



Determinations by the Industry Body (Gas Industry Co) under the Gas (Switching Arrangements) Rules 2008

Consultation Paper

April 2008





About Gas Industry Co.

Gas Industry Co was formed to be the co-regulator under the Gas Act.

As such, its role is to:

- recommend arrangements, including rules and regulations where appropriate, which improve:
 - the operation of gas markets;
 - access to infrastructure; and
 - consumer outcomes;
- administer, oversee compliance with, and review such arrangements; and
- report regularly to the Minister of Energy on the performance and present state of the New Zealand gas industry, and the achievement of Government's policy objectives for the gas sector.

Authorship

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Executive Summary

The Gas (Switching Arrangements) Rules 2008 (the “Switching Rules”) provide for the establishment of a central gas registry to support processes for customer switching. The Switching Rules delegate the determination of specific technical details to Gas Industry Co as the industry body (the “Determinations”). Appendix B presents the proposed Determinations developed in conjunction with the industry, including the process to make changes as needed, for comment by Wednesday, 14 May 2008. Gas Industry Co will consider submissions and intends to publish the Determinations in final form on the Gas Industry Co website.

The table below summarizes the specific rules that identify determinations to be made, the subject of each determination and consultation requirements. Although consultation is formally required in only some cases, Gas Industry Co has decided to consult on all proposed Determinations.

Rule	Subject of Determination	Consultation Required and With Whom
Rule 5.2	Definition of financial year for review of registry operator performance	No
Rule 5.2	Content of ICP identifier	No
Rule 33.1	Report access restrictions, response times for reports and viewing access restrictions for address searches	Yes – registry participants
Rule 44.1.1	Codes for industry participants	No
Rule 44.1.2	Codes for gas gates	No
Rule 44.1.3	ICP types and codes	No
Rule 44.1.4	ICP statuses and codes	No
Rules 44.1.5 and 44.1.6	Connection statuses and codes, and valid combinations of ICP status and connection status codes for any ICP	No
Rule 44.1.7	Load shedding categories and codes	No
Rule 44.1.8	Allocation groups and codes	No
Rule 44.1.9	Types of profiles to be assigned to ICPs and codes	No
Rule 62.3	Retention times for information on resolution of discrepancies	No
Rule 64	Codes for switching notices	No
Rule 84.3	Content and format of registry participant monthly compliance reports	Yes – registry participants and registry operator

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Purpose of Consultation

The Gas (Switching Arrangements) Rules 2008 (the “Switching Rules”) provide for the establishment of a central gas registry and switching rules which will collectively provide effective arrangements for gas customers to readily switch between retailers. The Switching Rules require the industry body (Gas Industry Co) to determine and publish specific technical details to support the implementation of the Switching Rules and the gas registry (the “Determinations”).

The Switching Rules only require Gas Industry Co to consult with registry participants on its Determinations outlining reporting and information access.¹ However, the proposed Determinations are included here in their entirety to facilitate industry feedback on all of the matters subject to determination. The purpose of this consultation paper is to present the proposed Determinations for formal comment.

¹ Specifically rules 33.1 and 84.3

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Background

The Government Policy Statement on Gas Governance (“GPS”) invites Gas Industry Co to recommend arrangements, including regulations and rules where appropriate, for the standardisation and upgrading of protocols relating to customer switching, so that barriers to customer switching are minimised.

After extensive consultation, Gas Industry Co recommended that the Minister of Energy establish regulations under the Gas Act 1992 for the implementation of switching arrangements, a central registry and associated compliance systems. The Switching Rules were approved by the Minister and gazetted on 14 February 2008; those parts of the rules affecting implementation of the gas registry came into effect on 13 March 2008.

The Switching Rules delegate the determination of specific technical specifications and provisions to the Gas Industry Co as the industry body to provide the flexibility to change them according to participants’ needs. Gas Industry Co has therefore developed a set of proposed Determinations in conjunction with a technical industry working group, the Gas Registry/Reconciliation Establishment Committee. Gas Industry Co thanks the members of the Committee for their contributions and welcomes any formal submissions on the proposed Determinations.

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Proposed Determinations and Issues for Consultation

Gas Industry Co, as the industry body, proposes to issue a number of Determinations as required by the Gas (Switching Arrangements) Rules 2008. A draft of the proposed Determinations is attached in Appendix B to this paper. Section 1 of Appendix B provides a brief introduction to the Switching Rules and the Determinations.

