ELECTRICITY INDUSTRY PARTICIPATION CODE
DISTRIBUTOR AUDIT REPORT

For

TOP ENERGY LTD

Prepared by: Allan Borcoski - Borcoski Energy Services Ltd

Date audit commenced: 22 October 2021

Date audit report completed: 5 November 2021

Audit report due date: 19-Nov-21

TABLE OF CONTENTS

Executive summary 4
Audit summary 5

Non-compliances 5
Recommendations 5
Issues 5

1. Administrative 6

1.1. Exemptions from Obligations to Comply With Code (Section 11) 6
1.2. Structure of Organisation 6
1.3. Persons involved in this audit 7
1.4. Use of contractors (Clause 11.2A) 7
1.5. Supplier list 7
1.6. Hardware and Software 7
1.7. Breaches or Breach Allegations 9
1.8. ICP and NSP Data 9
1.9. Authorisation Received 9
1.10. Scope of Audit 9
1.11. Summary of previous audit 9

2. Operational Infrastructure 10

2.1. Requirement to provide complete and accurate information (Clause 11.2(1) and 10.6(1)) 10
2.2. Requirement to correct errors (Clause 11.2(2) and 10.6(2)) 11
2.3. Removal or breakage of seals (Clause 48(1A) and 48(1B) of Schedule 10.7) 12
2.4. Provision of information on dispute resolution scheme (Clause 11.30A) 13

3. Creation of ICPs 14

3.1. Distributors must create ICPs (Clause 11.4) 14
3.2. Participants may request distributors to create ICPs (Clause 11.5(3)) 14
3.3. Provision of ICP Information to the registry manager (Clause 11.7) 15
3.4. Timeliness of Provision of ICP Information to the registry manager (Clause 7(2) of Schedule 11.1) 17
3.5. Timeliness of Provision of Initial Electrical Connection Date (Clause 7(2A) of Schedule 11.1) 17
3.6. Connection of ICP that is not an NSP (Clause 11.17) 17
3.7. Connection of ICP that is not an NSP (Clause 10.31) 18
3.8. Temporary electrical connection of ICP that is not an NSP (Clause 10.31A) 18
3.9. Connection of NSP that is not point of connection to grid (Clause 10.30) 19
3.10. Electrical connection of NSP that is not point of connection to grid (Clause 10.30A and 10.30B) 20
3.11. Definition of ICP identifier (Clause 1(1) Schedule 11.1) 20
3.12. Loss category (Clause 6 Schedule 11.1) 21
3.13. Management of “new” status (Clause 13 Schedule 11.1) 23
3.14. Monitoring of “new” & “ready” statuses (Clause 15 Schedule 11.1) 23
3.15. Embedded generation loss category (Clause 7(6) Schedule 11.1) 24
3.16. Electrical connection of a point of connection (Clause 10.33A) 24
3.17. Electrical disconnection of a point of connection (Clause 10.30C and 10.31C) 24
3.18. Meter bridging (Clause 10.33C) 25

4. Maintenance of registry information 26

4.1. Changes to registry information (Clause 8 Schedule 11.1) 26

4.2. Notice of NSP for each ICP (Clauses 7(1),(4) and (5) Schedule 11.1) 26
4.3. Customer queries about ICP (Clause 11.31)..... 28
4.4. ICP location address (Clause 2 Schedule 11.1)..... 29
4.5. Electrically disconnecting an ICP (Clause 3 Schedule 11.1) 31
4.6. Distributors to Provide ICP Information to the Registry manager (Clause 7(1) Schedule 11.1)..... 31
4.7. Provision of information to registry after the trading of electricity at the ICP commences (Clause 7(3) Schedule 11.1)..... 35
4.8. GPS coordinates (Clause 7(8) and (9) Schedule 11.1) 35
4.9. Management of "ready" status (Clause 14 Schedule 11.1) 35
4.10. Management of "distributor" status (Clause 16 Schedule 11.1)..... 36
4.11. Management of "decommissioned" status (Clause 20 Schedule 11.1)..... 36
4.12. Maintenance of price category codes (Clause 23 Schedule 11.1)..... 40

5. Creation and maintenance of loss factors..... 41

5.1. Updating table of loss category codes (Clause 21 Schedule 11.1)..... 41
5.2. Updating loss factors (Clause 22 Schedule 11.1)..... 41

6. Creation and maintenance of NSPs (including decommissioning of NSPs and transfer of ICPs) 42

6.1. Creation and decommissioning of NSPs (Clause 11.8 and Clause 25 Schedule 11.1) 42
6.2. Provision of NSP information (Clause 26(1) and (2) Schedule 11.1)..... 42
6.3. Notice of balancing areas (Clause 24(1) and Clause 26(3) Schedule 11.1) 42
6.4. Notice of supporting embedded network NSP information (Clause 26(4) Schedule 11.1)..... 42
6.5. Maintenance of balancing area information (Clause 24(2) and (3) Schedule 11.1) . 42
6.6. Notice when an ICP becomes an NSP (Clause 27 Schedule 11.1)..... 42
6.7. Notification of transfer of ICPs (Clause 1 to 4 Schedule 11.2)..... 42
6.8. Responsibility for metering information for NSP that is not a POC to the grid (Clause 10.25(1) and 10.25(3)) 42
6.9. Responsibility for metering information when creating an NSP that is not a POC to the grid (Clause 10.25(2)) 42
6.10. Obligations concerning change in network owner (Clause 29 Schedule 11.1) 42
6.11. Change of MEP for embedded network gate meter (Clause 10.22(1)(b))..... 42
6.12. Confirmation of consent for transfer of ICPs (Clauses 5 and 8 Schedule 11.2) 42
6.13. Transfer of ICPs for embedded network (Clause 6 Schedule 11.2)..... 42

7. Maintenance of shared unmetered load 43

7.1. Notification of shared unmetered load ICP list (Clause 11.14(2) and (4))..... 43
7.2. Changes to shared unmetered load (Clause 11.14(5)) 43

8. Calculation of loss factors..... 44

8.1. Creation of loss factors (Clause 11.2)..... 44

Conclusion 45

Participant response..... 45

EXECUTIVE SUMMARY

Top Energy Ltd intends to replace the existing ICP database Club ICP, as signalled in the last distributor audit report, with a new cloud-based system called Axos Registry Manager. The application has been developed by Axos Systems.

Clause 16A.11 of Part 16 requires that, if a reconciliation participant intends to make a "material" change to any certified facilities, processes, or procedures, then the changes must be subject to an audit prior to the change taking place. This audit was performed at the request of Top Energy Ltd so that it can be supplied to the Electricity Authority to satisfy the requirements of clause 16A.11(1). The relevant rules audited are as required by the Distributor Auditor Guidelines V7.2, issued by the Electricity Authority.

The Axos Registry Manager system is a cloud operated system using common code and functionality services several distributors in the industry as well as Top Energy Ltd. The system mimics the Registry with information fields and screen layouts that are similar in look and feel to the Registry. Data input is intuitive with same validation rules and error messaging as the Registry. It is expected that no incomplete or errored ICP level information will be uploaded to the Registry post Axos Registry Manager implementation. Timeliness of information input to the registry will not be directly influenced by Axos Registry Manager implementation, although potential efficiency gains may have a positive effect.

The test plan (UAT) and test results, the Axos System Documentation examined along with live demonstrations of functionality established compliance is highly likely to be achieved when the Axos Registry Manager (RM) system is implemented. There were no undesirable features identified from the UAT test results.

The audit was conducted by video conference calls on the 26, 27 and 28 October 2021.

We thank the Top Energy Ltd staff for their full and complete cooperation in this audit.

AUDIT SUMMARY

NON-COMPLIANCES

Subject	Section	Clause	Non Compliance	Controls	Audit Risk Rating	Breach Risk Rating	Remedial Action
Future Risk Rating							

RECOMMENDATIONS

Subject	Section	Recommendation	Description

ISSUES

Subject	Section	Issue	Description

1. ADMINISTRATIVE

1.1. Exemptions from Obligations to Comply With Code (Section 11)

Code reference

Section 11 of Electricity Industry Act 2010.

Code related audit information

Section 11 of the Electricity Industry Act provides for the Electricity Authority to exempt any participant from compliance with all or any of the clauses.

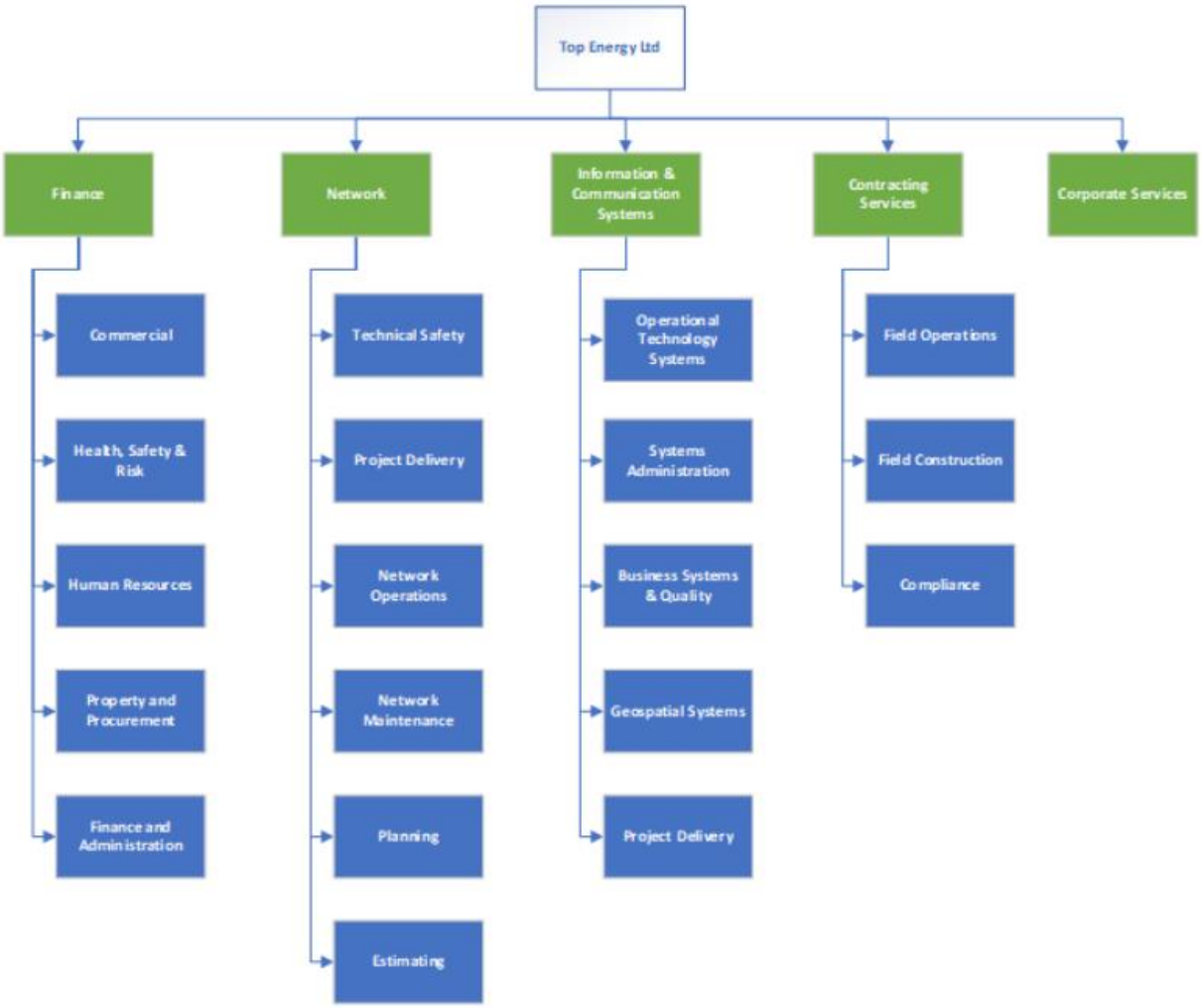
Audit observation

This was discussed with TOPE Staff.

