Gas Distributor and Meter Owner Performance Audit Report

For

Vector Limited

Prepared by

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Date of Audit: 13 February 2026

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Contents

Executive Summary

This Performance Audit was conducted at the request of the Gas Industry Company (GIC) in accordance with Rule 88 of the Gas (Switching Arrangements) Rules 2008 in effect from 14 September 2015.

The purpose of this audit is to assess the systems, processes, and performance of Vector Limited (Vector) in terms of compliance with these rules.

The audit was conducted in accordance with terms of reference prepared by GIC.

Vectors new connection process was found to be effective, and the tasks are well understood by the team. Vector has also incorporated a Process and Audit Specialist role into the team to strengthen existing processes and also develop additional monitoring functions. The increased level of monitoring was observed during the field audit.

Vectors monitoring and exception management processes have been paused since early 2025 due to personnel changes within the team, however the monitoring of these reports has been recently reestablished and Vector has taken the opportunity during this audit to refine the processes to support this monitoring .

The summary of report findings in the table below shows that Vector's control environment is 'effective' for five of the areas, 'acceptable' for one area, 'needs improvement' for eight areas and 'ineffective' for one area evaluated.

Six of the 15 areas evaluated were found to be compliant. Ten breach allegations are made in relation to accuracy, completeness and timeliness of network and pricing information on the registry.

Eight recommendations were made to improve future compliance. The recommendations are listed in **section 9** and the relevant report sections.

Summary of Report Findings

Issue	Section	Control Rating (Refer to Appendix 6 for definitions)	Compliance Rating	Comments
General obligations	2	Effective	Compliant	
New connections	3	Effective	Compliant	One recommendation made to improve process effectiveness • Implement a process to proactively monitor and escalate to the respective retailer the initial new connection addresses populated in the registry so that address attributes such as lot numbers can be updated as soon as possible once an ICP is livened
Network pressure	4.1	Needs improvement	Not compliant	167 ICPs were found to have incorrect network pressures recorded on the registry. 3 ICPs have incorrect network pressures recorded on the registry when compared to Vector information.
ICP altitude	4.2	Needs improvement	Not compliant	Nine ICPs were found to have incorrect altitude over ± 20 metres ICP 1002154391QTE17 was found to an altitude over ± 90 metres resulting in an altitude factor which was over the maximum permissible error in NZS 5259:2015. One recommendation made to improve process effectiveness • Review new connection process to include a post livening review of an ICPs altitude to ensure the value is correct prior to use in the conversion of volume to energy by the respective retailer
Gas gate	4.3	Needs improvement	Not compliant	From a sample of ten street and suburb combinations with multiple gas gate assignments 29 ICPs were found to have an incorrect gas gate assigned

Issue	Section	Control Rating (Refer to Appendix 6 for definitions)	Compliance Rating	Comments
Load shedding category	4.4	Needs improvement	Not compliant	Data analysis of the load shedding category against other registry fields identified 17 ICPs with incorrect categories. ICP 0000933991QT869 had a designation of 7 (Critical care designation) however this ICP is not currently listed on the GIC website of active critical care designations.
Maximum hourly quantity	4.5	Needs improvement	Not compliant	The MHQ values for ICPs1002071401QT473 and 1002108958QT557 were found to be incorrect on the registry.
Physical address	4.6	Needs improvement	Not compliant	33 ICPs had addresses which were not readily locatable and were corrected during the audit. 32 ICPs had duplicate addresses recorded. Ten were updated to be unique during the audit. One recommendation made to improve process effectiveness • Implement a step in the address update process to first search the registry for any proposed change of address to ensure it is unique and that an ICP has not already been created for this updated address.
Decommissioned status	4.7	Needs improvement	Not compliant	Two ICPs were found to be decommissioned but the registry had not been updated with the correct status

Connection statuses	4.8	Effective	Compliant	Three recommendations made to improve process effectiveness
				• To resolve the issue with ICP 0000504561QT3F0 being a connected ICP without a retailer assignment, I recommend that Vector Networks:
				  ○ Liaises with the current retailer for the electricity supply to propose they claimed the ICP as the current retailer for the electricity supply, from 14 September 2015 and any relevant consumption volume is submitted to the allocation agent via the available revisions,
				  ○ Undertakes its own site visit as part of a vacant / unclaimed ICP, to enable the occupier to advise Vector the retailer it has or intends to have a gas supply agreement with. This will enable the proposed retailer attribute of the registry to be correctly populated,
				  ○ If either or both of the above steps are unsuccessful in a retailer taking responsibility for this ICP, then Vector should consider progressing a disconnection of this supply.
				• Consider implementing process to monitor new connection ICPs to ensure that:
				  ○ Proposed retailers for ICPs at READY state for an extended period of time have confirmed that they still have an agreement in place with the consumer.
				  ○ Once a new connection has been confirmed as connected, that an accurate and timely active status is populated on the registry by the responsible retailer
				• Review whether the list of 43 historical NEW ICPs with no expected retailer are still required and there is an open work order for these ICPs otherwise progress these ICPs to a decommissioned state

Registry validation and correction - distributor	4.9	Ineffective	Not compliant	Vector do not undertake regular reviews of the distributor ICP attributes recorded on the registry to their information held within Gentrack or their GIS system

Issue	Section	Control Rating (Refer to Appendix 6 for definitions)	Compliance Rating	Comments
				One recommendation made to improve process effectiveness • Implement a process to monitor the accuracy and investigate any exceptions of distributor information between the registry and Gentrack and any other systems and ensure the registry is updated as soon as an exception is confirmed
Creation and decommissioning of gas gates	5	Effective	Compliant	
Management of network price category codes	6	Needs improvement	Not compliant	ICPs 0000876871QT30E and 0001419669QT2F3 were recorded with an incorrect distribution network price category code on the registry. One recommendation made to improve process effectiveness • Review the distribution network price category codes for ICPs where the load shed category and gas allocation group codes indicate the network capacity for these installations may have changed.
Management of loss factor codes	7	Effective	Compliant	
Disclosure on application - distributor	8	Acceptable	Compliant	

1. Pre-Audit and Operational Infrastructure Information

1.1 Scope of Audit

This Performance Audit was conducted at the request of the Gas Industry Company (GIC) in accordance with Rule 65 of the Gas (Downstream Reconciliation) Rules 2008 effective from 14 September 2015. Rule 65 is inserted below:

65. Industry body to commission performance audits.

> *65.1 The industry body must arrange at regular intervals performance audits of the allocation agent and allocation participants.*
>
> *65.2 The purpose of a performance audit under this rule is to assess in relation to the allocation agent or an allocation participant, as the case may be, -*
>
> > *65.2.1 The performance of the allocation agent or that allocation participant in terms of compliance with these rules; and*
> >
> > *65.2.2 The systems and processes of the allocation agent or that allocation participant that have been put in place to enable compliance with these rules.*

The audit was conducted in accordance with terms of reference prepared by the GIC, and in accordance with the "Guideline note for rules 65 to 75 and 80: the commissioning and carrying out of performance audits and event audits, V3.0" which was published by GIC in June 2013.

The field audit was carried out at the Auckland offices of Vector on 13 February 2026.

1.2 Audit Approach

As mentioned in **section 1.1** the purpose of this audit is to assess the performance of Vector in terms of compliance with the rules, and the systems and processes that have been put in place to enable compliance with the rules.

This audit has examined the effectiveness of the controls Vector has in place to achieve compliance, and where it has been considered appropriate sampling has been undertaken to determine compliance.

Where sampling has occurred, this has been conducted using the Auditing Standard 506 (AS-506) which was published by the Institute of Chartered Accountants of New Zealand. I have used my professional judgement to determine the audit method and to select sample sizes, with an objective of ensuring that the results are statistically significant.[1]

Where compliance is reliant on manual processes, for example manual data entry, the sample size has been increased to a magnitude that, in my judgement, ensures the result has statistical significance.

[1] In statistics, a result is considered statistically significant if it is unlikely to have occurred by chance. (Wikipedia)

Where errors have been found or processes found not to be compliant the materiality of the error or non-compliance has been evaluated.

1.3 General Compliance

The Market Administrator confirmed that no alleged breaches have been recorded for Vector since the last audit in relation to its role as a distributor.

Breach Allegation	Breach No.	Rule	Section in this report	Outcome
1002162590QT0B8 was recorded in the registry with an altitude of 446, but the correct altitude is 46. This resulted in an altitude factor error outside the maximum permissible errors set out in NZS 5259	2024-016	26.5.1, 26.5.4	4.2	Awaiting decision by MA
When reviewing a sample of TRUS ICPs the altitude for 3 ICPs was found to be lower by 60 meters in the registry compared with Google Earth	2024-155	58.1	4.2	Awaiting decision by MA

1.3.1 Summary of Previous Audit

11 alleged breaches were recorded in relation to the 2022 distributor audit, and the outcomes are recorded in the table below.

Breach Allegation	Breach No.	Rule	Section in this report	Outcome
A new ICP was created and added to the registry with a status code of NEW, but it was a duplicate.	2022-033	GSAR 43.2	3.1	The Market Administrator did not raise any material issues
An ICP had been created in the registry with a status of NEW, without a responsible retailer, even though the ICP was connected and had a retailer	2022-034	GSAR 58.1	3.2	The Market Administrator did not raise any material issues
2 ICPs had been entered into the registry with an incorrect physical address region	2022-035	GSAR 58.1	4.6	The Market Administrator did not raise any material issues
94 ICPs created since 1 January 2018 were found to have incorrect gas gates in the registry:	2022-036	GSAR 58.1	4.3	The Market Administrator did not raise any material issues

Breach Allegation	Breach No.	Rule	Section in this report	Outcome
• 1 ICP was found from a review of a general sample of 56 new ICPs • 93 ICPs were found out of a list of 109 ICPs with atypical postcodes for the gas gate				
138 ICPs created since 1 January 2018 were found to have incorrect load shedding categories: • 6 ICPs from a general sample of 56 new ICPs • 117 ICPs identified from analysis of load shedding code against allocation group code • 15 ICPs identified from analysis of load shedding code against network price code	2022-037	GSAR 58.1	4.4	The Market Administrator did not raise any material issues
7 ICPs created since 1 January 2018 were found to have incorrect network pressure populated in the registry: • 3 ICPs from a general sample of 56 new ICPs • 4 ICPs identified from analysis of network pressure against gas gate	2022-038	GSAR 58.1	4.1	The Market Administrator did not raise any material issues
A comparison of Gentrack versus the registry found there were 21 incorrect registry gas gates	2022-039	GSAR 58.1	4.3	The Market Administrator did not raise any material issues
38 ICPs created prior to 2018 were found to have incorrect load shedding categories: • 34 had a load shedding category of DOM in the registry but should have had a load shedding category of either 4 or 6. • A review of Vector's Gentrack data versus the registry identified 4 ICPs with incorrect load shedding categories.	2022-040	GSAR 58.1	4.4	The Market Administrator did not raise any material issues
3 ICPs were shown in the registry with a load shedding designation of 7, but their designations had lapsed.	2022-041	GSAR 58.1	4.4	The Market Administrator did not raise any material issues
Out of a sample of 33 ICPs created prior to 2018, 1 ICP was found to have a significantly incorrect altitude figure	2022-042	GSAR 58.1	4.2	The Market Administrator did not raise any material issues

Breach Allegation	Breach No.	Rule	Section in this report	Outcome
112 ICPs were found to have incorrect network pressure: • After reviewing Gentrack records against registry records it was established 2 ICPs had incorrect network pressure in the registry • A review of outlier ICPs found 110 ICPs with incorrect network pressures	2022-043	GSAR 58.1	4.1	The Market Administrator did not raise any material issues

1.3.2 Breach allegations

As noted in the Summary of Report Findings, this audit recorded non-compliance in nine sections leading to nine breach allegations, as shown in the table below. ….

