

## Operations Division

# PR-EA-010 Planned and Urgent Asset Testing

This Procedure is part of the Engineering Assessment (EA) process within Transpower and forms part of the System Operator function. The document can be found in the [Operational Documentation Library](#)

Document Status: **Issued**

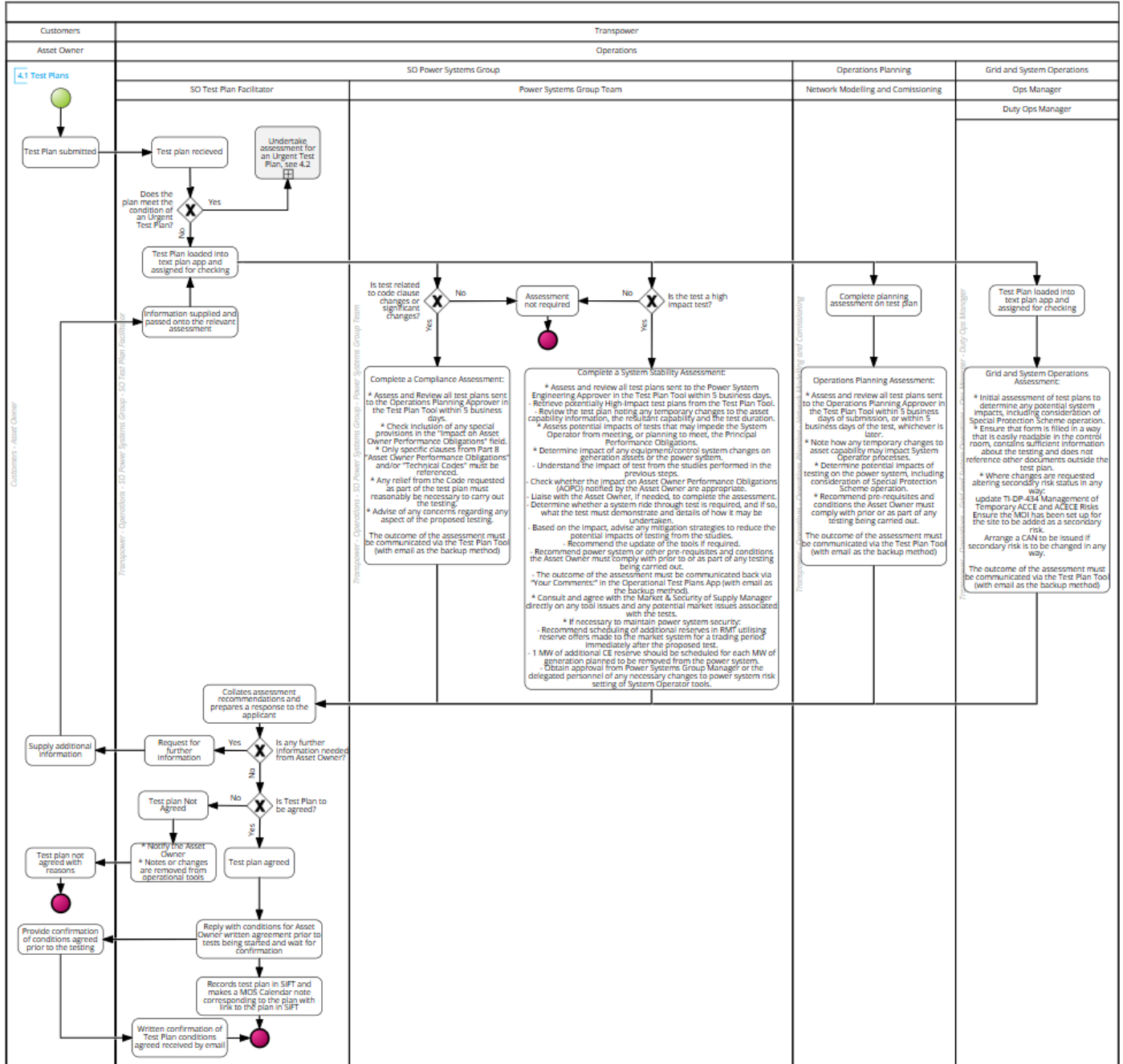
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### Table of Contents