Audit commentary

TOPE Staff advise there are no exemptions in place, relevant to the scope of this audit. The Electricity Authority website confirms this.

1.2. Structure of Organisation



1.3. Persons involved in this audit

Name	Title	Company	Comment
Paul Doherty	General manager Finance	Top Energy Ltd	
Simon Bocock	Commercial and Pricing Manager	Top Energy Ltd	Contact Person
Sandra Dearnley	GIS Technician	Top Energy Ltd	
Rachel Cornwell	Metering Services Co-ordinator	Top Energy Ltd	
Ester Delamain	Business Analyst	Top Energy Ltd	
Helen Rush	Administrator	Top Energy Ltd	
Allan Borccoski	Electricity Authority approved Auditor	Borcoski Energy Services Ltd	

1.4. Use of contractors (Clause 11.2A)

Code reference

Clause 11.2A

Code related audit information

A participant who uses a contractor

- *remains responsible for the contractors fulfillment of the participants Code obligations*
- *cannot assert that it is not responsible or liable for the obligation due to the action of a contractor*
- *must ensure that the contractor has at least the specified level of skill, expertise, experience, or qualification that the participant would be required to have if it were performing the obligation itself*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

There were no external contractors used in the implementation of Axos Registry Manager. Axos Systems staff provided support as the vendor and cloud operator of the Application.

1.5. Supplier list

Axos Registry Manager is supplied and operated in the Cloud by Axos Systems.

1.6. Hardware and Software

As signalled in the last distributor audit Top Energy have decided to replace its existing ICP management system Club ICP with Axos Registry Manager (RM). Top Energy have used the

Axos Billing application for some time and is familiar with the Axos environment, making the implementation of RM straightforward.

RM will interface with the Registry using SFTP.

RM will populate and maintain ICP attributes and associated information only through the whole ICP lifecycle. Associated customer and retailer information will continue to be maintained in the existing CRM application sales Force. There will be no material changes to ICP management processes or the CRM.

Information can be added or changed in RM and uploaded to the Registry in a daily SFTP file transfer (at 4am each day) or by individual ICP at the time of data entry as required.

RM will synchronise the entire data set with the registry daily by requesting a LIS file (PR-010) from the Registry and comparing that returned file with the information held in RM. Where there are differences identified between the Registry and RM, RM will request an EDA from the Registry for those ICPs with different information. Using the daily synchronisation process RM creates a list of ICPs where information has changed.

Both the request and response files are able to be reviewed and response file containing errors are checked daily. Audit references for each transaction are populated in RM with each successful synchronisation with Registry.

The synchronisation process can also be run on individual ICPs or small groups of ICPs so changes that have been made at data entry can be validated.

TOPE will keep RM updated with the following standing information:

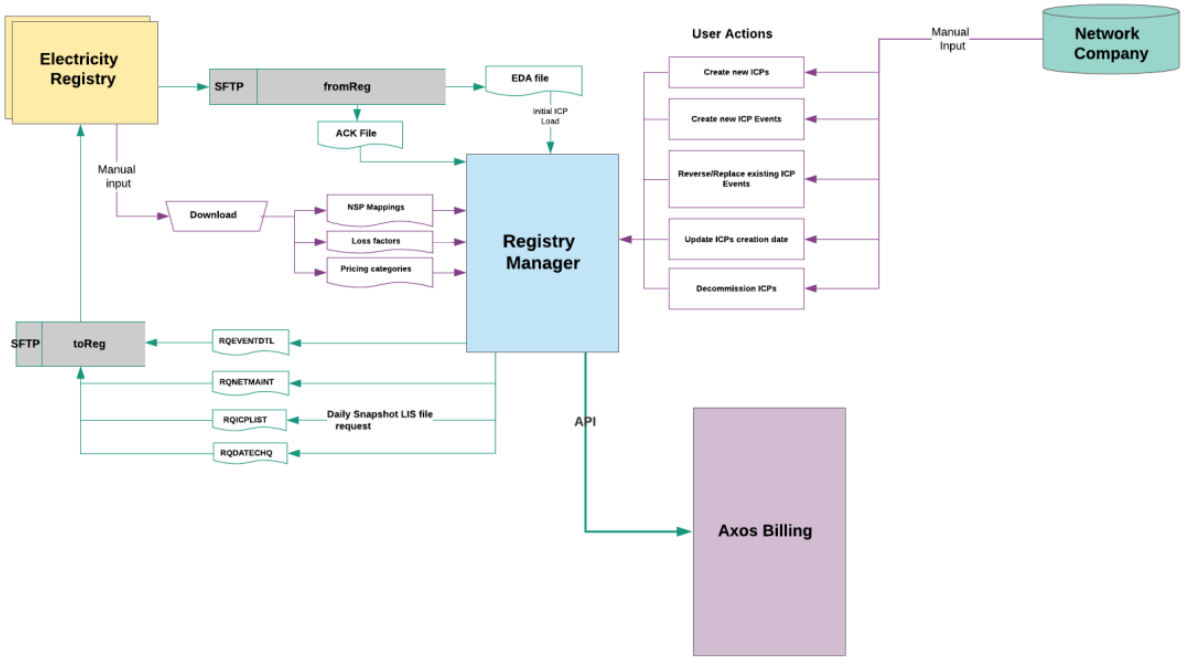
- NSP Mappings
- Pricing Categories
- Registry Loss Factors
- Organisation details

Once the RM synchronisation process has completed the ICP list screen will identify each ICPs synchronisation status using one of the following icons:

	Sync was successful	ICP is synchronised with NZER
	Unsynchronised status	ICP is pending for the down synchronisation process
	Synchronisation data will be sent	Registry Manager will send a file to the Registry for validation and acceptance during the next scheduled run.
	Synchronisation data waiting for response	ICP new/updated event data was sent to the registry. A response from the registry is still pending.
	Sync was unsuccessful	ICP was sent to NZER but the response file has come back with errors leaving the ICP unsynchronised.

The RM system was comprehensively tested using the Registry UAT functionality. A thorough UAT test plan and results were observed.

Registry Manager Workflow



1.7. Breaches or Breach Allegations

The Electricity Authority website was checked and no breaches or alleged breaches were identified.

1.8. ICP and NSP Data

Not Applicable

1.9. Authorisation Received

Authorisation was obtained.

1.10. Scope of Audit

The scope of the material change audit:

(a) -The creation of ICP identifiers for ICPs

(b) -The provision of ICP information to the registry and the maintenance of that information

The purpose of this audit is to evaluate participants' compliance with the Code, with respect to changes made to the ICP management systems that interfaces with the Registry.

1.11. Summary of previous audit

Not applicable

2. OPERATIONAL INFRASTRUCTURE

2.1. Requirement to provide complete and accurate information (Clause 11.2(1) and 10.6(1))

Code reference

Clause 11.2(1) and 10.6(1)

Code related audit information

A participant must take all practicable steps to ensure that information that the participant is required to provide to any person under Parts 10 or 11 is:

a) complete and accurate
b) not misleading or deceptive
c) not likely to mislead or deceive.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of ICP information input was observed.

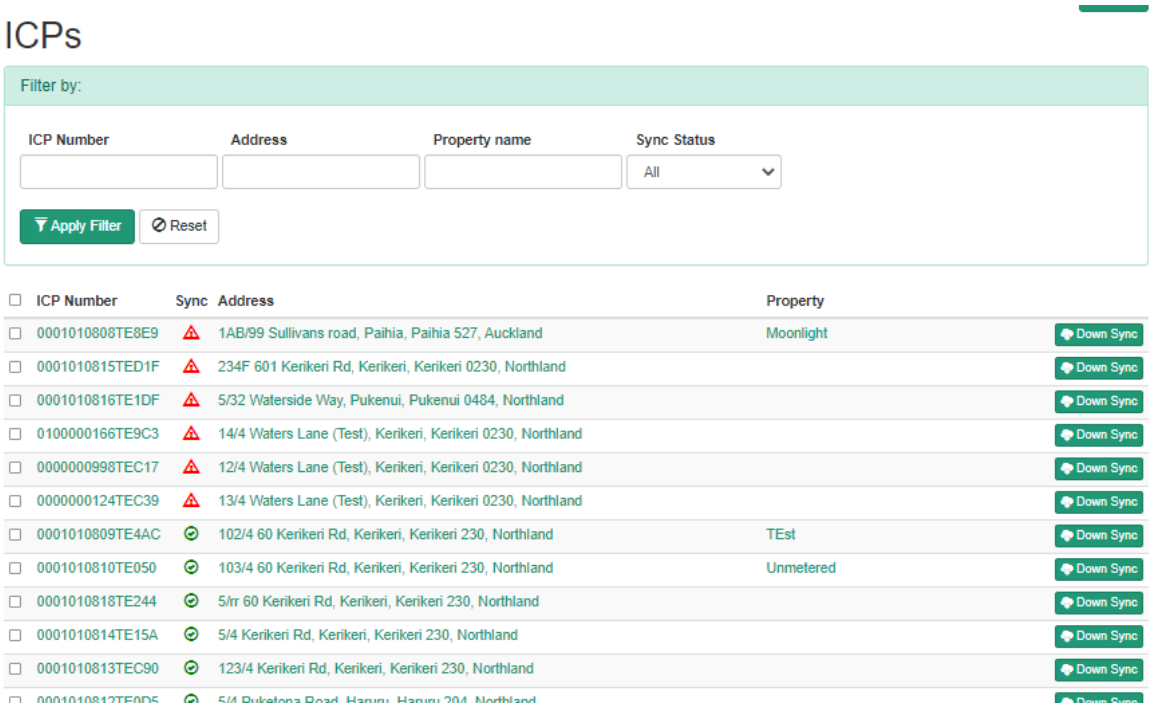
Audit commentary

Data entry errors would be unlikely post RM implementation due to the field level validation features of RM. These include drop box selection and missing information provide error prompts to the user to correct the error. The user has the choice of uploading the information to the registry in real time or allow the daily synchronisation process to upload the information to the Registry. Either way missing mandatory or incorrect information will not upload into the Registry forcing user action to correct any errors before proceeding.

The daily synchronisation process flags and reports ICPs or information that would not load due to errors. A daily process to investigate and correct errors will be in place.

RM will not change time based non-compliance such as the 3 day or 10 day requirement to update the Registry following an ICP parameter change for example. This is due to the process of obtaining information from third parties or the field not being changed by the implementation of RM.

The UAT testing included testing of both correct and incorrect information input and missing mandatory information. The expected results were observed in both RM and the Registry (UAT).



Examples of ICPs that could not be input to the Registry due to errors.

