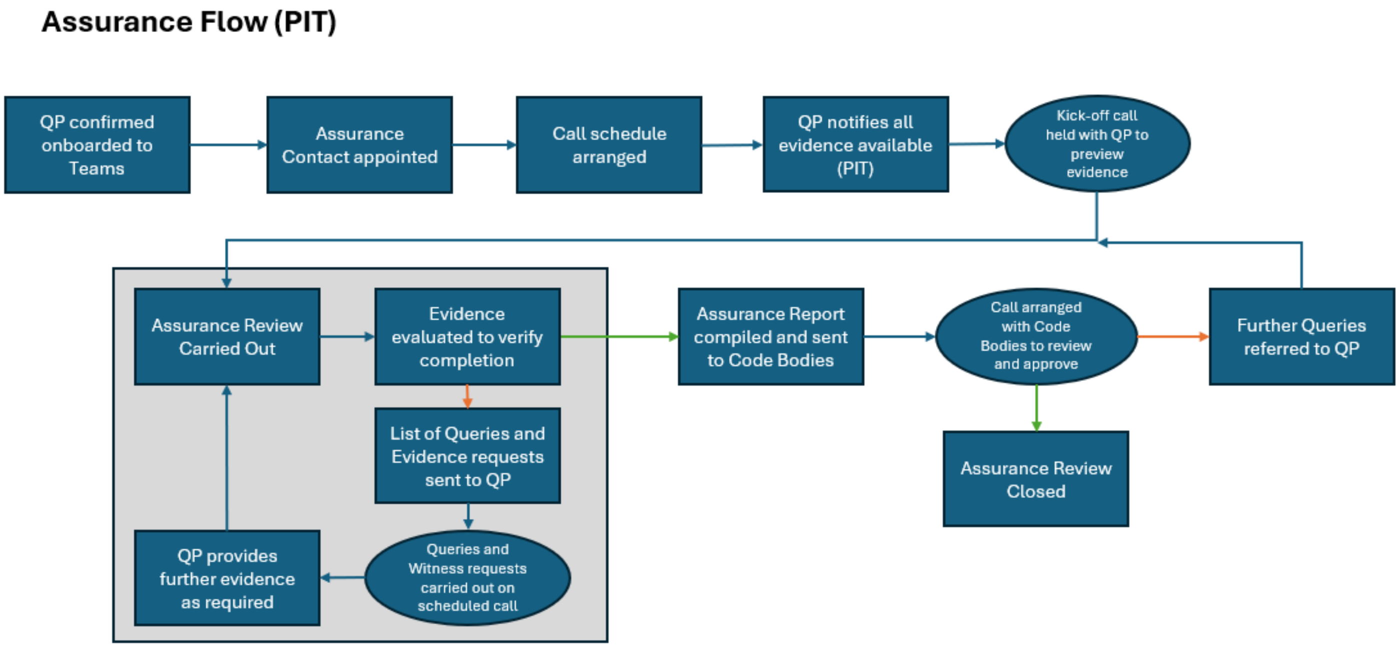
Each Participant is provided with a file repository associated with the private allocated channel. Selecting 'Files' at the top will present a collection of folders that can be used throughout the PIT and QT phases (final structure under review). This shall include a designated folder for PIT Evidence as shown above.

The folder structure is provisional and may be adjusted or used in accordance with Participant needs, however please discuss any changes with your appointed Test Assurance Analyst prior to making any modifications.

4 PIT Assurance

4.1 Assurance Approach

4.1.1 Assurance Process Overview



Following onboarding to the Non-SIT S&A Teams environment, Qualifying Participants (QP) should feel encouraged to begin uploading evidence to the private file repository within the dedicated Teams channel (one assigned to each Participant). If interim checks for quality and standard are desired, this can be arranged by request through contacting MHHSQualification@elexon.co.uk or by contacting the appointed Test Assurance Analyst to request a call.

A call schedule will be agreed with the Participant and the Non-SIT S&A Test Assurance Team/Code Bodies to accommodate any bi-lateral queries or concerns raised during the initial review process.

Once all evidence has been provided, Participants must declare this via the MHHSQualification@elexon.co.uk inbox and inform the appointed Test Assurance Analyst to enable the assurance review to begin. Throughout this review process, the Non-SIT S&A Test Assurance Team may request further clarification or evidence as required which can be provided via email or arranged bi-lateral where appropriate.

On completion of review by the Non-SIT S&A Test Assurance Team, an evidence report (initially internal) will be referred to the Code Bodies for review and approval; at this stage, there may be further queries or evidence requests which shall be relayed to the Participant by the appointed Test Assurance Analyst. Upon satisfying all final queries and evidence requests, the Non-SIT S&A Test Assurance Team shall refer to the Code Bodies for final approval and the Non-SIT S&A Team shall inform the Participant in writing (email).

NOTE: Participants must ensure that all evidence aligns with the RTTM agreed with the Code Bodies and is reflective of any testing requirements that have been covered through Placing Reliance agreements (should they exist). Where evidence has not been provided, this must have been declared and agreed within the RTTM prior to PIT Evidence Review. Participants should also ensure that all aspects of testing declared within the PIT Approach and Plan are supported by appropriate evidence. Any omissions or inconsistencies between evidence, the RTTM and the PIT Approach and Plan will be highlighted by the Non-SIT S&A Test Assurance Team prior to approving evidence for review by the Code Bodies.

4.1.2 Missing or Insufficient Evidence

During review, if evidence is considered missing or insufficient, the appointed Test Assurance Analyst shall request further information and/or evidence from the Participant. If the Participant is unable to submit further evidence but is able to demonstrate through witness testing/observation, this may be permitted on agreement with the Non-SIT S&A Test Assurance Team and the Code Bodies under certain circumstances if justified; however as a general approach, Participants are expected to provide the evidence via the Teams private file repository where possible.

If Participants have any concerns or queries about sharing evidence, Participants should contact MHHSQualification@elexon.co.uk to discuss their concerns with the Non-SIT S&A Test Assurance Team and the Code Bodies.

4.2 Evidence Artefacts (what is expected from Participants)

For the purposes evaluating testing, the following examples are intended to aid Participants with additional insight as to the types of evidence artefacts that will facilitate proof of successful completion. Participants are reminded to adhere to MHHS-DEL852 Pre-Integration Testing Guidance [REF-2]. Participants should feel encouraged to discuss their approach to supplying artefacts with their appointed Test Assurance Analyst.

4.2.1 Pre-completion Consultation

Participants may request review on a sample set of evidence with the Test Assurance Analyst prior to PIT completion for added confidence.

4.2.2 Complete list of Test Cases

To carry out assurance, please supply a complete list of the test scenarios with associated test steps. This may be uploaded or provided by a web-routable reference if contained within a dedicated test repository (Test Assurance Analysts will need guest access to repository where this applies).

Please ensure that all test cases stated within the RTTM are accounted for (and vice versa).

4.2.3 Screenshots

Screenshots are the preferred method to convey the initiating and resting state of an end-point system such as a CRM or Billing system. As part of testing, assurance shall pay particular attention to how a test case was initiated by the end-point system and subsequently how the end-point system processed the information at the conclusion of the test.

An example of how screenshots may be used:

- Identifying how the end-point system initiates a Change of Supply (screenshot and commentary where helpful)
- Demonstrating how the end-point system displays that the Change of Supply has been completed

In this scenario, the Test Assurance Analyst would expect to see two screenshots supporting the initiating and resting state of the test case. Please note that in complex test cases, it is encouraged to provide screenshots of interim steps if multiple transactions with the DIP are required to complete the test case; this is not required to be exhaustive, but it will reduce the risk of the Test Assurance Analyst requesting further information during review. Clarification may be obtained by contacting MHHSQualification@elexon.co.uk

4.2.4 Test Reports

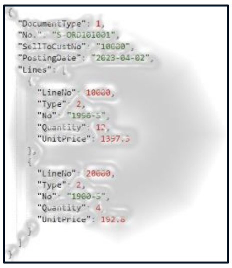
Participants are encouraged to provide evidence of/or access to test logs of all test cases carried out along with pass/fail states. Please note that only Sev3 and Sev4 defects are permitted to allow PIT and QT exit as subject to a work off plan agreed with the Code Bodies. If there are any blockers, these should be discussed with the Test Assurance Analyst in the first instance. Where required, a a bilateral <u>will</u> be arranged to discuss impact on Qualification.

4.2.5 Inbound/Outbound Traffic to a DCP (Third-Party DIP Connection Provider)

For Participants using a DCP, capture of all inbound and outbound traffic (e.g. JSON payload) should be provided from/to end-point systems to demonstrate how information is being passed between the end-point system to/from the DCP. This is particularly essential if the Participant is placing reliance on another party where the DCP has previously demonstrated capability in SIT.