Breach Allegation	Rules	Section in this report
167 ICPs were found to have incorrect network pressures recorded on the registry. 3 ICPs have incorrect network pressures recorded on the registry when compared to Vector information.	GSAR 58.1	4.1
Nine ICPs were found to have incorrect altitude over ± 20 metres ICP 1002154391QTE17 was found to an altitude over ± 90 metres resulting in an altitude factor which was over the maximum permissible error in NZS 5259:2015.	GSAR 58.1	4.2
From a sample of ten street and suburb combinations with multiple gas gate assignments 29 ICPs were found to have an incorrect gas gate assigned. ICP 0000036301QT5B9 was assigned to the incorrect gas gate Three ICPs were assigned an incorrect ICP type.	GSAR 58.1	4.3
Data analysis of the load shedding category against other registry fields identified 17 ICPs with incorrect categories. ICP 0000933991QT869 had a designation of 7 (Critical care designation) however this ICP is not currently listed on the GIC website of active critical care designations. The impact has been categorised as insignificant as there has not been a Critical Contingency curtailment event in any Vector network area. Critical Contingencies are rare, but the potential impact of incorrect categories is major should an event occur.	GSAR 58.1	4.4

Breach Allegation	Rules	Section in this report
The MHQ values for ICPs1002071401QT473 and 1002108958QT557 were found to be incorrect on the registry	GSAR 58.1	4.5
33 ICPs had addresses which were not readily locatable and were corrected during the audit. 32 ICPs had duplicate addresses recorded. Ten were updated to be unique during the audit.	GSAR 58.1	4.6
Two ICPs were found to be decommissioned but the registry had not been updated with the correct status.	GSAR 59.11	4.7
Vector do not undertake regular reviews of the distributor ICP attributes recorded on the registry to their information held within Gentrack or their GIS system	GSAR 62	4.9
ICPs 0000876871QT30E and 0001419669QT2F3 were recorded with an incorrect distribution network price category code on the registry	GSAR 46	6

1.4 Provision of Information to the Auditor (Rule 91)

In conducting this audit, the auditor may request any information from Vector, and any registry participant or operator. Information was provided by Vector in a timely manner in accordance with this rule.

Information was not required from any other participant in relation to this audit. I consider that Vector have complied with the requirements of this rule.

1.5 Draft Audit Report Comments

A draft audit report was provided to the industry body (GIC), the allocation agent, and allocation participants that I considered had an interest in the report. In accordance with the Gas (Downstream Reconciliation) Rules 2008 Rule 70.3 and the Gas (Switching Arrangements) Rules 2008 Rule 93.2, those parties were given an opportunity to comment on the draft audit report and indicate whether they would like their comments attached as an appendix to the final audit report. The following responses were received.

Party	Response	Comments provided	Attached as appendix
Vector Ltd	Comments on the draft audit report	22 June 2026 by email	Vector's comments have been added to the remedial action and audited party comment sections of the non-compliance and recommendation boxes within this report. One minor correction was made to Section 4.4 **Load shedding category accuracy** The count of ICPs with a load shed category of 6 assigned but the gas allocation code assigned by the retailer was 4 has been revised from two ICPs to one ICP.

1.6 Gas Gate and ICP Data

Vector operates across 16 gas gates involving a mix of direct connected gas gates for large industrial consumers and allocated gas gates where a number of retailers trade on these networks.

No gas gates have been created or decommissioned during the audit period.

The table below lists the relevant Gas Gates:

Gas Gate	Description
BMC17901	Bruce McClaren - Allocated at GTA03610
DRU15101	Drury 1
GTA03610	Greater Auckland[2]
HAR11802	Harrisville 2
HEN74101	Henderson Allocated at GTA03610
HUN15301	Hunua
KIG16801	Kingseat
PAP06610	Papakura - Allocated at GTA03610
PUK04201	Pukekohe
RAM15201	Ramarama
TUK06502	Tuakau 2
WKM17701	Waikumete - Allocated at GTA03610
WTK33901	Waitoki
WRK18901	Warkworth

[2] Gas Industry Co has determined the following grouped gas gates/notional delivery points for the purposes of the Rules: Greater Auckland (GTA03610): comprising Bruce McClaren (BMC17901), Henderson (HEN74101), Papakura (PAP06610), Waikumete (WKM17701) and Westfield (WST03610)

Gas Gate	Description
WEL18301	Wellsford
WST03610	Westfield - Allocated at GTA03610

1.7 ICP data

A registry list file was reviewed for 31 October 2025, and a summary of this data by "ICP status" is as follows:

ICP Status	Number of ICPs
New	46
Ready	417
Active Contracted (ACTC)	118,796
Active Vacant (ACTV)	1,783
Inactive Transitional (INACT)	7,844
Inactive Permanent (INACP)	2,753
Decommissioned (DECR)	11,834

2. General obligations

2.1 Participant registration information (Rules 7 and 10)

The Gas (Switching Arrangements) Rules 2008 rules 7, 8 and 10 require participants to provide accurate registration information to the registry operator.

Vector's participant registration information is current and accurate.

2.2 Obligation to act reasonably (Rule 34)

The Gas (Switching Arrangements) Rules 2008 rule 34 requires participants to act reasonably in relation to its dealings with the registry and use its reasonable endeavours to co-operate with other registry participants.

Processes for managing queries and complaints about Registry information were reviewed. No examples of Vector acting unreasonably were found.

2.3 Obligation to use registry software competently (Rule 35)

Each registry participant must ensure that any software for the registry is used in a proper manner by competent employees or by persons under the supervision of those employees.

No registry participant may request, permit, or authorise anyone other than the registry operator to provide support services in respect of any software for the registry.

Each registry participant must appoint a nominated manager to be responsible for all that registry participant's communications with the registry.

No examples of Vector using Registry software incompetently were found. Access to modify registry information is restricted, and staff are appropriately trained. Vector only uses Jade for Registry support services.

Compliance is confirmed.

3. Obligations as distributor

3.1 ICP creation (Rules 5.2, 43.1 and 43.2)

The Gas (Switching Arrangements) Rules 2008 rule 5.2 and rule 43 set out when ICPs are to be created, and the requirements for ICPs.

New connection process

The new connection process helps to ensure compliance with the rules and is documented in the table below.

Process step	Process step description
Customer request - Application receipt	The customer's request could arrive via the call centre; via the on-line portal or via a retailer and is managed in Siebel. The application process requires the supply of address, expected retailer and appliance information, which means the anticipated load can also be established. The start of the process is for the request to be determined as residential or commercial. Whether a customer is residential or commercial is determined by use, an apartment block or retirement village would be considered commercial. Residential requests are managed by Omexom and commercial requests by the Vector customer connection team, so they can assess whether the load can be managed and to determine the quote for the job.
Quote to customer	A quote for the job is sent to the customer
Customer acceptance	The acceptance of a quote in Siebel prompts a job in Gentrack to create and assign an ICP number to this accepted new connection request and sends the ICP number back to Siebel
Retailer notification and acceptance	The ICP is then notified to the expected retailer via Siebel to confirm their acceptance of being recorded as the proposed retailer for the ICP. The collected data is then revalidated and populated in the registry.
Raise and complete work order	A work request is then issued for the physical works and the coordination of the meter installation.
Update Gentrack and the registry with connection details	Vector ensure there is a single customer for each installation by waiting on the acceptance of a quote for the connection. Vector also do an address check and view the address on the GIS system. This ensures that there will not be any connections downstream of another ICP.

New connection compliance

To determine compliance with each of the requirements for new ICPs, I reviewed processes and checked all ICPs on the registry list generated on 31 October 2025. Vector's new connection process is designed to comply with the requirements of Gas (Switching Arrangements) Rules 2008 rules 5.2 and 43.

Gas (Switching Arrangements) Rules 2008 rule	Commentary
Rule **5.2** and **43.1.** An ICP must be created for each consumer installation, in the format specified under rule 5.2.	All ICPs are created in Gentrack in the appropriate format, with a check sum. All new ICPs created during the audit period were reviewed and confirmed that they were in a compliant format and accepted by the gas registry.
Rule **43.2.1** Each ICP must be able to be isolated without affecting any other consumer installation.	Vector does not allow ICPs to be connected downstream of other ICPs. Any applications that required this would be rejected. Every new ICP is assessed to ensure there is a separate riser and shutoff valve.
Rule **43.2.2** Each ICP must have a single loss factor and single network price category	Vector have only one loss factor that is used for all their ICPs. Each ICP which was not decommissioned had one loss factor and one price category assigned on the registry list.
Rule **43.2.3** Each ICP must have its energy measured by a single metering installation compliant with **NZS 5259**.	Vector does not allow ICPs to be connected downstream of other ICPs. Vector as distributor does not perform any additional checks in respect of the metering equipment compliance.

The ICP creation process has a range of checks to ensure that all required ICP attributes are populated and accurate.

Vector undertakes a search the Gentrack for the new connection address to ensure that there is not already an ICP with the same address.

If there are further changes to address information such as replacing lot numbers with full street address, then Vector is reliant on the retailer to notify Vector of this change.

Recommendation	Audited party comment
Implement a process to proactively monitor and escalate to the respective retailer the initial new connection addresses populated in the registry so that address attributes such a lot numbers can be updated as soon as possible once an ICP is livened.	Agree with recommendation Refer to audit section 4.6

ICP requirements

ICPs must be assigned for each consumer installation connected to Vector's distribution system. The ICP must represent a single point of connection, which:

- may be isolated from the distribution system or transmission system without affecting any other consumer installation,
- has a single loss factor and a single network price category; and
- has its gas volume measured directly by a single set of metering equipment complying with **NZS5259:2015** or measured indirectly by a method approved by the industry body.

To determine compliance with each of these requirements, I reviewed Vector's processes and checked all ICPs on the registry list generated on 31 October 2025. Compliance is confirmed.

ICP Format

Vector uses Gentrack to create ICP numbers. A review of the registry list LIS file confirmed that all ICPs are in the correct format.

3.2 ICP assignment (Rule 51.1, 51.2, 51.3, 53.1 and 53.4)

The Gas (Switching Arrangements) Rules 2008 rules 51 and 53 require distributors to assign an ICP within three business days of receiving a request for an ICP from a retailer or advise the retailer why they are unable to assign an ICP. Once they receive confirmation that the installation is connected, they must update ICP, creation date and address information within two business days, and any other ICP attributes within two business days of confirming them

5,173 new ICPs were created between 1 May 2022 and 31 October 2025. There were three TOU new connections, 34 AG4 connections and 4,964 AG6 connections.

Gas (Switching Arrangements) Rules 2008 rule	Commentary
51.2 The distributor must create an ICP or advise of the reasons if an ICP cannot be created within three business days of receiving a request.	The new connection process is discussed in detail in **section 3.1**. Vectors process requires the payment of the quoted amount to complete the new connection as a precondition. The completion of the payment of the quoted new connection amount is the last step in the new connection application process. I checked a sample of 23 new connections during the audit period and confirmed that the ICP numbers were created and advised to the retailer within three business days of the quote for new connection being accepted.
51.3 The distributor must update the ICP, creation date, distributor, and address on the registry within two business days of receiving confirmation the ICP is connected.	The GIS system is used to check addresses, establish the altitude, network pressure and pipe size. The relevant gas gate is established using coloured overlays on a Google Earth app I checked the timeliness of updates for the 5,173 ICPs which were connected during the audit period. All ICPs had distributor, address and pricing information recorded within two business days of the connection date.
53.1 The distributor must update the registry parameters within two business days of identifying the parameters, so that the registry can change the ICP status to READY-GIR status	The population of the registry is prompted by the payment of the quoted amount to complete the new connection by the applicant, not the completion of the gas connection as described by the rules. The registry is therefore populated in advance of the installation date so that no breaches of the timing for updating the registry parameters occur. Once the parameters are populated in the registry the upload is acknowledged by the registry and the status changed to READY. This occurs before the ICP is actually ready as the installation has not yet occurred. I checked the timeliness of updates for the 5,173 ICPs which were connected during the audit period. All ICPs had "ready" status recorded within two business days of the connection date.

I also checked the accuracy of new connections for all TOU new connections, 10 AG4 new connections and 10 AG6 new connections by matching the data recorded on the registry, Vectors open data portal, and to work order completion paperwork. All ICP attributes were found to be correct.

4. Registry information management (Rule 58.1 and 58.2)

The Gas (Switching Arrangements) Rules 2008 rules 58.1-58.2 require the distributor must use its reasonable endeavours to maintain current and accurate information in the registry.

There are a number of routes that could result in registry changes occurring:

- Alterations might be requested by the retailer via the logging of a job in Siebel. These might include reconnections, relocations, upgrades, decommissioning or meter changes.
- Retailers might send an email request, mostly these relate to address changes. These are entered into Siebel which feeds through to Gentrack and then into the registry.
- Ad hoc changes might arise from projects, such as a quality project focusing on a specific parameter such as altitude, system upgrades resulting in pressure changes, or a new load shed designation spreadsheet supplied by the GIC.

Since 1 May 2022 Vector have actioned:

- 329 address events
- 702 network events
- 472 pricing events
- 1,857 status events

Vector has some reports and processes to review the accuracy of some ICP attributes such as:

- Annual consumption to current load shed code
- Gas gate assignment checks to address post code.

However, due to changes in personnel these processes have not been performed for several months.

Vector do not currently undertake any regular reviews of the distributor ICP attributes recorded on the registry to their information held within Gentrack or their GIS system as required by rule 62.

Vector also has a process to decommission ICPs. Usually this is initiated by a request from a retailer which is lodged via Siebel. Vector had decommissioned 1,850 ICPs since 1 May 2022.

The audit took a number of approaches to establish the effectiveness of Vector's ICP maintenance processes.