Checks demonstrated RM met code requirement.

Audit outcome

Compliant

2.2. Requirement to correct errors (Clause 11.2(2) and 10.6(2))

Code reference

Clause 11.2(2) and 10.6(2)

Code related audit information

If the participant becomes aware that in providing information under this Part, the participant has not complied with that obligation, the participant must, as soon as practicable, provide such further information as is necessary to ensure that the participant does comply.

Audit observation

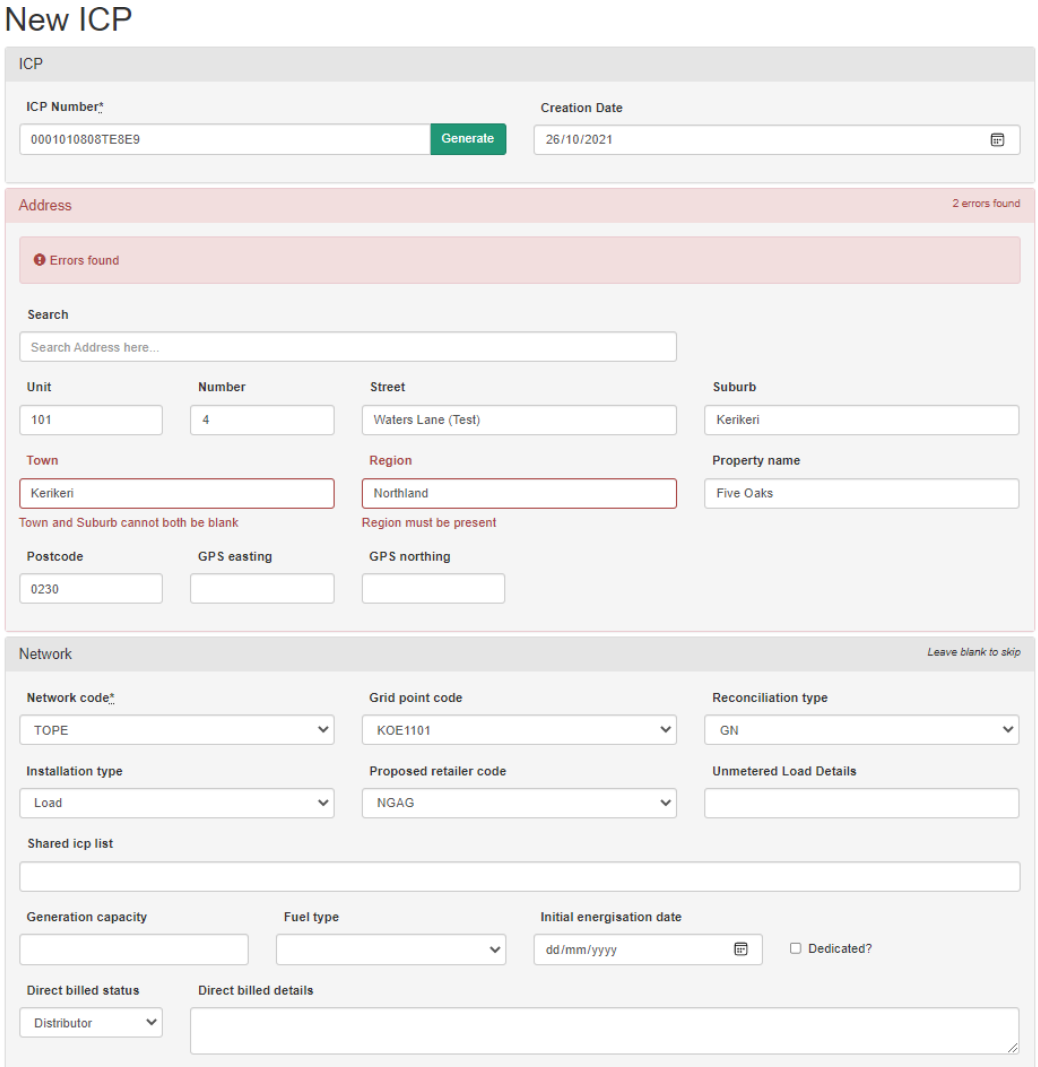
This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of ICP information input was observed.

Audit commentary

The user has the choice of uploading the information to the registry in real time or allow the daily synchronisation process to upload the information to the Registry. Either way missing or incorrect information will not upload into the Registry forcing user action to correct any errors before proceeding.

The daily synchronisation process flags and reports ICPs or information that would not load due to errors. A daily process to investigate and correct errors will be in place.

The UAT testing included testing of both correct and incorrect information input and missing mandatory information. The expected results were observed in both RM and the Registry (UAT).



Example of an address error requiring correction after unsuccessful upload to the Registry

Checks demonstrated RM met code requirement.

Audit outcome

Compliant

2.3. Removal or breakage of seals (Clause 48(1A) and 48(1B) of Schedule 10.7)

Code reference

Clause 48(1A) and 48(1B) of Schedule 10.7

Code related audit information

If the distributor provides a load control signal to a load control switch in the metering installation, the distributor can remove or break a seal without authorisation from the MEP to bridge or unbridge the load control device or load control switch – as long as the load control switch does not control a time block meter channel.

If the distributor removes or breaks a seal in this way, it must:

- *ensure personal are qualified to remove the seal and perform the permitted work and they replace the seal in accordance with the Code*
- *replace the seal with its own seal*
- *have a process for tracing the new seal to the personnel*
- *notify the metering equipment provider and trader*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

2.4. Provision of information on dispute resolution scheme (Clause 11.30A)

Code reference

Clause 11.30A

Code related audit information

A distributor must provide clear and prominent information about Utilities Disputes:

- *on their website*
- *when responding to queries from consumers*
- *in directed outbound communications to consumers about electricity services and bills.*

If there are a series of related communications between the distributor and consumer, the distributor needs to provide this information in at least one communication in that series.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3. CREATION OF ICPS

3.1. Distributors must create ICPs (Clause 11.4)

Code reference

Clause 11.4

Code related audit information

The distributor must create an ICP identifier in accordance with Clause 1 of Schedule 11.1 for each ICP on the distributor's network. This includes an ICP identifier for the point of connection at which an embedded network connects to the distributor's network.

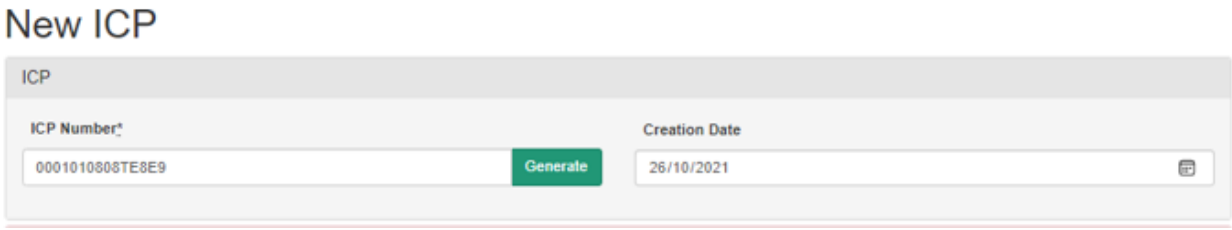
Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

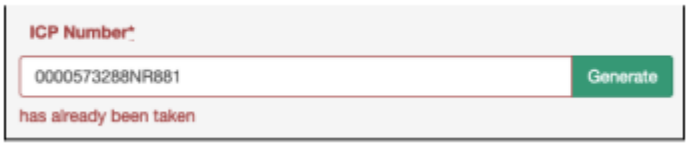
Audit commentary

The new connection application process will not change with the implementation of RM. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry.

The user has the option to generate an ICP outside of RM and then populate it into RM or have RM generate the ICP. Either way it is validated and will not upload if there are any errors identified.



Example of an RM error message.



Checks of the UAT results and live demonstrations confirmed RM met code requirement.

Audit outcome

Compliant

3.2. Participants may request distributors to create ICPs (Clause 11.5(3))

Code reference

Clause 11.5(3)

Code related audit information

The distributor, within 3 business days of receiving a request for the creation of an ICP identifier for an ICP, must either create a new ICP identifier or advise the participant of the reasons it is unable to comply with the request.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

Customers or their agents apply directly to Top Energy for a new ICP connection to the network. Participants do not apply for or request ICPs on the Top Energy network.

There will be no change to this process as a result of the RM implementation. The RM system will not have any impact on this clause.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.3. Provision of ICP Information to the registry manager (Clause 11.7)

Code reference

Clause 11.7

Code related audit information

The distributor must provide information about ICPs on its network in accordance with Schedule 11.1.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