Q1: Do submitters have any general comments on the proposed Determinations or the intended process to be adopted by Gas Industry Co in making these Determinations?

Section 2 of Appendix B outlines a description of the process Gas Industry Co, as the industry body, intends to follow when making changes to the Determinations in the future. In summary, for minor changes affecting only specifically identifiable parties, Gas Industry Co intends to informally consult with the affected parties. For changes considered to be of wide interest or changes that require consultation under the Switching Rules, the intention is to post the full proposal and an invitation to make submissions on the Gas Industry Co website and submissions received from any and all parties responding to the invitation. In either case, after considering the submissions, Gas Industry Co intends to make revisions as appropriate and publish the updated Determinations to its website.

Q2: Do submitters agree with the proposed process for making changes to the proposed Determinations as set out in section 2 of Appendix B?

The proposed Determinations attached in sections 3 and 4 of Appendix B define the financial year for the purpose of registry operator performance reviews and the content of the ICP identifier, including the alphabetic distributor code and checksum generation algorithm. To avoid doubt, the distributor code in the ICP identifier refers to the responsible distributor at the time of creation of a new ICP and does not change if the distributor changes (instead, the change would be reflected in the ICP parameters for that ICP).

Q3: Do submitters have any comments on the proposed Determinations to be made under Rule 5 (definition of financial year and ICP identifier content), as set out in sections 3 and 4 of Appendix B?

The proposed Determinations outlined in sections 5 and 6 of Appendix B outline the access to different reports by registry participants, the timeframes within which reports are published and access to information through registry searches. Section 6.2 specifies ICP searches by “proximate street address” to aid registry users in identifying ICPs with potentially incorrect or misspelled addresses. Section 6.3 provides for notifications to responsible parties when other participants access information about ICPs for which they are the responsible party. In combination, these Determinations should balance the conflicting interests of finding the correct ICP (and minimizing the chances that an incorrect ICP is switched) and the need to protect information that may be commercially sensitive.

Q4: Do submitters have any comments on the proposed Determinations to be made under Rule 33 (report access and registry information access), as set out in sections 5 and 6 of Appendix B?

Sections 7 through 14 of Appendix B outline proposed Determinations which define a number of codes necessary for ICP parameters and the switching processes described in the Switching Rules. The proposed registry participant codes are presented in section 7.3 and follow the principles that participants with multiple gas registry roles may elect to use one code for all roles or different codes for different roles; and that codes must be distinguishable from the equivalent code used for the electricity register where the gas registry participant is also an electricity register participant.

Section 12 of Appendix B defines load shedding categories and codes taken from the draft Gas (Critical Contingency) Regulations. At present, the industry uses similar categories that are coded as categories A through G. However, it is anticipated that the Critical Contingency regulations will take effect before the registry go-live date and these new codes have been accordingly included.

Q5: Do submitters have any comments on the proposed Determinations to be made under Rule 44 (ICP parameter codes), as set out in sections 7 to 14 of Appendix B?

The proposed Determination outlined in section 15 of Appendix B addresses the requirements for registry participants to resolve discrepancies in the gas registry by conducting periodic reviews. Records of these reviews and any related corrections to registry data should be retained indefinitely.

Q6: Do submitters have any comments on the proposed Determination to be made under Rule 62 (retention of information on resolution of discrepancies), as set out in section 15 of Appendix B?

Section 16 of Appendix B outlines the proposed Determinations for the codes intended for use in ICP switching information exchanges.

Q7: Do submitters have any comments on the proposed Determinations to be made under Rule 64 (codes relevant to switching), as set out in section 16 of Appendix B?

The proposed Determination outlined in section 17 of Appendix B defines the format and content of the monthly registry participant compliance reports, which describes each participant's compliance with the timeframes specified in the Switching Rules. The proposed detailed report specifications are presented in Attachment 2 to Appendix B.

Q8: Do submitters have any comments on the proposed Determinations to be made under Rule 84 (registry participant compliance reporting), as set out in section 17 of Appendix B?

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Submission Requirements

Gas Industry Co invites submissions on the proposed Determinations and the associated issues set out in this paper. Specific matters on which submissions are sought are set out in the body of the paper, and a suggested format for submissions is set out in the template in Appendix A.

The closing time for submissions is 1700 hours on Wednesday, 14 May 2008. Please note that submissions received after this date may not be able to be considered.