- A review of a general sample of active ICPs split between:
  - ICPs created before May 2022
  - ICPs created during this audit period (May 2022 to October 2025)
- A comparison of a list extracted from Vector's Gentrack system, compared against a data extracted from the registry

Vector supplied a list of their ICPs from their Gentrack system. The list was compared with the registry list for all ACTC/ACTV ICPs. The alignment was generally good, the differences found are discussed under the relevant subheading below.

Registry acknowledgement files where an attempted notification fails to update the registry triggers a flag within Gentrack indicating a Failed Registry Acknowledgement. A Gentrack report is also generated to enable users to review the failed event and reattempt the registry update.

4.1 Network pressure

The rules governing ICP parameters as maintained by the distributors describe network pressure as "the value of the nominal operating pressure, expressed numerically in kilopascals, of the distribution system or transmission system to which the ICP's consumer installation is connected."

Vector conduct regular maintenance of District Regulator Stations (DRS) on a six monthly frequency The DRS maintenance schedule was reviewed to confirm that all DRS's have had the network pressures checked in the last six months.

Vector also maintains a maintenance schedule for street regulator stations (mini regulator stations supply a discrete group of ICPs at low pressure) on a 12 month frequency. This schedule was also reviewed to confirm these discrete network area pressures are reviewed and maintained.

Network pressure accuracy

A review of the accuracy of network pressures was undertaken by identifying streets where one or some ICPs on a particular street had one pressure and the majority of ICPs had a different pressure. 267 streets were identified and a sample of 44 streets were reviewed involving 196 connected ICPs with unexpected network pressures:

- For three Streets the network pressures were confirmed as being correct
- 167 ICPs were found to have an incorrect network pressure recorded on the registry. The difference in network pressure resulted in an impact less than 0.9% if a retailer was to have applied the Joule Thomson effect to the temperature factor

Vector were provided with the full list of streets where there is variable network pressures recorded to investigate further any potential exceptions.

A further check of network pressures recorded in Gentrack to the registry was undertaken and differences were identified for three ICPs. All three exceptions were found to have occurred prior to the audit period and as there is no regular review of Vectors information to the registry, these exceptions were not identified and corrected by Vector prior to the audit.

A list of the affected streets is in **Appendix 1**

Network pressure accuracy		
Non-compliance	Description	
Report section: 4.1 Rule: 58.1 From: 1 May 2022 to 31 October 2025	Audit history: Controls: Ineffective Impact: Minor	167 ICPs were found to have incorrect network pressures recorded on the registry. 3 ICPs have incorrect network pressures recorded on the registry when compared to Vector information.

Remedial action rating	Remedial timeframe	Remedial comment
Completed	Completed – 21/01/2026 June 2026	The originally identified issues have all been fixed. We have reviewed all 270 streets and made updates to 889 ICPs to correct network pressure issues.
Audited party comment		
The circumstances of the matters outlined in the breach notice.	Data entry errors (typos/incorrect inputs) and process not followed when network pressure upgraded.	
Whether or not the participant admits or disputes that it is in breach.	Breach admitted	
Estimate of the impact of the breaches (where admitted).	Please refer to the 'Impact Calculations – Audit Supporting 2026' file.	
What steps or processes were in place to prevent the breaches?		
What steps have been taken to prevent recurrence?	**Prevent**: 1. We will provide refresher training, although no incorrect pressure was found in last year's ICP sample. **2.** Review the process for upgrades. **Maintenance:** 1. Due to an issue with the existing report, we will change our methodology to run the LIS file and match it with the process performed by the auditor. 2. Assign a dedicated staff member to perform the check monthly. 3. Create a guide For issue where Vector information did not match the registry, refer to Section 4.9.	

4.2 ICP altitude

ICP altitude accuracy

It is a distributor responsibility to populate the registry with correct altitude information to support compliance with **NZS5259:2015**. **NZS5259:2015 Amendment No1** contains the following points, which affect the way altitude information should be managed:

- the maximum permissible error is ±1.0% where the meter pressure is below 100kPa and ±0.5% where the meter pressure is greater than 100kPa, and
- the following note is also included "To minimise uncertainty due to altitude factor the aim should be to determine the altitude to within 10m where practicable."

A sample of ten ACTC or ACTV ICPs was selected from the registry list as of 31 October 2025 where the standard deviation of altitude minimum and maximum values by street was more than ten standard deviations.

This sample of ICPs was checked against 'google earth' data. The 'google earth' data is based on the "Shuttle Radar Topography Mission" (SRTM) results and a number of recent studies indicate an accuracy of ± 10m for altitude. An evaluation against this data is considered an appropriate test for "reasonableness". Altitude figures that are within approximately 90m of the actual altitude will ensure an accuracy of ± 1.0%.

Ten ICP were found to have incorrect altitude values that were outside 20 metres from the google earth altitude value.

- ICP 1002154391QTE17 had differences greater than 90 metres resulting in altitude factor differences greater than ± 1.0%.
- nine ICPs had differences less than 90 metres.

All ten ICPs were identified by Vector as being domestic supplies therefore any impacted volumes were considered by Vector to be minor.

Six of these exceptions were new connections created during the audit period which were due to human error when populating Gentrack.

Recommendation	Audited party comment
Review new connection process to include a post livening review of an ICPs altitude to ensure the value is correct prior to use in the conversion of volume to energy by the respective retailer.	Agree with recommendation The recommendation is supported in principle, particularly in reducing potential retailer billing impacts. At present, implementation would require a manual review of all ICPs prior to livening, for which there is currently no efficient supporting system or reporting capability. A trial will be undertaken in June to assess whether this can be managed within current resourcing. In parallel, we will investigate alternative, more targeted approaches to identify potential errors without requiring a full manual review

A list of the affected ICPs is in **Appendix 2**

ICP altitude accuracy		
Non-compliance	Description	
Report section: 4.2 Rule: 58.1 From: 1 May 2022 to 31 October 2025	Audit history: Controls: Needs improvement Impact: Minor	Nine ICPs were found to have incorrect altitude over ± 20 metres ICP 1002154391QTE17 was found to an altitude over ± 90 metres resulting in an altitude factor which was over the maximum permissible error in NZS 5259:2015.

Remedial action rating	Remedial timeframe	Remedial comment
Completed	Completed – 19/05/2026	The originally identified issues have all been resolved.

Audited party comment	
The circumstances of the matters outlined in the breach notice.	Data entry errors (typos/incorrect inputs)
Whether or not the participant admits or disputes that it is in breach.	Breach Admitted
Estimate of the impact of the breaches (where admitted).	Please refer to the 'Impact Calculations – Audit Supporting 2026' file.
What steps or processes were in place to prevent the breaches?	
What steps have been taken to prevent recurrence?	**Maintenance**: 1. We will investigate options to identify and correct errors 2. Assign a dedicated staff member to perform the check monthly. 3. Create a guide For issue where Vector information did not match the registry, refer to Section 4.9.

4.3 Gas gate

The process for determining gas gates had not changed since the last audit. The relevant gas gate is established using coloured overlays on a Google Earth app based on the address of an ICP.

Vector does have an internal report that compares gas gate assignment to the ICP address post code. The monitoring of this report has been intermittent during the audit period and the last time this report was run was over nine months ago.

Gas gate accuracy

In October 2019, the Gas Industry Company published a table of average ground temperatures by gas gate to ensure the consistent application of the temperature factor by retailers for both reconciliation and billing purposes. Where the gas gate is incorrectly assigned to an ICP the flow on affect is on the correct calculation of the temperature factor by retailers.

The accuracy of gas gates was reviewed by checking for streets where some of the ACTC or ACTV ICPs on a particular street had one gas gate and the remaining ICPs had a different gas gate. I also compared the town recorded in addresses for ACTC and ACTV ICPs. I did not identify any exceptions.

A review of gas gate allocations by street name and suburb was undertaken to identify street and suburb combinations where more than one gas gate is assigned and found 651 street and suburb combinations where this occurs.

Most exceptions relate to gas gates that make up a greater gas gate grouping and were due to human error when manually assigning the gas gate to the ICP on the registry. The impact is limited to temperature factor inaccuracies.

A sample of ten street and suburb combinations with multiple gas gate assignments were reviewed and found that 29 ICPs were assigned the incorrect gas gate. 21 of these ICPs were created during the audit period and the cause was identified as human error when creating the ICP. The eight

historical gas gate errors were found to be vectors system selecting a historic gas gate assignment when performing a load shed code update on the registry. Vector is investigating why this has occurred.

All 29 exceptions (**Appendix 3**) from the sample of ten streets reviewed have had the gas gates assignments updated.

Vector were provided with the full list of streets where there are variable gas gate assignments recorded to investigate further any potential exceptions.

I re-checked the ICPs found to have incorrect gas gates during the previous audit and found they had been resolved.

ICP type accuracy

A review of ICP type by gas gate was undertaken to identify potential mismatches between gas gate and ICP type. Four mismatches were of this combination were identified and found:

- ICP 0000036301QT5B9 was assigned to the incorrect gas gate
- Three ICPs (Appendix 3) were assigned an incorrect ICP type.

<table>
<tr><td colspan="4">Gas gate accuracy</td></tr>
<tr><td>Non-compliance</td><td colspan="3">Description</td></tr>
<tr><td>Report section: 4.3
Rule: 58.1
From: 1 May 2022 to 31 October 2025</td><td>Audit history:
Controls: Needs improvement
Impact: Minor</td><td colspan="2">From a sample of ten street and suburb combinations with multiple gas gate assignments 29 ICPs were found to have an incorrect gas gate assigned.
ICP 0000036301QT5B9 was assigned to the incorrect gas gate
Three ICPs were assigned an incorrect ICP type.</td></tr>
<tr><td colspan="2">Remedial action rating</td><td>Remedial timeframe</td><td>Remedial comment</td></tr>
<tr><td colspan="2">In progress</td><td>Completed – 05/01/2026

August 2026</td><td>The originally identified issues have all been fixed.
Instead of using the 651 streets and suburbs identified by the auditor, we are using our internal report to monitor gas gate assignments against ICP address postcodes to verify accuracy. We are approximately 60% complete and expect to finish within the timeframe.</td></tr>
</table>

Audited party comment	
The circumstances of the matters outlined in the breach notice.	**Gas gate accuracy**: Data entry errors (typos/incorrect inputs) and a potential system error, which is currently under investigation. **ICP type accuracy:** Data entry errors (typos/incorrect inputs)
Whether or not the participant admits or disputes that it is in breach.	Breach admitted
Estimate of the impact of the breaches (where admitted).	Please refer to the 'Impact Calculations – Audit Supporting 2026' file.
What steps or processes were in place to prevent the breaches?	**Gas gate accuracy**: 1. An internal report is available to monitor gas gate assignment against ICP address postcodes. 2. Guide was created on 10/02/2026. 3. Training was provided to staff who populate the gas gate information on how to identify the correct gas gate on 17/12/25
What steps have been taken to prevent recurrence?	**Gas gate accuracy**: **Maintenance:** Assign a dedicated staff member to perform monthly checks and continue using our internal report to compare gas gate assignments with ICP address postcodes, correcting any remaining issues. **ICP type accuracy:** **Maintenance**: Monthly checks will be carried out to ensure ICPs are assigned the correct type For issue where Vector information did not match the registry, refer to Section 4.9.

4.4 Load shedding category

Vector has a two-step process to assign and maintain load shed categories:

- Initial set up - When creating a new connection, Vector does not yet know the actual consumption. Therefore, an estimate is based on the application details provided by the customer.
    - Residential: The system automatically assigns the load shedding category as DOM (Domestic).
    - Commercial: The system uses the estimated annual load from Siebel to determine the initial load shedding category.

- Maintenance – Vector has a process to review and update load shedding categories. A report identifies all commercial ICPs and calculates actual annual consumption based network reporting volumes for the past 12 months.

Load shedding category accuracy

The load shedding category identifies the position of the ICP's consumer installation in the hierarchy for emergency curtailment of gas. Load shedding categories and codes are determined and published by the industry body from time to time and are consistent with the curtailment bands **under Schedule 3 of the Gas Governance (Critical Contingency Management) Regulations 2008**.

A review of the registry list as of 31 October 2025 was undertaken of load shedding categories against gas allocation group codes did identify 19 ICPs (**Appendix 4**) with an incorrect load shed category code:

- 16 ICPs with a load shed category of DOM assigned but the network price category code indicated the ICP was commercial not residential
- one ICP with a load shed category of 6 assigned but the gas allocation code assigned by the retailer was 4
- One ICP with a load shed category of 3 but the gas allocation code assigned by the retailer was 4

A further review of the registry list as of 31 October was undertaken to ensure that all ICPs with a load shedding category code of 7 (Critical care designation) were also present on the most recent GIC list of active critical care designations (18 December 2025). ICP 0000933991QT869 did not appear to be present in the active designations list at the time of the field audit. Vector had attempted to update the load shed category on 17 June 2025 however this attempted update to the registry failed. As there is no active process to monitor discrepancies between Vectors Gentrack system and the registry, this failed update was not detected.