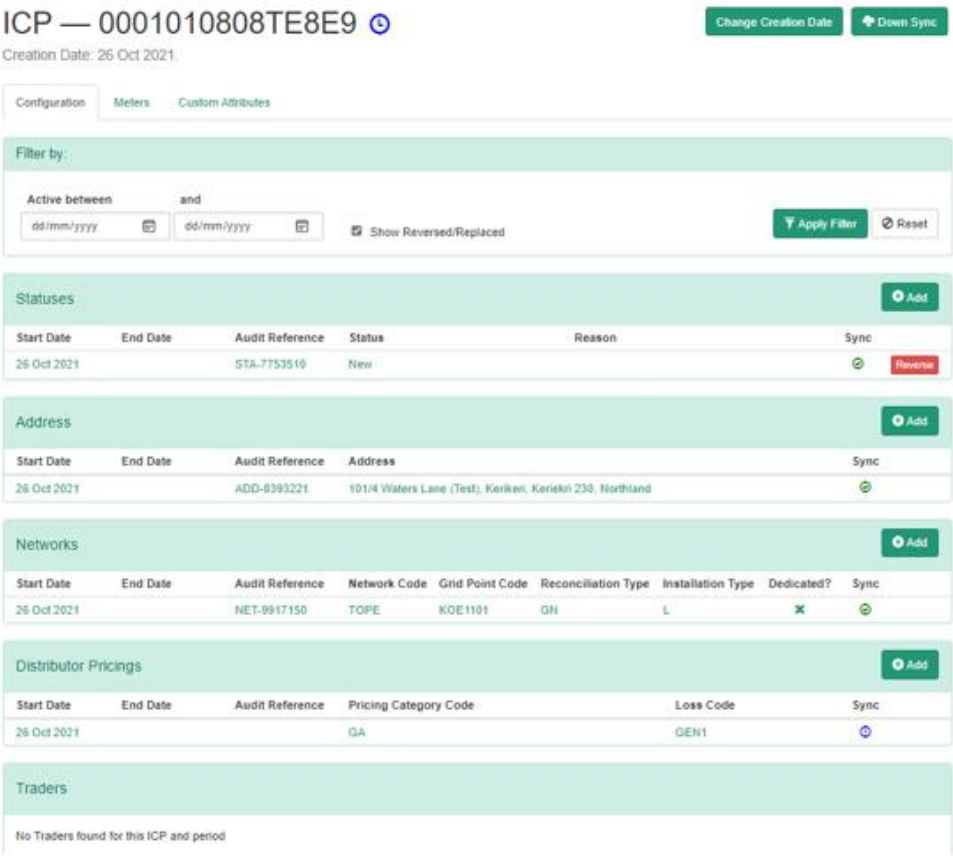
Audit commentary

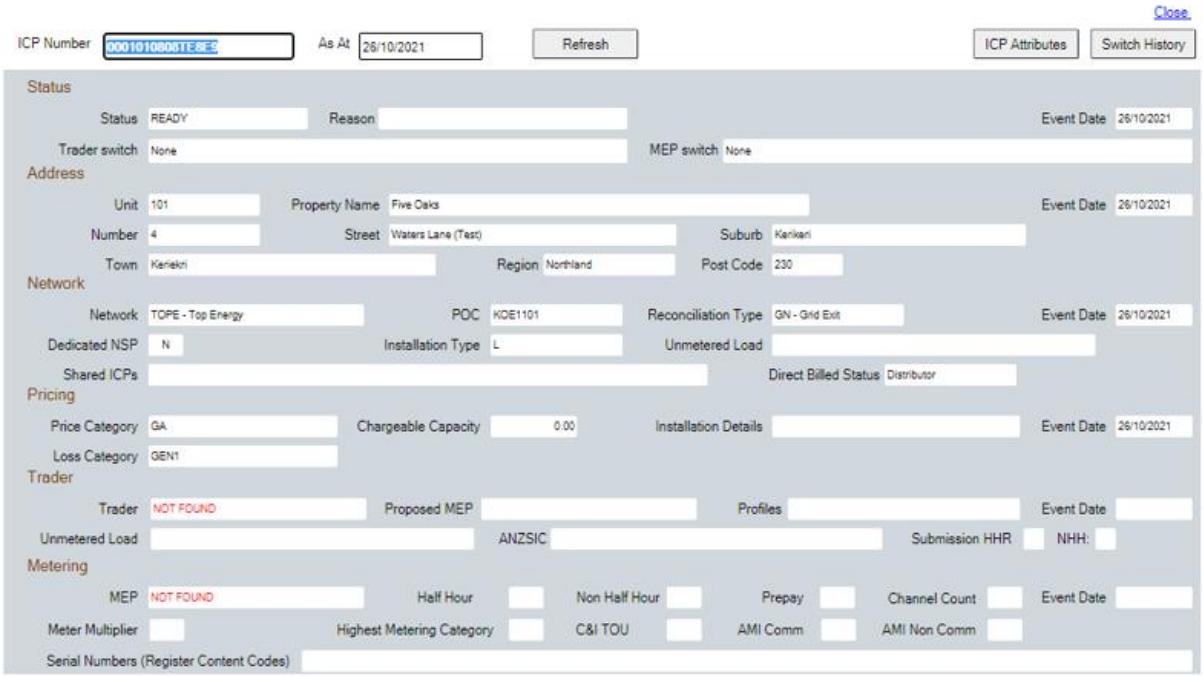
The new connection application process will not change with the implementation of RM. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry.

The following screen shots demonstrate the ICP creation process in RM and the resulting ICP in the Registry.

The RM screen shot below shows information loaded and ready to upload to the Registry in Ready status. Note the New status is in RM only.

Include Network data and synchronise to Ready status





Checks of the UAT results and live demonstrations confirmed RM met code requirement.

Audit outcome

Compliant

3.4. Timeliness of Provision of ICP Information to the registry manager (Clause 7(2) of Schedule 11.1)

Code reference

Clause 7(2) of Schedule 11.1

Code related audit information

The distributor must provide information specified in Clauses 7(1)(a) to 7(1)(o) of Schedule 11.1 as soon as practicable and prior to electricity being traded at the ICP.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

The new connection application process will not change with the implementation of RM.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.5. Timeliness of Provision of Initial Electrical Connection Date (Clause 7(2A) of Schedule 11.1)

Code reference

Clause 7(2A) of Schedule 11.1

Code related audit information

The distributor must provide the information specified in subclause (1)(p) to the registry manager no later than 10 business days after the date on which the ICP is initially electrically connected.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

The timeliness of the provision of the Initial Electrical Connection Date to the registry is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.6. Connection of ICP that is not an NSP (Clause 11.17)

Code reference

Clause 11.17

Code related audit information

A distributor must, when connecting an ICP that is not an NSP, follow the connection process set out in Clause 10.31.

The distributor must not connect an ICP (except for an ICP across which unmetered load is shared) unless a trader is recorded in the registry as accepting responsibility for the ICP.

In respect of ICPs across which unmetered load is shared, the distributor must not connect an ICP unless a trader is recorded in the registry as accepting responsibility for the shared unmetered load, and all traders that are responsible for an ICP on the shared unmetered load have been advised.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The connection of an ICP is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.7. Connection of ICP that is not an NSP (Clause 10.31)

Code reference

Clause 10.31

Code related audit information

A distributor must not connect an ICP that is not an NSP unless requested to do so by the trader trading at the ICP, or if there is only shared unmetered load at the ICP and each trader has been advised.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The connection of an ICP is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.8. Temporary electrical connection of ICP that is not an NSP (Clause 10.31A)

Code reference

Clause 10.31A

Code related audit information

A distributor may only temporarily electrically connect an ICP that is not an NSP if requested by an MEP for a purpose set out in clause 10.31A(2), and the MEP:

- *has been authorised to make the request by the trader responsible for the ICP; and*
- *the MEP has an arrangement with that trader to provide metering services.*

If the ICP is only shared unmetered load, the distributor must advise the traders of the intention to temporarily connect the ICP unless:

advising all traders would impose a material cost on the distributor, and

in the distributor's reasonable opinion, the advice would not result in any material benefit to any of the traders.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The temporary electrical connection of an ICP is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.9. Connection of NSP that is not point of connection to grid (Clause 10.30)

Code reference

Clause 10.30

Code related audit information

A distributor must not connect an NSP on its network that is not a point of connection to the grid unless requested to do so by the trader responsible for ensuring there is a metering installation for the point of connection.

The distributor that initiates the connection under Part 11 and connects the NSP must, within 5 business days of connecting the NSP that is not a point of connection to the grid, advise the reconciliation manager of the following in the prescribed form:

- *the NSP that has been connected*
- *the date of the connection*
- *the participant identifier of the MEP for each metering installation for the NSP*
- *the certification expiry date of each metering installation for the NSP.*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The connection of an NSP is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.10. Electrical connection of NSP that is not point of connection to grid (Clause 10.30A and 10.30B)

Code reference

Clause 10.30A and 10.30B

Code related audit information

A distributor may only temporarily electrically connect an NSP that is not a point of connection to the grid if requested by an MEP for a purpose set out in clause 10.30A(3), and the MEP:

- *has been authorised to make the request by the reconciliation participant responsible for the NSP; and*
- *the MEP has an arrangement with that reconciliation participant to provide metering services.*

A distributor may only electrically connect an NSP if:

- *each distributor connected to the NSP agrees*
- *the trader responsible for delivery of submission information has requested the electrical connection*
- *the metering installations for the NSP are certified and operational metering*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The temporary electrical connection of an NSP is not reliant on the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.11. Definition of ICP identifier (Clause 1(1) Schedule 11.1)

Code reference

Clause 1(1) Schedule 11.1

Code related audit information

Each ICP created by the distributor in accordance with Clause 11.4 must have a unique identifier, called the "ICP identifier", determined in accordance with the following format:

yyyyyyyyyyxxccc where:

- *yyyyyyyyyy is a numerical sequence provided by the distributor*
- *xx is a code that ensures the ICP is unique (assigned by the Authority to the issuing distributor)*
- *ccc is a checksum generated according to the algorithm provided by the Authority.*

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry.

The user has the option to generate an ICP outside of RM and then populate it into RM or have RM generate the ICP. Either way it is validated and will not upload if there are any errors identified.

UAT test results and the live demonstrations verified that RM creates code compliant unique ICP identifiers.

Audit outcome

Compliant

3.12. Loss category (Clause 6 Schedule 11.1)

Code reference

Clause 6 Schedule 11.1

Code related audit information

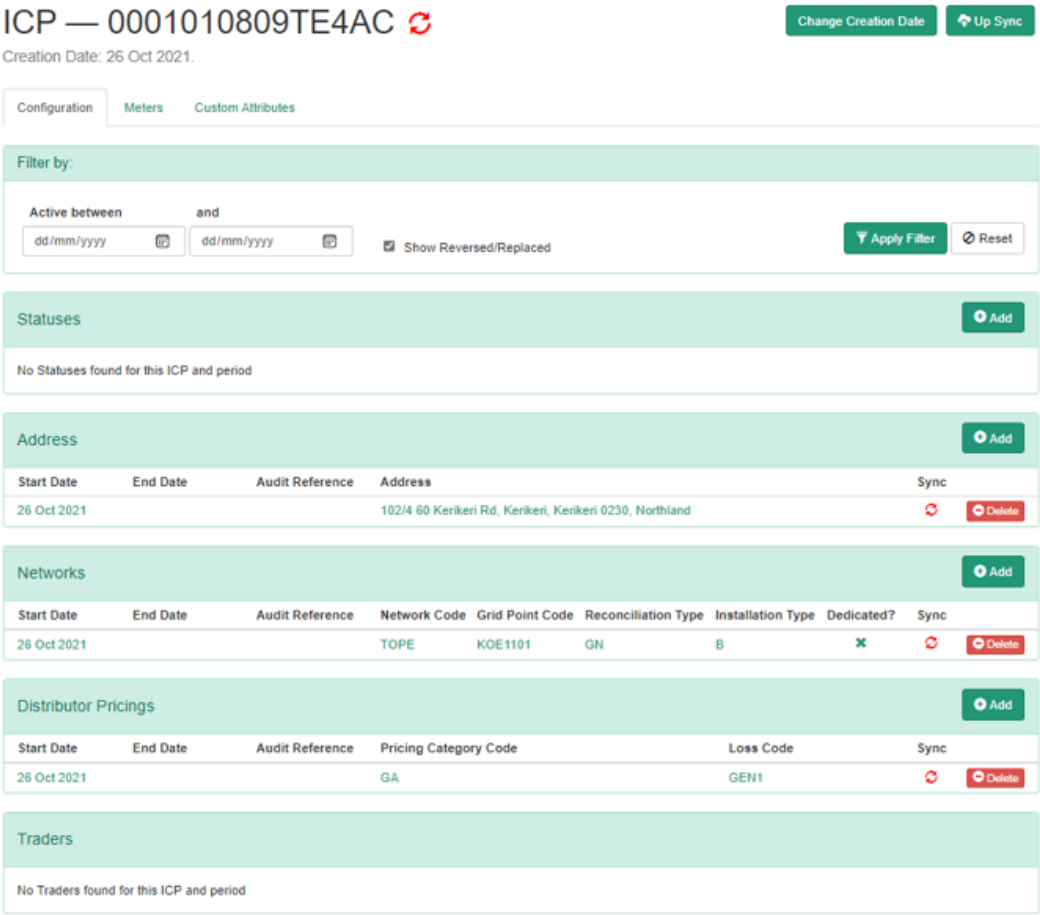
Each ICP must have a single loss category that is referenced to identify the associated loss factors.