Gas Industry Co's preference is to receive submissions in electronic form (Microsoft Word format or PDF). The electronic version should be emailed with the phrase "Submission on Determinations under the Gas (Switching Arrangements) Rules 2008" in the subject header to submissions@gasindustry.co.nz.

Gas Industry Co will acknowledge receipt of all submissions electronically. Please contact Jay Jefferies (Ph: +64 4 472 1800 or Email: jay.jefferies@gasindustry.co.nz), if you do not receive electronic acknowledgement of your submission within two business days.

Gas Industry Co values openness and transparency and therefore submissions will generally be made available to the public on Gas Industry Co's website. Submitters should discuss any intended provision of confidential information with Gas Industry Co prior to submitting the information.

Following receipt of submissions, Gas Industry Co will revise the Determinations as appropriate and intends to issue them in final form by posting them on the Gas Industry Co website.

Appendix A Recommended Format for Submissions

To assist the Gas Industry Co in the orderly and efficient consideration of stakeholders' responses on the proposed Determinations, a suggested format for submissions has been prepared. This is drawn from the questions posed in the body of this Consultation Paper. Submitters are also free to include other material on the proposed Determinations in their responses.

Submission prepared by:..... (company name and contact)

Question	Comment
Q1: Do submitters have any general comments on the proposed Determinations or the intended process to be adopted by Gas Industry Co in making these Determinations?	
Q2: Do submitters agree with the proposed process for making changes to the proposed Determinations as set out in section 2 of Appendix B?	
Q3: Do submitters have any comments on the proposed Determinations to be made under Rule 5 (definition of financial year and ICP identifier content), as set out in sections 3 and 4 of Appendix B?	
Q4: Do submitters have any comments on the proposed Determinations to be made under Rule 33 (report access and registry information access), as set out in sections 5 and 6 of Appendix B?	
Q5: Do submitters have any comments on the proposed Determinations to be made under Rule 44 (ICP parameter codes), as set out in sections 7 to 14 of Appendix B?	

Question	Comment
<p>Q6: <i>Do submitters have any comments on the proposed Determination to be made under Rule 62 (retention of information on resolution of discrepancies), as set out in section 15 of Appendix B?</i></p>	
<p>Q7: <i>Do submitters have any comments on the proposed Determinations to be made under Rule 64 (codes relevant to switching), as set out in section 16 of Appendix B?</i></p>	
<p>Q8: <i>Do submitters have any comments on the proposed Determinations to be made under Rule 84 (registry participant compliance reporting), as set out in section 17 of Appendix B?</i></p>	

Appendix B Draft Determinations by the Industry Body (Gas Industry Co) under the Gas (Switching Arrangements) Rules 2008

Subject Determinations by the Industry Body (Gas Industry Co) under the Gas (Switching Arrangements) Rules 2008

Date DD MMMMM YYYY

Version X.X

1. Introduction

- 1.1 The Gas (Switching Arrangement) Rules 2008 (the “Switching Rules”) set out arrangements for the timely and efficient switching of gas customers from one retailer to another. A key element in the arrangements is the establishment of a central gas registry of ICP based information relevant to consumer switching. The registry is to be developed and operated by a Registry Operator.
- 1.2 The Switching Rules require the industry body (Gas Industry Co) to determine and publish certain information required for the full implementation of the Switching Rules and of the gas registry in particular. In some cases the information determined must be developed in consultation with the industry, although in practice all of the determinations dealt with in this document have been developed in consultation with the industry.
- 1.3 The terms used in this determination have the meaning set out in Rule 5.
- 1.4 The following topics are dealt with in this determination:
- Definition of a financial year under Rule 5.2;
 - Codes for specified components of the ICP identifier as set out in Rule 5
 - Requirements and access restrictions in regard to registry reports as set out in Rule 33.1;
 - ICP parameter codes as set out generally in Rule 44 including value combinations for ICP status and connections status as set out in Rule 44.1.6 and usage requirements as set out in Rule 60.2;
 - Codes relevant to switching as set out in Rule 64 and cross referenced in Rules 67.1.2 and 70.3;
 - Time for retention of information on the resolution of discrepancies as set out in Rule 62.
 - The content and format of the monthly report published by the registry operator on registry participant compliance with specified time frames, in accordance with Rules 84.3.