4.2.6 Inbound/Outbound Traffic to the DIP Simulator

Participants must provide evidence of all inbound/outbound traffic to the DIP simulator relevant to each test case. For those Participants who are using a DCP, the Participant is required to collect this from their DCP unless covered by a Placing Reliance agreement previously discussed and approved by the Code Bodies.



```
{
  "DocumentType": 1,
  "No.": "S-ORD101001",
  "SellToCustNo": "10000",
  "PostingDate": "2023-04-02",
  "Lines": [
    {
      "LineNo": 10000,
      "Type": 2,
      "No": "1996-S",
      "Quantity": 12,
      "UnitPrice": 1397.5
    },
    {
      "LineNo": 20000,
      "Type": 2,
      "No": "1900-S",
      "Quantity": 4,
      "UnitPrice": 192.8
    }
  ]
}
```


4.2.7 Additional Artefacts

The following artefacts are recommended to aid assurance activities:

- A comprehensive list of test scenarios and associated scripts.
- A list of any outstanding defects regardless of severity.
- Any supplementary information to support requirements where the preceding examples cannot be used and/or to aid information further detail such as:
    - Business Process Flows/Maps.
    - Captures and declarations of manual processes.
    - Architecture Diagrams and Design Documents excerpts.

4.2.8 Qualification Testing

The preceding evidence artefact examples should also be considered as part of submitting evidence during Qualification Testing via the Qualification Testing Framework (QTF) excluding test scenarios, test logs and scripts which are provided by the QTF itself.

5 Qualification Testing Entry (Assurance)

5.1 General Guidance

Participants should, prior to QT execution window of Qualification Testing in accordance with the dates set out out in the Qualification Approach and Plan [REF-01] :

- Review all entry criteria and be prepared to update the Non-SIT S&A Test Assurance Team during a dedicated Entry Gate call.
- Prepare any questions or concerns on test execution or general usage of the QTF at least one month prior to QT Execution.
- Ensure the Test Readiness Report [REF-04] is in line with the current status and clearly identifies any outstanding issues, blockers or tasks.
- Observe that a Test Readiness Report should be issued regardless of Test Entry Readiness.
- Be prepared to explain the Test Team structure, key points of contact and any relevant organisational details with the Test Assurance Analyst.
- Review all tests cases to be carried out in Qualification Testing.
- Declare readiness for usage of the QTF and ADO including review of training materials and confirmation of accounts.
- QT Evidence Capture Approach: See Section 6.3.

5.2 Final PIT Completion Report

As part of the QT Entry criteria, listed in QA&P Annex 2 section 10.6 [REF-10], the final PIT Test Completion Report must be submitted and assured by the Non-SIT S&A Test Assurance Team. The report must provide a summary of how testing completed, aligned with scope, exceptions noted and details of any work off plans agreed and tracked by the Non-SIT S&A Test Assurance Team and Code Bodies.

Submissions should use the Test Completion Report template and QT deliverables should be sent to MHHSQualification@elexon.co.uk in line with the schedule set out in Appendix C of the Qualification Approach and Plan [REF-01] and the test preparation POAPs on the Collaboration Base.

5.3 QT Readiness Report Submission

As part of the QT Entry criteria, listed in QA&P Annex 2 [REF-10]Non-SIT Supplier and Agent MHHS QT Test Approach and Plan section 10.4, the final QT Readiness Report must be submitted for review and approval. Submissions are to be submitted to MHHSQualification@elexon.co.uk in line with the schedule set out in Appendix C of the Qualification Approach and Plan [REF-01] and the test preparation POAPs on the Collaboration Base.

A Readiness Report template is available to the Participants as a self-declaration of its completion status in relation to the preparation activities. This will need to include any exceptions and work-off plans that have been agreed by Code Bodies and must be signed off by a senior stakeholder within the Non-SIT S&A QT Participant’s organisation.

5.4 Agreeing Checkpoint Schedule

During each Qualification Wave, Non-SIT S&A QT Participants will be running migration, functional, non-functional (where appropriate) and operational test cases within the QTF, and raising defects for failed test cases in ADO.

Non-SIT S&A QT Participants will independently run test cases and record the outcome in QTF where Participant intervention is required. While Non-SIT S&A QT Participants are able to move at their own pace they will be expected to meet either their approved QT Test Plan or the Qualification Wave end date. The Non-SIT S&A Test

Assurance Team are required to keep the Code Bodies and Migration Control Centre up to date with progress against participants' QT test plans and Qualification Wave end dates.

To this end, the Non-SIT S&A Test Assurance Team will outline and agree with the Non-SIT S&A QT Participants a checkpoint schedule, whereby the Participant can inform the Non-SIT S&A Test Assurance Team of any risks or changes to the Participants QT Test Plan so these can be communicated to both the Code Bodies and the Migration Control Centre.

This will likely be in the form of a weekly or bi-weekly checkpoint call as necessary.

5.5 Testing Initiation

Non-SIT S&A QT Participants will be appointed a Non-SIT S&A Test Assurance Analyst for the duration of their Qualification. Participants will only be permitted to start their qualification testing when the Test Assurance Analyst has reviewed and ensured that QT Entry criteria has been met through an Entry Gate call, the QT Test Plan has been approved, and the assigned Qualification Wave window has started.

5.6 Queries and Escalations

General queries can be made to the appointed Non-SIT S&A Test Assurance Analyst as required via the MHHS private Teams channel. Queries can also be reserved for scheduled calls or via requested bilateral call if the query is urgent.

All escalations should be made via MHHSQualification@elexon.co.uk if not resolvable through the forementioned contact methods.

5.7 Preparing for the Qualification Testing Framework

Please refer to the Non-SIT S&A Qualification Testing Framework Onboarding Guide [REF-12]

5.8 Assurance Checks and QTC sign-off

On completion of testing, and once the test evidence has been attached in the QTF, the Non-SIT S&A Participant must Submit the test cases for assessment via the QP Dashboard in the QTF. On confirmation of submission for assessment, the Non-SIT S&A Participant will not be able to run further tests, nor upload further evidence and the Qualifying Status on the QP Dashboard will show 'Assessing'.

The Non-SIT S&A Test Assurance Team will review the completed Test Cases. The test case result and attached evidence will be reviewed and questions may be asked to the Non-SIT S&A Participants as part of the assessment. The Non-SIT S&A QT Non-SIT S&A Test Assurance Team will then mark the Test Case as 'Assessment - Passed' or 'Assessment – Failed' in the QTF. The result of Assurance will be visible to the Participants & the QT Test Team in the QTF, by way of a flag on the Test Set.

On completion of the assessment, the Non-SIT S&A Test Assurance Team can either:

- Revert the Test Set back to the Participant which allows the addition of further evidence and/or additional test runs to be executed, or
- mark the Participant as Completed.

The Qualifying Status within the QTF on the QP Dashboard will show as 'In Progress' or 'Completed' respectively. If marked as Completed, the Code Bodies will be notified by the Non-SIT S&A Test Assurance Analyst that the Test Set is ready for review and approval.

5.9 QT Readiness Report Submission

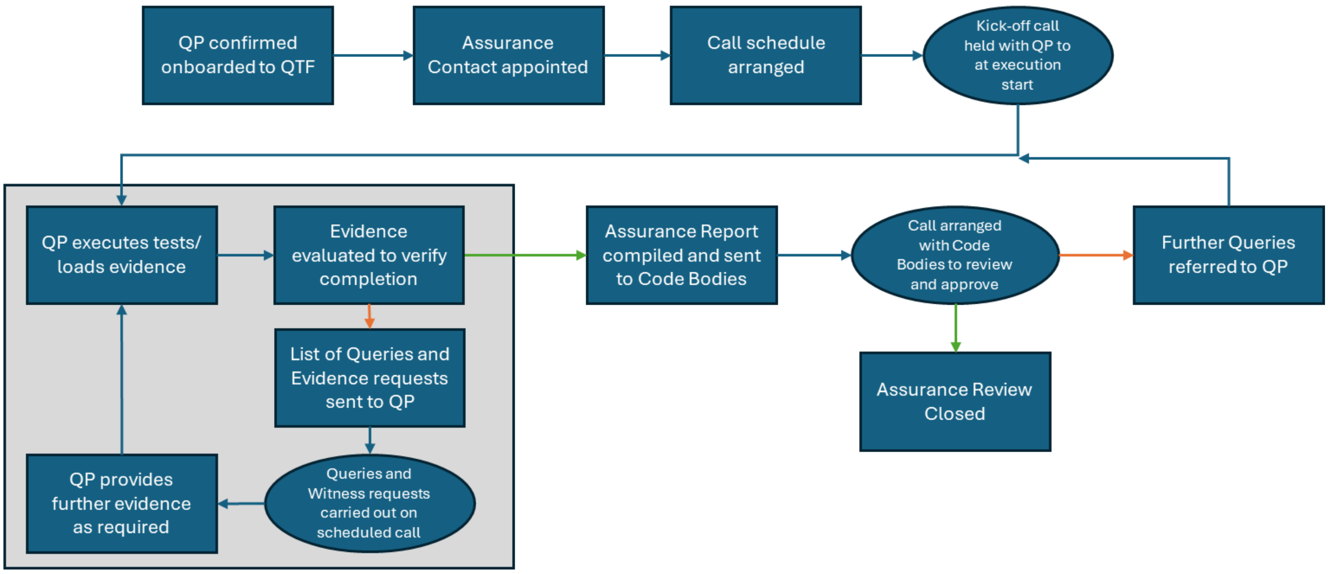
As part of the QT Exit criteria, listed in QA&P Annex 2 [REF-10] section 10.4, the final QT Completion Report must be submitted for review and approval. Submissions are to be submitted to MHHSQualification@elexon.co.uk in line with the schedule set out in Appendix C of the Qualification Approach and Plan [REF-01].