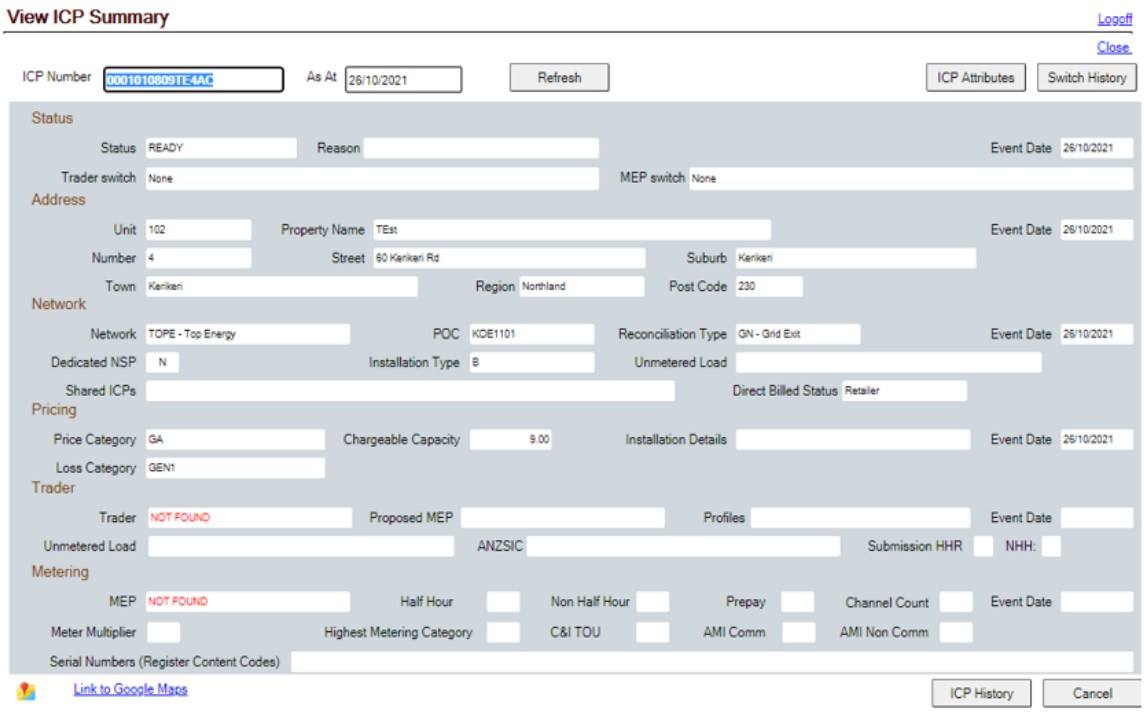
Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

The current process will not change as a result of the RM system implementation. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry. The loss category code is assigned to an ICP when it is created in RM.





UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

3.13. Management of “new” status (Clause 13 Schedule 11.1)

Code reference

Clause 13 Schedule 11.1

Code related audit information

The ICP status of “New” must be managed by the distributor to indicate:

- *the associated electrical installations are in the construction phase (Clause 13(a) of Schedule 11.1)*
- *the ICP is not ready for activation (Clause 13(b) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

The current process will not change as a result of the RM system implementation, the **NEW** status in the Registry is not used by TOPE. ICPs will progress through the **New** status within RM only. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry.

UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

3.14. Monitoring of “new” & “ready” statuses (Clause 15 Schedule 11.1)

Code reference

Clause 15 Schedule 11.1

Code related audit information

If an ICP has had the status of “New” or has had the status of “Ready” for 24 months or more:

- *the distributor must ask the trader who intends to trade at the ICP whether the ICP should continue to have that status (Clause 15(2)(a) of Schedule 11.1)*
- *the distributor must decommission the ICP if the trader advises that the ICP should not continue to have that status (Clause 15(2)(b) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

Monitoring **New** and **Ready** statuses for 24 months or more is not reliant on the RM system. The Audit Compliance Report is run monthly to identify these ICPs. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.15. Embedded generation loss category (Clause 7(6) Schedule 11.1)

Code reference

Clause 7(6) Schedule 11.1

Code related audit information

If the ICP connects the distributor's network to an embedded generating station that has a capacity of 10 MW or more (clause 7(1)(f) of Schedule 11.1):

- *The loss category code must be unique; and*
- *The distributor must provide the following to the reconciliation manager:*
    - *the unique loss category code assigned to the ICP*
    - *the ICP identifier of the ICP*
    - *the NSP identifier of the NSP to which the ICP is connected*
    - *the plant name of the embedded generating station.*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The embedded generation loss category requirements are not affected by the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.16. Electrical connection of a point of connection (Clause 10.33A)

Code reference

Clause 10.33A(4)

Code related audit information

No participant may electrically connect a point of connection or authorise the electrical connection of a point of connection, other than a reconciliation participant.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The reconciliation participant authorisation of the electrical connection of a point of connection requirements are not affected by the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.17. Electrical disconnection of a point of connection (Clause 10.30C and 10.31C)

Code reference

Clause 10.30C and 10.31C

Code related audit information

A distributor can only disconnect, or electrically disconnect an ICP on its network:

- *if empowered to do so by legislation (including the Code)*
- *under its contract with the trader for that ICP or NSP*
- *under its contract with the consumer for that ICP*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

3.18. Meter bridging (Clause 10.33C)

Code reference

Clause 10.33C

Code related audit information

A distributor may only electrically connect an ICP in a way that bypasses a meter that is in place ("bridging") if the distributor has been authorised by the responsible trader.

The distributor can then only proceed with bridging the meter if, despite best endeavours:

- *the MEP is unable to remotely electrically connect the ICP*
- *the MEP cannot repair a fault with the meter due to safety concerns*
- *the consumer will likely be without electricity for a period which would cause significant disadvantage to the consumer*

If the distributor bridges a meter, the distributor must notify the responsible trader within 1 business day and include the date of bridging in its advice.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4. MAINTENANCE OF REGISTRY INFORMATION

4.1. Changes to registry information (Clause 8 Schedule 11.1)

Code reference

Clause 8 Schedule 11.1

Code related audit information

If information held by the registry that relates to an ICP for which the distributor is responsible changes, the distributor must give written notice to the registry manager of that change.

Notification must be given by the distributor within 3 business days after the change takes effect, unless the change is to the NSP identifier of the NSP to which the ICP is usually connected (other than a change that is the result of the commissioning or decommissioning of an NSP).

In those cases, notification must be given no later than 8 business days after the change takes effect.

If the change to the NSP identifier is for more than 10 business days, the notification must be provided no later than the 13th business day and be backdated to the date the change took effect.

In the case of decommissioning an ICP, notification must be given by the later of 3 business days after the registry manager has advised the distributor that the ICP is ready to be decommissioned, or 3 business days after the distributor has decommissioned the ICP.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

RM will upload information changes to the Registry however the notification timeframe requirements are not influenced by the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.2. Notice of NSP for each ICP (Clauses 7(1),(4) and (5) Schedule 11.1)

Code reference

Clauses 7(1), 7(4) and 7(5) Schedule 11.1

Code related audit information

Under Clause 7(1)(b) of Schedule 11.1, the distributor must provide to the registry manager the NSP identifier of the NSP to which the ICP is usually connected.

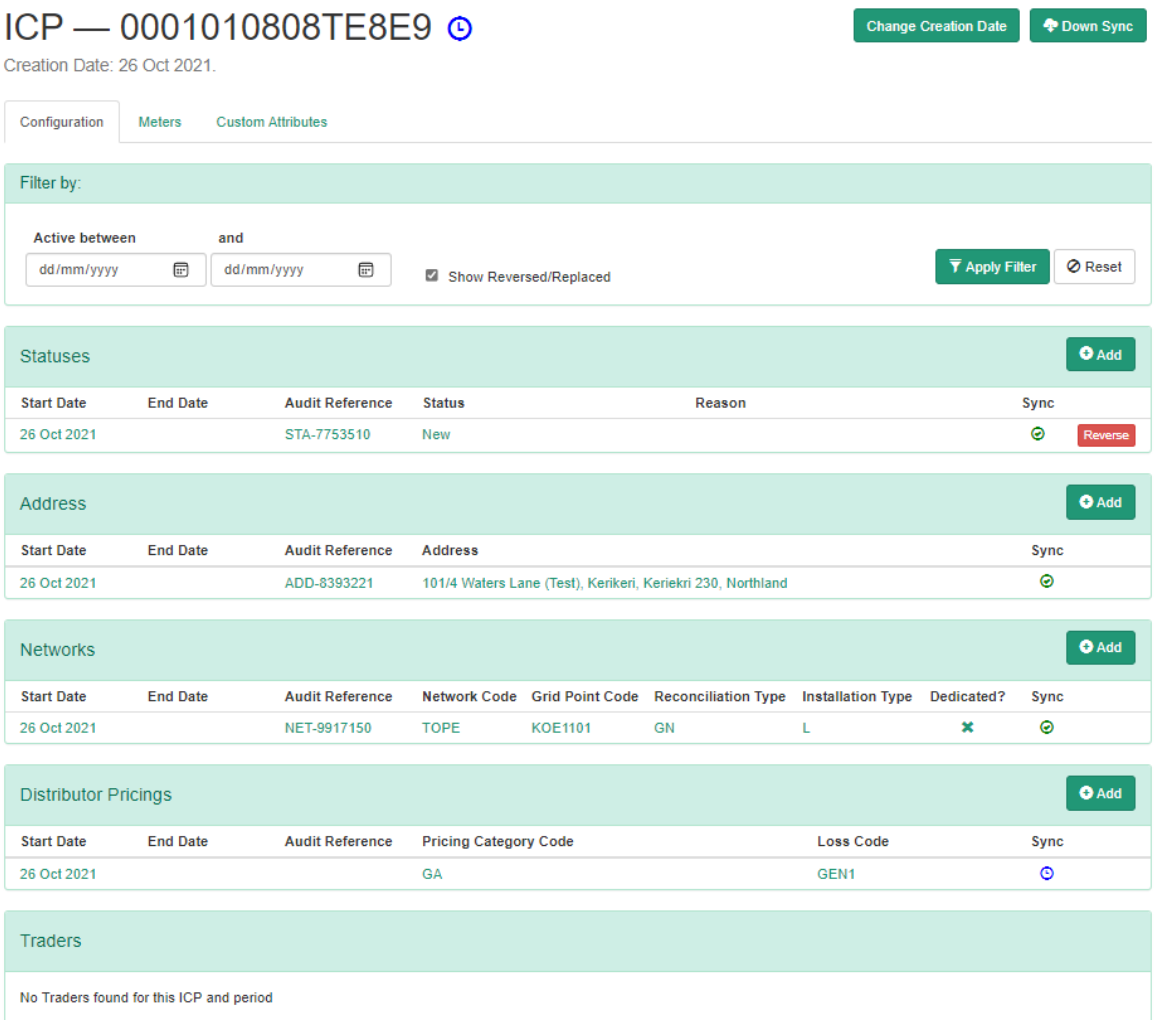
If the distributor cannot identify the NSP that an ICP is connected to, the distributor must nominate the NSP that the distributor thinks is most likely to be connected to the ICP, taking into account the flow of electricity within its network, and the ICP is deemed to be connected to the nominated NSP.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

Audit commentary

The current process will not change as a result of the RM system implementation. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry. TOPE has one NSP KOE1101. The NSP is assigned to an ICP when it is created in RM.