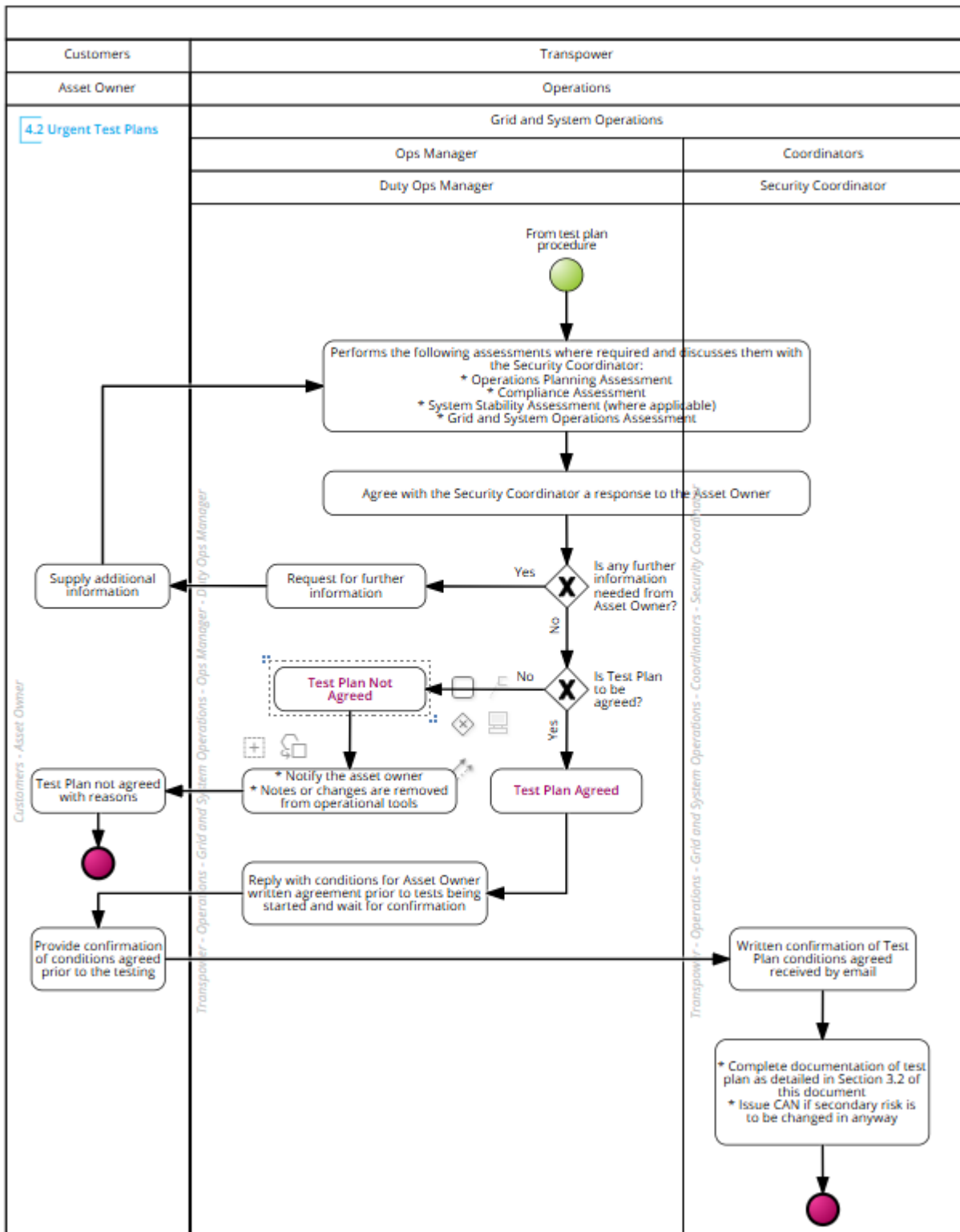
<b>1</b>	<b>Procedure Summary Diagram.....</b>	<b>2</b>
1.1	Test plans.....	2
1.2	Urgent test plans.....	3
<b>2</b>	<b>Purpose.....</b>	<b>4</b>
<b>3</b>	<b>Procedures.....</b>	<b>5</b>
3.1	Introduction.....	5
3.2	Roles & Responsibilities Matrix (for Internal Transpower Teams) .....	7
3.3	Roles and Responsibilities – Test Plans.....	8
3.4	Roles and Responsibilities – Urgent Test Plans .....	13
<b>4</b>	<b>Procedures.....</b>	<b>15</b>
4.1	Test Plans – To be reviewed/completed.....	15
4.2	Urgent Test Plans.....	16
<b>5</b>	<b>Appendix .....</b>	<b>17</b>
5.1	Agreed distributor demand thresholds .....	17
5.2	Test Plan Email Template & Distribution .....	17
<b>6</b>	<b>Document Information.....</b>	<b>18</b>
6.1	Copyright Information .....	18
6.2	Document Feedback.....	18
6.3	Revision History.....	18
6.4	Metadata.....	19

# 1 Procedure Summary Diagram

## 1.1 Test plans



## 1.2 Urgent test plans





## 2 Purpose

**Purpose and Objectives**

This process describes how Asset Owner Test Plans (test plans) are managed within the System Operator once received, resulting in test plans being agreed or rejected.

**Policy**

Test plans can only be agreed where the System Operator can plan to meet, and meet the System Operator Principal Performance Obligations before, during, and after completion of the tests.

