

Work Control Procedures



Work Authority

October 2025

The Work Authority is a Minor Works Management System, for work on or near in service or available for service equipment where that work may present a risk to equipment operation or affect resource consent compliance.

Record of Amendments

Date Issued	Summary of Key Changes
June 2023	Original Issue
Oct 2025	<p>Major review and updates</p> <p>Section 1 - Introduction</p> <ul style="list-style-type: none"> • Scope & Application - Added defined terms shall, should, may & can <p>Section 2 Process Selection</p> <ul style="list-style-type: none"> • Revised WCP Selection Guide in line with legislation, WorkSafe and SMEI guidance <p>Section 3 – Roles and Responsibilities</p> <ul style="list-style-type: none"> • Expanded competency responsibilities to cover asset owner and Employers (PCBU's) • Updated competency requirements to reflect the StayLive Training and Competency Guideline • Added responsibilities for daily return <p>Section 4 Safety Measures and Isolation Points</p> <ul style="list-style-type: none"> • New statement covering importance of operational locks and safety measures. • Clarification that where practicable all RASM's shall be locked • Clarification RASM process is used for both the management of safety measures and also for plant status control • Added guidance for Management of common RASM isolations <p>The Work Authority Process</p> <ul style="list-style-type: none"> • Minor clarifications and guidance improvements for issue, and return for cancellation • Added guidance for compiling the Work Authority • New guidance for daily return and reissue <p>Process Flow Charts</p> <ul style="list-style-type: none"> • Added four flow charts to provide more comprehensive guidance on the range of Work Authority processes • Updates to mirror changes referenced in sections above <p>Work Authority Forms</p> <ul style="list-style-type: none"> • Added example Work Authority forms <p>Glossary</p> <ul style="list-style-type: none"> • Amended/added definitions for Actioner, Allocate, Alteration, Checker, Compiler, Daily Meetings, Delegate, Minimum Approach Distance, Objective, Operational Locks, Plant Status Control, Suspension, Transfer and Test Permit

Contents

1. INTRODUCTION	5
PURPOSE	5
OVERALL PHILOSOPHY	5
SCOPE AND APPLICATION	5
STANDARD OPERATING PROCEDURES.....	5
THE WORK AUTHORITY	5
2. PROCESS SELECTION	6
WCP Selection Guide	6
3. ROLES AND RESPONSIBILITIES	7
ROLES	7
RESPONSIBILITIES.....	7
COMPETENCY.....	7
ASSET OWNER.....	7
ISSUER.....	8
RECIPIENT.....	9
SUPERVISOR (Work Party)	10
WORK PARTY.....	10
DAILY MEETINGS	11
4. SAFETY MEASURES AND ISOLATION POINTS	12
RECIPIENT APPLIED SAFETY MEASURES	12
MANAGEMENT OF COMMON RASM ISOLATIONS.....	13
5. WORK AUTHORITY HARDWARE & DOCUMENTATION.....	14
LOCKS AND TAGS	14
FORCED REMOVAL OF LOCKS	14
ADDITIONAL MEASURES	14
WORK AUTHORITY FORMS	14
RASM LOCKS AND TAGS.....	15
6. THE WORK AUTHORITY PROCESS	16
PLANNING FOR A WORK AUTHORITY	17
WORK AUTHORITY ISSUE	18
COMPILING THE WORK AUTHORITY	18
DAILY RETURN AND REISSUE	18
RETURN FOR CANCELLATION.....	18
7. PROCESS FLOW CHARTS	19
1. Planning for a Work Authority	19
2. Issue a Work Authority	20

3. Management of Recipient Applied Safety Measures.....	21
4. Work Authority – Daily Return.....	22
5. Work Authority – Daily Reissue.....	23
6. Returning a Work Authority for Cancellation	24
8. WORK AUTHORITY FORMS	25
9. WCP GLOSSARY	28

Preparation of Work Control Procedures

StayLive Work Control Procedures are prepared by a consensus process involving representatives nominated by major generating companies in NZ. These procedures may be derived from existing industry procedures, from established international procedures and practices or may be developed by the StayLive Work Control Procedures Working Group.

The following companies are represented on the WCP Group:

Contact Energy Ltd
Genesis Energy Ltd
Meridian Energy Ltd
Mercury NZ Limited
Nova Energy Ltd
Pioneer Energy Ltd

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Disclaimer

This document has been prepared by a group of representatives of the electricity industry for the purpose of providing principles on safety and other practices for use by the generation sectors of that industry. It sets out standards considered to be appropriate for the electricity industry; in some instances further procedures will need to be developed in order to implement those standards. Although this document is recommended by industry representatives, it is not legally binding; as such, the industry representatives involved in its development can accept no liability or responsibility for any injury, loss, damage, or any other claims caused by or resulting from any inaccuracy in or incompleteness of the document.

1. INTRODUCTION

PURPOSE

StayLive adopts the Safety Manual – Electricity Industry (SM–EI) rules as its essential safety requirements for the control of hazards.

This Work Authority (WA) document is one of a suite of generation Work Control Procedures (WCP).

Combined, this suite of documents describes the specifics for the range of WCPs used in the generation industry.

These WCP's set out, where necessary, the specific requirements for applying SM–EI rules to generating plant and facilities to ensure consistent interpretation and practical compliance across the NZ generation sector.

These procedures are designed to enable:

- safe access to plant and equipment for the purposes of undertaking any form of maintenance, inspections and/or testing
- contractors moving between different sites and asset owners experience consistent requirements and methods of equipment isolation
- safe and reliable return to service following completion of any works, and
- ensuring other plant and equipment are not affected during the works

OVERALL PHILOSOPHY

Achieving safe work practices on our worksites is conditional upon three key elements:

1. Personnel shall fully understand their individual roles and responsibilities and also an understanding of the roles and responsibilities of others.
2. Effective planning will drive efficient and safe work execution.

3. Clear, concise, and effective communication between all parties is essential to ensure the correct application of these work control procedures and the safe completion of site activities.

SCOPE AND APPLICATION

These Work Control Procedures are mandatory and apply to all work carried out on generating plant and facilities.

These Work Control Procedures take precedence wherever there is an optional requirement or ambiguity with the SM–EI rules and procedures.

In this document, the following terms apply:

- “shall” indicates a requirement (mandatory),
- “should” indicates a recommendation,
- “may” indicates a permission,
- “can” indicates a capability.

STANDARD OPERATING PROCEDURES

If the implementation of these Work Control Procedures results in sub-optimal or impractical outcomes, then Standard Operating Procedures (SOP) may be developed which provide an equivalent or greater standard of control of the work environment.