A QT Test Completion Report template [REF-08] is available to the Participants as a self-declaration of its completion status in relation to the QT activities. This will need to include any exceptions and work-off plans that have been agreed by Code Bodies and must be signed off by a senior stakeholder within the Non-SIT S&A QT Participant's organisation.

6 QT Assurance and Defect Management Process

6.1 Assurance Process Overview

Assurance Flow (QT)



A call schedule will be agreed with the Participant and the Non-SIT S&A Test Assurance Team to accommodate any bi-lateral queries or concerns raised during the qualification testing process.

Participants are encouraged to 'capture as you go' and upload evidence to the QTF as testing proceeds. It is acceptable and pragmatic to upload evidence for each test case once it has passed. Please refer to section 6.3 for specific guidance on evidence standards.

Once all tests are passed and evidence has been provided, Participants must submit the test set for final assurance. Throughout this testing process, the Non-SIT S&A Test Assurance Team may request further clarification or evidence on any test cases already passed to reduce the time required to complete assurance at the conclusion of Qualification Testing.

On completion of review by the Non-SIT S&A Test Assurance Team, an recommendation report (initially internal) will be referred to the Code Bodies for review and approval; at this stage, there may be further queries or evidence requests which shall be relayed to the Participant by the appointed Test Assurance Analyst. Upon satisfying all final queries and evidence requests, the Non-SIT S&A Test Assurance Team shall refer to the Code Bodies for final approval and the appointed Test Assurance Analyst shall inform the Participant in writing (email).

6.2 Missing or Insufficient Evidence

During review, if evidence is considered missing or insufficient, the appointed Test Assurance Analyst shall request further information and/or evidence from the Participant. If the Participant is unable to provide evidence in certain conditions, this must be first discussed with the Test Assurance Analyst and may be referred to the Code Bodies for further guidance.

If Participants have any concerns or queries about sharing evidence, Participants should contact MHHSQualification@elexon.co.uk to discuss their concerns with the Non-SIT S&A Test Assurance Team and the Code Bodies.

6.3 Evidence Requirement Specific to Qualification Testing (This section will be updated)

Note to Participants; The following does not apply to PIT and is explicit to Qualification Testing Only.

With the incorporation of the Qualification Testing Framework (QTF), the Code Bodies have provided the following guidance for evidence standards during Qualification Testing.

- CSS interfaces are not being tested as part of MHHS Qualification, so evidence capture is not required for any CSS-related process.
- All test steps for other roles (apart from the role tested by the Participant) within a test scenario are stubbed; stub evidence is automatically captured by the QTF and no action required from the Participant.
- Participants are required to provide evidence, for received steps, from end-point systems demonstrating that responses have been received and processed correctly, recorded and the end-point system appropriately updated.
- Participants are not required to provide end-point evidence for send steps as the resulting message received by the QTF will be validated by the QTF.

6.4 Defect Management

As documented in QA&P Annex 2 Non-SIT S&A Test Approach and Plan [REF-10], Non SIT-S&A QT Participants are expected to comply with the MHHS Defect Management Plan [REF-03].

All defects will be raised and managed within the ADO, this includes any defects raised against the Non-SIT S&A QT Participant's systems, test harnesses, test data, test data generation tools or environments. If a defect related to either system or environment is identified by a Non-SIT S&A QT Participant, it should be logged in the ADO in the first instance and assigned the correct priority and severity levels as per the guidance in the MHHS Defect Management Plan.

6.5 Initial Triage Process

6.5.1 Purpose

The purpose of this section is to establish a structured process for the initial triage of defects reported during Qualification Testing. This ensures timely assessment, classification, and assignment of defects for resolution.

6.5.2 Scope

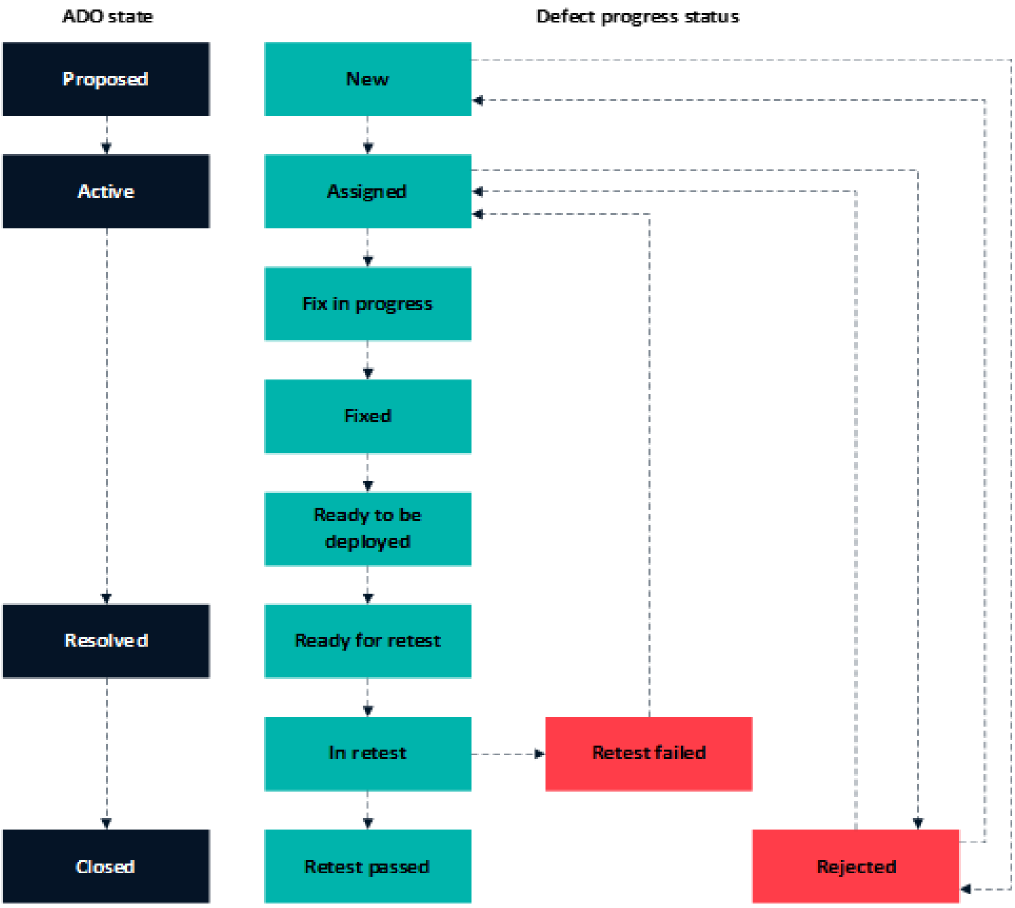
This process applies to all reported defects identified in QT Environment

6.5.3 Roles and responsibilities (Triage)

- Representation from Non-SIT S&A Test Assurance Team, QTF Team, SME, DIP Team and Code Bodies on request. This forms the QT Defects Team.
- Review and analyse the newly raised defects (along with Severity and Priority of the Defect) by different Test Participants and drive relevant actions.
- Analyse newly raised defects.
- Change the assigned Priority and Severity if required as a part of triage assessment.
- Involved in regular Defect Triage Meetings.

6.5.4 Triage Process Steps

Defect State Model in ADO



Step 1: Defect Logging:

- At the time of execution, if system or application behavior does not conform to the expected results of the Test Specification, this will result in a defect. This will be raised in the MHHS Test Management Tool (ADO) by the QP's for testing that interface, system or application. Capture detailed defect information, including:
  - Title and Description
  - Environment (UIT)
  - Steps to Reproduce
  - Expected vs. Actual Result
  - Payload files, Screenshots or Logs (if applicable)
  - Severity and Priority (initial assessment)

Further details on required defect information and fields to be completed are specified in section 7.2.5.

Step 2: Initial Review/Assessment-

- Initially, all the new defects are assigned to QT Defects Team. For the new defect, we have created "Proposed" state in ADO. Any defects with the ADO state "Proposed", the QT Defects Team will assess the defect against Defect Checklist (section 7.2.5) to ensure the information provided is clear and concise before the triage meeting.

Step 3 Internal Triage Meeting-

- The QT Defects Team will review all newly raised defects on a daily basis.
- The defect details will be reviewed and assessed in the triage meeting by the QT Defects Team and categorised into one of the following options: Rejected, Duplicate, Accepted.
- If incomplete information has been provided, the triage status will be set to '**More info required**'. The defect status will remain as '**New'** and ADO state as '**Proposed'**.
- If the defect is accepted by the QT Defects Team, the triage status will be set to '**Triaged'** and defect status will be set to '**Assigned'.**
- If the defect is classified as 'Internal', the defect will be assigned to an internal resolver group with the Participant notified in the defect comments and an anticipated resolution estimate provided as soon as possible.
- If the defect is classified as 'External', the defect will be assigned back to the Participant or TOBO primary contact for resolution within the Participant qualification testing environment(s). Participants are requested to provide estimated resolution dates as soon as possible.
- If the issue is considered to be cross-Participant impacting, where other Participants in the Wave may also experience similar issues, a Wave-wide notification will be issued via MHHS Microsoft Teams.