**External Policy/ Rules & Regulations**

Clauses 2(6), 2(8), and 2(9) of Part 8 Schedule 8.3 Technical Code A.  
Test plans must be prepared by an Asset Owner in consultation with the System Operator.

**Related Internal Policies, Processes and Procedures**

The System Operator operational procedures are now located in the Volt DM SharePoint online.

**Operational Documentation (Published)**

- [FM-EA-010 Test Plan](#) (template)
- [PR-DP-087 Managing Notification of Unplanned Asset Capability Changes](#) (including ROT)
- [FM-EA-011 Urgent Asset Capability Change Notice](#)
- [PR-DP-500 Testing Single Frequency Keeping](#)
- [FM-EA-502 Test Plan Single Frequency Keeping](#) (template)

**Definitions**

Descriptions of acronyms and non-standard or uncommon words specific to this document.

Definition	Description
Asset Owner	Has the meaning ascribed to those words in the Code
Code	Electricity Industry Participation Code
High Impact Test Plan	A test that either: <ul style="list-style-type: none"> <li>▪ Puts at risk 60 MW of generation or load</li> <li>▪ Is performing high MVAR load rejection or terminal voltage step response tests (MVAR &gt; 30% of MCO).</li> <li>▪ Is related to HVDC or reactive plant.</li> </ul>
Test plan	A documented plan for a test required to be completed beyond 2 business days of receipt of the test plan by the System Operator. This documented plan is for planned asset testing which has a submission requirement of minimum 15 business days prior to the proposed test date.
Urgent test plan	A documented plan for a test required to be completed within 2 business days of receipt of the test plan by the System Operator. This document plan is for unplanned asset testing only.

**Useful References**

The Test Plan form FM-EA-010 is available for Asset Owners to download from: <https://www.transpower.co.nz/system-operator/information-industry/asset-owner-requirements/asset-test-planning> page on the Transpower website.

**Distributor Demand Thresholds**

There are "Agreed Distributor Demand" thresholds in Section 5.1 for Vector, PowerCo, and Orion to be considered when assessing Distributor Test Plans.

**Notes**

Clause 13.82.2(i) of the Code allows an Asset Owner to deviate from dispatch if acting in accordance with a test plan and there are no other reasonable means of complying with the dispatch instruction whilst the test is being carried out.

**Exceptions**

Urgent changes to asset capability unrelated to a test plan should be dealt with by notifying the System Operator at [compliance@transpower.co.nz](mailto:compliance@transpower.co.nz) and [nmdata@transpower.co.nz](mailto:nmdata@transpower.co.nz) on an Urgent Change to Asset Capability Form ([FM-EA-011](#)).

**For testing of Single Frequency Keeping (SFK)**, a pre-approved test plan template can be used, the form FM-EA-502 is located on the [Transpower website](#) for Asset Owners to download. Refer to PR-DP-500 Testing Single Frequency Keeping for details on actioning the SFK Test Plan.

## 3 Procedures

### 3.1 Introduction

**Introduction**

Asset Owners who wish to perform system tests or tests to ascertain asset capability *must* submit a test plan to the System Operator which has the effect of requesting agreement to such test or tests. The template form, FM-EA-010 or FM-EA-502, available from the System Operator website, *must* be used.

Where the Asset Owner is unsure whether a proposed test may impact system security, they *must* contact the System Operator for advice.

A test plan may include advice of a temporary change in asset performance and/or capability which must only be applicable whilst the test is being carried out.

In addition to the test plan form, the Asset Owner may submit additional information to assist the System Operator to assess the impact of the proposed test.

**Typical Uses**

- **For Generators** – generator or synchronous condenser or inverter-based technology functional or operational control tests, frequency or voltage control system response tests, drop load tests (including that resulting from an on-load head-gate trip test).
- **For Grid Owners** – AC or HVDC functional or operational control tests, dynamic reactive compensation devices' automatic voltage regulator (AVR) response tests (such as a synchronous condenser or SVC), capacitor and reactor functional or operational control tests.
- **For Distributors** – load control functional or operational tests (including inverter-based technology) where the load change involved may, or will exceed that agreed with each distributor.

**Asset Owner Interactions**

For non-urgent Test Plans, the Asset Owner shall:

1. Submit completed test plans to [OperationalTestPlans@transpower.co.nz](mailto:OperationalTestPlans@transpower.co.nz)  
Test plans should include:
  - the Asset Owner's comment(s) on the impact of testing and any planned or possible interactions that may occur on any other assets or the power system
  - details of any mitigation strategies in place to limit the impact of testing
  - any information reasonably requested by the System Operator to assess the test plan fully
2. Once test plans have been assessed and any conditions have been notified, the Asset Owner must expressly acknowledge and agree to any such conditions imposed by the System Operator. The Asset Owner's agreement must be notified to the System Operator **in writing** (by email to [OperationalTestPlans@transpower.co.nz](mailto:OperationalTestPlans@transpower.co.nz)) before the plan is agreed and can be implemented.
3. If any intended change to the finalised test or tests are required and;
  - a. The test plan is either in progress or scheduled to start within 2 business days contact the Security Coordinator (and copy [OperationalTestPlans@transpower.co.nz](mailto:OperationalTestPlans@transpower.co.nz) on any email communications).
  - b. The test plan has not started and not due to start within 2 business days, email [OperationalTestPlans@transpower.co.nz](mailto:OperationalTestPlans@transpower.co.nz).