I rechecked discrepancies identified during the previous audit and found all had been resolved.

Load Shedding Categories		
Non-compliance	Description	
Report section: 4.4 Rule: 58.1 From: 1 May 2022 to 31 October 2025	Audit history: Controls: Needs Improvement Impact: Insignificant	Data analysis of the load shedding category against other registry fields identified 17 ICPs with incorrect categories. ICP 0000933991QT869 had a designation of 7 (Critical care designation) however this ICP is not currently listed on the GIC website of active critical care designations. The impact has been categorised as insignificant as there has not been a Critical Contingency curtailment event in any Vector network area. Critical Contingencies are rare, but the potential impact of incorrect categories is major should an event occur.

Remedial action rating	Remedial timeframe	Remedial comment
Completed	Completed – 15/01/26	The originally identified issues have all been fixed.
Audited party comment		
The circumstances of the matters outlined in the breach notice.	**Issue 1**: **14 ICPs with incorrect categories:** Although the information was updated in Gentrack, the change was applied with a backdated effective date. This prevented the update from flowing through to the latest registry activity, resulting in the data being overwritten by older records. **Issue 2: 1 ICP of designation of 7:** No active process to monitor discrepancies between Vector's Gentrack system and the registry, the failed update in Gentrack was not detected.	
Whether or not the participant admits or disputes that it is in breach.	Breach Admitted	
Estimate of the impact of the breaches (where admitted).	No impact	
What steps or processes were in place to prevent the breaches?	• An internal report is available to check that commercial ICPs are not on residential price plan and have the correct load shedding categories (1–6). • An internal report is available to check that residential ICPs are not on commercial price plan and have load shedding category DOM	
What steps have been taken to prevent recurrence?	**Prevent**: **Issue 1:** Ensure effective dates are reviewed and confirmed prior to updating Gentrack to avoid updates being overridden by historical records. This will be shared with the team. **Maintenance**: Assign a staff member to continue monthly checks using the internal report and the GIC website. The guide will also be created. For **Issue 2**, where Vector information did not match the registry, refer to Section 4.9.	

4.5 Maximum hourly quantity

The maximum hourly quantity (MHQ) is the maximum quantity of gas in cubic metres that gas consuming equipment in the installation is capable of drawing per hour. MHQ is mandatory only where it is used to determine the distributor's network charges.

MHQ accuracy

Registry MHQ values were compared to a list of MHQ values from Vector's Gentrack system. Two exceptions[3] were identified and the Registry value was confirmed as incorrect. Both exceptions have now been corrected.

maximum hourly quantity (MHQ) accuracy			
Non-compliance	Description		
Report section: 4.5 Rule: 58.1 From: 1 May 2022 to 31 October 2025	Audit history: Controls: Adequate Impact: Insignificant	The MHQ values for ICPs1002071401QT473 and 1002108958QT557 were found to be incorrect on the registry.	
Remedial action rating	Remedial timeframe	Remedial comment	
Completed	Completed – 9/01/2026	The originally identified issues have all been fixed.	
Audited party comment			
The circumstances of the matters outlined in the breach notice.	Error was in 2019-2020, and ICP was manually created, the wrong value was entered in registry. Since this time, we have automated ICP creation, so these errors no longer occur.		
Whether or not the participant admits or disputes that it is in breach.	Breach Admitted		
Estimate of the impact of the breaches (where admitted).			
What steps or processes were in place to prevent the breaches?			
What steps have been taken to prevent recurrence?			

4.6 Physical address

Physical address information is recorded in Gentrack and the registry.

When creating ICPs, Vector validates addresses by checking the application details against their GIS system, which contains LINZ data. If there are any discrepancies, they are queried with the applicant.

[3] ICPs 1002071401QT473 and 1002108958QT557

Physical address accuracy

The physical address assigned by the distributor to the ICP's consumer installation, so that the ICP can be unambiguously identified with the consumer installation, in the registry.

I checked the registry list as of 31 October 2025 for incomplete and duplicated addresses.

- The address for 1,884 ICPs on the registry appeared incomplete as there is no address number or property name to assist locating the ICP. A sample of 53 ICPs were reviewed and found:
    - 33 ICPs (**Appendix 5**) had addresses which were not readily locatable and did not include a physical address unit, physical address number or property name. 18 were created prior to the audit period.
- Analysis identified that there are 273 ICPs with duplicate addresses involving 128 unique addresses. A sample of 16 addresses were reviewed and found:
    - 32 ICPs (**Appendix 5**) had duplicate addresses and were created prior to the audit period. The addresses for ten ICPs have been updated and Vector is investigating the other 22 ICPs.
- Analysis of metered ICPs but with no street number or property name identified seven ICPs

Where there is a subsequent change to address information on a retailer's request, such as replacing lot numbers with full street address, Vector does not first confirm that the proposed address does not already exist within Gentrack of the Registry.

Recommendation	**Audited party comment**
Implement a step in the address update process to first search the registry for any proposed change of address to ensure it is unique and that an ICP has not already been created for this updated address.	Agree with recommendation

I confirmed that all ICPs created during the audit period had unique and readily locatable addresses.

Physical address accuracy		
Non-compliance	Description	
Report section: 4.6 Rule: 58.1 From: 1 May 2022 to 31 October 2025	Audit history: Controls: Needs improvement Impact: Insignificant	33 ICPs had addresses which were not readily locatable and were corrected during the audit. 32 ICPs had duplicate addresses recorded. Ten were updated to be unique during the audit.

Remedial action rating	Remedial timeframe	Remedial comment
In progress	May 2026 On-going	Of the 30 ICPs identified with duplicate addresses, the remaining 20, 12 have since been resolved, with **8** still pending retailer confirmation. **Duplicated**: We will review the list of duplicate 273 ICPs and correct any identified errors, while also carrying out root cause analysis and implementing measures to prevent recurrence.
Audited party comment		
The circumstances of the matters outlined in the breach notice.	**Duplicated**: Cause is unknown at this stage and will be determined through root cause analysis. **Not readily locatable**: human error, where the required information was not entered.	
Whether or not the participant admits or disputes that it is in breach.	Breach Admitted	
Estimate of the impact of the breaches (where admitted).		
What steps or processes were in place to prevent the breaches?		
What steps have been taken to prevent recurrence?	**Prevent**: **Duplicated**: To be determined following root cause analysis. **Not readily locatable:** Training will be provided **Maintenance:** For both **not readily locatable** and **duplicated** ICPs identified: 1. Assign staff to work through the ICPs with identified issues, using billing addresses, council maps/DP information, updating available addresses, and contacting retailers where required. 2. Develop a report using the LIS file aligned with the auditor's process to perform check monthly and create a supporting guide.	

4.7 Decommissioned status (Rules 59.11 and 59.12)

Decommissioned status (DECR) may only be assigned where:

- the ICP is removed from future switching and reconciliation processes, and
- any associated consumer installation is no longer connected to the distribution system.

The decommissioned ICP status may only be changed to inactive-permanent (INACP).

The decommissioning process is initiated once the retailer has moved the ICP to "inactive – permanent" status and an application has been received from the retailer in Seibel to disconnect the service pipe. Vector checks that the ICP is genuinely ready to be decommissioned and confirms that the retailer has the customer's approval for decommissioning. Seibel is used to manage the decommissioning process. Once work completion paperwork is received, Gentrack is updated with the decommissioning details and the update flows through to the registry.

A review of the event detail report for the period1 May 2022 to 31 October 2025 found 1,850 ICPs were updated to DECR status during the period. 464 updates were performed more than 30 days after the event date. A sample of 30 updates were reviewed and found:

- seven late updates were due to either human error or a system issue that delayed the timely update of the decommissioned status.
- 23 updates were delayed as the retailer had not completed their status update to inactive – permanent on the registry preventing Vector to complete their status event update.

2,720 ICPs are at INACP-GPM status which have not been decommissioned. A sample of 20 were reviewed to identify why these have yet to be transitioned to decommissioned status:

- two ICPs[4] were confirmed that the service line has been isolated at the main and that a request to decommissioning these ICPs had been received by Vector however the registry update had failed and as there is no regular monitoring of Gentrack to registry data, this error was not corrected at the time.
- Vector has not received a request to disconnect the service pipe for the other 18 ICPs.

<table>
<tr><th colspan="4">Decommissioned status accuracy</th></tr>
<tr><th>Non-compliance</th><th colspan="3">Description</th></tr>
<tr><td>Report section: 4.7
Rule: 59.11
From: 1 May 2022 to 31 October 2025</td><td>Audit history:
Controls: Adequate
Impact: Insignificant</td><td colspan="2">Two ICPs were found to be decommissioned but the registry had not been updated with the correct status.</td></tr>
<tr><th>Remedial action rating</th><th>Remedial timeframe</th><th colspan="2">Remedial comment</th></tr>
<tr><td>Completed</td><td>Completed - 18/12/2025</td><td colspan="2">The originally identified 2 ICPs have been fixed</td></tr>
</table>

[4] 0000001711QT659 and 1001156266QT245

Audited party comment	
The circumstances of the matters outlined in the breach notice.	Human error
Whether or not the participant admits or disputes that it is in breach.	Admitted Breach
Estimate of the impact of the breaches (where admitted).	No impact
What steps or processes were in place to prevent the breaches?	
What steps have been taken to prevent recurrence?	Review the INACP-GPM list and correct any identified errors, while also carrying out root cause analysis and implementing measures to prevent recurrence.

4.8 Connection statuses (Rule 60)

Connection status accuracy

The distributor must ensure the correct status change date is recorded in the registry. The registry list as of 31 October 2025 was reviewed and found three ICPs with meters recorded as being installed for more than 12 months where the status remains at READY status.

ICP number	Proposed retailer	Meter install date
0000504561QT3F0	Contact Energy	14 September 2015
1002182915QT9CC	Genesis Energy	24 November 2023
1002164232QT2E0	Genesis Energy	28 May 2024

1002164232QT2E0

Initially Hanergy was assigned as proposed retailer with an event date of 21 July 2022. This network event has since been reversed and replaced with an event with Genesis Energy as proposed retailer with the same event date and with an update date of 21 April 2026. Genesis has not yet claimed this ICP.

The delay in providing the metering information to the proposed retailer was due to some confusion around the correct address for two connections at this multi lot development. Initial meter installation paperwork provided the same ICP number (1002189811QTE22) for two different meter numbers. Event when this issue was resolved the meter docket received by Hanergy incorrectly stated the retailer was Genesis.

The registry was updated with a correct metering information and an event date of 28/5/2024 and an update date of 05/06/2025. A prior incorrect metering event was uploaded with an event date of 20/12/2023 on 17/10/2024.

By the time Bluecurrent resolved the ICP & meter relationships for both affected ICPs, the electricity supply for the supply address had switched to Genesis – therefore Hanergy no longer had an agreement with the consumer.

0000504561QT3F0

Sometime between 1997 and July 2008, gas ICP 0000504561QT3F0 was created by Vector and Contact Energy was populated as proposed retailer.

On 18 April 2012 – the electricity supply for the same physical address switched away from Contact Energy to another retailer ending the relationship Contact had with the consumer. Up to this point in time did Contact challenge this proposed retailer assignment with Vector Networks.

The gas new connection was physically completed 14 September 2015 – Vector network and had requested Contact to formally claim this ICP. Contact advised Vector network that they did not hold a current customer agreement for this ICP / supply therefore they would not be claiming this ICP.

Vector Network did not investigate further whether another retailer (possibly the retailer for the electricity supply) should claim this ICP. Vector also has not undertaken its own site visit to determine who should be the retailer for this ICP, especially given that in;

- 2015 when Contact advised it did not have a consumer agreement in place for this ICP when requested by Vector Networks to claim this ICP after a subsequent follow up by Vector Network.
- 2021 when Contact formally requested to be removed as the proposed retailer. Affected period September 2015 to current.

To resolve this long standing scenario of a connected ICP without a retailer assignment, I recommend that Vector Networks:

Recommendation	Audited party comment
To resolve the issue with ICP 0000504561QT3F0 being a connected ICP without a retailer assignment, I recommend that Vector Networks: • Liaises with the current retailer for the electricity supply to propose they claimed the ICP as the current retailer for the electricity supply, from 14 September 2015 and any relevant consumption volume is submitted to the allocation agent via the available revisions, • Undertakes its own site visit as part of a vacant / unclaimed ICP, to enable the occupier to advise Vector the retailer it has or intends to have a gas supply agreement with. This will enable the proposed retailer attribute of the registry to be correctly populated, • If either or both of the above steps are unsuccessful in a retailer taking responsibility for this ICP, then Vector should consider progressing a disconnection of this supply.	Agree with the recommendation and will undertake this work

1002182915QT9CC

Vector Network initially assigned Contact Energy as proposed retailer on 20 July 2023.