2. Process for making changes to these determinations

- 2.1 The determinations set out in this document will need to be amended from time to time to reflect changing circumstances and other factors.
- 2.2 The process which is intended to be followed for making changes to these determinations is as follows:
- The proposed determination change will be advised to all of those parties who it is considered have an interest or are likely to be affected. The method of advice is set out below.
 - There will be a defined consultation period which will vary from 1 to 4 weeks depending on the circumstances.
 - Submissions will be sought by email and will be acknowledged by email.
 - The determination change approved by Gas Industry Co as a result will be specifically advised to all of those who made submissions, together with a brief explanatory notes on differences between the consultation proposal and the final result.
 - A revised edition of the collective determinations will be issued by posting on the Gas Industry Co website.
- 2.3 Where the changes affect only specifically identifiable parties (eg, a particular allocation participant or a particular category of allocation participants) it is intended that the proposed change will be notified to and submissions sought from only those parties. Notification will likely be by email. Where the changes are considered of be of wide interest, it is intended that the full proposal and an invitation to make submissions will be posted on the Gas Industry Co website and submissions received from any and all parties responding to the website invitation.
- 2.4 The default consultation period is 4 weeks. However, a shorter period will likely apply where the change is minor and mechanical (eg, a change in the letters making up a code) and/or the consultation period will likely be closed off when a response has been received from all the parties consulted.

3. Financial year

- 3.1 Rule 5.2 defines a financial year as the 12 month period beginning on the date determined by Gas Industry Co and any anniversary of the date. The term financial year is used only to define the period to which reviews of registry operator performance refer.
- 3.2 The start date for the financial year will be 1 July 2008.

4. ICP identifier

4.1 Rule 5.2 defines the content of the ICP Identifier, which is a unique 15-character identifier assigned to each ICP. There are two elements of this identifier which must be determined or specified by Gas Industry Co and they are:

- xx an alphabetic combination for use by the distributor when creating the ICP identifier
- ccc an alphanumeric checksum generated by an algorithm

4.2 The alphabetic combinations must be unique to each distributor. The following combinations are to be used by distributors when creating new ICPs:

Distributor Name	ICP Identifier Code
Vector Gas	QT
Vector Gas (ex NGC)	NG
Powerco	PG
GasNet	GN
Nova	NA
MDL	MP

4.3 The purpose of the two letter alphabetic code is to ensure uniqueness of the ICP number across all networks. In the context of the ICP identifier, this code is assigned at the creation of an ICP and remains unchanged thereafter. Subsequent changes in the responsible distributor do not change the ICP identifier.

4.4 Thus, the full ICP Identifier is a 15-character identifier having the format, yyyyyyyyxxccc, with:

- yyyyyyyyyy Base ICP number
- xx ICP creation distributor code
- ccc Alphanumeric checksum

4.5 The alphanumeric checksum may be separated from the distributor code (xx) by a dash when it is printed on customer invoices or correspondence, to improve the readability of the ICP identifier. However, the dash is **not** to be included in the registry database, nor in data exchange formats.

4.6 The checksum is used to ensure that a number has been correctly transmitted without corruption. The checksum should be generated by means of a polynomial code (Cyclic Redundancy Check or CRC). In order to maximise error detection a three character hexadecimal checksum is to be used.

4.7 The algorithm to create the checksum is as follows:

```
Initialise a 2 byte register R to zero
Initialise a 2 byte division D to 180F hex (00011000 00001111)
Append 12 bits all equal zero to the end of the ICP number
FOR each bit of the ICP number (left to right): DO
Shift that bit into the 20 bit position of R
IF the 212 bit position of R is 1 THEN
R=R XOR D
ENDIF
END
Append R as 3 digit hexadecimal integer to the ICP
```