**Process Inputs**

- Initial test plan form received from an Asset Owner at least 15 business days prior to the proposed test date.
- Written confirmation of agreement required from the Asset Owner of any condition to be satisfied before the tests proceed.

**Process Outputs**

- Test plan conditions compiled and sent to Asset Owner for agreement.
- Test plan agreed or rejected.

**Checks**

- Prior to submitting a test plan to the System Operator for assessment, the Asset Owner must ensure the test plan form has been correctly completed.
- Once the System Operator's assessment of a test plan is complete, the Asset Owner must ensure any agreed changes and conditions have been inserted in the final version of the test plan form shared with the System Operator.

### 3.2 Roles & Responsibilities Matrix (for Internal Transpower Teams)

Activity	Test Plan Facilitator	NCC / Realtime Assessment		Operations Planning Assessment	Compliance Assessment	System Stability Assessment
		Duty Operations Manager	Security Coordinator / Security Support Coordinator	Network Modelling and Commissioning Engineer	Power Systems Engineer	Power Systems Engineer
Receive initial test plan submission from Asset Owner	✓					
Assessing any <b>Urgent Test Plans</b> that are emailed to <a href="mailto:NMdata@transpower.co.nz">NMdata@transpower.co.nz</a> or reassessing changes to existing test plans that are in progress or due to start within 2 business days			✓			
Upload the test plan into the Test Plan Tool	✓					
Assign assessment request to appropriate groups	✓					
Monitor the Test Plan Tool for any new plans requiring assessment		✓		✓	✓	✓
Assessment of test plans		✓	✓	✓	✓	✓
Liaise with Asset Owners for any additional information required for assessments to be completed	✓					
Finalise conditions and any test pre-requisites when all assessors have Approved the test plan	✓					
Save Test Plan in SiFT as pdf	✓					
Email the finalised test plan to Asset Owner	✓					
Email finalised Urgent Test Plan to Asset Owner			✓			
Enter finalised test plan details into the Market System Outage Schedule (MOS)	✓	—				
Where changes are requested altering secondary risk status in any way update the MOI and send CAN			✓			
Secure Asset Owner written agreement to conditions.	✓					
Manage any post-approval changes from Asset Owners to test plans	✓					

### 3.3 Roles and Responsibilities – Test Plans

**Applicability**

This section applies to tests intended to take place beyond two business days from when a test plan is submitted to the System Operator.

**Processing Time**

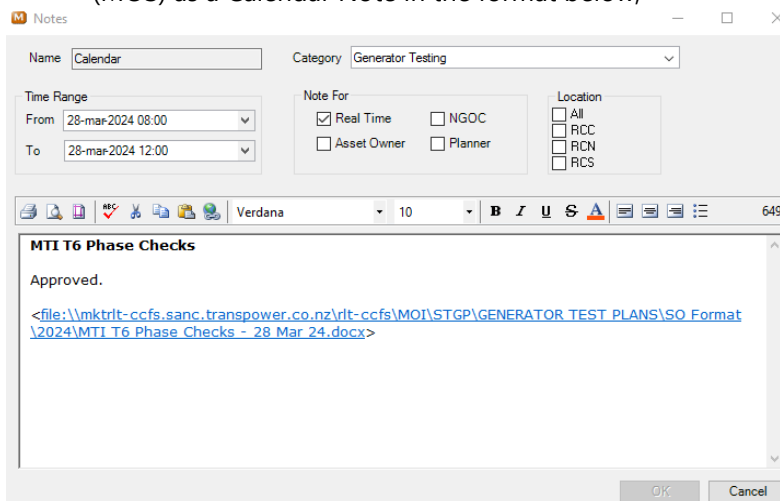
The System Operator will complete assessment of the submitted test plans within 15 business days of receipt from the Asset Owner provided all the required information is available.