Vector updated the proposed retailer to Genesis Energy on 30 October 2023. However, Bluecurrent (formally Vector Metering) did not amend its records to reflect the change in proposed retailer.

On 24 November 2023 the gas connection was completed and metering installed and Genesis has been the retailer for the electricity supply since 10 November 2023.

Metering paperwork was initially sent to Contact in error – Contact immediately advised Bluecurrent that they were not the proposed retailer for this ICP. Bluecurrent have no record that the metering paperwork was then provided to Genesis. Bluecurrent did populate the metering information on the registry in November 2023 so that a retailer intending to claim a new connection ICP would be notified via a registry notification[5] that an ICP has been connected and metering is in place. Bluecurrent has advised it is reviewing its process to monitor ICPs in 'READY' status to consider this rare scenario of a change in proposed retailer so that the registry population of metering information is supported by the delivery of the metering paperwork.

While it is the responsibility of the retailer to ensure the initial active status event is accurate and timely it is recommended that Vector monitors this activity with its completed fieldwork information to ensure the registry is correctly populated by all responsible participants in a timely manner.

Recommendation	Audited party comment
Consider implementing process to monitor new connection ICPs to ensure that: • Proposed retailers for ICPs at READY state for an extended period of time have confirmed that they still have an agreement in place with the consumer. • Once a new connection has been confirmed as connected, that an accurate and timely active status is populated on the registry by the responsible retailer.	Due to current resource and time constraints, this recommendation will not be implemented at this time. Our immediate priority is to address existing errors and implement preventative measures in our non-compliance areas. This recommendation may be reconsidered as capacity allows in the future

Review of the event detail report for 1 May 2022 to 31 October 2025 found all status updates related to updates to NEW and READY for new connections, which are discussed in **section 3**. No evidence of incorrect statuses or status dates, or late updates were found.

A further review of ICPs with the status of NEW using a registry LIS report dated 31 October 2025, identified 43 ICPS where the status has historically reverted back from READY to NEW all with an event date of 25 August 2020. Vector have investigated these ICPs and identified that this was due to the expected retailer being removed from their registry management system which triggered both a network and status event update.

Recommendation	Audited party comment
Review whether the list of 43 historical NEW ICPs with no expected retailer are still required and there is an open work order for these ICPs otherwise progress these ICPs to a decommissioned state.	Accept Recommendation

4.9 Registry validation and correction (Rules 61.1 and 62)

Rule 61.1 requires responsible distributors to update and correct registry information as soon as practicable once they become aware that information is incorrect or requires updating.

The timeliness and accuracy of registry updates was checked:

[5] NOT20231130003523.txt to GENG 30/11/2023 00:35:46

The event detail report recorded 329 address updates. All were made within ten business days of the event date.

The event detail report recorded 702 network updates, with an average of two business days between the event date and update date. 679 (94.3%) were made within ten business days of the event date, 695 (96.5%) were made within 30 business days of the event date.

I sampled the seven updates over 30 days which did not relate to new connections. The timeliness of new connections is discussed in section 3.1.

- six late updates were corrections to load shedding categories requested by retailers, and Vector processed the updates to the date of the request was received.
- one was a network pressure correction processed as soon as practicable after Vector confirmed the correct network pressure and backdated this change to the correct event date.

Pricing

The event detail report recorded 474 pricing updates. 416 (87.7%) were made within ten business days of the event date, 451 (95.1%) were made within 30 business days of the event date.

I checked the 21 lates updates not relating to new connections and found:

- seven were price changes mostly to or from residential price category codes that reflect a consumer move in date, and
- 14 were related to MHQ value revisions.

The pricing updates were processed with the correct event dates and attributes.

Status

Updates to" new" and "ready" statuses are discussed under new connections in section 3.1.

The event detail report recorded 1,850 decommissioned status updates. 860 (46.5%) were made within ten business days of the event date, 1,386 (74.9%) were made within 30 business days of the event date.

I checked the ten longest updates and found:

- seven were delayed because Vector needed the retailer to update the status to INACP from the work completion date before they could move the ICP to decommissioned status,
- three ICPs had had system errors which were not initially corrected resulting in delays updating the registry

The distributor registry report should be reviewed, and any corrections required should be entered on the registry by 4pm on the 15th business day of the month.

During the field audit it was found that due to personnel changes during the audit period at Vector that the previous data checking of gas gate validation' and annual consumption to load shed code processes were not actively being performed. The field audit also identified that there is no current process to compare data from Gentrack to the registry to enable discrepancies to be identified.

Recommendation	Audited party comment
Implement a process to monitor the accuracy and investigate any exceptions of distributor information between the registry and Gentrack and any other systems and ensure the registry is updated as soon as an exception is confirmed.	Accept recommendation

Registry validation and correction			
Non-compliance	Description		
Report section: 4.9 Rule: 62 From: 1 May 2022 To: 31 October 2025	Audit history: None Controls: Ineffective Impact: Minor	Vector do not undertake regular reviews of the distributor ICP attributes recorded on the registry to their information held within Gentrack or their GIS system	
Remedial action rating	Remedial timeframe	Remedial comment	
In progress	Complete August 26	The originally identified issues have all been fixed. We will implement a process to reconcile Gentrack data against the registry to identify and correct existing discrepancies.	
Audited party comment			
The circumstances of the matters outlined in the breach notice.	No current process performed to compare data from Gentrack to the registry to enable discrepancies to be identified		
Whether or not the participant admits or disputes that it is in breach.	Breach admitted		
Estimate of the impact of the breaches (where admitted).			
What steps or processes were in place to prevent the breaches?	We have established reports for Network Pressure, ICP Altitude, Gas Gate, Load Shed, and Network Price Category to identify mismatches between the Vector system and the registry.		
What steps have been taken to prevent recurrence?	Maintenance 1. Assign a dedicated staff member to perform the check monthly. 2. Create a guide		

5. Creation and decommissioning of a gas gate (Rule 45.1 and 45.2)

If a distributor intends to create or decommission a gas gate, the distributor must, at least 20 business days before the creation or decommissioning takes effect, give notice of that gas gate creation or decommissioning. The notice must contain the gas gate codes, the creation or decommissioning date, the parent gas gate if applicable and the ICP identifiers affected.

No gas gates were created or decommissioned during the audit period, and Vector are aware of the notification requirements.

6. Management of network price category codes (Rule 46)

Network Pricing Category

The process for determining the network pricing category is performed as part of the new connection process and also when a request is received from a retailer for a tariff change / review of the network price category.

A review of new ICP load shedding categories against distribution network price category code identified six exceptions and found:

- Two ICPs (0000876871QT30E and 0001419669QT2F3) with load shed category of DOM assigned but with a non-residential distribution price category code. Both ICPs were confirmed as residential and the distribution network price category code has now been updated
- four ICPs with a load shed category of DOM assigned but with a non-residential distribution price category code. All four ICPs were confirmed as commercial and the load shed category has now been updated to 6.

Recommendation	**Audited party comment**
Review the distribution network price category codes for ICPs where the load shed category and gas allocation group codes indicate the network capacity for these installations may have changed.	**Response:** Agree with recommendation **Comments:** Accept recommendation.

Management of network price category codes			
Non-compliance	Description		
Report section: 6 Rule: 46 From: 1 May 2022 To: 31 October 2025	Audit history: None Controls: Ineffective Impact: Minor	ICPs 0000876871QT30E and 0001419669QT2F3 were recorded with an incorrect distribution network price category code on the registry.	
Remedial action rating	Remedial timeframe	Remedial comment	
Completed	Completed - 13/01/2026	The originally identified issues have all been fixed	

Audited party comment	
The circumstances of the matters outlined in the breach notice.	Human error
Whether or not the participant admits or disputes that it is in breach.	Breach Admitted
Estimate of the impact of the breaches (where admitted).	
What steps or processes were in place to prevent the breaches?	Refer to report section 4.4
What steps have been taken to prevent recurrence?	Refer to report section 4.4

7. Management of loss factor codes

Vector monitors unaccounted for gas (UFG) on their networks and liaises with the Gas Industry Company where the rolling 12 month UFG exceeds ±2%.

7.1 Distributors to determine loss factor codes (Rule 47.1 and 47.2)

Each distributor must publish and maintain a schedule of all the loss factors (if any) which apply to gas gates on the distributor's distribution system; and maintain the respective codes for those loss factors.

All ICPs which are not decommissioned have loss factor code VECG1 applied. The loss factor codes were examined on the Gas Registry. No loss factor codes have been changed, added, or removed since VECG1 was last updated in 2012.

7.2 The addition or deletion of loss factor codes (Rule 48)

If a distributor intends to add or delete any loss factor codes, the distributor must give at least 20 business days' notice to the registry operator, the allocation agent, and all retailers that will be affected by the change.

Vector is aware of the notification requirements. The loss factor codes were examined on the Gas Registry. No loss factor codes have been changed, added, or removed since VECG1 was last updated in 2012.

8. Disclosure on application (Rule 50)

Each distributor must determine, publish, and maintain a schedule of its network price categories and the respective network price category codes and, except where the distributor requires disclosure on application in accordance with **rule 50**, the charges associated with each of those codes.

Disclosure on application may only be used where the participant does not have a reasonably practicable alternative method of protecting its commercial interest in that information, and to the extent necessary to reasonably protect that interest.

Requests for disclosure on application must be responded to within one business day, to confirm whether the information will be provided. The information must be provided within a further business day.

Vector's policy is to provide information requested on application as soon as possible.

A sample of five disclosure on application requests received during the audit period were reviewed. Four were responded to on the same day the request was received. One request took three business days as the request was submitted to another part of Vector in error.

9. Recommendations

As a result of this performance audit, I recommend Vector:

- Implement a process to proactively monitor and escalate to the respective retailer the initial new connection addresses populated in the registry so that address attributes such as lot numbers can be updated as soon as possible once an ICP is livened.
- Review whether the list of 43 historical NEW ICPs with no expected retailer are still required and whether there is an open work order for these ICPs otherwise progress these ICPs to a decommissioned state.
- Implement a step in the address update process to first search the registry for any proposed change of address to ensure it is unique and that an ICP has not already been created for this updated address.
- Consider implementing process to monitor new connection ICPs to ensure that an accurate and timely active status is populated on the registry by the responsible retailer.
- To resolve the issue with ICP 0000504561QT3F0 being a connected ICP without a retailer assignment, I recommend that Vector Networks:
    - Liaises with the current retailer for the electricity supply to propose they claimed the ICP as the current retailer for the electricity supply, from 14 September 2015 and any relevant consumption volume is submitted to the allocation agent via the available revisions,
    - Undertakes its own site visit as part of a vacant / unclaimed ICP to enable the occupier to advise Vector the retailer it has or intends to have a gas supply agreement with. This will enable the proposed retailer attribute of the registry to be correctly populated,
    - If either or both of the above steps are unsuccessful in a retailer taking responsibility for this ICP, then Vector should consider progressing a disconnection of this supply.
- Consider implementing process to monitor new connection ICPs to ensure that:
    - Proposed retailers for ICPs at READY state for an extended period of time have confirmed that they still have an agreement in place with the consumer.
    - Once a new connection has been confirmed as connected, that an accurate and timely active status is populated on the registry by the responsible retailer.
- Implement a process to monitor the accuracy and investigate any exceptions of distributor information between the registry and Gentrack and any other systems and ensure the registry is updated as soon as an exception is confirmed.
- Review the distribution network price category codes for ICPs where the load shed category and gas allocation group codes indicate the network capacity for these installations may have changed.