THE WORK AUTHORITY

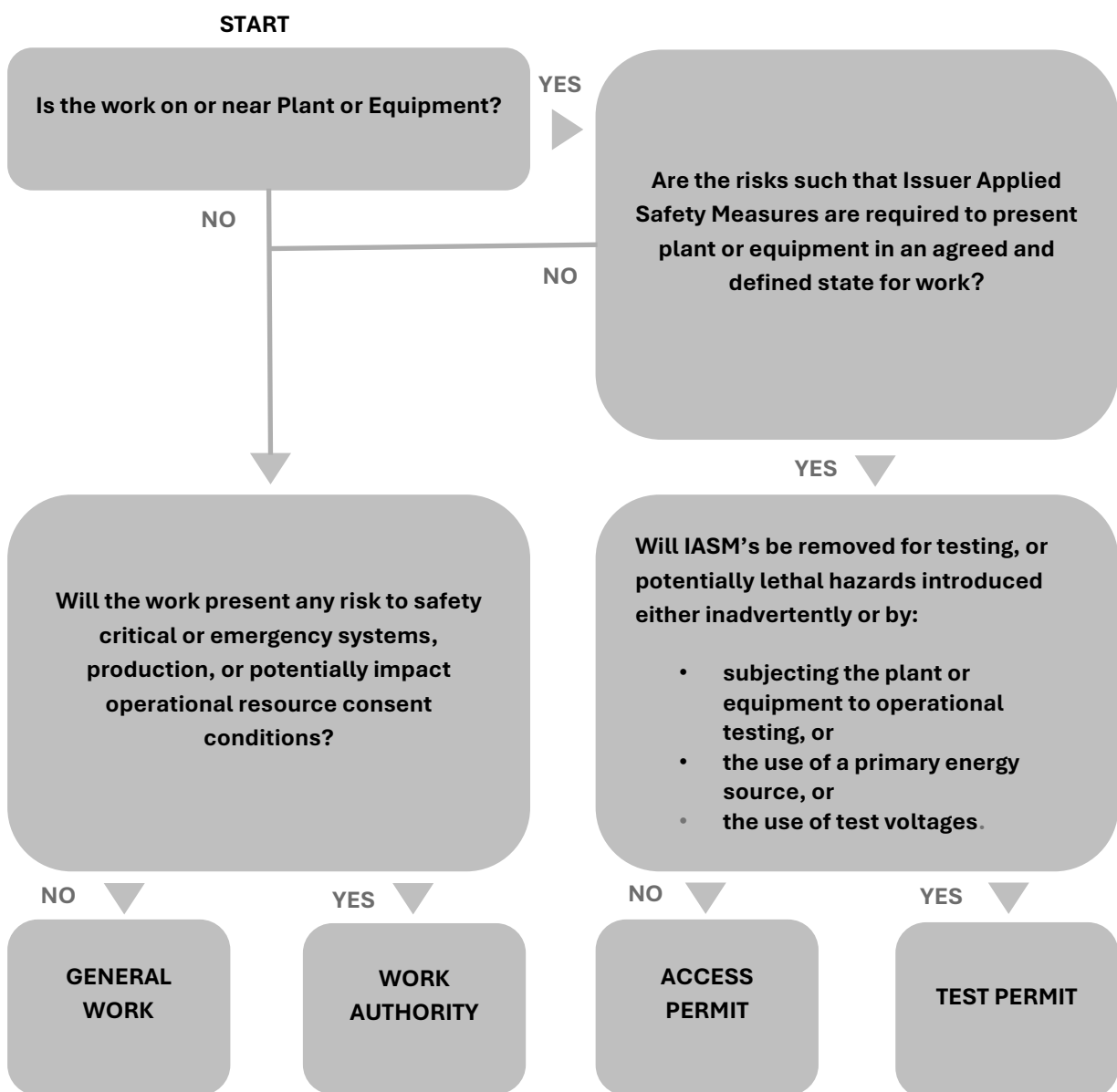
The WA is a Minor Works Management System, for work on or near in service or available for service equipment where that work may present a risk to equipment operation or affect resource consent compliance.

2. PROCESS SELECTION

This selection guide is intended to support a robust planning process between relevant parties. Assessing the risk of the work or activity is critical to determine the most suitable process to follow. Examples may include:

- Risks that cannot wholly be controlled by a Recipient or Supervisor
- Hazards from energy sources eg electrical, mechanical, gases, water
- Other considerations that warrant the use of IASM's.

WCP Selection Guide



3. ROLES AND RESPONSIBILITIES

ROLES

Primary roles for a Work Authority (WA) are:

- Issuer
- Recipient
- Supervisor (Work Party)
- Work Party

For a WA:

- the Issuer and Recipient are preferably different people
- the Recipient is the Supervisor (Work Party)

RESPONSIBILITIES

It is the responsibility of each person, including members of the work party and those scoping, scheduling, and implementing work to:

- fully understand their respective role and their associated responsibilities to provide safe access to equipment for the purposes of undertaking work
- have a practical understanding of SM–EI and the StayLive Work Control Procedures to ensure they are implemented correctly
- be aware at all times of what other work is occurring that might affect the safety of themselves and others on site
- be conscious of the hazards associated with, or introduced by, their work and have effective mitigations in place for those hazards
- plan and communicate effectively so that intentions are well understood, and risks can be effectively managed

COMPETENCY

Each defined role shall only be performed by persons meeting the competency criteria for that role or by persons undergoing training, or competency assessment, or where they are under the direct supervision of a competent person.

The asset owner and respective employer(s) have shared responsibilities for ensuring the competencies of WCP roles.

Competencies required for a WA Issuer and Recipient are:

- Access Operational Areas (refer StayLive Training and Competence Guideline)
- WCP specific WA competence
- Safety measure competence (as determined by the asset owner)

ASSET OWNER

The asset owner has a duty to ensure that any hazards that work parties may be exposed to are identified and appropriate controls established. Such information shall be available to persons preparing applications for WA.

ISSUER

It is the responsibility of the Issuer to ensure:

- they and the Recipient have appropriate and valid competence
- they communicate fully with the Recipient and other parties that may be affected by the work, regarding the scope and application of the work control
- where the Generation Controller is not the Issuer, the Issuer and Recipient will agree on who will contact the Generation Controller to advise that the work is being carried out, and to forewarn any possible alarms, indications or change in plant status
- that all appropriate actions allowing safe access to equipment for work have been taken
- that all additional WCP specific forms and attachments are provided to the Recipient and are identified on the WA form
- they retain a copy of the WA and keep it secure (digital or hard copy)
- they log the details of all Work Authorities issued

It is the responsibility of the Issuer to ensure that they and the Recipient discuss, understand and acknowledge:

- the worksite, the equipment and extent of the work
- the state of the equipment
- the location of adjacent energised or in service equipment
- that any known hazards and/or any special precautions to ensure Recipient/work party safety are identified
- that a hazard identification and risk management process is completed by the Recipient as per the asset owners requirements
- that proposed RASM's are appropriate and agreed with the Recipient
- the location of all isolations to which RASM's are to be applied
- the status of plant, equipment and RASM's where daily return of the WA is required
- that all plant risks and mitigations are agreed with the Recipient

The Issuer and Recipient should be different people unless there are circumstances where this is not practicable, the asset owner is to define how this is managed.