**Test Plan Facilitation**

**Test Plan Facilitator**

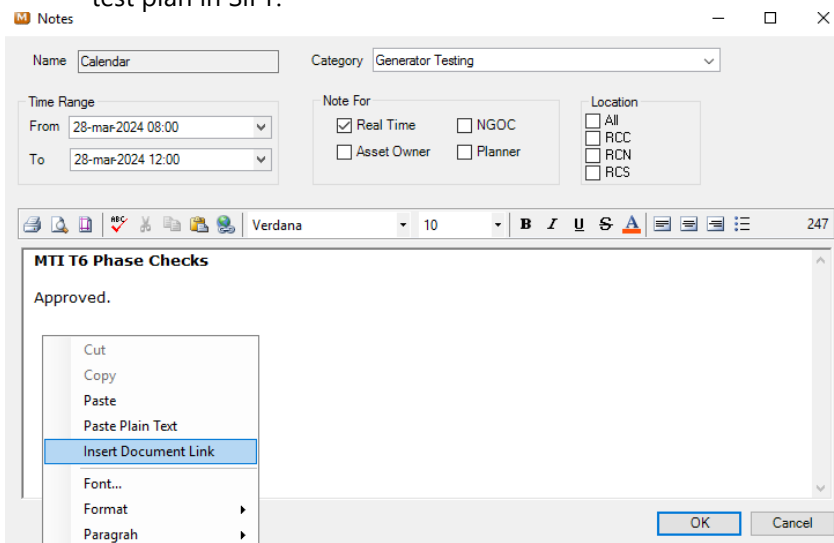
Responsibilities include:

- Decide whether or not to accept test plans within notice period given (15 business days for planned testing, 2 business days for unplanned/urgent testing).
- Upload the test plan into the test plan tool
- If there is an issue with the test plan tool, follow the same procedure but request and collate assessments via email rather than in the tool
- Assign assessment request to Operations Planning, Compliance and Operations Manager
- Assign an assessment request to Power Systems Engineering if the test meets the criteria for a High Impact Test (see definitions)
- Liaise with Asset Owners for any additional information required for assessments to be completed, based on comments/feedback from approvers
- Finalise conditions and any test pre-requisites for power system conditions and/or system tools for Asset Owner agreement when all assessors have Approved the test plan.
- Save Test Plan in SiFT as pdf (N:\STGP\GENERATOR TEST PLANS\SO Format\\*year\*)
- Email the finalised test plan to Asset Owner (refer Appendix 5.3 for template and distribution list)
- Secure Asset Owner written agreement to conditions.
- Manage any post-approval changes from Asset Owners to test plans which occur more than 2 business days before testing, and resubmit to the relevant group of approvers again.
- Inform NMdata and Operations Manager of any test plans which are received within 2 business days of testing or have not been approved within 2 business days of testing to ensure they are being managed by NCC.
- Enter finalised test plan details into the Market System Outage Schedule (MOS) as a Calendar Note in the format below;





- Ensure that a link is added within this MOS Calendar Note to the finalised test plan in SiFT:



**Grid and System**  
**Operations Assessment**  
**Duty Operations Manager**

Responsibilities include to:

- Monitor the Test Plan Tool for any new plans requiring Operations Manager assessment.
- Initial assessment of test plans to determine any potential system impacts, including consideration of Special Protection Scheme operation.
- Ensure that form is filled in a way that is easily readable in the control room, contains sufficient information about the testing, and does not reference other documents outside the test plan.
- Where changes are requested altering secondary risk status in any way:
  - Update TI-DP-434 Management of Temporary ACCE and ACECE Risks
  - Ensure the MOI has been set up for the site to be added as a secondary risk.
  - Arrange a CAN to be issued if secondary risk is to be changed in any way.

The outcome of the assessment must be communicated back to the via the Test Plan Tool (with email as the backup method).

**Security Coordinator**

Responsibilities include:

- Assessing any Urgent Test Plans that are emailed to [NMdata@transpower.co.nz](mailto:NMdata@transpower.co.nz), or reassessing changes to existing test plans that are in progress or due to start within 2 business days
- Ensure conditions and any asset, power system, time and notification pre-requisites are met during the testing period, including verbally making any pre-requisites clear to the Asset Owner
- Managing the NMdata mailbox.

Important Notes:

- Conditions outlined on the test plan must be met throughout the test. Cancel testing if security is at risk.
- If certain system conditions are required for a test to proceed, such as minimum HVDC transfer levels, it is imperative tests are commenced immediately once final approval to undertake the test is given by the Security Coordinator. This requirement must be clearly made known to the Asset Owner.



- 
- If power system conditions change during testing or before a test has started, such that conditions specified on the test plan are no longer being met or reasonably may not be met, the Security Coordinators shall end the testing.
  - Issue a CAN for any changes to secondary risk or risk reclassification.
  - Notify [OperationalTestPlans@transpower.co.nz](mailto:OperationalTestPlans@transpower.co.nz) when an Urgent Test Plan is agreed
- 

***Security Support***

Responsibilities include to:

- Review tests planned for next day ensuring no security issues are predicted.
  - Support Security Coordinator in managing any Urgent Test Plans as required.
- 

***Operations Planning******Assessment***

May need to be undertaken as described below:

Responsibilities include to:

- Assess and review all test plans sent to the Operations Planning Approver in the Test Plan Tool within 5 business days of submission, or within 5 business days of the test, whichever is later.
- Noting how any temporary changes to asset capability may impact System Operator processes.
- Determine potential impacts of testing on the power system, including consideration of Special Protection Scheme operation.
- Recommend pre-requisites and conditions the Asset Owner must comply with prior to or as part of any testing being carried out.