5. Report access restrictions and requirements

- 5.1 Rules 83 to 87 provide for the registry operator to provide or publish reports. As set out in Rule 83 these may be: general reports or reports for specific types of registry participant, with contents as specified in the Switching Rules; or such other reports as may be agreed between the registry operator and Gas Industry Co. Rule 33.3 also allows registry participants to obtain customised reports on any or multiple ICPs.
- 5.2 Rule 33.1 requires Gas Industry Co, in consultation with registry participants, to determine: report access restrictions in respect of each distributor, retailer and meter owner; the response times required from the registry for reports requested by registry participants; and the bounds of information able to be viewed by any party as a result of an address search conducted on ICPs in the registry.
- 5.3 These restrictions apply to defined reports generated as a matter of course by the registry. Nothing in these restrictions shall prevent a registry participant seeking approval for the generation of a new report as provided for in Rule 83.5. Gas Industry Co will separately publish details of the process which will apply to the approval of new reports under this Rule.
- 5.4 In regard to reports on specific ICPs, each participant will be restricted to accessing only reports on the specific ICPs for which they are currently the responsible party.
- 5.5 Any participant may access reports on total numbers of ICPs, either nationally or by distribution network.
- 5.6 Reports on numbers of ICPs by retailer (in addition to access by the responsible retailer) may only be accessed by the responsible distributor and by Gas Industry Co.

- 5.7 Reports on numbers of ICPs by gas gate may only be accessed by the responsible distributor and by Gas Industry Co.
- 5.8 Maximum response times for the provision of reports shall be as follows:

Report Type	Maximum Response Time
On-demand and ad hoc reports	24 hours from receipt of request
Standard month-end reports	24 hours from the end of the last day of the calendar month
Ad hoc reports with a stipulated reporting time and date	No later than the stipulated time

6. Bounds on information access

- 6.1 Subject to 6.2, participants may only view the full details of any ICP or list of ICPs, without any other constraint, where they are currently the responsible meter owner, responsible distributor or responsible retailer for those ICPs.
- 6.2 Any participant may view the full details for any individual ICP provided that the participant uses the exact ICP number, and/or the proximate street address, and/or the exact meter number as the search criteria. Proximate street address means an address which is specific to a particular location within a street but which may be restricted to the general street number or range of numbers (for example sub-addresses like 3A, 3B, etc; or with street addresses between 5 and 10) or which contains a minor spelling deviation from the spelling in the registry.
- 6.3 Where information about specific ICPs is provided by the registry to a participant who is not the current responsible meter owner, responsible distributor or responsible retailer, then the registry will advise by daily Notification File to the relevant responsible party the following information:
- the date and time of the enquiry;
 - the name of the participant enquiring; and
 - the information provided by the registry as a result of the enquiry, including ICP numbers

7. Codes for registry participants

- 7.1 Rule 44.1.1 requires Gas Industry Co to determine and publish codes for every registry participant (distributors, retailers, meter owners, corrector owners, datalogger owners and telemetry owners) who are likely to be required to be associated with any ICP parameter on the registry.
- 7.2 The basis for these codes is as follows:

- Codes must be made up of 4 letters
- The 4 letter code preferred by each participant has been accepted by Gas Industry Co, subject to the provisos below. Where a participant has more than one role (eg, both a distributor and a retailer) it is at their discretion as to whether to use the same code for both roles or different codes for the different roles
- The first proviso is that each code must be unique
- The second proviso is that codes must be distinguishable from the equivalent code used for the electricity register, where the gas registry participant is also an electricity register participant

7.3 The codes to be used are as follows:

Participant Name	Participant Role	Participant Code
Auckland Gas Company	Retailer	AGCL
	Meter/Corrector/Datalogger/Telemetry Owner	AGCL
Bay of Plenty Energy	Retailer	BOPE
Contact Energy	Retailer	CTCT
	Meter/Corrector/Datalogger/Telemetry Owner	CTCT
E-Gas 2000	Retailer	EGTK
E-Gas Ltd	Retailer	EGLT
Energy Direct NZ	Retailer	WANG
GasNet	Distributor	GNET
	Meter/Corrector/Datalogger/Telemetry Owner	GASN
Genesis	Retailer	GENG
MDL	Distributor	MAUI
Mighty River Power	Retailer	GMER
NGC	Retailer	GNGC
	Meter/Corrector/Datalogger/Telemetry Owner	NGCM
Nova	Distributor	NOVA
	Retailer	GNVG
	Meter/Corrector/Datalogger/Telemetry Owner	NOVA
Powerco	Distributor	POCO
	Meter/Corrector/Datalogger/Telemetry Owner	POCO
Vector Gas	Distributor	UNLG
Vector Gas (ex-NGC)	Distributor	NGCD

8. Gas gate codes

- 8.1 Rule 44.3.1 requires Gas Industry Co to determine and publish the gas gate codes for the gas gates created by distributors.
- 8.2 The gas gate codes to apply are set out in Attachment 1.
- 8.3 Gas Industry Co will separately develop and advise a process for assigning codes to new gas gates.