Step 4: Defect Review Meeting with Participants

- A regular defect review call will be held between each Participant and the Test Assurance Analyst and support by the Non-SIT S&A Test Manager to:
  - Review defects ordered by Priority and Severity.
  - Review defect progression.
  - Review any outstanding/pending actions.
  - To ensure any blockers to test progress or factors affecting testing are in hand or have been escalated.
  - Communicate any information or updates which may impact other participants (this may affect defect attributes such as Priority & Severity)

- **Frequency:** To be arranged on a Participant by Participant basis.
- **Parties Involved**- Participant(s), Non-SIT S&A Test Assurance Team, SMEs & DIP (where required), Supporting Service Providers (e.g. DCP or TOBO partners).

Step 5: Defect Resolution

On the resolution of a defect, a categorization of the root cause will be added by the Resolver Group, for example Code, Configuration or Environment. This will be validated by the QT Defects Team and will be used for reporting purposes.

For all defects, the Resolver Group will be expected to provide the following details to meet the closure criteria and to allow the defect to be closed:

- Detailed Root Cause - Details are added in the comments section of the defect to elaborate on the 'category' of root cause selected.
- Resolution action taken to fix the defect will also be added in the 'Resolution' free text box.
- Preventative action – Add details of any preventative action taken going forward (where appropriate) to help ensure the defect will not re-present. This can be added to the defect comments.

Step 6: Verification and Closure

- Confirm Defect resolution with the reporter.
- Update defect status in ADO to "Closed" if resolved or "Reopened" if further issues exist.

6.5.5 Tools and Systems

- **Defect Tracking System** - ADO will be used as the Defect Management tool. This will be used to raise and manage Defects that have been identified during the various Test Phases. Defects raised in ADO will be referenced to failed test executions. Each participant will have a separate designated project for each MPID/Role undergoing qualification. Participants are expected to raise defects in their designated project(s) as required. Participants should feel assured that all designated projects are strictly permissioned to ensure that only the Participant, designated TOBO partners, QT Defects Team and Code Bodies are able to report, review and action defects.

6.5.6 Continuous Improvement / Lessons Learned / Feedback

- **Clear Communication Avoids Delays**
  - Detailed defect reports with proper evidence (screenshots, logs) reduce back-and-forth discussions.
- **Client Collaboration Enhances Quality**
  - Regular Participants feedback help align expectations and improve defect resolution.
- **Root Cause Analysis Prevents Recurrence**
  - Analyzing repeated defects helps refine development practices and improve system stability.
- **Well-Defined Defect Resolution Estimates**
  - Clear estimates for defect resolution timeframes set expectations and improve accountability

By following these rules, the defect management lifecycle becomes more efficient, ensuring timely defect resolution and improved software quality.

6.6 Reporting Defects

6.6.1 Guidance on raising Testing Defect when an expected message has not been received

Guidance for DCPs and Participants connecting directly to the DIP

Who should raise the defect when a message has not been received?

General Principles

- The DIP Team is aware that there are differing commercial arrangements between Participants and their adaptor providers. It remains the responsibility of the Participants to confirm a positive receipt HTTP 201,207 or rejection of a message HTTP 400 by the DIP even if this if via an adaptor provider.
- Participants are responsible for providing evidence that the message has been received by the DIP including checking with their adaptor service provider.
- Participants should have robust operational processes in place to monitor and satisfy themselves this is the case.

Guidance

When an expected message has not been received by the Participant, the following actions should be undertaken:

1. The **Qualifying Participant** should check their DIP webhook configuration or if applicable check with their adaptor provider to see if they have any issues preventing receipt of the message.
2. The **Qualifying Participant** should use the **DIP Message Tracker** using the test MPAN to see if the message entered the DIP. If the message can be seen in the DIP, a defect should be raised by the Participant (including a screenshot attached to the defect to show message has been received/processed by the DIP).
3. If no MPAN reference is found the **Receiving Participant** should get confirmation from the **QTF** that they have positive confirmation that their message was sent and received by the DIP.
4. If the QTF verifies that a message was sent to the DIP, the Participant should liaise with their assigned Test Assurance Analyst to raise a defect for triage with the Non-SIT- S&A QT Defects Team

Use of the DIP Message Tracker

A message tracking tool is available via the DIP portal, https://portal.uit.energydataintegrationplatform.co.uk/

Correct use of Response Codes

In SIT, there have been observed instances where participants are not providing the correct acceptance / rejection response codes for messages. This caused issues for Participants when validating responses to messages.

6.6.2 Guidance on IF/PUB messages that have been failed/rejected by recipients

During SIT functional testing, it was observed that there have been an increasing number of defects raised by Participants relating to IF/PUB messages that have been failed/rejected by Recipients with associated standard 'Error Codes' being reported, the test step being marked as Failed and test defects being raised in ADO awaiting investigation / further action before testing can continue.

The creation and sending of these standard 'Error Codes' within DIP messages is part of the MHHS Design and as such they are all listed within the MHHSP - DES138 Interface Catalogue [REF-11]. (see Additional Supporting Information section below). These are generated when validation failures occur during message processing.

These Error Codes are usually generated and sent when they relate to either,

- incorrect messages being formed and sent
- errors exist within the data included within messages and sent between participants or
- errors created when comparing the data contained within messages and other reference data held within Participants systems

Where these exceptions / error codes are generated then these require investigation by the Participant to determine the correct resolution and allow the continuation of the business process and complete the testing activity.

The Code Bodies would like to encourage Participants to,

1. Whenever an 'Error Code' is observed then each participant impacted should note this and carry out initial checks / investigations based on the standard error code reported prior to a test defect being raised as part of test management process in ADO.

2. Attempt to resolve these exceptions and complete the test without the need for a test defect to be raised (wherever possible to do so). Please ensure that any relevant third-party service providers are included in the investigation prior to contacting the Non-SIT S&A Team (Test Assurance Analyst).

3. Where these initial checks / investigations are not sufficient to resolve the exception, the exceptions identified can be discussed with theParticipant's Test Assurance Analyst to raise a defect for triage with the Non-SIT S&A QT Defects Teamand assessed to determine if the defect is attributed to the appropriate resolver group or otherwise referred back to the Participant for resolution.

Note - These are the same set of Error Codes that will be used post Go-live and so the familiarisation with and resolution of these standard exception error codes will be required for live service operation.

Where either a reason for the exception cannot be identified, the issue cannot be resolved by the Participant or the Participant disagree on the reason for failure and correct resolution then a defect raised by the Participant and will be triaged by the Non-SIT S&A QT Defects Team, referencing the conversations / investigation activity results that have occurred between the QTF, DIP, DTN and the Participant, providing all relevant evidence.

Subject to 2nd level triage, the Non-SIT S&A QT Defects Team will do one of the following:

- Confirm that the defect is 'internal' to the QTF and the DIP and therefore requires resolution with either the DIP or QTF Team
- Confirm that the defect is NOT 'internal' and refer to the Participant and the DCP (if applicable).

Additional Supporting Information

The ***MHHSP - DES138 Interface Catalogue*** contains a set of standards ‘Error Codes’ within the “00-introduction” tab that may be included within messages sent between Participants where exceptions are raised during processing.

These standard set of ‘Error Codes’ have been defined based on the validation routines that exist within each of the relevant Central Party Systems and the associated description text provides guidance to where the error/exception exists against the original message sent. These are provided as part of the MHHS Design so that senders and recipients can determine the nature of any exceptions raised and the descriptions support further investigation and resolution by Participants.

There are 4 main sets of standards ‘Error Codes’ that may be seen by Participants.

- **Level 4 - Recipient 'Asynchronous' Errors ~ Returned using the MsgStatus Transaction**
    - All starting with ‘**RCP’** followed by a specific number. Format RCPxxxx
    - E.g. *RCP0001 Schema Failure*
- **Level 5 or 6 – Business Process Validation / 3rd Party Request Outcomes - returned to Sender using a Defined IF/PUB Message**
    - **Complete List of Registration Error Codes**
    - All starting with ‘**REG’** followed by a specific number. Format REGxxxx
    - E.g. *REG0001 - Data Block 'Removed Meter' cannot be used with Event [MeterInstall]*
- **Complete List of ECS (MDS) Error Codes**
    - All starting with ‘**ECS**’ followed by a specific number. Format ECSxxxx
    - E.g. *ECS1001 - Data Service Not Appointed for Date of SP Submission*
- **Complete List of Service Provider Appointment Response Codes**
    - All starting with either ‘**SP**‘ or ‘**DS**’ followed by a specific number*. Format SPxxxx or DSxxxx*
    - 'SP' codes apply to all Service Providers. 'DS' codes apply only to Data Service Providers
    - *E.g. SP001 - No Contract(s) exist for Supplier*

The text associated with each Error Code provides a description of the error that has been reported and should be used by Participants as the starting point for investigation and resolution by the receiving party.