ICP Attributes Logoff Close

ICP Number 0001010808TE8E9 As At 26/10/2021 Event All Refresh Update

Attribute	Value
Status	Event history
Event Date	26/10/2021
User Reference	Sys created Status for network
ICP Status	0 - Ready
Status Reason	
Reversal Indicator	
Trader	Event history
Event Date	
User Reference	
Trader Participant Identifier	NGAG
Profile	
Submission Type HHR	
Submission Type NHH	
ANZSIC	
Proposed MEP	
UNM Flag	
Daily Unmetered kWh	
Unmetered Load Details - Trader	
Reversal Indicator	
Metering	Event history
Event Date	
MEP Participant Identifier	
User Reference	
Number Of Installations	
Highest Metering Category	
HHR Flag	
NHH Flag	
PP Flag	
AMI Flag	
Meter Channel Count	
Meter Multiplier Flag	

Attribute	Value
Address	Event history
Event Date	26/10/2021
User Reference	
Physical Address Unit	101
Physical Address Number	4
Physical Address Street	Waters Lane (Test)
Physical Address Suburb	Kerikeri
Physical Address Town	Keriekri
Physical Address Post Code	230
Physical Address Region	Northland
Physical Address Property Name	Five Oaks
GPS_Easting	0
GPS_Northing	0
Network	Event history
Event Date	26/10/2021
User Reference	
Network Participant Identifier	TOPE
POC	KOE1101
Reconciliation Type	GN
Dedicated NSP	N
Installation Type	L
Proposed Trader	NGAG
Unmetered Load Details - Distributor	
Shared ICP List	
Generation Capacity	0
Fuel Type	
Initial Energisation Date	
Direct Billed Status	Distributor
Direct Billed Details	
Pricing	Event history
Event Date	26/10/2021
User Reference	
Distributor Price Category Code	GA

UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

4.3. Customer queries about ICP (Clause 11.31)

Code reference

Clause 11.31

Code related audit information

The distributor must advise a customer (or any person authorised by the customer) or embedded generator of the customer or embedded generator's ICP identifier within 3 business days after receiving a request for that information.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.4. ICP location address (Clause 2 Schedule 11.1)

Code reference

Clause 2 Schedule 11.1

Code related audit information

Each ICP identifier must have a location address that allows the ICP to be readily located.

Audit observation

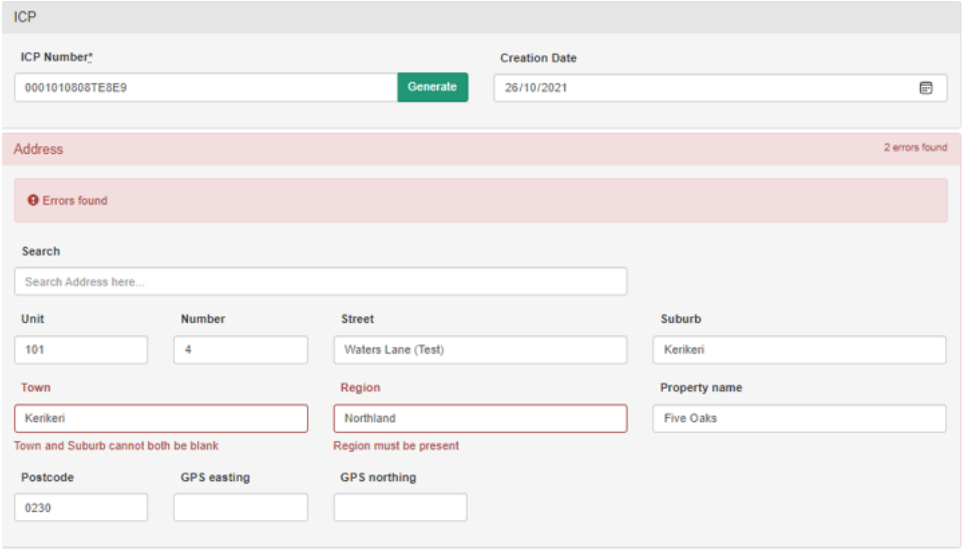
This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

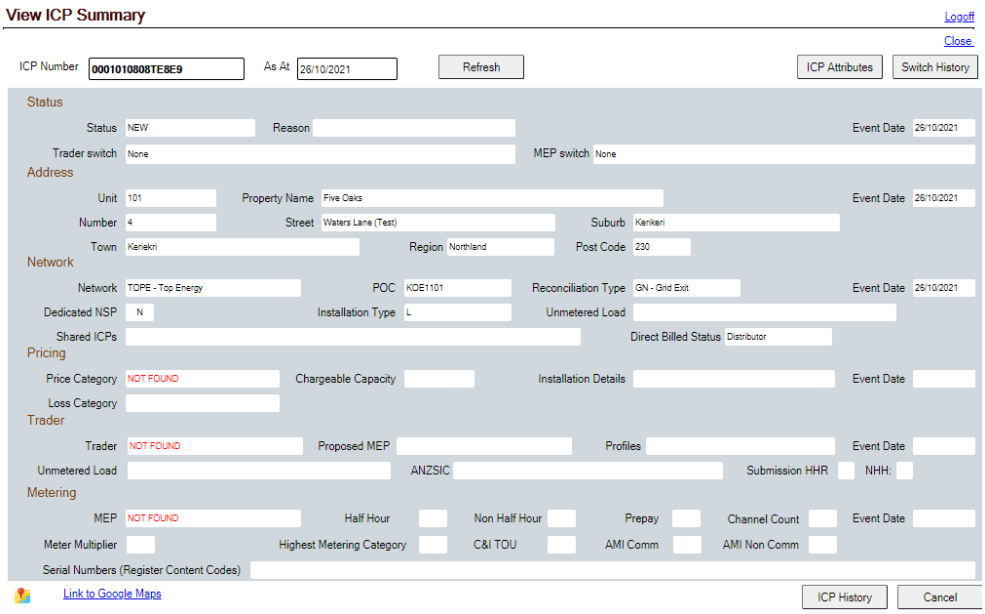
Audit commentary

The new connection application process will not change with the implementation of RM. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry this will include the address. When initially uploaded into the Registry a duplicate address will not load and an error message will be displayed in RM with an explanation that the address already exists in the Registry.

Address are mandatory fields in RM. They can be can be manually entered into RM or a search function used. When a number and street number are entered RM will search NZ Post, LINZ and Stats NZ information to find the best match and populate all the relevant fields. If the address exact match doesn't come back then the appropriate field can be corrected. For example a known address next door could be searched to obtain most of the information and then simply change the street number accordingly.

Snapshots of RM screens showing address input.





UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

4.5. Electrically disconnecting an ICP (Clause 3 Schedule 11.1)

Code reference

Clause 3 Schedule 11.1

Code related audit information

Each ICP created after 7 October 2002 must be able to be electrically disconnected without electrically disconnecting another ICP, except for ICPs that are the point of connection between a network and an embedded network, or ICPs that represent the consumption calculated by the difference between the total consumption for the embedded network and all other ICPs on the embedded network.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The RM system will not have any impact on this activity.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.6. Distributors to Provide ICP Information to the Registry manager (Clause 7(1) Schedule 11.1)

Code reference

Clause 7(1) Schedule 11.1

Code related audit information

For each ICP on the distributor's network, the distributor must provide the following information to the registry manager:

- *the location address of the ICP identifier (Clause 7(1)(a) of Schedule 11.1)*
- *the NSP identifier of the NSP to which the ICP is usually connected (Clause 7(1)(b) of Schedule 11.1)*
- *the installation type code assigned to the ICP (Clause 7(1)(c) of Schedule 11.1)*
- *the reconciliation type code assigned to the ICP (Clause 7(1)(d) of Schedule 11.1)*
- *the loss category code and loss factors for each loss category code assigned to the ICP (Clause 7(1)(e) of Schedule 11.1)*
- *if the ICP connects the distributor's network to an embedded generating station that has a capacity of 10MW or more (Clause 7(1)(f) of Schedule 11.1):*
  - *a) the unique loss category code assigned to the ICP*
  - *b) the ICP identifier of the ICP*
  - *c) the NSP identifier of the NSP to which the ICP is connected*
  - *d) the plant name of the embedded generating station*
- *the price category code assigned to the ICP, which may be a placeholder price category code only if the distributor is unable to assign the actual price category code because the capacity or volume information required to assign the actual price category code cannot be determined before electricity is traded at the ICP (Clause 7(1)(g) of Schedule 11.1)*

- *if the price category code requires a value for the capacity of the ICP, the chargeable capacity of the ICP as follows (Clause 7(1)(h) of Schedule 11.1):*
  - *a) a placeholder chargeable capacity if the distributor is unable to determine the actual chargeable capacity*
  - *b) a blank chargeable capacity if the capacity value can be determined for a billing period from metering information collected for that billing period*
  - *c) if there is more than one capacity value at the ICP, and at least one, but not all, of those capacity values can be determined for a billing period from the metering information collected for that billing period-*

    (i) no capacity value recorded in the registry field for the chargeable capacity; and

    (ii) either the term "POA" or all other capacity values, recorded in the registry field in which the distributor installation details are also recorded
  - *d) if there is more than one capacity value at the ICP, and none of those capacity values can be determined for a billing period from the metering information collected for that billing period-*

    (i) the annual capacity value recorded in the registry field for the chargeable capacity; and

    (ii) either the term "POA" or all other capacity values, recorded in the registry field in which the distributor installation details are also recorded
  - *e) the actual chargeable capacity of the ICP in any other case*
- *the distributor installation details for the ICP determined by the price category code assigned to the ICP (if any), which may be placeholder distributor installation details only if the distributor is unable to assign the actual distributor installation details because the capacity or volume information required to assign the actual distributor installation details cannot be determined before electricity is traded at the ICP (Clause 7(1)(i) of Schedule 11.1)*
- *the participant identifier of the first trader who has entered into an arrangement to sell or purchase electricity at the ICP (only if the information is provided by the first trader) (Clause 7(1)(j) of Schedule 11.1)*
- *the status of the ICP (Clause 7(1)(k) of Schedule 11.1)*
- *designation of the ICP as "Dedicated" if the ICP is located in a balancing area that has more than 1 NSP located within it, and the ICP will be supplied only from the NSP advised under Clause 7(1)(b) of Schedule 11.1, or the ICP is a point of connection between a network and an embedded network (Clause 7(1)(l) of Schedule 11.1)*
- *if unmetered load, other than distributed unmetered load, is associated with the ICP, the type and capacity in kW of unmetered load (Clause 7(1)(m) of Schedule 11.1)*
- *if shared unmetered load is associated with the ICP, a list of the ICP identifiers of the ICPs that are associated with the unmetered load (Clause 7(1)(n) of Schedule 11.1)*
- *if the ICP is capable of generating into the distributors network (Clause 7(1)(o) of Schedule 11.1):*
  - *a) the nameplate capacity of the generator; and*
  - *b) the fuel type*
- *the initial electrical connection date of the ICP (Clause 7(1)(p) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of 2 ICPs created and information input was observed.