9. ICP types and ICP type codes

- 9.1 Rule 44.1.3 requires Gas Industry Co to determine and publish information on ICP types and the code for each ICP type. ICP type code identifies the locational relationship between the ICP and the gas gate immediately upstream of the ICP.
- 9.2 The determined codes are as follows:

ICP Type	ICP Type Code
Gas gate connected network	GN
Embedded gas network	EN
Supply directly connected to the transmission pipeline	GD

10. ICP status codes

- 10.1 Rule 44.1.4 requires Gas Industry Co to determine and publish ICP status codes. ICP status is defined by Rule 59.
- 10.2 The determined codes are as follows:

ICP Status Code	ICP Status Description
NEW	In accordance with Rule 59.1 the ICP status of NEW denotes that the responsible distributor has not populated all of the ICP parameters for which it is responsible and the ICP is not ready for uplift by a retailer.
READY	In accordance with Rule 59.2 the ICP status of READY denotes that the ICP is ready for uplift by a retailer.
ACTC	In accordance with Rule 59.4 the ICP status of ACTIVE-CONTRACTED denotes that the responsible retailer has entered into a contract to supply gas to a consumer at the consumer installation and that either gas is able to flow to the installation, or the gas supply is temporarily disconnected.
ACTV	In accordance with Rule 59.5 the ICP status of ACTIVE-VACANT denotes that gas

ICP Status Code	ICP Status Description
	is able to flow to the consumer installation but the responsible retailer does not have a current contract to supply gas to a consumer at the consumer installation.
INACT	In accordance with Rule 59.7 the ICP status of INACTIVE-TRANSITIONAL denotes that gas is not able to flow to the consumer installation due to a transitional (non-permanent) disconnection of supply.
INACP	In accordance with Rule 59.8 the ICP status of INACTIVE-PERMANENT denotes that gas is not able to flow to the consumer installation due to a permanent disconnection of supply.
DECR	In accordance with Rule 59.11 the ICP status of DECOMMISSIONED denotes the ICP is removed from future switching and reconciliation processes, and any associated consumer installation is no longer connected to the responsible distributor's distribution system.

11. Connection status codes and valid combinations with ICP status

- 11.1 Rules 44.1.5 and 44.1.6 require Gas Industry Co to determine and publish information on connection statuses, codes for each connection status, and valid combinations of ICP status and connection status codes for any ICP. It is convenient to place all of this information into a single table.
- 11.2 Rule 60.2 also provides for Gas Industry Co to publish usage requirements for the recording of ICP connection status. ICP connection status is a mandatory field.
- 11.3 The determined codes and valid combinations are as follows:

ICP Status Code	Valid Connection Status	Connection Status Code
NEW	Pre-activation, service has not yet been installed	NEW
READY	Pre-activation, service has not yet been installed	PRE
	Gas ready to flow	GIR
ACTC	Gas able to flow	GAS
	Gas credit disconnect – GMS remains, service valve turned off and locked	GCT
	Gas credit disconnect – GMS remains, service valve turned off and locked	GCL
	Gas credit disconnect – GMS remains, service disconnected upstream of service valve by network operator	GCU
	Gas credit disconnect – GMS remains, supply capped	GCC
	Gas credit disconnect – GMS removed, supply capped	GCM
ACTV	Gas able to flow	GAS

ICP Status Code	Valid Connection Status	Connection Status Code
INACT	Gas vacant disconnect – GMS remains, supply capped	GVC
	Gas vacant disconnect – GMS removed, supply capped	GVM
	Gas currently not required – GMS remains, supply capped	GNC
	Gas currently not required – GMS removed, supply capped	GNM
	Gas maintenance disconnect – GMS remains, supply capped	GMC
	Gas maintenance disconnect – GMS remains, service disconnected upstream of service valve by network operator	GMU
	Gas maintenance disconnect – GMS removed, supply capped	GMM
	Gas safety disconnect – GMS remains, supply capped	GSC
	Gas safety disconnect – GMS remains, service disconnected upstream of service valve by distributor	GSU
	Gas safety disconnect – GMS removed, supply capped	GSM
INACP	Gas permanent disconnect ready for GMS removal – GMS remains, supply capped	GPC
	Gas permanent disconnect ready for decommissioning – GMS removed, supply capped	GPM
DECR	Service disconnected from network outside property and service abandoned	GDE

12. Load shedding categories and codes

12.1 As set out in Part A of the Schedule to the Switching Rules, the load shedding category identifies the position of the ICP's consumer installation in the hierarchy for emergency shedding of gas load. Rule 44.1.7 requires Gas Industry Co to determine and publish load shedding categories, and the code for each load shedding category.