These generally imply that there is a potential issue with the original message sent and that the Participant has created an error Code response to resolve with the Non-SIT QT Defects Team.

6.6.3 Reporting Defects within the QTF/UIT

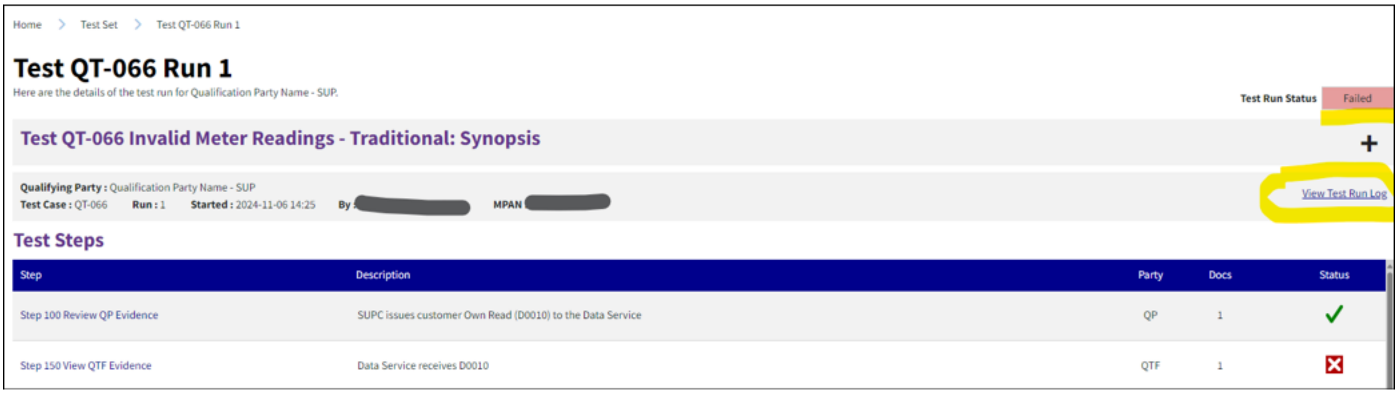
Qualification parties (QP) should raise/report a defect/bug using data from a failed test run in QTF by following the steps shown below.

It is a two-step process:

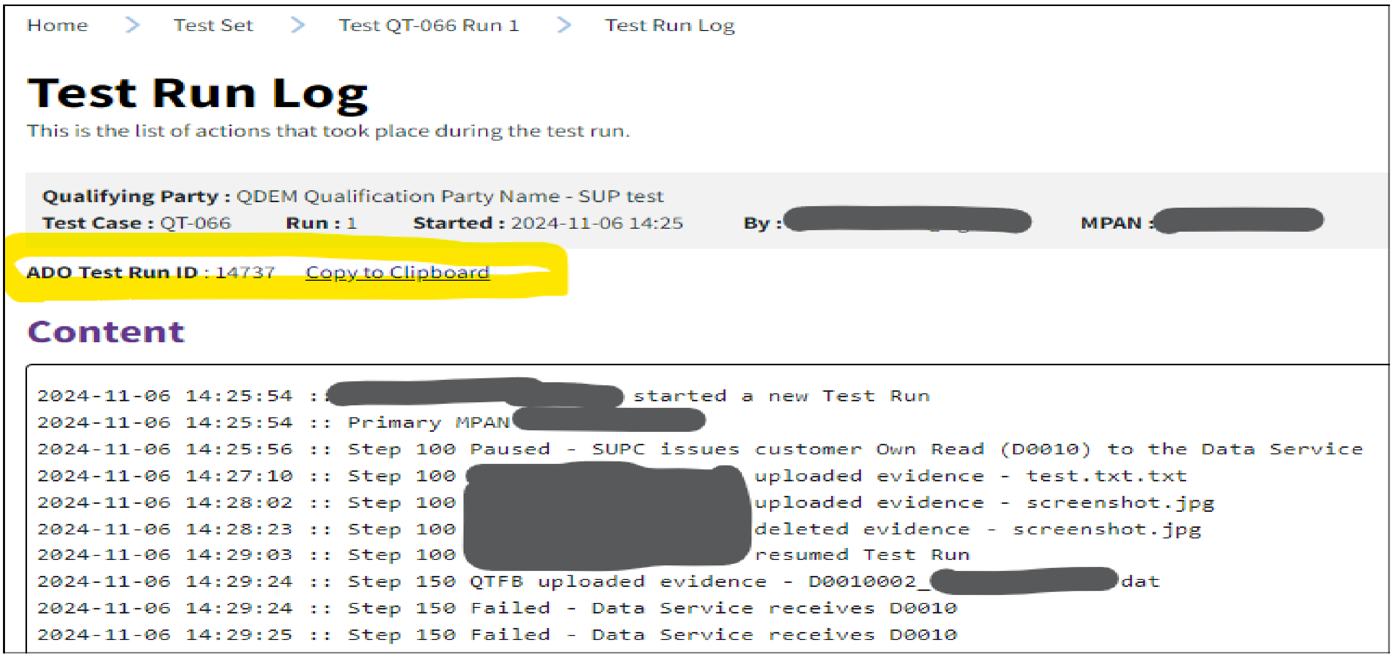
Step 1. Login to QTF to get failed test run details, mainly the "ADO Test Run ID".

- Login to QTF as a QP user and click on Test Set > Failed Test Run (example QT-066)

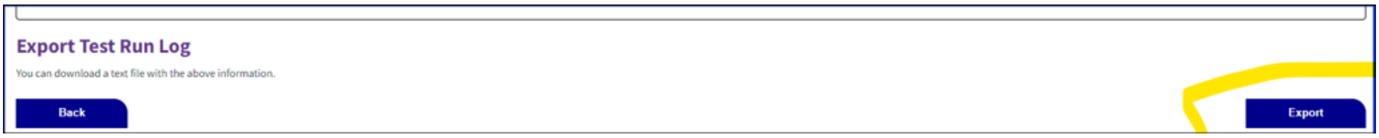
- Click on the failed test (QT-066) and then click on "View Test Run Log" (symbolic link)

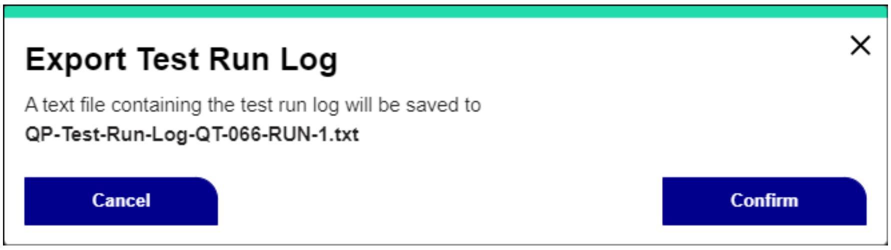


- On the “Test Run Log” page copy the “ADO Test Run ID” by clicking on the “Copy to Clipboard” (symbolic link) (Note: “ADO Test Run ID” will be used to search for the test run in ADO Test Plan “Runs” mentioned under Step 2).

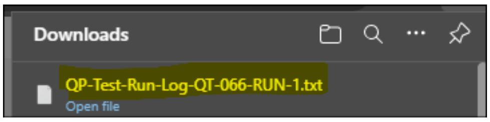


- On the same “Test Run Log" page scroll down to find “Export” button on right down corner to download and save the test run log (refer the screenshots below).





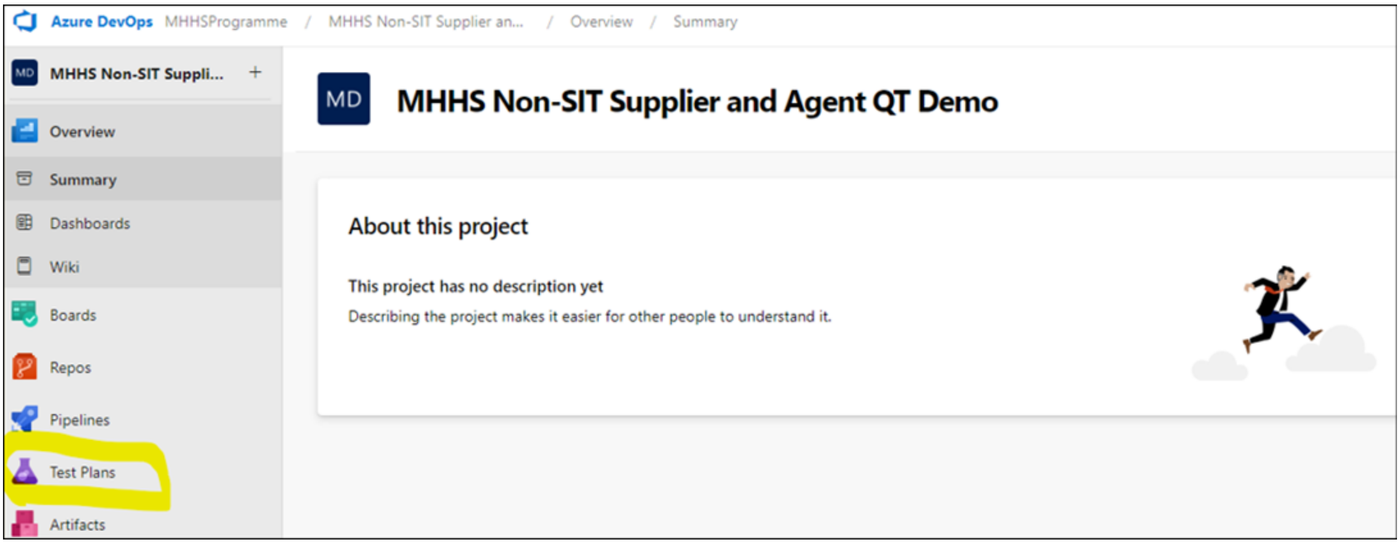
Note: This run log information will be attached to the bug which will be created in ADO (Step 2).