The outcome of the assessment must be communicated via the Test Plan Tool (with email as the backup method).

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**Power System Group**  
**Assessments**

**Compliance Assessment**

- ***Power Systems Engineer***

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May need to be undertaken as described below:

Responsibilities include to:

- Assess and review all test plans sent to the Operations Planning Approver in the Test Plan Tool within 5 business days.
- Check for inclusion of any special provisions in the "Impact on Asset Owner Performance Obligations" field.
- Only specific clauses from Part 8 Asset Owner Performance Obligations and/or Technical Codes must be referenced.
- Any relief from the Code requested as a part of the test plan must reasonably be necessary to carry out the testing.
- Advise of any concerns regarding any aspect of the proposed testing.

The outcome of the assessment must be communicated back to the via the Test Plan Tool (with email as the backup method).

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**System Stability Assessment****- Power Systems Engineer**

Responsibilities include to:

- Assess and review all test plans sent to the Power System Engineering Approver in the Test Plan Tool within 5 business days.
  - Retrieve potentially High-Impact test plans from the Test Plan Tool.
  - Review the test plan noting any temporary changes to the asset capability information, the resultant capability and the test duration.
- Assess potential impacts of tests that may impede the System Operator from meeting, or planning to meet, the Principal Performance Obligations.
- Determine impact of any equipment/control system changes on generation assets or the power system.
  - Understand the impact of test by performing system studies
    - Check whether the impact on Asset Owner Performance Obligations (AOPO) notified by the Asset Owner are appropriate.
    - Liaise with the Asset Owner, if needed, to complete the assessment.
    - Determine whether a system ride through test is required, and if so, what the test must demonstrate and details of how it may be undertaken.
  - Based on the impact, advise any mitigation strategies to reduce the potential impacts of testing from the studies.
  - Recommend the update of the tools if required.
  - Recommend power system or other pre-requisites and conditions the Asset Owner must comply with prior to or as part of any testing being carried out.
  - The outcome of the assessment must be communicated back via "Your Comments:" in the Test Plan Tool (with email as the backup method).
- Consult and agree with the Market & Security of Supply Manager directly on any tool issues and any potential market issues associated with the tests.
- If necessary to maintain power system security:
  - Recommend scheduling of additional reserves in RMT utilising reserve offers made to the market system for a trading period immediately after the proposed test.
  - 1 MW of additional CE reserve should be scheduled for each MW of generation planned to be removed from the power system.
  - Obtain approval from Power Systems Group Manager or the delegated personnel of any necessary changes to power system risk setting of System Operator tools.



### 3.4 Roles and Responsibilities – Urgent Test Plans

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***Applicability***

This section applies to urgent test plans received for unplanned tests up to and including the next business day following receipt of the plan.

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***Acceptance Criteria***

Urgent test plans will only be accepted by the Security Coordinator if all of the following criteria are met:

- the asset is required to maintain security, **and**
  - the asset will not be offered without it being tested, **and**
  - a written test plan containing all information required to enable assessment has been submitted, **and**
  - sufficient time exists before the time requested for the test to assess the test plan and secure agreement of conditions.
- 

***Grid and System******Operations Assessment***

May need to be undertaken as described below:

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**Security Coordinator**

Responsibilities include to:

- Manage the urgent test plan receipt, assessment and agreement process.
- Carry out the initial assessment of test plans normally done by others as described in Section 3.2 of this document:
- Grid and System Operations Assessment
- Operations Planning Assessment
- Compliance Assessment
- System Stability Assessment (where applicable)
- Consult with the Duty Operations Manager on all urgent test plans before any agreement is given.
- Finalise conditions for Asset Owner agreement.
- Where changes are requested altering secondary risk status in any way:
  - ensure the MOI has been set up for the site to be added as a secondary risk
  - arrange a CAN to be issued if secondary risk is to be changed in any way.
- Ensure conditions and all asset and power system pre-requisites are met immediately prior to, and during, the testing period.
- Ensure any compliance issues associated with code obligations relating to Part 13 Trading Arrangements are resolved prior to testing.
- Secure Asset Owner written agreement to conditions.
- Note test conditions for:
  - system tools
  - power system conditions
  - requirements on the Asset Owners for the test to proceed.
- Enter test details and test plan in MOS notes.