RECIPIENT

It is the responsibility of the Recipient to ensure:

- they have appropriate and valid competence
- they communicate fully with the Issuer regarding the scope and application of the WA
- the work control is adequate for the work to be carried out, and it remains adequate throughout the work for the purposes of maintaining safe access to the equipment being worked on
- that RASMs as agreed, are identified, applied, removed and recorded as per Section 4 of this document.
- the Issuer is advised of the status of plant, equipment and RASM's where daily return of the WA is required
- that a hazard identification and risk management process is completed in consultation with the work party prior to the commencement of work, at least daily and as necessary during the work
- they shall be the supervisor (work activity)
- the appropriate level of supervision is provided at all times
- they remain contactable and at the worksite whilst the work is being carried out
- the safety of the work party, and of others in the vicinity of their workplace

The Recipient shall ensure they understand and acknowledge:

- the worksite, the equipment and extent of the work
- the location of adjacent energised or in service equipment
- location of all isolations to which RASM's are to be applied
- the existence of known hazards
- potential hazards at the worksite

The Recipient can be a member of the work party.

Before WA return for cancellation, the Recipient shall ensure return to service checks are completed including:

- that the work is complete
- that tools are clear
- the worksite is tidy
- all RASM's are restored, and locks & tags removed
- all work party members are advised the WA is to be returned and have acknowledged by signing off where required

The Recipient shall also ensure:

- that if a work party member is not present, they are informed that the WA has been returned
- they return the WA and all associated and additional documentation once work is complete
- they advise the Issuer of any modifications made to the equipment, or change in state of the equipment as a result of the work

SUPERVISOR (Work Party)

By default, the Recipient is the supervisor.

For a WA, the Recipient's responsibilities for supervision are to ensure:

- they have appropriate and valid competence
- they fully understand their supervision role
- they remain contactable and at the worksite whilst the work is being carried out
- they understand the state of the equipment, risks at the worksite, risks to those in the vicinity of the work and precautions required to manage these risks
- that a hazard identification and risk management process is completed in consultation with the work party prior to the commencement of work, at least daily and as necessary during the work
- the quality and completeness of information recorded on the hazard identification and risk management documentation
- they understand the state of the equipment, risks at the worksite in the vicinity of the work and the precautions that shall be taken
- additional RASM's, as required are agreed with the Issuer, and applied and recorded
- they provide clear and effective instruction to the work party and keep the work party fully informed of any changes

WORK PARTY

It is the responsibility of the members of the work party to ensure:

- they work under the supervision of the work party supervisor
- they take part in a hazard identification and risk management process before work and during the work as required
- that they shall review and sign on to the hazard identification and risk management documentation at the start of each day or shift before starting work
- they work only on equipment as specified in the equipment to be worked on section of the WA
- they inform the Supervisor/Recipient and other work party members of any additional hazards created by the work or otherwise identified and ensure these hazards are effectively managed
- they sign on and off the Work Party Sign on Form where required by the asset owner

DAILY MEETINGS

Site meetings shall be held at the start of every day or shift and shall include all Recipients and work party supervisors who are expected to be on site that day.

Meetings shall be consistent and appropriate for the scale, scope and complexity of the work planned or in progress. Additional work party work activity meetings are to be held prior to starting work.

The meetings shall cover off, among other things:

- work on site
- contractors on site
- locations and activities of work parties
- nominated Issuers, Recipients, Supervisors
- work controls in place or required
- planned changes to safety measures
- temporary hazards
- management of production risks
- shared equipment to be used
- testing activities
- commissioning activities
- any work activities that may impact others

Key decisions are to be recorded on the daily site meeting form.

4. SAFETY MEASURES AND ISOLATION POINTS

Generation sites utilise operational locks and safety measures. These are integral to people and plant safety and shall NEVER be interfered with. Interfering with safety measures and other operational locks is a serious violation of work control procedure protocols.

Issuer Applied Safety Measures (IASM's) which use yellow locks and tags are for Access Permits and Test Permits only. These shall not be used for General Work or WA activities.

Where any yellow IASM locks or tags are found applied to any isolation point where work is to be undertaken, or RASM's are required, stop and seek guidance from the Issuer.

RECIPIENT APPLIED SAFETY MEASURES

Only RASM's are permissible under a WA.

The RASM process is used for both the management of safety measures and also for plant status control. These are applied by or under the direction of the Recipient.

RASM's may also be used for tracking when the work requires a change of plant status e.g., manual/auto select switch, using valves to prevent loss of hydraulic oil, disconnecting a section of pipework or installing/removing blanking flanges.

Unless Plant Status Controls are managed by a specific procedure or process, they shall be controlled under the RASM process to ensure that the plant is returned in the correct state.

The Issuer and Recipient shall discuss and agree on any RASM's to be applied.

Where practicable all RASM's shall be locked.

RASM's shall be recorded on a RASM register.

The purpose of the RASM register is to ensure that:

- the work party is aware of what isolations are in place

- the work party is aware of the current status of equipment, and
- the equipment isolations are correctly restored at the conclusion of the works

The RASM register shall be kept with the Work control document at all times.

If another work control is required, all RASMs are returned in the agreed state and RASM register updated.

RASM's include;

- additional earths
- bonding connections
- Isolation of low-risk supplies needed to enable specific work to take place, e.g. instrument air, low pressure water, LV power supplies etc
- removal of equipment communications connections
- disconnection of control cables or wires

Where RASM's will be applied and removed multiple times during the course of the intended works the RASM register is to be updated:

- as required to effectively ensure the safety of the work party
- at the end of the working day
- prior to daily return if applicable

When the work control document is being returned for cancellation and no other work control is required then the Recipient shall check and sign off that all RASM's have been removed.

MANAGEMENT OF COMMON RASM ISOLATIONS

Where there are common isolations for multiple work parties, then multi-lock principles shall be used.

This will ensure the RASM's cannot be altered without consultation and agreement with all affected parties while any work control with common isolations remains in force.

A multi-lock is a device applied at the point of isolation or earthing which has provision for a number of locks to be attached, each of which when in place will inhibit the operation of that isolation point.

Where common isolation points are likely, the multi-locking device should be applied at the first opportunity to ensure that this facility is available for subsequent RASM locks.

5. WORK AUTHORITY HARDWARE & DOCUMENTATION

LOCKS AND TAGS

Only recipient applied safety measure (RASM) locks and tags are permissible under WA.

IASM locks and tags shall not be used.

RASM locks and tags shall:

- be applied and removed only by authorised and competent persons
- not be used for any purpose other than to lock and tag out isolation points, earthing, and plant status control
- be able to be tracked back through to the work control document to which they relate.

No work shall be conducted on equipment whilst it is being used as an isolation point, where that work may compromise the integrity of the isolation.

No spare keys shall be held for any RASM lock.