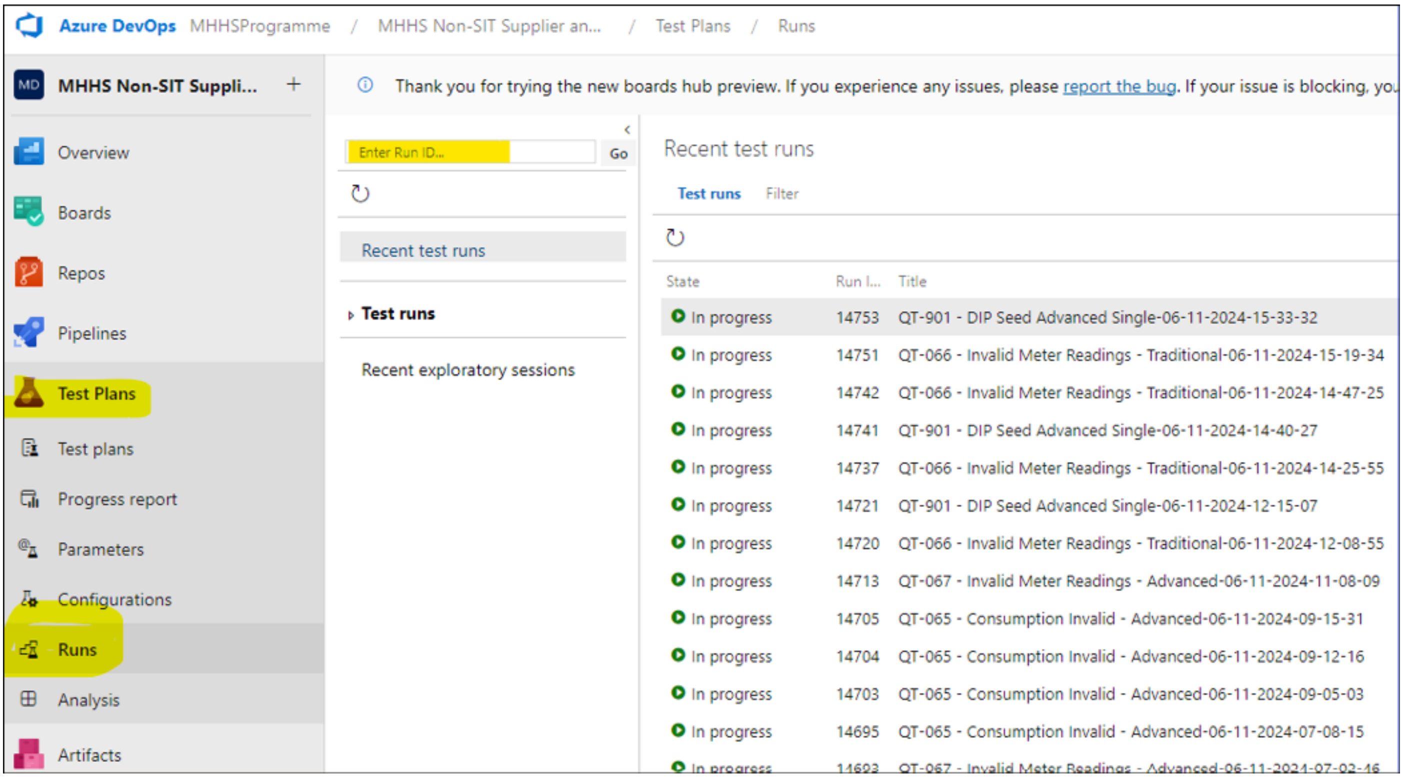


Step 2. Login to ADO and create a defect/bug.

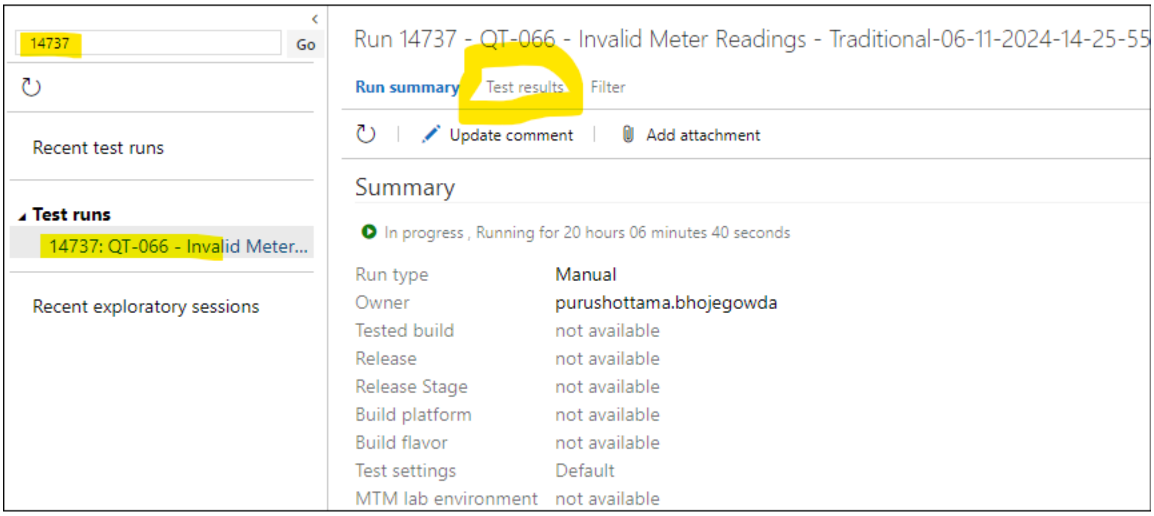
- **L**ogin to ADO and search for the "ADO Test Run ID" under Test Plans "Runs" as shown in the screenshots and create a new bug. Refer section 7.2.5 to fill in the mandatory fields for creating a bug/defect.
- Click on "**Test Plans**"

- Under "**Test Plans**" click on "**Runs**"