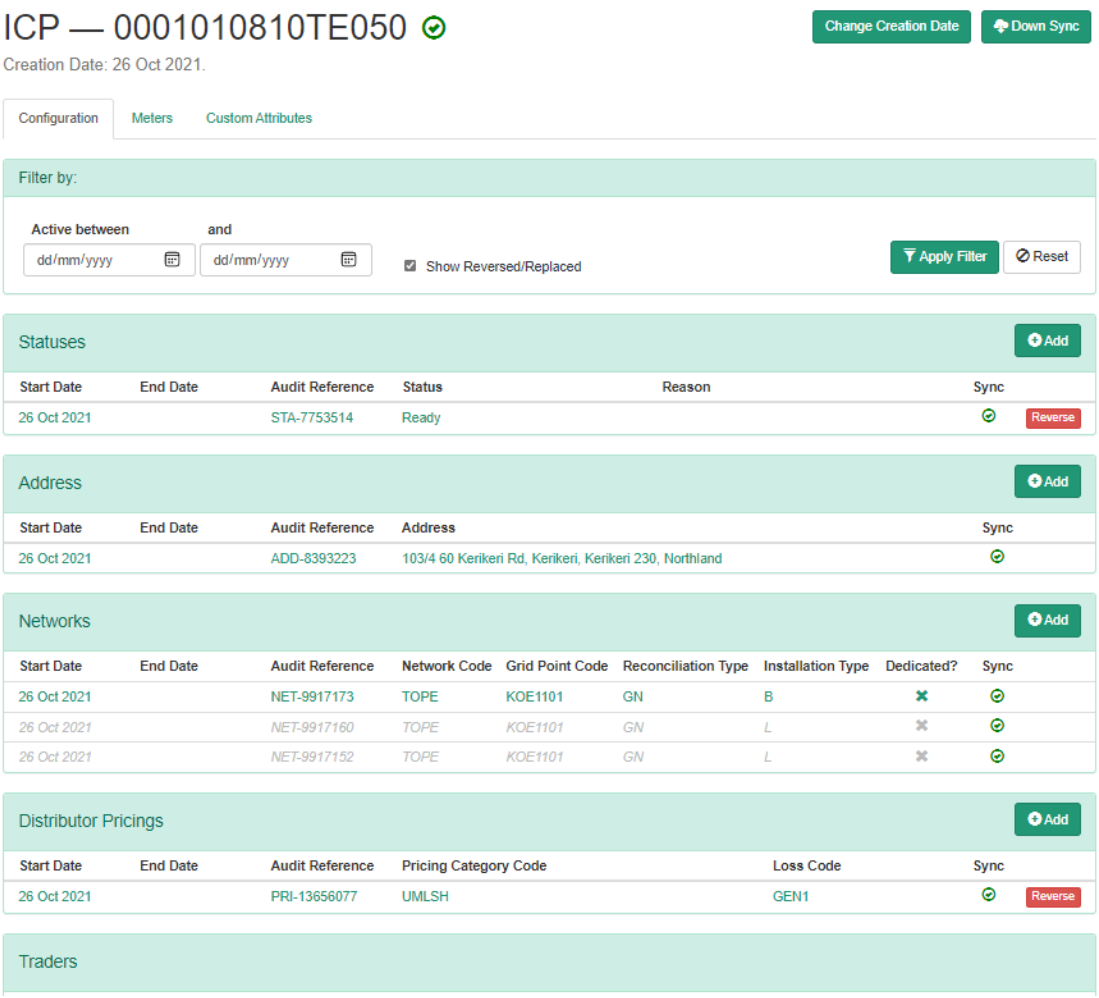
Audit commentary

The processes for obtaining the information (particularly from third parties) to comply with this clause will not change due to the implementation of RM. ICPs will be created in RM with the required information to set the ICP as **Ready** when uploaded to the Registry.

A number of RM features will ensure the accuracy of information uploaded to the Registry from RM post implementation. Such as field level validation applied to all fields, information not complying with the Registry specifications will not load into the Registry and suitable error messages returned to identify the error to be corrected. Where appropriate drop box selection (based on Registry requirements) is used to input information, for example NSP, installation type and reconciliation type. Mandatory fields are enforced where applicable, for example if installation types G or B are selected then generation capacity and fuel type become mandatory. The user is able to upload new or changed information in RM to the Registry in real time allowing any issues to be addressed at data entry.

Event dates are defaulted to todays date and are able to be changed/backdated according to current TOPE policy, future dates are not possible.

A sample of screenshots from UAT testing



User: Supervisor NGAG - supNGAG

Participant: Ngawha Generation Ltd - NGAG

View ICP Summary

Logoff

Close

ICP Number 0001010810TE050 As At 26/10/2021 Refresh ICP Attributes Switch History

Status

Status ACTIVE Reason Event Date 26/10/2021

Trader switch None MEP switch No MEP to KING, Awaiting MN response

Address

Unit 103 Property Name Unmetered Event Date 26/10/2021

Number 4 Street 60 Kerikeri Rd Suburb Kerikeri

Town Kerikeri Region Northland Post Code 230

Network

Network TOPE - Top Energy POC KOE1101 Reconciliation Type GN - Grid Exit Event Date 26/10/2021

Dedicated NSP N Installation Type B Unmetered Load 02.12.65

Shared ICPs Direct Billed Status Distributor

Pricing

Price Category UMLSH Chargeable Capacity 0.00 Installation Details Event Date 26/10/2021

Loss Category GEN1

Trader

Trader NGAG - Ngawha Generation Ltd Proposed MEP KING - King Country Energy Profiles RPS Event Date 26/10/2021

Unmetered Load ANZSIC A013600 - Citrus Fruit Growing Submission HHR N NHH: Y

Metering

MEP NOT FOUND Half Hour Non Half Hour Prepay Channel Count Event Date

Meter Multiplier Highest Metering Category C&I TOU AMI Comm AMI Non Comm

Serial Numbers (Register Content Codes)

Link to Google Maps ICP History Cancel

ICP Number 0001010810TE050 As At 26/10/2021 Event All Refresh Update

Switch In Progress : MEP from No MEP to KING, Awaiting MN response

Attribute	Value
Status	Event history
Event Date	26/10/2021
User Reference	Sys created Status for network
ICP Status	2 - Active
Status Reason	
Reversal Indicator	
Trader	Event history
Event Date	26/10/2021
User Reference	
Trader Participant Identifier	NGAG
Profile	RPS
Submission Type HHR	N
Submission Type NHH	Y
ANZSIC	A013600 - Citrus Fruit Growing
Proposed MEP	KING - King Country Energy
UNM Flag	N
Daily Unmetered kWh	
Unmetered Load Details - Trader	
Reversal Indicator	
Metering	Event history
Event Date	
MEP Participant Identifier	
User Reference	
Number Of Installations	
Highest Metering Category	
HHR Flag	
NHH Flag	
PP Flag	
AMI Flag	
Meter Channel Count	
Meter Multiplier Flag	

Attribute	Value
Address	Event history
Event Date	26/10/2021
User Reference	
Physical Address Unit	103
Physical Address Number	4
Physical Address Street	60 Kerikeri Rd
Physical Address Suburb	Kerikeri
Physical Address Town	Kerikeri
Physical Address Post Code	230
Physical Address Region	Northland
Physical Address Property Name	Unmetered
GPS_Easting	0
GPS_Northing	0
Network	Event history
Event Date	26/10/2021
User Reference	
Network Participant Identifier	TOPE
POC	KOE1101
Reconciliation Type	GN
Dedicated NSP	N
Installation Type	L
Proposed Trader	NGAG
Unmetered Load Details - Distributor	10:14:100
Shared ICP List	
Generation Capacity	0
Fuel Type	
Initial Energisation Date	26/10/2021
Direct Billed Status	Retailer
Direct Billed Details	
Pricing	Event history
Event Date	26/10/2021
User Reference	
Distributor Price Category Code	UMLSH
Distributor Loss Category Code	GEN1
Distributor Installation Details	
Chargeable Capacity	0.00

UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

4.7. Provision of information to registry after the trading of electricity at the ICP commences (Clause 7(3) Schedule 11.1)

Code reference

Clause 7(3) Schedule 11.1

Code related audit information

The distributor must provide the following information to the registry manager no later than 10 business days after the trading of electricity at the ICP commences:

- *the actual price category code assigned to the ICP (Clause 7(3)(a) of Schedule 11.1)*
- *the actual chargeable capacity of the ICP determined by the price category code assigned to the ICP (if any) (Clause 7(3)(b) of Schedule 11.1)*
- *the actual distributor installation details of the ICP determined by the price category code assigned to the ICP (if any) (Clause 7(3)(c) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

RM will upload information changes to the Registry however the notification timeframe requirements are not influenced by the RM system. The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.8. GPS coordinates (Clause 7(8) and (9) Schedule 11.1)

Code reference

Clause 7(8) and (9) Schedule 11.1

Code related audit information

If a distributor populates the GPS coordinates (optional), it must meet the NZTM2000 standard in a format specified by the Authority.

Audit observation

This was discussed with TOPE Staff. The system documentation was checked.

Audit commentary

RM will upload the GPS coordinates to the Registry however the current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.9. Management of “ready” status (Clause 14 Schedule 11.1)

Code reference

Clause 14 Schedule 11.1

Code related audit information

The ICP status of "Ready" must be managed by the distributor and indicates that:

- *the associated electrical installations are ready for connecting to the electricity supply (Clause 14(1)(a) of Schedule 11.1); or*
- *the ICP is ready for activation by a trader (Clause 14(1)(b) of Schedule 11.1)*

Before an ICP is given the "Ready" status in accordance with Clause 14(1) of Schedule 11.1, the distributor must:

- *identify the trader that has taken responsibility for the ICP (Clause 14(2)(a) of Schedule 11.1)*
- *ensure the ICP has a single price category (Clause 14(2)(b) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff.

Audit commentary

The new connection application process will not change with the implementation of RM. Once the Retailer accepts the ICP by return email (or by blanket acceptance) the ICP created in RM will be sent to the customer and uploaded to the Registry with status of **Ready.**

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.10. Management of "distributor" status (Clause 16 Schedule 11.1)

Code reference

Clause 16 Schedule 11.1

Code related audit information

The ICP status of "distributor" must be managed by the distributor and indicates that the ICP record represents a shared unmetered load installation or the point of connection between an embedded network and its parent network.

Audit observation

This was discussed with TOPE Staff.

Audit commentary

RM will upload the distributor status to the Registry however the current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit.

Audit outcome

Not applicable

4.11. Management of "decommissioned" status (Clause 20 Schedule 11.1)

Code reference

Clause 20 Schedule 11.1

Code related audit information

The ICP status of "decommissioned" must be managed by the distributor and indicates that the ICP is permanently removed from future switching and reconciliation processes (Clause 20(1) of Schedule 11.1).

Decommissioning only occurs when:

- *electrical installations associated with the ICP are physically removed (Clause 20(2)(a) of Schedule 11.1); or*
- *there is a change in the allocation of electrical loads between ICPs with the effect of making the ICP obsolete (Clause 20(2)(b) of Schedule 11.1); or*
- *in the case of a distributor-only ICP for an embedded network, the embedded network no longer exists (Clause 20(2)(c) of Schedule 11.1).*

Audit observation

This was discussed with TOPE Staff. The system documentation was checked and the UAT plan and results were also checked. A live demonstration of an ICP decommission and information input was observed.