FORCED REMOVAL OF LOCKS

Forced removal of RASM locks is permissible in the following circumstances only:

- if the key to that lock is missing
- if the key fails to open the lock due to damage
- if it can be confirmed that the key holder has left site and it is not practical to expect them to return, e.g. time factors, distance, production, plant integrity, personal safety
- In the case of a missing key, every endeavour should be made to locate the missing key

If a RASM lock needs to be removed or replaced complete the following steps:

1. All work shall stop, and the safety of plant and people is confirmed.
2. Issuer and Recipient shall correctly identify the lock that is to be forcibly removed.
3. At the conclusion of the above steps, if the lock is safe to remove, the following steps shall be taken:

- a. asset owner approval obtained.
- b. the lock can now be forcibly removed.
- c. if required, apply the correct replacement lock, and update the RASM register as required.
- d. return the destroyed lock and update records as required.

ADDITIONAL MEASURES

Any barriers and masking curtains required shall be placed and appropriate notices used to indicate the equipment which can be worked on or near while the WA is in force and/or to indicate or protect against hazards.

Boundary markers and notices used within the access permit or test permit system shall not be used for work authorities.

WORK AUTHORITY FORMS

A WA shall be documented on a standard form using a process approved by the asset owner.

- a WA form (either paper or digital) may be used for issuing a WA
- all fields on the form should be filled in. If an entry is not required, then that section should be crossed out, or in the case of digital formats the word 'N/A' shall be added to identify fields which are not applicable.
- the form or a written record (i.e. when issued by phone) shall be held securely by the Recipient
- it shall be possible at any time to determine the status of a WA
- on completion of the work the WA form shall state what modifications, if any, were made.
- WA forms shall be retained as part of the operating log

RASM LOCKS AND TAGS

RASM's shall comprise a lock and or tag. Where it is not practical to use a lock, a tag or tape shall be used and shall be uniquely identifiable.

RASM locks, keys and tags are issued to the Recipient by the Issuer.

In general, all RASM locks shall be uniquely keyed and identifiable to the correct key. However, a small number of RASM locks may be commonly keyed provided they are issued to only a single Recipient and only one key exists for these locks.

- no spare keys shall be held for any RASM lock
- all RASM locks shall be red
- if the lock is labelled DO NOT REMOVE and is uniquely identifiable, then no accompanying tag is required unless specified by the asset owner

- RASM tags shall be red and white with DO NOT REMOVE in black text
- where tags cannot be applied then red and black RASM tape shall be used

RASM locks and tags shall:

- be applied and removed only by authorised and competent persons
- not be used for any purpose other than to lock and tag out isolation points, earthing or Plant Status Control
- be able to be tracked back through to the work control to which they pertain

No work shall be conducted on an isolation point, where that work may compromise the integrity of any isolation.



Picture 1: Example RASM lock, tag, and tape

PLANNING FOR A WORK AUTHORITY

Pre-work planning shall be completed for any intended work.

Pre work planning is essential to ensure that all aspects of the work and any related work are considered and identified.

This ensures adequate consideration is taken for the isolation of plant, and the safety of people working on equipment.

Where the scope and nature of the work requires, planning for management and compliance with regulatory and other safe work requirements shall be completed. For example;

- notifiable work
- civil works/Excavations
- mobile crane usage
- confined space

Pre-work planning shall be held ahead of the intended work with sufficient lead time to ensure all planning, communication and logistical aspects required for the safe and efficient implementation of the tasks is completed.

This shall be a scalable process relative to the complexity and risk of the intended work.

Typically, breakdown pre-work planning will be completed within a compressed timeframe.

Documentation required will be specified by the asset owner but at minimum the following information shall be captured.

- intended work scope and expected timeframe
- work control selection
- isolations/safety measures required
- identify Issuers, Recipients, Supervisors

- identification of what, if any, other work will be affected and confirmation that the supervisors of these works attend this meeting
- identification of what hazards are introduced by the work and how these hazards will be controlled
- confirmation of daily, or up to 14 day return requirements

The pre-work planning meeting is to be attended by the;

- Issuer
- Recipient

Additional attendees as required depending on the scope may include;

- asset owner
- technicians
- engineers
- project managers
- trades staff
- planning function
- other SME as needed (Safety/Environmental)

The record of the pre-work meeting or equivalent including key decisions should be kept and made available.

WORK AUTHORITY ISSUE

Before issuing the WA, the Issuer shall ensure the Recipient holds Recipient competency and that they understand all of their responsibilities.

Prior to issue, the Issuer and Recipient will agree on who will contact the Generation Controller where required, to advise that the work is being carried out, and to forewarn any possible alarms, indications or change in plant status.

Before accepting the WA, the Recipient shall ensure that:

- the equipment to be worked on and the work to be done stated on the WA is as requested
- they are satisfied with the precautions stated on the WA
- they are satisfied with the agreed RASM's to be applied

Once the Recipient has confirmed the details are correct for the work, they sign the acceptance section of the WA form or digital equivalent.

COMPILING THE WORK AUTHORITY

The Issuer shall ensure the WA is compiled in full, ready for issue.

- the WA section 'Equipment to be Worked On', shall clearly identify the equipment that the WA allows access to.
- the WA section 'Work to be done', shall clearly identify the work activity
- the WA section 'Precautions', shall clearly identify any equipment that may remain energised.
- RASMs are as agreed between Issuer and Recipient
- Equipment identification points are easily understood and legible

DAILY RETURN AND REISSUE

As agreed in the planning stage Work Authorities may require daily return

Where daily return is required, the following shall be discussed;

- the required status of RASM's
- the required status of plant and equipment and the worksite
- modifications made to plant and equipment

Plant or equipment status may change between return and reissue. The Issuer and Recipient must review the status change and agree if any action(s) are required before reissue is possible.

If reissue is not possible, the Issuer and Recipient agree on the process to manage any applied RASM's and to make the plant safe. The WA shall then be cancelled.

A WA issued daily may be reissued at any time before the return due by date.

RETURN FOR CANCELLATION

When a WA cannot be returned by the Recipient, the Issuer should notify the Recipient's supervisor/manager. The return of the WA should then be actioned as agreed between the Recipient's supervisor/manager and the Issuer.

If required, the Recipient (or Issuer, as agreed at outset of works) contacts the generation controller and advises work is complete.

This gives the generation controller the opportunity to check the status of the equipment and any alarms in SCADA and request any further information from the Recipient before the WA is returned.

When returning for cancellation, the following shall be discussed;

- the status of RASM's
- the status of plant and equipment and the worksite including readiness for service
- modifications made to plant and equipment

7. PROCESS FLOW CHARTS

1. Planning for a Work Authority



2. Issue a Work Authority

Continue from Chart 1

Issuer & Recipient

Meet to discuss detail of the WA. Issuer confirms any equipment status and prepares RASM locks and keys for issue.

Issuer & Recipient

Issuer and Recipient agree on who will notify the Generation Controller if this is required, confirm RASMs are adequate and appropriate for the work requested

Issuer

Issues RASM locks and keys and issues the WA to the Recipient. Issuer updates the log and retains an available copy (paper or digital) of the WA

Recipient

Accepts the WA and assumes responsibility for RASM locks and keys issued

Issuer/Recipient

Updates the Work in Progress (WIP) board (or equivalent).

Recipient

Meets with all members of the work party and steps through the complete detail of the WA. Ensures work party signs on to the WA where required.