Appendix 1 – Network pressure discrepancies

Network pressure exceptions from street review

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002044996QT55A	UNLG	WTK33901	ACTC	210	400		33	ASCENSION CRESCENT	OREWA	Auckland	2.75
1002069612QTDF8	UNLG	PAP06610	ACTC	110	100		46	ASPIRING AVENUE	CLOVER PARK	Auckland	2.75
1002205371QTACD	UNLG	PAP06610	ACTC	200	400		42	BARLEY ROAD	FLAT BUSH	Auckland	2.75
1002055287QT9FD	UNLG	HEN74101	ACTC	210	400		317 A	BEACH ROAD	MAIRANGI BAY	Auckland	2.75
1002050597QTB72	UNLG	WTK33901	ACTC	210	400		119	BONAIR CRESCENT	SILVERDALE	Auckland	2.75
0002378580QT823	UNLG	PAP06610	ACTC	100	400		6	BROADHURST ROAD	FLAT BUSH	Auckland	2.5
1002050585QT15A	UNLG	PAP06610	ACTC	210	400		9	BROADHURST ROAD	FLAT BUSH	Auckland	2.75
1002138882QT2AC	UNLG	PAP06610	ACTC	35	400		21	BROADHURST ROAD	FLAT BUSH	Auckland	2.75
0002377373QTB92	UNLG	PAP06610	ACTC	100	400		22	BROADHURST ROAD	FLAT BUSH	Auckland	2.5
0000237078QT4CE	UNLG	PAP06610	ACTC	100	400		24	BROADHURST ROAD	FLAT BUSH	Auckland	2.5
0000236616QTF03	UNLG	PAP06610	ACTC	100	400		28	BROADHURST ROAD	FLAT BUSH	Auckland	2.5
0001450930QTC90	UNLG	PAP06610	ACTC	100	400		43	BROADHURST ROAD	FLAT BUSH	Auckland	2.75
1002049459QT243	UNLG	PAP06610	ACTC	400	200		48	BRYLEE DRIVE	CONIFER GROVE	Auckland	2.75
1001293226QTFC4	UNLG	WST03610	ACTC	400	?	7	27	CAIN ROAD	PENROSE	Auckland	2.75
1001275853QT561	UNLG	WST03610	ACTC	400	200		1 E	CAIN ROAD	PENROSE	Auckland	7
1002168204QTF17	UNLG	WST03610	ACTC	210	400		17	CARNARVON AVENUE	GLENDOWIE	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002112863QT3DE	UNLG	PAP06610	ACTC	110	100		20	CHIEFTAIN RISE	GOODWOOD HEIGHTS	Auckland	2.75
1002048166QTEC0	UNLG	PAP06610	ACTC	100	400		2	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002057368QT6DD	UNLG	PAP06610	ACTC	100	400		3	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002051913QT29E	UNLG	PAP06610	ACTC	100	400		6	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002045887QTB16	UNLG	PAP06610	ACTC	100	400		9	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002105721QT270	UNLG	PAP06610	ACTC	35	400		10	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002060317QT912	UNLG	PAP06610	ACTC	100	400		17	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002068670QT32D	UNLG	PAP06610	ACTC	100	400		19	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002080963QTA32	UNLG	PAP06610	ACTC	35	400		23	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002077229QT8F4	UNLG	PAP06610	ACTC	35	400		25	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002075817QT5DD	UNLG	PAP06610	ACTC	35	400		28	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002062908QT52B	UNLG	PAP06610	ACTC	110	400		30	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002140913QTFB3	UNLG	PAP06610	ACTC	35	400		32	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002060337QT447	UNLG	PAP06610	ACTC	35	400		38	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002067360QT5E5	UNLG	PAP06610	ACTC	110	400		52	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002075296QT6D8	UNLG	PAP06610	ACTC	35	400		58	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002075293QTB97	UNLG	PAP06610	ACTC	35	400		60	COOLADAWSON DRIVE	FLAT BUSH	Auckland	2.75
1002165398QT0CA	UNLG	WST03610	ACTC	210	400		20	CRESCENT ROAD	PARNELL	Auckland	2.75
1002049953QT5DA	UNLG	PAP06610	ACTC	100	400		10	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002154211QT259	UNLG	PAP06610	ACTC	35	400		11	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002041494QT7F7	UNLG	PAP06610	ACTC	35	400		12	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002145942QTCDE	UNLG	PAP06610	ACTC	35	400		13	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002060055QT831	UNLG	PAP06610	ACTC	100	400		14	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002146247QT07F	UNLG	PAP06610	ACTC	35	400		15	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002046980QTD38	UNLG	PAP06610	ACTC	100	400		16	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079124QTC6C	UNLG	PAP06610	ACTC	35	400		22	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079508QTE26	UNLG	PAP06610	ACTC	35	400		24	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079123QT1A6	UNLG	PAP06610	ACTC	35	400		26	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079122QTDE3	UNLG	PAP06610	ACTC	35	400		28	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079121QT123	UNLG	PAP06610	ACTC	35	400		30	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079120QTD66	UNLG	PAP06610	ACTC	35	400		32	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079117QT754	UNLG	PAP06610	ACTC	35	400		34	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002079116QTB11	UNLG	PAP06610	ACTC	35	400		36	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002156553QTC3B	UNLG	PAP06610	ACTC	110	400		37	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002080394QTDE5	UNLG	PAP06610	ACTC	35	400		38	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002080393QT02F	UNLG	PAP06610	ACTC	35	400		40	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002148374QTA83	UNLG	PAP06610	ACTC	35	400		41	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002152914QT9D8	UNLG	PAP06610	ACTC	35	400		43	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002069625QT7CA	UNLG	PAP06610	ACTC	110	400		44	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1002146235QT5A7	UNLG	PAP06610	ACTC	110	400		45	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002094748QT1D9	UNLG	PAP06610	ACTC	35	400		46	DRUMCONNELL DRIVE	FLAT BUSH	Auckland	2.75
1001105067QT593	UNLG	PAP06610	ACTC	100	400		1 A	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1001105064QT953	UNLG	PAP06610	ACTC	100	400		1	DUNAFF PLACE	FLAT BUSH	Auckland	2.5
1001100896QTEEC	UNLG	PAP06610	ACTC	100	400		4	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1002079623QTEA4	UNLG	PAP06610	ACTC	35	400		6	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1001113667QTEB4	UNLG	PAP06610	ACTC	100	400		11	DUNAFF PLACE	FLAT BUSH	Auckland	2.5
1001129935QT65A	UNLG	PAP06610	ACTC	100	400		15	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1002062801QT27E	UNLG	PAP06610	ACTC	110	400		19	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1001129936QTA9A	UNLG	PAP06610	ACTC	100	400		15 A	DUNAFF PLACE	FLAT BUSH	Auckland	2.75
1002050357QTA9B	UNLG	HEN74101	ACTC	210	400		10	GANNET POINT	ROTHESAY BAY	Auckland	2.75
1002053153QT376	UNLG	HEN74101	ACTC	210	400		60	GOLDEN MORNING DRIVE	ALBANY HEIGHTS	Auckland	2.75
1002056177QT809	UNLG	PAP06610	ACTC	210	400		16	GUM SPEAR ROAD	TAKANINI	Auckland	2.75
1002198848QT13A	UNLG	HEN74101	ACTC	210	400		6	HIGHGROVE LANE	TOTARA VALE	Auckland	2.75
1002078435QTE21	UNLG	HEN74101	ACTC	210	400		2	KITCHENER ROAD	TAKAPUNA	Auckland	2.75
1002057001QT47F	UNLG	HEN74101	ACTC	210	400		32	KOPURU ROAD	WHENUAPAI	Auckland	2.75
1002043680QT517	UNLG	PAP06610	ACTC	210	400		30	LISNOBLE ROAD	FLAT BUSH	Auckland	2.75
1002111259QTE5D	UNLG	HEN74101	ACTC	210	400	4	21	LUCERNE ROAD	REMUERA	Auckland	2.75
1002041291QTCBE	UNLG	WST03610	ACTC	210	400		1	MANOR PARK	SUNNYHILLS	Auckland	2.75
1002167032QTA07	UNLG	WST03610	ACTC	200	400	2	16	MAPAU ROAD	GREENLANE	Auckland	2.75
1002055304QT973	UNLG	WTK33901	ACTC	210	400		109	ORMONDE DRIVE	SILVERDALE	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
0000363031QT9A2	UNLG	WKM17701	ACTC	200	400		18	PAH ROAD	EPSOM	Auckland	2.5
1002075461QTD03	UNLG	PAP06610	ACTC	110	100		1	RAKAIA RISE	CLOVER PARK	Auckland	2.75
1002056801QT5D2	UNLG	HEN74101	ACTC	210	400		18	RAYMOND GRACE AVENUE	HUAPAI	Auckland	2.75
1002192967QT4F5	UNLG	PAP06610	ACTC	110	100		19 A	REDOUBT ROAD	GOODWOOD HEIGHTS	Auckland	35
1002057478QT372	UNLG	WTK33901	ACTC	210	400		9	SANREMO LANE	STANMORE BAY	Auckland	2.75
0001436616QT8DD	UNLG	WKM17701	ACTC	200	400		16	SELWYN ROAD	EPSOM	Auckland	2.5
0001394431QT2E6	UNLG	PAP06610	ACTC	100	400	A	3	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0001394431QT2E6	UNLG	PAP06610	ACTC	100	400	A	3	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0002381530QT3AD	UNLG	PAP06610	ACTC	100	400		4	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0002381530QT3AD	UNLG	PAP06610	ACTC	100	400		4	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0001394430QTEA3	UNLG	PAP06610	ACTC	100	400		5	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0001394430QTEA3	UNLG	PAP06610	ACTC	100	400		5	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0002378005QT523	UNLG	PAP06610	ACTV	100	400		10	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
0002378005QT523	UNLG	PAP06610	ACTV	100	400		10	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.5
1002053135QTD09	UNLG	PAP06610	ACTC	100	400		16	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002053135QTD09	UNLG	PAP06610	ACTC	100	400		16	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002047973QT04F	UNLG	PAP06610	ACTC	35	400		22	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002047973QT04F	UNLG	PAP06610	ACTC	35	400		22	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002045893QT0B1	UNLG	PAP06610	ACTC	100	400		24	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002045893QT0B1	UNLG	PAP06610	ACTC	100	400		24	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002106623QT911	UNLG	PAP06610	ACTC	35	400		25	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002106623QT911	UNLG	PAP06610	ACTC	35	400		25	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002091490QTAAC	UNLG	PAP06610	ACTC	35	400		26	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002091490QTAAC	UNLG	PAP06610	ACTC	35	400		26	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002060107QT9B8	UNLG	PAP06610	ACTC	100	400		27	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002060107QT9B8	UNLG	PAP06610	ACTC	100	400		27	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002055908QT067	UNLG	PAP06610	ACTC	110	400		29	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002055908QT067	UNLG	PAP06610	ACTC	110	400		29	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002041198QT1EC	UNLG	PAP06610	ACTC	110	400		30	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002041198QT1EC	UNLG	PAP06610	ACTC	110	400		30	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002112270QTFB9	UNLG	PAP06610	ACTC	35	400		31	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002112270QTFB9	UNLG	PAP06610	ACTC	35	400		31	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002107482QT6EC	UNLG	PAP06610	ACTC	35	400		40	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002107482QT6EC	UNLG	PAP06610	ACTC	35	400		40	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002075386QT571	UNLG	PAP06610	ACTC	110	400		48	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002075386QT571	UNLG	PAP06610	ACTC	110	400		48	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078436QT2E1	UNLG	PAP06610	ACTC	35	400		50	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078436QT2E1	UNLG	PAP06610	ACTC	35	400		50	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002079352QT2B9	UNLG	PAP06610	ACTC	110	400		52	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002079352QT2B9	UNLG	PAP06610	ACTC	110	400		52	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002076743QT130	UNLG	PAP06610	ACTC	110	400		54	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002076743QT130	UNLG	PAP06610	ACTC	110	400		54	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092216QTA8F	UNLG	PAP06610	ACTC	110	400		58	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092216QTA8F	UNLG	PAP06610	ACTC	110	400		58	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078113QT7FE	UNLG	PAP06610	ACTC	110	400		59	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078113QT7FE	UNLG	PAP06610	ACTC	110	400		59	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092368QT54D	UNLG	PAP06610	ACTC	35	400		60	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092368QT54D	UNLG	PAP06610	ACTC	35	400		60	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002075193QT894	UNLG	PAP06610	ACTV	35	400		61	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002075193QT894	UNLG	PAP06610	ACTV	35	400		61	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092367QTA93	UNLG	PAP06610	ACTC	35	400		62	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092367QTA93	UNLG	PAP06610	ACTC	35	400		62	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002074964QT4E4	UNLG	PAP06610	ACTC	35	400		65	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002074964QT4E4	UNLG	PAP06610	ACTC	35	400		65	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002080389QT813	UNLG	PAP06610	ACTC	35	400		66	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002080389QT813	UNLG	PAP06610	ACTC	35	400		66	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002124845QTBE8	UNLG	PAP06610	ACTC	35	400		73	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002124845QTBE8	UNLG	PAP06610	ACTC	35	400		73	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002079359QTC6D	UNLG	PAP06610	ACTC	35	400		75	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002079359QTC6D	UNLG	PAP06610	ACTC	35	400		75	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078950QT996	UNLG	PAP06610	ACTC	35	400		76	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078950QT996	UNLG	PAP06610	ACTC	35	400		76	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092234QT75F	UNLG	PAP06610	ACTC	110	400		77	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092234QT75F	UNLG	PAP06610	ACTC	110	400		77	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078896QT6F2	UNLG	PAP06610	ACTC	110	400		78	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002078896QT6F2	UNLG	PAP06610	ACTC	110	400		78	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002135808QTF57	UNLG	PAP06610	ACTC	35	400		79	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002135808QTF57	UNLG	PAP06610	ACTC	35	400		79	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002081062QTEDE	UNLG	PAP06610	ACTC	110	400		81	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002081062QTEDE	UNLG	PAP06610	ACTC	110	400		81	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002106007QT348	UNLG	PAP06610	ACTC	110	400		83	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002106007QT348	UNLG	PAP06610	ACTC	110	400		83	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092600QTDAC	UNLG	PAP06610	ACTC	35	400		87	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002092600QTDAC	UNLG	PAP06610	ACTC	35	400		87	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002080584QT14E	UNLG	PAP06610	ACTC	35	400		91	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002080584QT14E	UNLG	PAP06610	ACTC	35	400		91	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002111089QT918	UNLG	PAP06610	ACTC	35	400		95	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002111089QT918	UNLG	PAP06610	ACTC	35	400		95	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002093054QT308	UNLG	PAP06610	ACTC	35	400		96	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75