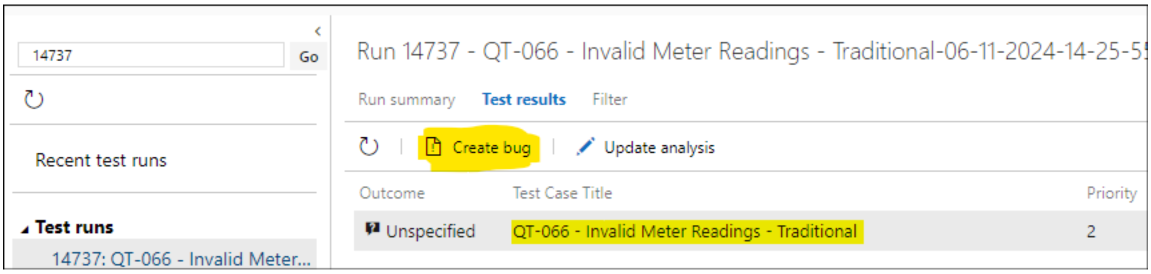




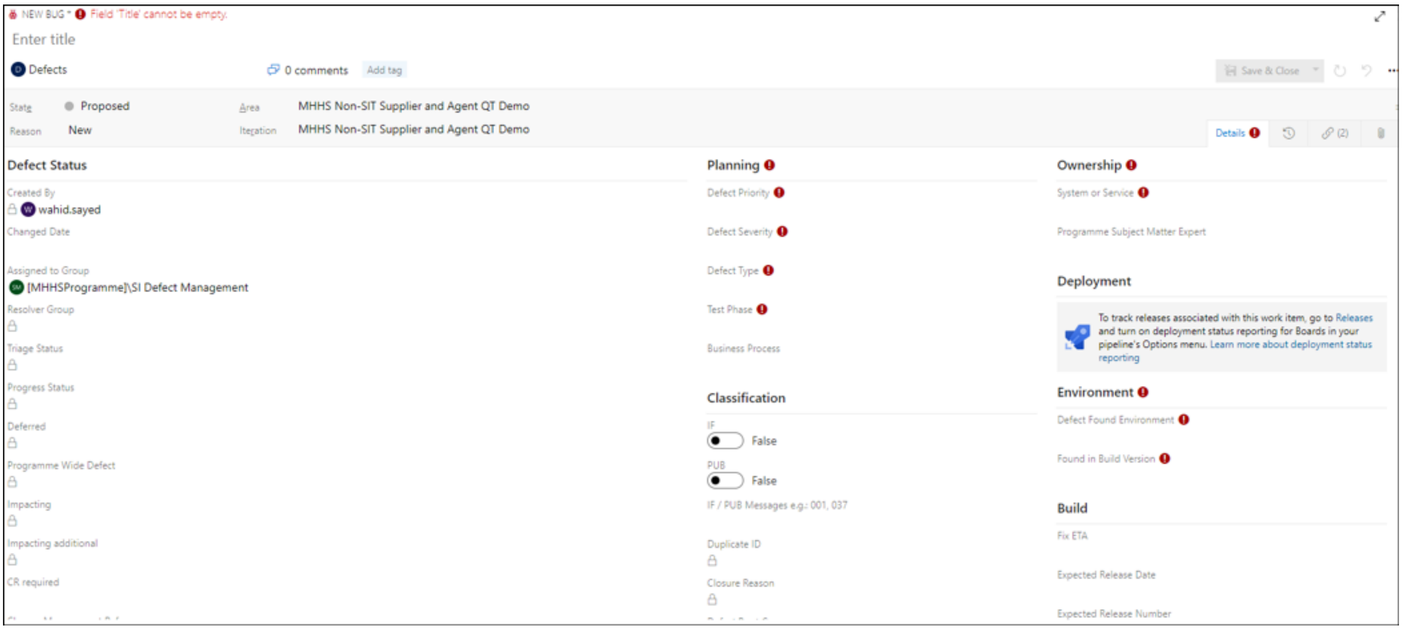
- Search the "**ADO Test Run ID**" and click on "**Test results**" highlighted in screenshots below.



- Under "Test results" click on "**Create bug**" and follow the instructions provided in section 7.2.5



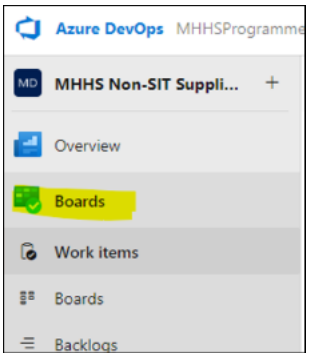
The red circle with exclamation symbol is default mandatory fields for a new bug in ADO. Please refer section 7.2.5 for more information on how to update the mandatory fields. Bug raised from run results is linked to the "test case" and "test run" automatically as shown in the screenshots.

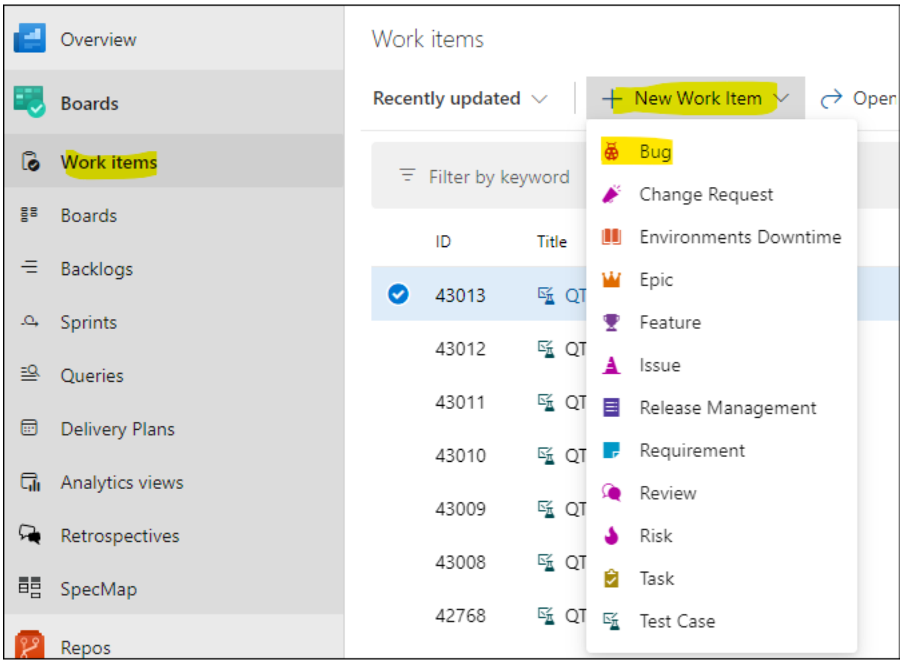


6.6.4 Reporting external Defects (Participant or Provider Systems)

Participants or Provider systems can raise a standalone defect/bug in ADO, this may or may not have a test case associated to it in QTF or ADO. Examples: Environment issue, third party system issue, unavailability of services etc.

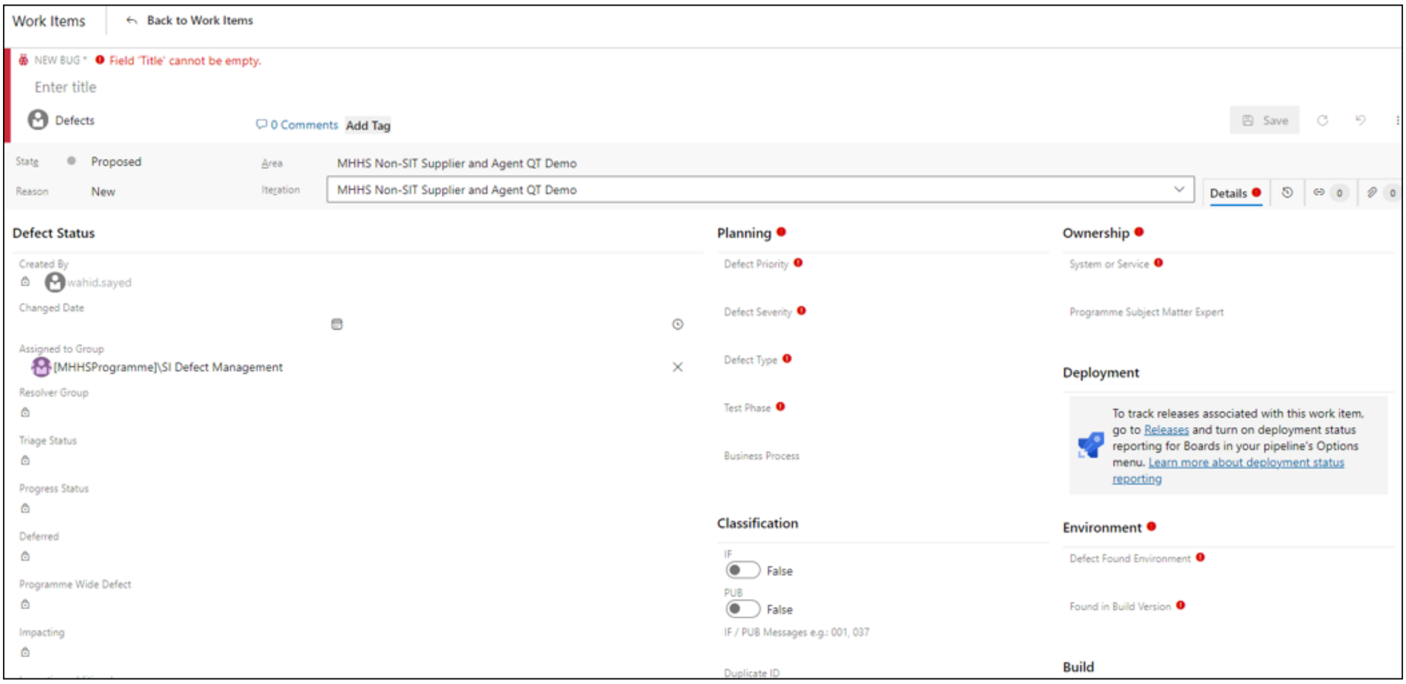
- Login to ADO and click on “Boards” to view list of “work items” and create new work items (“Bug”) as shown in the screenshot below:





A new work item (new bug) page will be displayed with the following mandatory fields (as shown in the screenshots)

The red circle with exclamation symbol is default mandatory field a new bug in ADO. These are minimum fields to fill in for creating a new Bug (sample screenshot below)



6.6.5 Defect Checklist

All defects must be raised from the execution of a Test Case. This will ensure that the test steps are populated in the defect template correctly. The information provided needs to be detailed enough so that anyone attempting to reproduce the problem does not face issues. Upon allocation of the defect, the assignee is notified via email, and the defect is specifically allocated to them within ADO. The following details indicate which fields are mandatory and which are optional when raising a new defect in ADO.