Recipient

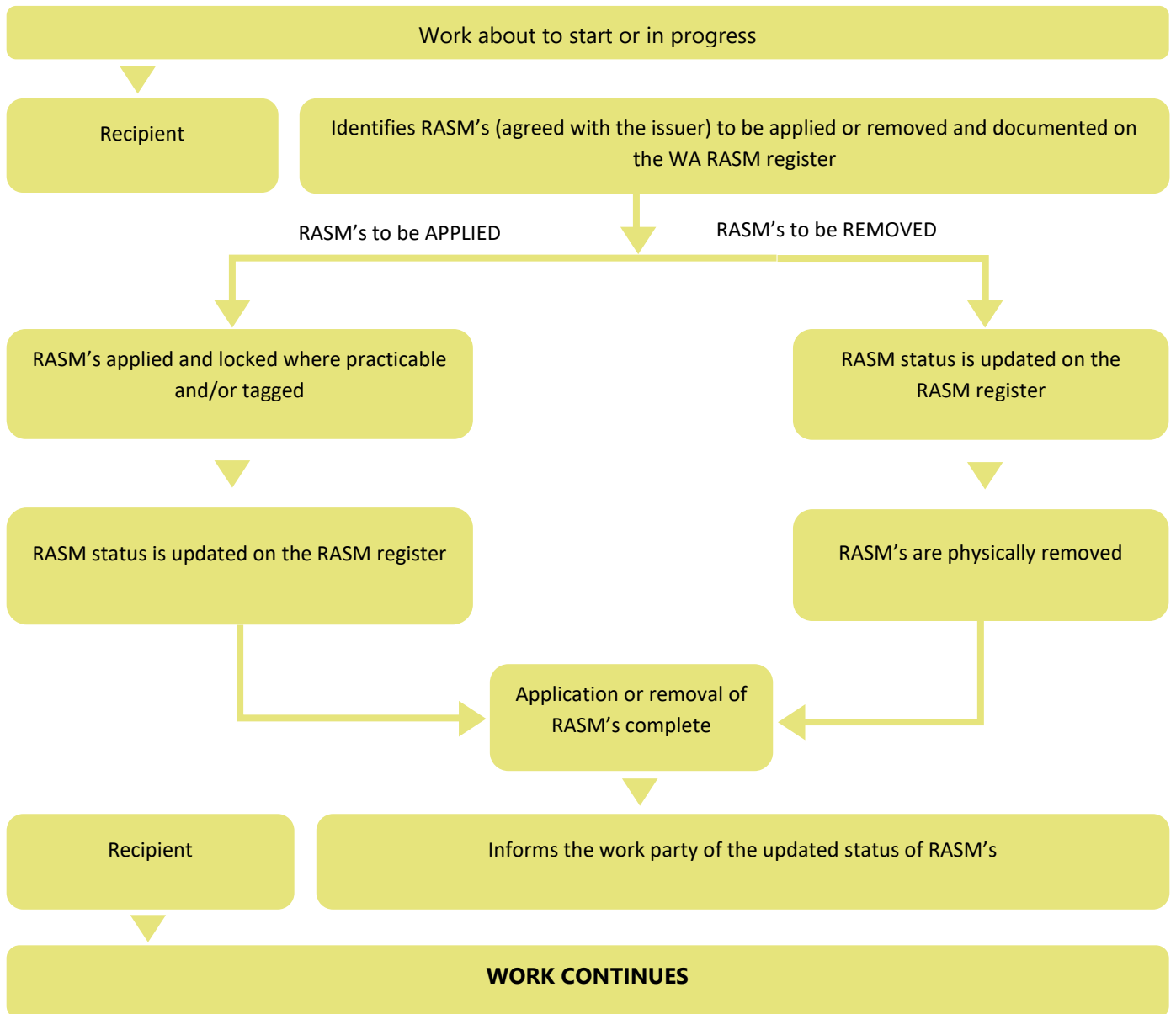
With the work party, completes and records the hazard identification and risk management process. Ensures the work party sign on to the hazard identification and risk management documentation

Recipient

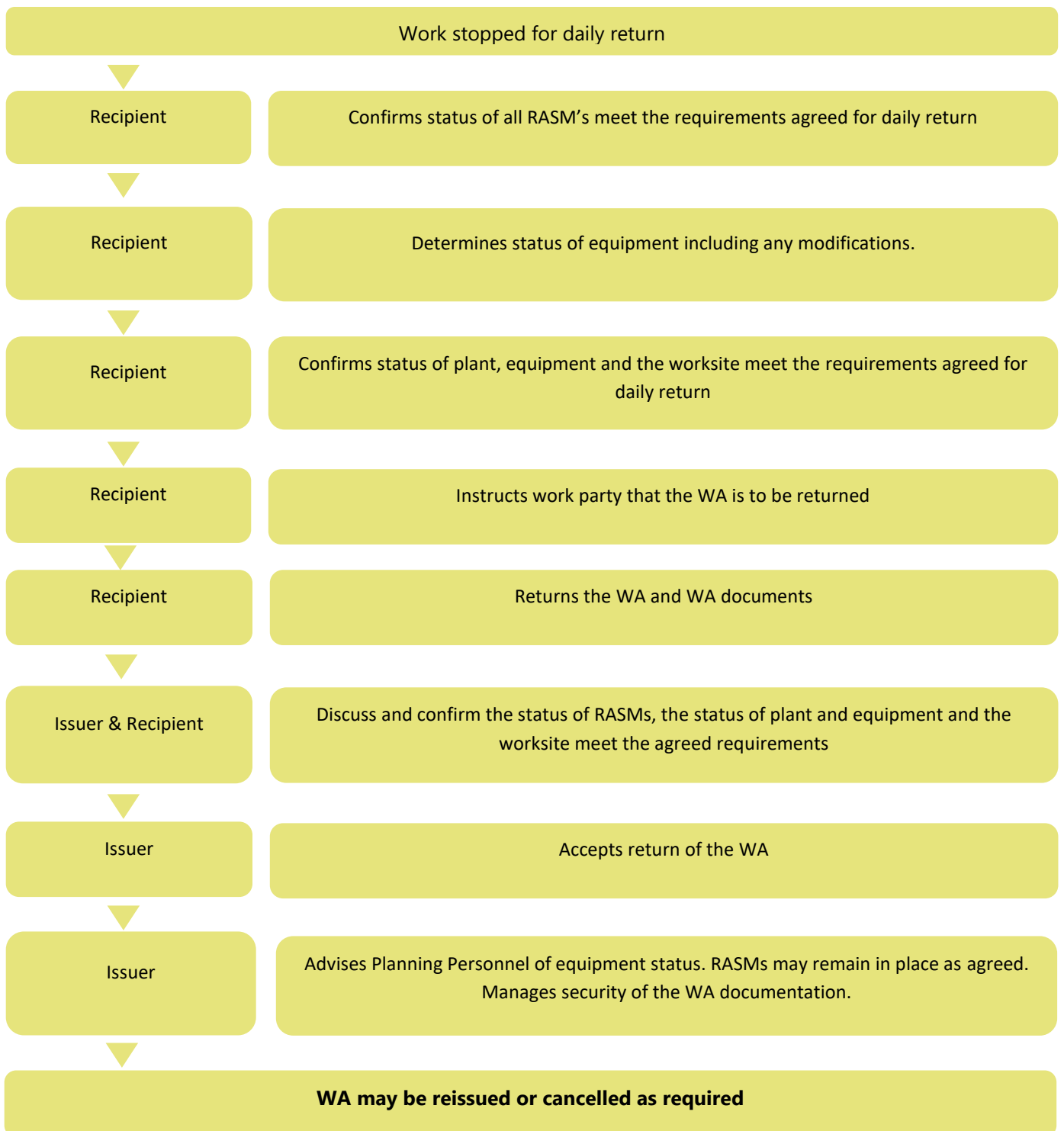
Applies RASMs as required and records this in the WA RASM register