ICP Identifier	Responsible Distributor Code	Gas Gate Code	ICP Status Code	Network Pressure	**confirmed network pressure**	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Meter Pressure
1002093054QT308	UNLG	PAP06610	ACTC	35	400		96	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002143920QT66B	UNLG	PAP06610	ACTC	35	400	LOT 1	98	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002143920QT66B	UNLG	PAP06610	ACTC	35	400	LOT 1	98	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002144095QT4FF	UNLG	PAP06610	ACTC	35	400	LOT 2	98	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002144095QT4FF	UNLG	PAP06610	ACTC	35	400	LOT 2	98	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002093237QTA3F	UNLG	PAP06610	ACTC	35	400		100	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002093237QTA3F	UNLG	PAP06610	ACTC	35	400		100	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002154248QT400	UNLG	PAP06610	ACTC	35	400		102	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002154248QT400	UNLG	PAP06610	ACTC	35	400		102	TIR CONAILL AVENUE	FLAT BUSH	Auckland	2.75
1002076938QTCB2	UNLG	WST03610	ACTC	210	400		106	VINCENT STREET	AUCKLAND CENTRAL	Auckland	2.75
1002067489QTE0C	UNLG	PAP06610	ACTC	400	200		89	WALTER STREVENS DRIVE	CONIFER GROVE	Auckland	2.75
1002035080QTC68	UNLG	PAP06610	ACTC	400	200		119	WALTER STREVENS DRIVE	CONIFER GROVE	Auckland	2.75

Network pressure exceptions – comparison Registry to Vector

ICP Number	ICP Creation Date	ICP Status Code	ICP Connection Status Code	Allocation Group Code	Vector attributes Network Pressure	Registry Network Pressure	Correct Network Pressure
0000225911QT7C7	1/07/2008	ACTV	GAS	6	3	2	3
0001427942QT791	1/07/2008	ACTC	GAS	4	400	110	400
1002050064QT2A0	12/06/2018	ACTC	GAS	6	400	3	400

Appendix 2 – Altitude discrepancies

ICP Identifier	ICP Creation Date	ICP Status Code	Gas Gate Code	Combined address	ICP Altitude	Google Earth Altitude	GIS Altitude	Difference	Network Pressure	Meter Pressure	Altitude factor based on registry	Altitude factor based on GIS	Altitude factor difference
1002154391QTE17	4/02/2022	ACTC	PAP06610	70 TAHERE ROAD Auckland 2019	194	94	94	100	400	2.75	0.977780	0.989233	1.2%
1001295475QT8CA	30/08/2016	ACTV	WRK18901	28 A BAXTER STREET Auckland 910	62	14	5	48	400	2.75	0.992899	0.999427	0.7%
0000275391QTBF3	1/07/2008	ACTC	HEN74101	37 OCEAN VIEW ROAD Auckland 627	4	28	4	-24	400	1.5	0.999536	0.999536	0.0%
1002164001QT3DF	15/07/2022	ACTC	BMC17901	10 JAGODA ROAD Auckland 614	6	60	66	-54	400	2.75	0.999313	0.992440	-0.7%
1002164003QT35A	15/07/2022	ACTC	BMC17901	6 JAGODA ROAD Auckland 614	6	60	66	-54	400	2.75	0.999313	0.992440	-0.7%
1002164004QTE90	15/07/2022	ACTC	BMC17901	4 JAGODA ROAD Auckland 614	6	60	65	-54	400	2.75	0.999313	0.992555	-0.7%
1002164005QT2D5	15/07/2022	ACTC	BMC17901	2 JAGODA ROAD Auckland 614	6	60	65	-54	400	2.75	0.999313	0.992555	-0.7%
1002163481QTEF4	7/07/2022	ACTC	BMC17901	2 ORANGA DRIVE Auckland 614	6	60	66	-54	400	2.75	0.999313	0.992440	-0.7%
1002161804QT9BD	8/06/2022	ACTC	WST03610	7 DUNKERRON AVENUE Auckland 1051	5	77	75	-72	400	2.75	0.999427	0.991410	-0.8%
0001425988QT1AF	1/07/2008	ACTC	WST03610	128 MARKET ROAD Auckland 1050	7	80	78	-73	400	3	0.999200	0.991087	-0.8%

Appendix 3 – Gas gate discrepancies

ICP Identifier	ICP Creation Date	Gas Gate Code	Allocation Group Code	ICP Status Code	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Region	Physical Address Post Code	Physical Address Town	Meter Pressure	Correct Gas Gate
0000349031QTE2F	29/11/2008	WTK33901	6	ACTC		34 B	ALLENDALE ROAD	MOUNT ALBERT	Auckland	1025	Auckland	1.5	WKM17701
0001422716QTFB8	1/07/2008	DRU15101	4	ACTC	3A	613	GREAT SOUTH ROAD	PAPAKURA	Auckland	2110	Auckland	7	PAP06610
1002035223QT2B0	12/06/2017	WST03610	6	ACTC		49 A	ALLENDALE ROAD	MOUNT ALBERT	Auckland	1025	Auckland	2.75	WKM17701
1002110623QT430	29/10/2020	WEL18301	6	ACTC		63 A	KILDARE AVENUE	GLENDOWIE	Auckland	1071	Auckland	2.75	WST03610
1002111526QTBDC	11/11/2020	WEL18301	6	ACTC	LOT 7	3 A	HILLSIDE ROAD	MOUNT WELLINGTON	Auckland	1062	Auckland	2.75	WST03610
1002112504QT4EC	25/11/2020	WKM17701	6	ACTC		32	KILDARE AVENUE	GLENDOWIE	Auckland	1071	Auckland	2.75	WST03610
1002149041QT297	19/10/2021	PAP06610	6	ACTC		41	POHEWA ROAD	SILVERDALE	Auckland	993	Auckland	2.75	WTK33901
1002152480QT23D	10/12/2021	PAP06610	6	ACTC		197	AHUTOETOE ROAD	WAINUI	Auckland	992	Auckland	2.75	WTK33901
1002163984QT6B3	15/07/2022	WTK33901	6	ACTC		50	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163986QT636	15/07/2022	WTK33901	6	ACTC		60	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163987QTA73	15/07/2022	WTK33901	6	ACTC		58	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163990QTD14	15/07/2022	WTK33901	6	ACTC		56	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163991QT151	15/07/2022	WTK33901	6	ACTC		54	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163992QTD91	15/07/2022	WTK33901	6	ACTC		52	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163993QT1D4	15/07/2022	WTK33901	6	ACTC		48	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163995QT05B	15/07/2022	WTK33901	6	ACTC		46	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163997QT0DE	15/07/2022	WTK33901	6	ACTC		44	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901
1002163998QTF00	15/07/2022	WTK33901	6	ACTC		42	RAHOPURU ROAD	WESTGATE	Auckland	614	Auckland	2.75	BMC17901

ICP Identifier	ICP Creation Date	Gas Gate Code	Allocation Group Code	ICP Status Code	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Region	Physical Address Post Code	Physical Address Town	Meter Pressure	Correct Gas Gate
1002178173QTC62	20/04/2023	HEN74101	6	ACTC		67	KILDARE AVENUE	GLENDOWIE	Auckland	1071	Auckland	2.75	WST03610
1002183795QTB2D	4/08/2023	HAR11802	6	ACTC		91 D	SUNRISE AVENUE	MURRAYS BAY	Auckland	630	Auckland	2.75	HEN74101
1002185604QT44B	8/09/2023	PAP06610	6	ACTC		9	DURNESS PLACE	RED BEACH	Auckland	932	Auckland	2.75	WTK33901
1002190371QT69D	29/11/2023	WTK33901	6	ACTC		24	CARA AVENUE	KUMEU	Auckland	810	Auckland	2.75	HEN74101
1002192164QT838	24/01/2024	WTK33901	6	ACTC		17	CARA AVENUE	KUMEU	Auckland	810	Auckland	2.75	HEN74101
1002193850QT663	28/02/2024	WTK33901	6	INACT	LOT 2	33	GARADICE ROAD	ROTHESAY BAY	Auckland	630	Auckland	2.75	HEN74101
1002193851QTA26	28/02/2024	WTK33901	6	INACT	LOT 3	33	GARADICE ROAD	ROTHESAY BAY	Auckland	630	Auckland	2.75	HEN74101
1002193852QT6E6	28/02/2024	WTK33901	6	ACTC	LOT 4	33	GARADICE ROAD	ROTHESAY BAY	Auckland	630	Auckland	2.75	HEN74101
1002193853QTAA3	28/02/2024	WTK33901	6	ACTC	LOT 5	33	GARADICE ROAD	ROTHESAY BAY	Auckland	630	Auckland	2.75	HEN74101
1002195637QT792	10/04/2024	WTK33901	6	ACTC		4	CARA AVENUE	KUMEU	Auckland	810	Auckland	2.75	HEN74101
1002195639QT409	10/04/2024	WTK33901	6	ACTC		6	CARA AVENUE	KUMEU	Auckland	810	Auckland	2.75	HEN74101

ICP Type Discrepancies

ICP Identifier	ICP Creation Date	Responsible Distributor Code	Gas Gate Code	ICP Type Code	Correct Gas Gate Code	Correct ICP Type Code
0000036301QT5B9	1/07/2008	UNLG	ALF15501	GD	PAP06610	GN
0002352901QTAAD	1/07/2008	UNLG	HEN74101	GD	HEN74101	GN
1002052880QTA5D	17/08/2018	UNLG	WST03610	GD	WST03610	GN
0001026365NG3DD	1/07/2008	UNLG	PAP06610	EN	PAP06610	GN

Appendix 4 – Load shed category discrepancies

ICP Identifier	Meter Identifier	Gas Gate Code	Load Shedding Category Code	Maximum Hourly Quantity	Network Price Category Code	Allocation Group Code
1001271979QT521	20514909	PAP06610	6	160	GA03	4
0000183491QT819	07J867228	WKM17701	DOM	0	GA02	6
0000194901QTE77	288230	WST03610	DOM		GA01	6
0000233751QTE48	1063755	WST03610	DOM		GA01	6
0000236023QT3B2	600650394	WST03610	DOM		GA01	6
0000281571QT453	05F403116	HEN74101	DOM	15	GA01	6
0000294451QTFC3	834101704	WST03610	DOM		GA01	6
0000317341QT3C5	1032281	WST03610	DOM		GA01	6
0000616561QT4E5	80823156884	PAP06610	DOM		GA01	6
0002382344QT31C	600796430	HEN74101	DOM	11	GA01	6
1001154943QT211	05F016755	WKM17701	DOM	38	GA02	6
1001291493QT57F	19K968972	PAP06610	DOM	6	GA01	6
1002073220QT025	R000052266	WST03610	DOM	60	GA03	4
0000361461QTEEB	08J976877	PAP06610	3	0	GA03	4
0000933991QT869	93778	WST03610	7	525	GA04	2
0000086391QT457	315911	WKM17701	DOM		GA01	6
0000120901QT6FE	256332	WKM17701	DOM		GA01	6
0000817751QT2AC	600820941	HEN74101	DOM		GA01	6
1002073220QT025	R000052266	WST03610	DOM	60	GA03	4