Important Notes:

- Conditions outlined on the agreed test plan must be met throughout the test. Cancel testing if power system security is at risk.
- If certain system conditions are required for a test to proceed, such as minimum HVDC transfer levels, it is imperative tests are commenced immediately once final approval is given by the Security Coordinator. This requirement must be clearly made known to the Asset Owner.
- If power system conditions change during testing, or before a test has started, such that conditions specified on the test plan are no longer being met or reasonably may not be met, the Security Coordinators shall end the testing.
- Issue a CAN for any changes to secondary risk or risk reclassification.

**Security Support**

Responsibilities include to:

- Review tests planned for next day ensuring no security issues are predicted.
- Support Security Coordinator in managing any Urgent Test Plans as required.

## 4 Procedures

### 4.1 Test Plans – To be reviewed/completed

Step	Action
1	Asset Owner test plan received in the <a href="mailto:OperationalTestPlans@transpower.co.nz">OperationalTestPlans@transpower.co.nz</a> mailbox
2	Test plan facilitator loads plan into the test plan tool and assigns the following assessments: <ul style="list-style-type: none"> <li>▪ Operations Planning Assessment [all test plans] (send to <a href="mailto:operation.planning@transpower.co.nz">operation.planning@transpower.co.nz</a> mailbox if test plan tool is down) Go to step 3</li> <li>▪ Compliance Assessment [for all code clause changes or significant changes other than date changes] (send to <a href="mailto:compliance@transpower.co.nz">compliance@transpower.co.nz</a> mailbox if test plan tool is down) <b>Go to step 4</b></li> <li>▪ System Stability Assessment [high impact tests only] (send to <a href="mailto:power_systems_engineering@transpower.co.nz">power_systems_engineering@transpower.co.nz</a> mailbox if test plan tool is down) <b>Go to step 5</b></li> <li>▪ Grid and System Operations Assessment [all test plans] (send to <a href="mailto:operationsmanager@transpower.co.nz">operationsmanager@transpower.co.nz</a> mailbox if test plan tool is down) Go to step 6</li> </ul>
3	<ul style="list-style-type: none"> <li>▪ Network Modelling and Commissioning Team carries out a planning assessment on all test plans as described in Section 3.2 of this document.</li> </ul>
4	<ul style="list-style-type: none"> <li>▪ Power System Group carries out a compliance assessment on all test plans as described in Section 3.2 of this document.</li> </ul>
5	<ul style="list-style-type: none"> <li>▪ Power System Group carries out a systems stability assessment for high impact tests only as described in Section 3.2 of this document.</li> </ul>
6	<ul style="list-style-type: none"> <li>▪ Duty Operations Manager carries out a Grid and System Operations Assessment on all test plans as described in Section 3.2 of this document</li> </ul>
7	Test plan facilitator collates assessment recommendations and prepares a response to the applicant. Typically, this will be a: <ul style="list-style-type: none"> <li>▪ reply with conditions for Asset Owner written agreement prior to tests being started Go to step 9, or</li> <li>▪ reply with a request for further information to allow one or more assessments to be completed and wait for further information from the Asset Owner, Go to step 2, or</li> <li>▪ reply and notify the Asset Owner the submitted test plan is not agreed, Go to step 10</li> </ul>
8	Test plan facilitator: <ul style="list-style-type: none"> <li>▪ Records test plan in SiFT and makes a MOS Calendar note corresponding to the plan with link to the plan in SiFT.</li> <li>▪ Sends agreement email to asset owner using template and distribution list from Section 5.2 of this document.</li> </ul>
9	Test plan facilitator receives written confirmation from Asset Owners that the test plan conditions are agreed. <ul style="list-style-type: none"> <li>▪ Process stops here, awaiting starting of the tests.</li> </ul>



Step	Action
10	<p>Test plan is not agreed.</p> <ul style="list-style-type: none"> <li>▪ Any notes or changes are removed from operational tools.</li> <li>▪ Advise the Asset Owner the test is not agreed.</li> </ul>

## 4.2 Urgent Test Plans

Step	Action
1	Asset Owner test plan received in <a href="mailto:operationsmanager@transpower.co.nz">operationsmanager@transpower.co.nz</a> . (Confirm who is handling the plan with Test plan facilitator if received near the 2 business day cutoff).
2	<p>Duty Operations Manager performs the following assessments where required and discusses them with the Security Coordinator (each assessment is described in Section 3.2 of this procedure):</p> <ul style="list-style-type: none"> <li>▪ Operations Planning Assessment</li> <li>▪ Compliance Assessment</li> <li>▪ System Stability Assessment (where applicable)</li> <li>▪ Grid and System Operations Assessment</li> </ul>
3	<p>Duty Operations Manager agrees with the Security Coordinator a response to the Asset Owner. Typically, this will be either a:</p> <ul style="list-style-type: none"> <li>▪ reply with conditions for Asset Owner written agreement prior to tests being started and wait for confirmation from the Asset Owner, Go to step 4, or</li> <li>▪ reply with a request for further information to allow one or more assessments to be completed and wait for further information from the Asset Owner, Go to step 1, or</li> <li>▪ reply with a notification to the Asset Owner the submitted test plan is not agreed. <b>Go to step 5</b></li> </ul>
4	<p>Security Coordinator receives written confirmation from the Asset Owner to conditions of the test plan.</p> <ul style="list-style-type: none"> <li>▪ Complete documentation of test plan as detailed in Section 3.2 of this document.</li> <li>▪ Issue a CAN if secondary risk is to be changed in any way.</li> <li>▪ Process stops here, awaiting starting of the tests.</li> </ul>
5	<p>Test Plan is not agreed.</p> <ul style="list-style-type: none"> <li>▪ Any notes or changes are removed from operational tools</li> <li>▪ Advise the Asset Owner the test is not agreed.</li> </ul>