WORK PROCEEDS

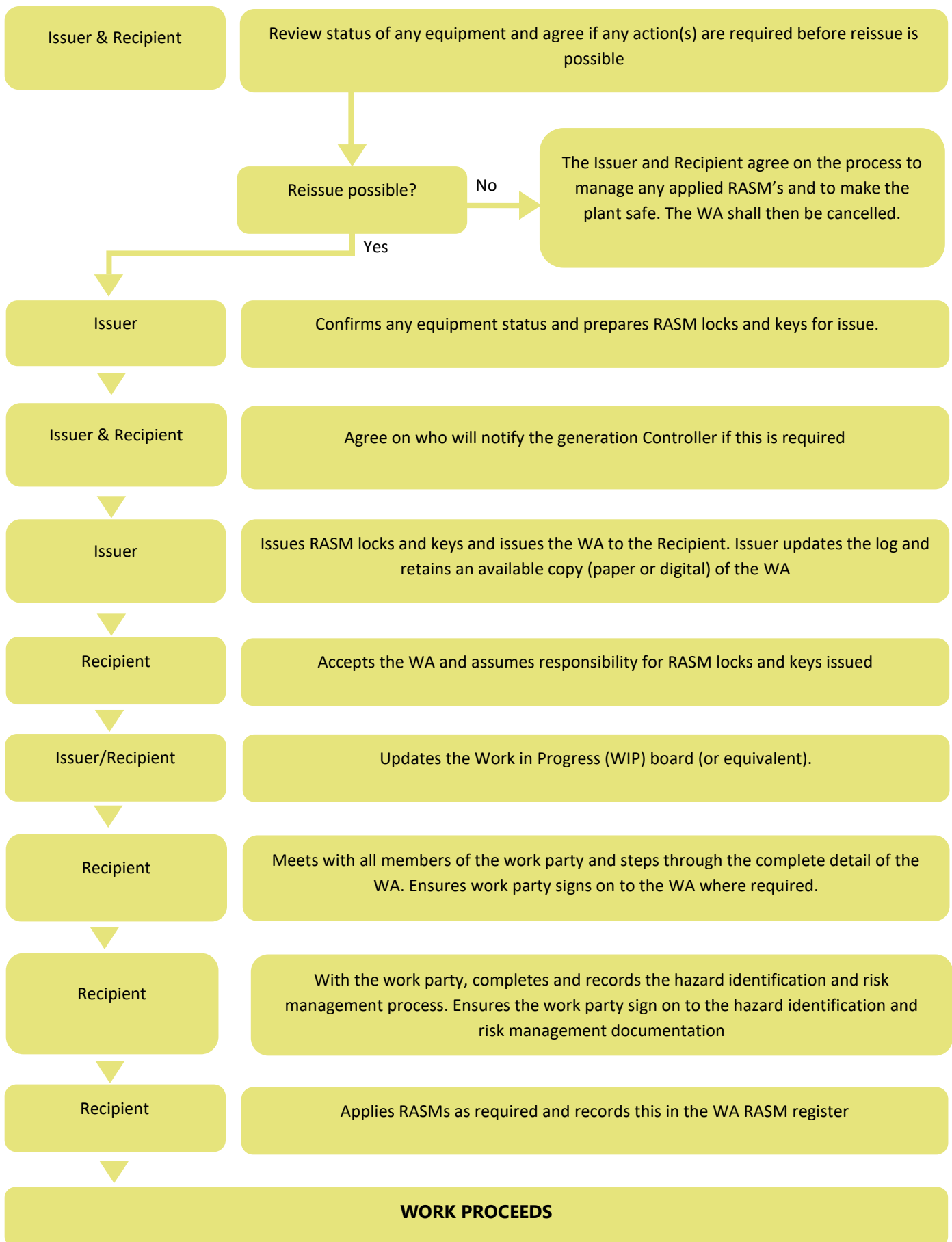
3. Management of Recipient Applied Safety Measures