Audit commentary

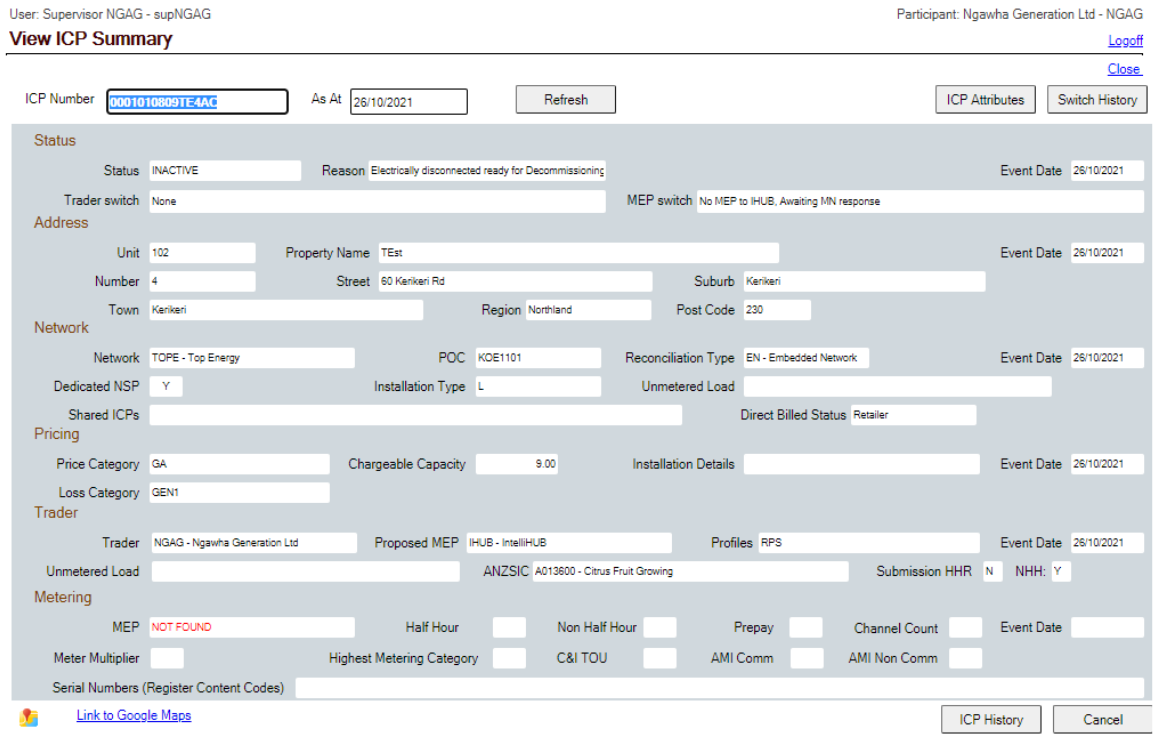
RM will upload the decommissioned status to the Registry however the current process will not change as a result of the RM system implementation.

RM will only allow an ICP status to be changed to **Decommissioned** under the following conditions:

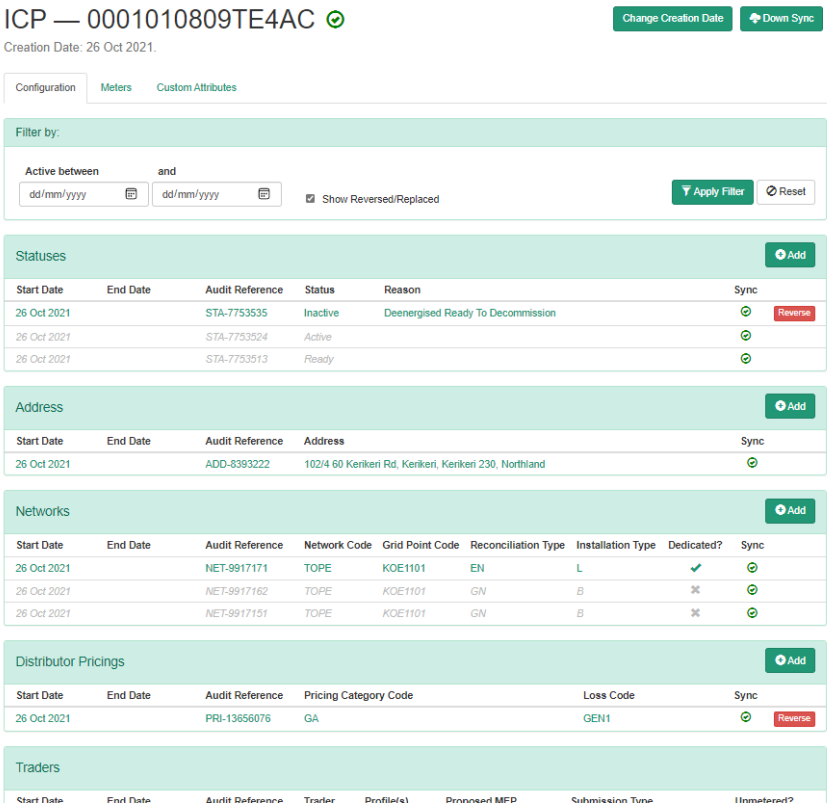
1. the ICP has the Status of **New**
2. the ICP has the Status of **Inactive** and the reason is **Electrically disconnected waiting for disconnection (1,6)**
3. the ICP has the Status of **Distributor**

Screen shots from UAT:

Retailer makes inactive in Registry



RM updated after overnight synchronisation



Updated status in RM to Decommissioned with reason Decommissioned Dismantled

ICP — 0001010809TE4AC

Change Creation Date | Down Sync

Creation Date: 26 Oct 2021.

Configuration | Meters | Custom Attributes

Filter by:

Active between dd/mm/yyyy and dd/mm/yyyy

Show Reversed/Replaced

Apply Filter | Reset

Statuses

Add

Start Date	End Date	Audit Reference	Status	Reason	Sync	
26 Oct 2021		STA-7753537	Decommissioned	Decommissioned Dismantled		Reverse
26 Oct 2021		STA-7753535	Inactive	Deenergised Ready To Decommission		
26 Oct 2021		STA-7753524	Active			
26 Oct 2021		STA-7753513	Ready			

Address

Add

Start Date	End Date	Audit Reference	Address	Sync
26 Oct 2021		ADD-8393222	102/4 60 Kerikeri Rd, Kerikeri, Kerikeri 230, Northland	

Networks

Add

Start Date	End Date	Audit Reference	Network Code	Grid Point Code	Reconciliation Type	Installation Type	Dedicated?	Sync
26 Oct 2021		NET-9917171	TOPE	KOE1101	EN	L	✔	
26 Oct 2021		NET-9917162	TOPE	KOE1101	GN	B	✖	
26 Oct 2021		NET-9917151	TOPE	KOE1101	GN	B	✖	

Distributor Pricings

Add

Start Date	End Date	Audit Reference	Pricing Category Code	Loss Code	Sync	
26 Oct 2021		PRI-13656076	GA	GEN1		Reverse

Completed Registry update to Decommissioned Installation dismantled

View ICP Summary

Logoff

Close

ICP Number 0001010809TE4AC | As At 26/10/2021 | Refresh | ICP Attributes | Switch History

Status

Status: DECOMMISSIONED | Reason: Installation Dismantled | Event Date: 26/10/2021

Trader switch: None | MEP switch: No MEP to IHUB, Awaiting MN response

Address

Unit: 102 | Property Name: TEst | Event Date: 26/10/2021

Number: 4 | Street: 60 Kerikeri Rd | Suburb: Kerikeri

Town: Kerikeri | Region: Northland | Post Code: 230

Network

Network: TOPE - Top Energy | POC: KOE1101 | Reconciliation Type: EN - Embedded Network | Event Date: 26/10/2021

Dedicated NSP: Y | Installation Type: L | Unmetered Load:

Shared ICPs: | Direct Billed Status: Retailer

Pricing

Price Category: GA | Chargeable Capacity: 9.00 | Installation Details: | Event Date: 26/10/2021

Loss Category: GEN1

Trader

Trader: NGAG - Ngawha Generation Ltd | Proposed MEP: IHUB - IntelliHUB | Profiles: RPS | Event Date: 26/10/2021

Unmetered Load: | ANZSIC: A013600 - Citrus Fruit Growing | Submission HHR: N | NHH: Y

Metering

MEP: NOT FOUND | Half Hour: | Non Half Hour: | Prepay: | Channel Count: | Event Date:

Meter Multiplier: | Highest Metering Category: | C&I TOU: | AMI Comm: | AMI Non Comm:

Serial Numbers (Register Content Codes):

Link to Google Maps | ICP History | Cancel

UAT test results and the live demonstrations verified that RM met the code requirements.

Audit outcome

Compliant

4.12. Maintenance of price category codes (Clause 23 Schedule 11.1)

Code reference

Clause 23 Schedule 11.1

Code related audit information

The distributor must keep up to date the table in the registry of the price category codes that may be assigned to ICPs on each distributor's network by entering in the table any new price category codes.

Each entry must specify the date on which each price category code takes effect, which must not be earlier than 2 months after the date the code is entered in the table.

A price category code takes effect on the specified date.

Audit observation

This was discussed with TOPE Staff.

The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit

Audit commentary

The current process will not change as a result of the RM system implementation.

This clause is not applicable to this audit

Audit outcome

Not applicable

5. CREATION AND MAINTENANCE OF LOSS FACTORS

5.1. Updating table of loss category codes (Clause 21 Schedule 11.1)

5.2. Updating loss factors (Clause 22 Schedule 11.1)

The current processes will not change as a result of the RM system implementation.

These clauses are not applicable to this audit

6. CREATION AND MAINTENANCE OF NSPS (INCLUDING DECOMMISSIONING OF NSPS AND TRANSFER OF ICPS)

6.1. Creation and decommissioning of NSPs (Clause 11.8 and Clause 25 Schedule 11.1)

6.2. Provision of NSP information (Clause 26(1) and (2) Schedule 11.1)

6.3. Notice of balancing areas (Clause 24(1) and Clause 26(3) Schedule 11.1)

6.4. Notice of supporting embedded network NSP information (Clause 26(4) Schedule 11.1)

6.5. Maintenance of balancing area information (Clause 24(2) and (3) Schedule 11.1)

6.6. Notice when an ICP becomes an NSP (Clause 27 Schedule 11.1)

6.7. Notification of transfer of ICPs (Clause 1 to 4 Schedule 11.2)

6.8. Responsibility for metering information for NSP that is not a POC to the grid (Clause 10.25(1) and 10.25(3))

6.9. Responsibility for metering information when creating an NSP that is not a POC to the grid (Clause 10.25(2))

6.10. Obligations concerning change in network owner (Clause 29 Schedule 11.1)

6.11. Change of MEP for embedded network gate meter (Clause 10.22(1)(b))

6.12. Confirmation of consent for transfer of ICPs (Clauses 5 and 8 Schedule 11.2)

6.13. Transfer of ICPs for embedded network (Clause 6 Schedule 11.2)

The current processes will not change as a result of the RM system implementation.

These clauses are not applicable to this audit

7. MAINTENANCE OF SHARED UNMETERED LOAD

7.1. Notification of shared unmetered load ICP list (Clause 11.14(2) and (4))

7.2. Changes to shared unmetered load (Clause 11.14(5))

The current processes will not change as a result of the RM system implementation.

These clauses are not applicable to this audit

8. CALCULATION OF LOSS FACTORS

8.1. Creation of loss factors (Clause 11.2)

The current processes will not change as a result of the RM system implementation.

This clause is not applicable to this audit

CONCLUSION

See Executive Summary.

PARTICIPANT RESPONSE