## 5 Appendix

### 5.1 Agreed distributor demand thresholds

Distributor	Demand Threshold	Other conditions
Vector, Powerco and Orion Distributors	20 MW per 1 minute	<ul style="list-style-type: none"> <li>▪ For planned controlled changes only.</li> <li>▪ Applies to controlled reduction and restoration.</li> <li>▪ Contact by telephone to advise load changes and times within which they will occur.</li> <li>▪ Contact to be made 24 hrs prior with follow-up confirmation just prior to load reduction actually being undertaken.</li> <li>▪ Operational actions by each party to be agreed. System Operator to specify when a load change may occur and require a new agreement if the change does not occur in the permitted time.</li> <li>▪ Test Plan Form to be completed at the discretion of the parties.</li> </ul>

### 5.2 Test Plan Email Template & Distribution

#### Template

This is the approved email template to send finalised test plans to Asset Owners:

*Please find attached the updated draft test plan to which we have added the conditions that apply to any testing. Please confirm in writing that you agree to the attached conditions (set out in section 3) prior to the test commencing <mmm dd yyyy> Until such confirmation has been received, the attached will not constitute an agreed test plan.*

Please send agreement of test plan conditions to [operationaltestplans@transpower.co.nz](mailto:operationaltestplans@transpower.co.nz) and [NMdata@transpower.co.nz](mailto:NMdata@transpower.co.nz)

#### Distribution

Finalised test plans should be sent back to all of the recipients that were included in the original test plan submission email.

In addition, the following recipients should be cc'd in finalised test plan emails;

All Test Plans	<a href="mailto:operationaltestplans@transpower.co.nz">operationaltestplans@transpower.co.nz</a> <a href="mailto:NMdata@transpower.co.nz">NMdata@transpower.co.nz</a>
HVDC, HVDC filters, STC, SVC, SC, UNIRPC or EDB reactive power tests	<a href="mailto:go.manager@transpower.co.nz">go.manager@transpower.co.nz</a> <a href="mailto:Matthew.Hansen@transpower.co.nz">Matthew.Hansen@transpower.co.nz</a>
ICCP work which may impact SCADA indications	<a href="mailto:go.manager@transpower.co.nz">go.manager@transpower.co.nz</a> <a href="mailto:Ganesparan.Sabesan@transpower.co.nz">Ganesparan.Sabesan@transpower.co.nz</a> <a href="mailto:Alan.Groves@transpower.co.nz">Alan.Groves@transpower.co.nz</a>

## 6 Document Information

### 6.1 Copyright Information

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### 6.2 Document Feedback

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### 6.3 Revision History

Link to document review survey <https://forms.office.com/r/sYbiNMKMwY>

SharePoint Revision	Date	Change	Section
5.0	3/8/16	Definition of High Impact test amended	Purpose
6.0	12/05/2021	Minor update to reflect, Test Plan and Urgent Test Plan definition, functional group name change, added timeframe for Operations Planning and Power System Group assessment, etc.	All sections
7.0	3/5/2023	Cyclic review, links related to website updated, minor addition relating testing to consider impact of testing on special protection schemes.	
7.6	April 2024	Moderate changes to include new Test Plan Tool process and responsibilities, R&R matrix, Urgent Test Plans managed by Security Coordinator, etc	
8.0	21/08/2024	<b>BAU Review:</b> Major changes to follow use the Test Plan Tool, break out the Test plan facilitator role separate from Duty Ops Manager, add Operations Manager assessment, and more closely fit the procedure to our actual process.	All Sections
9.0	26/8/2025	<b>BAU Review:</b> Minor update to reflect the roles and responsibilities of PSE engineer in performing System Stability Assessment.	Section 3.3



## 6.4 Metadata

### Document ID Information

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### DMS Structure

Macro-Process: Engineering Assessment (EA)  
 Process:  
 Process Hierarchy: L1: 01 Planning L2: 01 Conduct Engineering Assessments  
L3: 01-02 Manage Asset Capability L4: [Business Model L4]  
 Testing  
 Document Complexity Rating (days): 21 days

### Document Control

Business Group Owner: Power Systems Group  
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