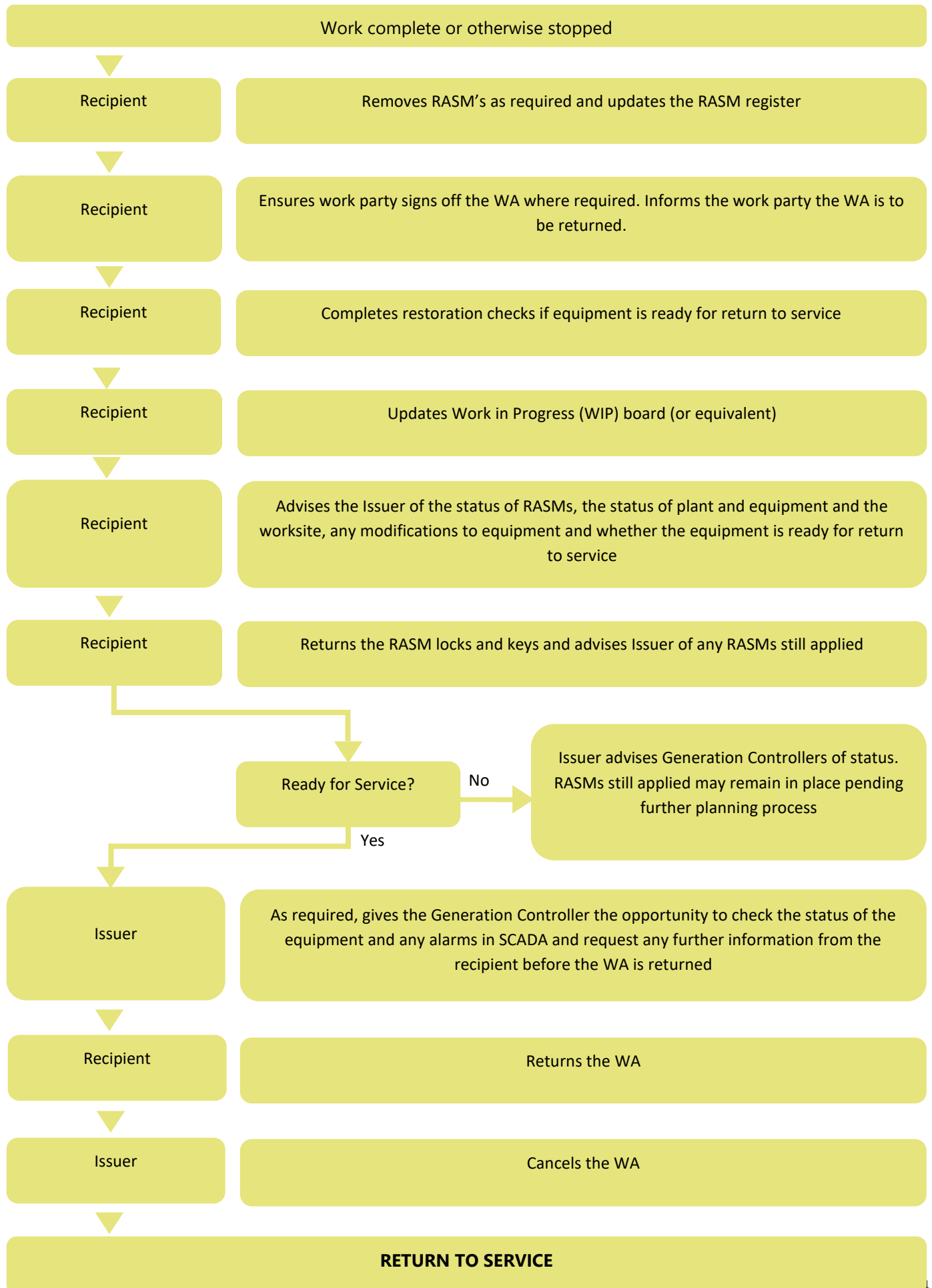
4. Work Authority – Daily Return




5. Work Authority – Daily Reissue



6. Returning a Work Authority for Cancellation



8. WORK AUTHORITY FORMS

 Electrical Industry Health & Safety Group		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Work Authority </div>		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Work Control Number </div>	
--	--	--	--	--	--

Recipient Name		Company		Contact Number		Competency Expiry	
Equipment to be Worked On						Station	
Work to be Done						Return By (must not exceed 14 days)	Date Time
Precautions						Daily Return	Yes / No

RASM - Record all the Issuer Agreed, Recipient Applied Safety Measures and Plant Status Control Measures, in accordance with the StayLive Work Control Procedures.						
	Isolation Point	Isolation Method	Issuer Agreed (Initial)	Lock No	Applied (Initial)	Removed (Initial)
1						
2						
3						
4						
5						

Issue	Issuer Name		Competency Expiry		Issued Via	Hand / Verbal / Digital
	Issuer Signature		Date	Time		
Acceptance	Recipient Signature		Date	Time		

Daily Return					Daily Reissue			
	Recipient Signature	Issuer Name & Signature	Date	Time	Issuer Name & Signature	Recipient Signature	Date	Time
1								
2								
3								
4								

Return for Cancellation					Returned Via	Hand / Verbal / Digital
Recipient Signature					Date	Time
Equipment Modifications						
Issuer Name		Issuer Signature		Date	Time	

Figure 1 - Example WA Issue and Acceptance Form

Work Party

Work Control Number

I understand the equipment as detailed is available to work on.	Date (dd/mm)	Name (Print)	Sign On	I understand the equipment is no longer available to work on.	Sign Off
		a			
	b				b
	c				c
	d				d
	e				e
	f				f
	g				g
	h				h
	i				i
	j				j
	k				k
	l				l
	m				m
	n				n
	o				o
	p				p
	q				q
	r				r
	s				s
	t				t
	u				u
	v				v
	w				w
	x				x
	y				y
	z				z

Figure 2 – Example WA Work Party Sign on Form

Recipient Applied Safety Measures

Work Control Number

Record all the Issuer Agreed, Recipient Applied Safety Measures and Plant Status Control Measures, in accordance with the StayLive Work Control Procedures.

	Isolation Point	Isolation Method	Issuer Agreed (Initial)	Lock No.	Applied (Initial)	Removed (Initial)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Recipient: I have checked and I am satisfied that all safety measures applied by my work party have been removed.

Recipient Name

Recipient Signature

Date

Time

Figure 3 – Example Supplementary RASM Register

9. WCP GLOSSARY

Terms	Definition
Access Permit [AP]	A Works Management System used to present out of service equipment in an agreed and defined state for work, using issuer applied safety measures, where the work does not include the introduction of primary energy sources, test voltages or potentially lethal hazards
Actioner	The competent person physically carrying out actions defined in the operating order or isolation instruction.
Allocate	To pass from one operating employee to another the instructions for carrying out defined operating actions.
Alteration	An agreed addition or deletion of an issuer applied safety measure on an issued Access Permit. Not allowed on a Test Permit.
Approved	Having an asset owner's or employer's endorsement for a specified function or purpose.
Asset Owner [AO]	A participant in the electricity supply industry who owns plant or equipment used for generating or conveying electricity ultimately responsible for safety at site.
Assurance	The Assurance is an administrative system between different asset owners used to confirm the agreed and defined state, of equipment not under the control of the Issuer, necessary for Access or Test Permits.
But Note That:	Field on a permit where the Issuer indicates any remaining hazards.
Checker	The second competent person that verifies the draft operating order or isolation instruction sequence and content achieves the objective.
Competent	Has the necessary ability, knowledge, and skill to carry out work safely and to the quality and standard required.
Compiler	The competent person developing a draft operating order or isolation instruction.
Conductor	Material used for the conveyance of electricity.
Daily Meetings	A meeting to communicate the key aspects for the intended work, specifically for all work party supervisors to meet with the asset owner to discuss and document the nature and location of each party's work and the hazards that may be created through their work.
De-energised	Not connected to or containing a source of energy, e.g., electrical, steam, compressed air, hydraulic.
Delegate	To assign a task or responsibility to another competent person. E.g. a Permit Recipient may delegate the application and removal of approved RASM's to an AP Supervisor
Departing Recipient	The Recipient of a Permit that is to be transferred to a New Recipient
Earthed	Effectively connected to the general mass of earth.
Earthing Device	An approved device to effectively connect equipment to the general mass of earth.
Earth switch	A switch that when closed provides an electrical connection between equipment and the general mass of earth.
Energised	Connected to or containing a source of energy, e.g., electrical, steam, compressed air, hydraulic.
Equipment	Electrical and mechanical apparatus and civil infrastructure, which is typically fixed in location, and used for generation, transmission, or distribution of electricity.
Extra Low Voltage [ELV]	Any voltage normally not exceeding 50 volts AC or 120 volts ripple-free DC