Appendix 5 – Address discrepancies

Addresses which were not readily locatable

Metered ICPs with ambiguous street number or property name

ICP Identifier	ICP Creation Date	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Region	Physical Address Post Code	Physical Address Town	Correct address
1002093539QT6A6	26/06/2020	LOT 3	21-23	AKORANGA DRIVE	NORTHCOTE	AUCKLAND	627	Auckland	2/21 Akoranga Drive Northcote 0627
1002093541QT1EF	26/06/2020	LOT 5	21-23	AKORANGA DRIVE	NORTHCOTE	AUCKLAND	627	Auckland	5/21 Akoranga Drive Northcote 0627
1002093542QTD2F	26/06/2020	LOT 6	21-23	AKORANGA DRIVE	NORTHCOTE	AUCKLAND	627	Auckland	6/21 Akoranga Drive Northcote 0627
1002093543QT16A	26/06/2020	LOT 7	21-23	AKORANGA DRIVE	NORTHCOTE	AUCKLAND	627	Auckland	7/21 Akoranga Drive Northcote 0627
1002135899QTCF5	10/02/2021	LOT 8	21-23	AKORANGA DRIVE	NORTHCOTE	AUCKLAND	627	Auckland	8/21 Akoranga Drive Northcote 0627
1002049676QTACF	29/05/2018	LOT 42	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	1 Maureen Close EAST TAMAKI HEIGHTS 2016
1002049675QT60F	29/05/2018	LOT 43	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	3 Maureen Close EAST TAMAKI HEIGHTS 2016
1002049674QTA4A	29/05/2018	LOT 44	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	5 Maureen Close EAST TAMAKI HEIGHTS 2016
1002049673QT780	29/05/2018	LOT 45	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	7 Maureen Close EAST TAMAKI HEIGHTS 2016
1002049671QT705	29/05/2018	LOT 47	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	11 Maureen Close EAST TAMAKI HEIGHTS 2016
1002049670QTB40	29/05/2018	LOT 48	6	ALAN JOHN PLACE	EAST TAMAKI HEIGHTS	AUCKLAND	2016	Auckland	13 Maureen Close EAST TAMAKI HEIGHTS 2016
1002164123QT70B	19/07/2022	LOT 1	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	1/236 Albany Highway Schnapper Rock 0632
1002164124QTAC1	19/07/2022	LOT 2	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	2/236 Albany Highway Schnapper Rock 0632
1002164125QT684	19/07/2022	LOT 3	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	3/236 Albany Highway Schnapper Rock 0632
1002164126QTA44	19/07/2022	LOT 4	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	4/236 Albany Highway Schnapper Rock 0632
1002164127QT601	19/07/2022	LOT 5	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	5/236 Albany Highway Schnapper Rock 0632

ICP Identifier	ICP Creation Date	Physical Address Unit	Physical Address Number / RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Region	Physical Address Post Code	Physical Address Town	Correct address
1002164129QT59A	19/07/2022	LOT 7	236	ALBANY HIGHWAY	SCHNAPPER ROCK	AUCKLAND	632	Auckland	7/236 Albany Highway Schnapper Rock 0632
1002196332QTD38	30/04/2024	LOT 1	454	ALBANY HIGHWAY	ALBANY	AUCKLAND	632	Auckland	454A Albany Highway Albany 0632
1002196333QT17D	30/04/2024	LOT 2	454	ALBANY HIGHWAY	ALBANY	AUCKLAND	632	Auckland	454B Albany Highway Albany 0632
1002196334QTCB7	30/04/2024	LOT 3	454	ALBANY HIGHWAY	ALBANY	AUCKLAND	632	Auckland	454C Albany Highway Albany 0632
1002196337QT077	30/04/2024	LOT 4	454	ALBANY HIGHWAY	ALBANY	AUCKLAND	632	Auckland	454D Albany Highway Albany 0632
1001301134QT607	14/02/2017	LOT 1	68	ALFORD STREET	WATERVIEW	AUCKLAND	1026	Auckland	68A Alford Street WATERVIEW 1026
1001301135QTA42	14/02/2017	LOT 2	68	ALFORD STREET	WATERVIEW	AUCKLAND	1026	Auckland	68B Alford Street WATERVIEW 1026
1002187257QTFC2	6/10/2023	LOT 1	17	ALIFORD AVENUE	ONE TREE HILL	AUCKLAND	1061	Auckland	17A Aliford Avenue ELLERSLIE 1061
1002187258QT01C	6/10/2023	LOT 2	17	ALIFORD AVENUE	ONE TREE HILL	AUCKLAND	1061	Auckland	17B Aliford Avenue ELLERSLIE 1061
1002187259QTC59	6/10/2023	LOT 3	17	ALIFORD AVENUE	ONE TREE HILL	AUCKLAND	1061	Auckland	17C Aliford Avenue ELLERSLIE 1061
1002143177QT3A4	17/06/2021	LOT 38		HEARTH STREET	FLAT BUSH	AUCKLAND	2019	Auckland	21 Hearth Street, Flat Bush
1002143178QTC7A	17/06/2021	LOT 39		HEARTH STREET	FLAT BUSH	AUCKLAND	2019	Auckland	23 Hearth Street, Flat Bush
1002143179QT03F	17/06/2021	LOT 40		HEARTH STREET	FLAT BUSH	AUCKLAND	2019	Auckland	25 Hearth Street, Flat Bush
1002144194QT1BE	6/07/2021	LOT 45		PICTURESQUE DRIVE	FLAT BUSH	AUCKLAND	2019	Auckland	8 CREEKSIDE WAY FLAT BUSH 2019
1002144195QTDFB	6/07/2021	LOT 46		PICTURESQUE DRIVE	FLAT BUSH	AUCKLAND	2019	Auckland	10 CREEKSIDE WAY FLAT BUSH 2019
1002144196QT13B	6/07/2021	LOT 47		PICTURESQUE DRIVE	FLAT BUSH	AUCKLAND	2019	Auckland	12 CREEKSIDE WAY FLAT BUSH 2019
1002156763QT1C4	21/03/2022			HARBOURSIDE	HINGAIA	AUCKLAND	2113	Auckland	5A HARBOURSIDE HINGAIA

ICPs with duplicate addresses

ICP Identifier	ICP creation date	ICP Status Code	Physical Address Property Name	Physical Address Unit	Physical Address Number/RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Physical Address Region
1002078339QT23D	27/02/2020	ACTC			101 B	VERRAN ROAD	BIRKENHEAD	Auckland	AUCKLAND
1002078340QT931	27/02/2020	ACTC			101 B	VERRAN ROAD	BIRKENHEAD	Auckland	AUCKLAND
1002138048QT7DF	16/03/2021	ACTC			10	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND
1002136912QTC8F	24/02/2021	INACT			10	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND
0000297831QTEDF	1/07/2008	ACTC			10	WELLESLEY STREET EAST	AUCKLAND CENTRAL	Auckland	AUCKLAND
0000327701QTC4D	1/07/2008	ACTC			10	WELLESLEY STREET EAST	AUCKLAND CENTRAL	Auckland	AUCKLAND
0000236554QTE20	1/07/2008	ACTC		1	11 A	MIDWAY AVENUE	CASTOR BAY	Auckland	AUCKLAND
0000831751QTEA1	1/07/2008	ACTC			11 A	MIDWAY AVENUE	CASTOR BAY	Auckland	AUCKLAND
1002124856QTD85	21/01/2021	ACTC			110	GRAFTON ROAD	GRAFTON	Auckland	AUCKLAND
0002382005QTEFF	1/07/2008	INACP			110	GRAFTON ROAD	GRAFTON	Auckland	AUCKLAND
0000230171QT7FB	1/07/2008	ACTC			115	QUEEN STREET	AUCKLAND CENTRAL	Auckland	AUCKLAND
0000924031QT5FE	1/07/2008	ACTC			115	QUEEN STREET	AUCKLAND CENTRAL	Auckland	AUCKLAND
0000590171QT418	14/01/2009	ACTC		1	19	BOWSCALE PLACE	NORTHPARK	Auckland	AUCKLAND
0000590181QT40F	1/07/2008	ACTC		1	19	BOWSCALE PLACE	NORTHPARK	Auckland	AUCKLAND
0000390871QTC76	1/07/2008	ACTC			119	HINGAIA ROAD	KARAKA	Auckland	AUCKLAND
0000530061QT159	1/07/2008	ACTC			119	HINGAIA ROAD	KARAKA	Auckland	AUCKLAND
1002023539QT8AF	9/05/2017	ACTC			125 A	MOUNT ALBERT ROAD	MOUNT ALBERT	Auckland	AUCKLAND
1002023541QTFE6	9/05/2017	ACTC			125 A	MOUNT ALBERT ROAD	MOUNT ALBERT	Auckland	AUCKLAND
1002138047QT801	16/03/2021	ACTC			12	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND
1002136897QTD8E	24/02/2021	INACT			12	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND

ICP Identifier	ICP creation date	ICP Status Code	Physical Address Property Name	Physical Address Unit	Physical Address Number/RAPID Number	Physical Address Street	Physical Address Suburb	Physical Address Town	Physical Address Region
1001118914QT7C6	1/07/2008	ACTC		1	325	MOUNT ALBERT ROAD	MOUNT ROSKILL	Auckland	AUCKLAND
0000792591QT93B	1/07/2008	INACT		1	325	MOUNT ALBERT ROAD	MOUNT ROSKILL	Auckland	AUCKLAND
1002185605QT80E	6/09/2023	ACTC			13	AUDREY ROAD	TAKAPUNA	Auckland	AUCKLAND
0000276021QT8A2	1/07/2008	INACP			13	AUDREY ROAD	TAKAPUNA	Auckland	AUCKLAND
0000252711QTF15	1/07/2008	ACTC			14	GLEN ROAD	STANLEY POINT	Auckland	AUCKLAND
0000975491QT334	1/07/2008	ACTC			14	GLEN ROAD	STANLEY POINT	Auckland	AUCKLAND
1002049440QT6BF	25/05/2018	ACTC			14	MARENDELLAS DRIVE	BUCKLANDS BEACH	Auckland	AUCKLAND
1002050080QT910	12/06/2018	ACTC			14	MARENDELLAS DRIVE	BUCKLANDS BEACH	Auckland	AUCKLAND
1002138046QT444	16/03/2021	ACTC			14	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND
1002136896QT1CB	24/02/2021	INACT			14	STOCKADE VIEW LANE	HOWICK	Auckland	AUCKLAND
1002170694QT910	14/11/2022	ACTC			164	CLIFF VIEW DRIVE	GREEN BAY	Auckland	AUCKLAND
0000694001QT275	1/07/2008	INACP			164	CLIFF VIEW DRIVE	GREEN BAY	Auckland	AUCKLAND

Appendix 6 – Control Rating Definitions

Rating	Definition
Ineffective	The design of controls overall is ineffective in addressing key causes and/or consequences. Documentation and/or communication of the controls does not exist (e.g. policies, procedures, etc.). The controls are not in operation or have not yet been implemented.
Needs improvement	The design of controls only partially addresses key causes and/or consequences. Documentation and/or communication of the controls (e.g. policies, procedures, etc.) are incomplete, unclear, or inconsistent. The controls are not operating consistently and/or effectively and have not been implemented in full.
Acceptable	The design of controls is largely adequate and effective in addressing key causes and/or consequences. The controls (e.g. policies, procedures, etc.) have been formally documented but not proactively communicated to relevant stakeholders. The controls are largely operating in a satisfactory manner and are providing some level of assurance.
Effective	The design of controls is adequate and effective in addressing the key causes and/or consequences. The controls (e.g. policies, procedures, etc.) have been formally documented and proactively communicated to relevant stakeholders. The controls overall, are operating effectively so as to manage the risk.

Appendix 7 – Impact Rating Definitions[1]

Rating	Definition
Insignificant	• A small number of issues with registry file timeliness and/or accuracy. Negligible impact on other participants or consumers. Did not prevent the process completing. • A small number of issues with the accuracy and/or timeliness of files to the Allocation Agent. Corrections were made by the interim allocation. A small number of issues not related to registry or allocation information.
Minor	• Some issues with registry file timeliness and/or accuracy. Minor impact on other participants or consumers. Did not prevent the process completing. • Some issues with the accuracy and/or timeliness of files to the Allocation Agent. Corrections were made by the interim allocation. A small number of issues not related to registry or allocation information.
Moderate	• A moderate number of issues with registry file timeliness and/or accuracy. Moderate impact on other participants or consumers. Did prevent some processes completing. • A moderate number of issues with the accuracy and/or timeliness of files to the Allocation Agent. Corrections were not made by the interim allocation. A moderate number of issues not related to registry or allocation information.
Major	• A significant number of issues with registry file timeliness and/or accuracy. Major impact on other participants or consumers. Did prevent some processes completing. • A significant number of issues with the accuracy and/or timeliness of files to the Allocation Agent. Corrections were not made by the interim allocation. A significant number of issues not related to registry or allocation information.

[1] These ratings are indicative and will be used as a guide only, to aid the Market Administrator's assessment of alleged breaches.

Appendix 8 – Remedial Rating Definitions

Rating	Definition
Completed	The alleged breach and impact have been resolved. Systems and processes are now compliant.
In progress	Steps are being taken to resolve the alleged breach and impact and ensure systems and processes are compliant.
No action	Participant undertakes no action to resolve or address auditor controls or impact assessments for commercial reasons.

Appendix 9 – Vector Comments

We suggest Gas Industry Co. consider creating a standard audit compliance report to support participants with data accuracy checks.

This would help highlight audit issues such as (Section 4.3 – Gas Gate) and (Section 4.6 – Physical Address), which we expect could be developed in a similar way to the existing electricity reporting. It could also include reports for (Section 4.1 – Network Pressure), (Section 4.2 – ICP Altitude), and other data quality checks where applicable.

Having a standardised report would reduce the time required to prepare reports for checking purposes, provide a consistent way to identify and track issues, and give a clearer view of improvements across audit cycles.