- **Title (Mandatory)** – enter a concise summary of the issue that is meaningful and includes key words making it easily identifiable when read in list format.
- **Owner** – a new defect will always be assigned to the QT Defect Manager for triage.
- **State** – the four main states that are defined for the Defect Management process, that describe a defects progression. When a new defect is raised, this will be set to 'Proposed'.
- **Description** (Mandatory) – enter a description of the Defect so that it is clear what is being addressed or requested. It should include the following information:
    - Pre-Requisites
    - Data (unless added as an attachment)
- **Repro Steps** – steps to reproduce the issue found, including expected and actual results. This information will be taken from the Test Case being ran when the defect is raised.
- **Defect Priority (Mandatory)** – choose a Priority for the issue, based on the defined Priority levels.
- **Defect Severity (Mandatory)** – choose a Severity for the defect, based on the defined Severity levels.
- **Participant Name (Mandatory)** – This captures the individual Participant within their respective Cohort who raises the new defect.
- **Test Phase (Mandatory)** – choose the relevant test phase e.g. UIT
- **Environment (Mandatory)** - Enter the environment the defect was found in. LDSO's will be aware of the test environment applicable before each test phase to reference this correctly.
- **Triage Status** – will be used by the LDSO QT Defect Manager to determine the status of triage. When a new defect is raised this will be set to 'Pending'.
- **Progress Status** – Provides the programme with clarity on the defects current progress. When a new defect is raised this will be set to 'New'.
- **Defect Type – (Mandatory)** to be completed at the time a defect is raised, where possible. This will be reviewed during triage and before Defect Closure.
- **Attachment – (Mandatory)** - attach any relevant documents in support of the defect including the exported QTF Test Run Log. (For example, payloads, transactional messages received, screenshots, log files, test data for a Defect). These attachments must comply with GDPR and any other relevant security requirements

6.6.6 Fill in Bug details

Title: If associated with a QTC in the QTF, add the QTC number and a description of message.
Example **"**QT-066 Cannot upload evidence file"

Assigned To Group: This field is automatically populated. If not, assign the bug to the appropriate "group" by using "Assign people**"** field as shown in the screenshots.

Assigned to Group
Assign people

Assigned to Group
[MHHSProgramme]\SI Defect Management

Area Path and Iteration Path: This field is automatically populated. If not, use the drop-down arrow to find the relevant project "Area" and "Iteration" folders.

Area	MHHS Non-SIT Supplier and Agent QT Demo
Iteration	MHHS Non-SIT Supplier and Agent QT Demo

Description: Provide all possible information about the test case defect conditions, like QP name, user role, test scenario, test data used etc. please use information from "QP-Test-Run-Log-QT-066-RUN-1" text file which is downloaded from QTF in section 7.6.1 Step 1.

Description

Test Case: QT-066
Test Description: Invalid Meter Readings - Traditional
Synopsis: Test Case: QT-066 Invalid Meter Readings - Traditional
Scenario: Invalid Consumption Data
Test Data Requirements: Traditional Single MPAN, Customer Own Read received (as per DES138 data specification) where the D0010 Meter Readings are invalid
Meter Type: Traditional Meter
MPAN Type: Single
Supplier Proposed Consent Granularity: N
Supplier Proposed Domestic Premise Indicator: true
Effective Time: Same Day
Run Number:

QP name - QDEM
Role - Supplier
"Step 150" has failed due to issue in upload file evidence.
please see "Repro Steps" field and attachments/screenshots for more information.

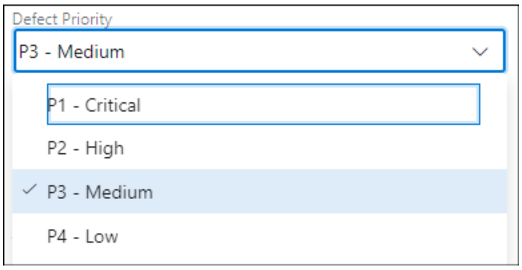
Repro Steps: Provide detailed steps to reproduce the bug. How to see the bug. End by contrasting expected with actual behaviour.

Repro Steps

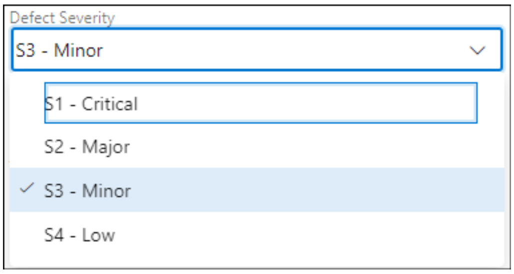
1.Login as QP QDEM User
2.Click on Test Set
3.Goto Test Case: QT-066 Invalid Meter Readings - Traditional
4.Click on "Start New Run" and monitor step 150 to observe the error.
Expected result - QTFB should upload a valid D0010002_9600000000000.dat file evidence successfully.
Actual result: File uploaded by QTFB is failed and has no content.

Log Content:
2024-11-06 14:25:54 :: dw@cgi.com started a new Test Run
2024-11-06 14:25:54 :: Primary MPAN 9600000000000
2024-11-06 14:25:56 :: Step 100 Paused - SUPC issues customer Own Read (D0010) to the Data Service
2024-11-06 14:27:10 :: Step 100 dw@cgi.com uploaded evidence - test.txt.txt
2024-11-06 14:28:02 :: Step 100 dw@cgi.com uploaded evidence - screenshot.jpg
2024-11-06 14:28:23 :: Step 100 dw@cgi.com deleted evidence - screenshot.jpg
2024-11-06 14:29:03 :: Step 100 dw@cgi.com resumed Test Run
2024-11-06 14:29:24 :: Step 150 QTFB uploaded evidence - D0010002_9600000000000.dat
2024-11-06 14:29:24 :: Step 150 Failed - Data Service receives D0010
2024-11-06 14:29:25 :: Step 150 Failed - Data Service receives D0010

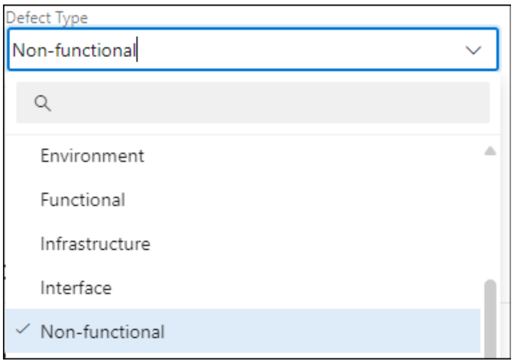
Priority: Priority is Business importance of fixing the defect.



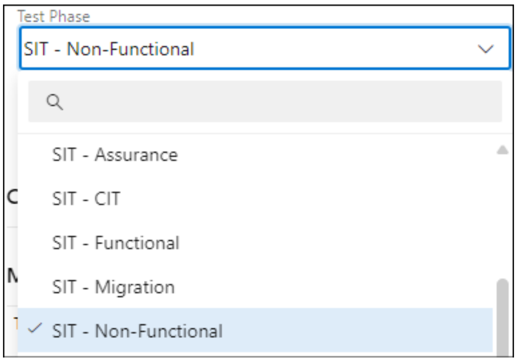
Severity: Severity is assessment of the effect of the bug on the project/test phase.



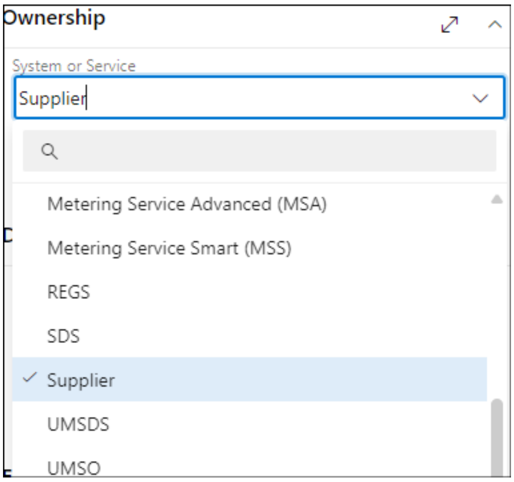
Defect Type: This field represents the type of test area of bug. Example: functional, non-functional, SIT.



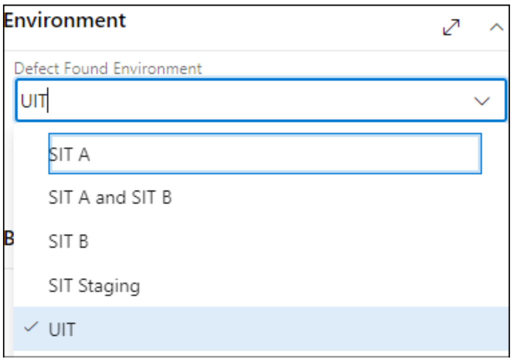
Test Phase: This field represents area of testing where the bug is observed.
Example: SIT-Functional, SIT-Non-Functional etc.



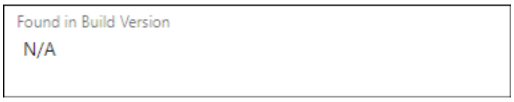
Ownership – System or Service: This field represents the system or service which is associated with the failed test scenario.



Environment: Environment in which the bug is observed.



Found in Build Version: This field provides information of build version of the software or application. It may or may not be applicable to the bug.



Attachments: Click on the “Attachments” tab and then click “Add attachment” button. Attach the exported Test Run Log from the QTF