Gate	Spillway, sluice, headgate, control gate or valves performing the same (or similar) function
General Work	A Minor Works Management System, applied to manage work that presents no risk to equipment operation, or resource consent compliance.
Generation Controller (Function)	An employee at a Generation Control Centre with Point of Control for plant operation within their area of responsibility.
Hazard	Anything that can cause harm, including a person's behaviour, that has the potential to cause death, injury, or illness to a person.
High Voltage [HV]	Any voltage exceeding 1000 V ac. or 1500 V dc.
In Service	The state of equipment that is not isolated: and is in a state to perform its designated function.
Isolated	Deliberately disconnected from external sources of harm, e.g., energy (electrical or mechanical) or asphyxiating, toxic or flammable gas, and rendered incapable of being reconnected without deliberate action.
Isolation (De-isolation) Instruction	A list of operating instructions (not sequenced) compiled in an approved format required to isolate or de-isolate a defined asset or equipment.
Isolation Point	A location designed as a facility to safely disconnect, separate, or provide a barrier between an energy source and intended work area for any work management system
Issuer	A competent worker that administers WA/AP/TP and Assurance documentation as prescribed within Issuer responsibilities.
Issuer Applied Safety Measures [IASM]	Safety measures under a Work Management System applied by, or on behalf of the Issuer for work or testing on equipment presented in a defined state, removed from and unavailable for service
Hazard ID and Risk Management Process	Summary of work scope, associated hazards and their controls and work party acknowledgement, understanding and compliance with these controls. Includes Job Safety Analysis and Worksite Safety Plans
Limited Testing	Limited testing is permitted under an AP, but only after a risk assessment has been completed to ensure such testing has insufficient capacity to cause harm.
Live	Connected to a source of electrical supply or subject to hazardous induced or capacitive voltage.
Live Work	Work performed inside the minimum approach distance of equipment that is live.
Lock Box	A lockable facility for securing keys, fuses etc. associated with safety measures controlled under a Works Management System.
Low Voltage [LV]	Any voltage exceeding 50 V ac. or 120 V ripple free dc. but not exceeding 1000 V ac. or 1500 V dc.
Main Boundary Isolation	IASM's on energy sources that form the main perimeter of isolations for a permit. These are of a nature that if altered, would introduce a safety risk to a work party.
Major Isolations	IASM's that isolate a primary or significant energy source or are of a nature that if altered would introduce a safety risk to a work party. Can be a main boundary isolation or within the perimeter.
Minimum Approach Distance [MAD]	The MAD is the minimum safe distance that workers, vehicles, and mobile plant shall be separated from live conductors to prevent the risk of accidental contact and electric shock.
Minor Works Management System [MWMS]	A system used to manage work where an Access Permit, or Test Permit is not required, and the supervisor manages the control measures. General work or a work authority is used in this context.
New Recipient	A Recipient accepting a Permit via the Recipient transfer process.
Objective	The purpose or outcome required for an operating order or isolation (de-isolation) instruction.

Operating Action	An action that changes the status of equipment. Achieved automatically, manually, remotely, or actioned through an operating order or isolation instruction.
Operational Control	The assigned authority and ability to change the status of equipment.
Operational Locks	Locks used to maintain the operational status of plant and equipment, or control access to operational areas.
Operating Order [OO]	A planned sequence of operating actions (or a single action) that has been compiled in an approved format
Outage	The release of equipment or plant via a formal request and approval process.
Permit Area	The defined work area for an Access Permit or Test Permit
Permit Competency	An employer recognition of training and experience stating a person is competent to be an AP/TP Recipient, Issuer, or both.
Planning Function	Roles that support planning and coordination of work and work safety.
Plant	Additional to equipment, infrastructure at or associated with a generation facility.
Plant Outage Request [POR]	Formal request for an outage on generation equipment.
Plant Status Control	Measures required for managing changes to the status of plant rather than personal safety during a Work Control Procedure. Managed under RASM protocols.
Point of Control [POC]	The responsibility from which operational control of equipment is held within an organisation.
Portable Earth	An approved portable earthing device for temporarily earthing isolated equipment.
Pre-Work Planning	The process of developing a work plan prior to work commencing.
Primary Energy Source	The main source(s) of energy used to energise equipment e.g., live high voltage, high pressure steam, penstock pressure water
Production	Continuity of planned generation
Receiver	The person receiving an assurance that safety measures have been applied as requested to assets under the control of the sender.
Recipient	A competent worker that receives and manages Work Authorities, Access, or Test permits.
Recipient Applied Safety Measures [RASM]	Safety measures applied by or on behalf of the work site Supervisor for General Work, or Recipient for Work Authorities, Access, and Test Permits.
Recipient Applied Safety Measures Register	Formal record of all recipient-applied measures to ensure safe management of isolation points or plant status.
Remote Access	Access to plant and equipment systems (e.g., control, protection, communication) via a network when physically located elsewhere.
Risk	Potential exposure to situations that may affect people's health and safety, plant and equipment operation or the environment.
Safety Manual - Electricity Industry [SM-EI]	Guidance on safety practices published by the electricity supply industry.
Safety Measures	Actions taken to present equipment in an agreed state.
Safety Measure Competence	Competence to apply safety measures as specified in the applicable WCP
Sender	The person sending an Assurance that safety measures have been applied as requested to assets under the control of the sender.
Standard Operating Procedures [SOP]	A documented and approved procedure or instructions for an established routine or specific operational activity.
State of Equipment	A description of the current status of the equipment.

Stored Energy	Any form of energy that remains in a system after it has been isolated, and which could unexpectedly release and cause harm if not properly controlled.
Supervisor (Access Permit)	A role performed by the Recipient, or competent person(s) agreed with the Recipient, with specific responsibilities for the Access Permit process, safety and integrity.
Supervisor (Test Permit)	A role performed by the Recipient with specific responsibilities for the Test Permit process, safety, and integrity.
Supervisor (Test Permit Work Position)	An additional role appointed by the Test Permit Recipient with specific responsibilities for work position process, safety, and integrity for every working position that the Recipient of a Test Permit cannot supervise directly.
Supervisor (Work Party)	A role performed by a competent person at the worksite responsible for the safety, quality, and control of the work activity.
Suspension	Status of an Access Permit when it is returned by the Recipient to the Issuer but not reissued or cancelled. A Test Permit shall not be returned for suspension.
Switchyard	A restricted area, enclosed by a security fence or other secure boundary, containing normally energised conductors and equipment.
Tag	A label used to visually identify a safety measure or isolation point.
Test Permit [TP]	A Works Management System used to present equipment in an agreed and defined state for testing, using Issuer applied safety measures, where testing includes the introduction of primary energy sources, test voltages or potentially lethal hazards. The process allows for the agreed removal of IASM's to facilitate testing.
The Log	A complete record of all operating actions and events, time stamped as they occur.
Transfer (Permit)	The process of transferring a Permit from one Recipient to another.
Work Authority [WA]	A Minor Works Management System, for work on or near in service or available for service equipment where that work may present a risk to equipment operation or affect resource consent compliance.
Work Authority Competence [WAC]	An employer recognition of training and experience stating a person is competent to be a work authority Recipient, Issuer, or both.
Work Management System	A documented system to control risks for work on or near equipment which is presented in an agreed and defined state. An Access Permit, Test Permit or assurance is used in this context.
Work Position	The location(s) where work activity is taking place.