12.2 The load shedding categories determined are as follows. These categories are taken from the draft Gas (Critical Contingency) Regulations.

Category Code	Consumption	Load Shedding Category (or Curtailment Band) Description
0		Gas offtaken for injection into gas storage
1a	>15TJ/day	Consumers supplied directly from a transmission system and who have an alternative fuel capability.
1b	>15TJ/day	Consumers supplied directly from a transmission system that do not have an alternative fuel capability.
2	>10TJ/annum	Industrial and commercial consumers with alternative fuel capability.
3	>10TJ/annum	Industrial and commercial consumers without alternative fuel

Category Code	Consumption	Load Shedding Category (or Curtailment Band) Description
		capability.
4	2 to 10TJ/annum	All consumers except for essential service providers.
5	>2TJ/annum	Essential service providers
6	<2TJ/annum	All remaining consumers who are not domestic consumers

12.3 In addition to the “category codes” outlined above, the draft Gas (Critical Contingency) Regulations provide for certain consumers to be designated as minimal load consumers. Accordingly the load shedding category code will also need to specify this sub-category designation for the relevant ICP’s consumer installation. (Note those regulations also allow for the designation of essential service providers but they are already addressed under category code “5” above).

Sub-category Code		Load Shedding Category (or Curtailment Band) Description
M		Minimal load consumer as designated under the draft Gas (Critical Contingency) Regulations

12.4 So, for example, an ICP with the following characteristics would have a load shedding category code in the registry of “3M”:

- a large industrial consumer using 11 TJ per annum but without alternative fuel capability; and
- designated as a minimal load consumer under the draft Gas (Critical Contingency) Regulations.

13. Allocation groups and codes

13.1 Rule 44.1.8 requires Gas Industry Co to determine and publish allocation groups and the code used for each allocation group. Allocation groups are established for the purposes of downstream reconciliation and allocation of gas.

13.2 Allocation groups are defined in Rule 6 of the draft Gas (Downstream Reconciliation) Rules currently under recommendation to the Minister. The intended definitions of allocation groups, and the applicable codes, are as follows:

Group Code	Allocation Group Description

Group Code	Allocation Group Description
1	ICPs that have a TOU meter with telemetry and where actual gas quantities are recorded daily
2	ICPs that have that have a TOU meter without telemetry and where actual gas quantities are recorded daily
3	ICPs where the daily gas quantities are determined by application of an approved static deemed profile to monthly gas quantities taken from register readings that are required to be recorded monthly
4	ICPs where the daily quantities are determined by application of the gas gate residual profile to monthly gas quantities taken from register readings that are required to be read monthly
5	ICPs where the daily quantities are determined by application of an approved dynamic deemed profile to monthly gas quantities taken from register readings that are not required to be recorded monthly
6	ICPs where the daily quantities are determined by application of the gas gate residual profile to monthly gas quantities taken from register readings that are not required to be recorded monthly

14. ICP profile types and codes

14.1 Rule 44.1.9 requires Gas Industry Co to determine and publish the profiles that may be assigned to ICPs and the code for each profile. This is taken to refer to the type of profile. Actual profiles will be determined and published by the allocation agent appointed pursuant to the draft Gas (Downstream Reconciliation) Rules.

14.2 Profile types are used for the reconciliation and allocation of gas and are defined by the draft Gas (Downstream Reconciliation) Rules. There are three types of profiles referred to: gas gate residual profiles, registered static deemed profiles and registered dynamic deemed profiles.

14.3 Profile type codes are 3 characters in length and identify the profile type assigned to the ICP.

14.4 The relevant codes and definitions are as follows:

Profile Type Code	Profile Type Description
GRP	A Gas Gate Residual Profile is a profile of the daily residual quantities calculated by deducting the daily quantities allocated to allocation groups 1, 2, 3 and 5; from the daily injection quantities provided by transmission system owners. The formula for calculating this is set out in rule 45.2.5 of the draft Gas (Downstream Reconciliation) Rules.
SDP	A Static Deemed Profile is a profile registered under Part 3 of the draft Gas (Downstream Reconciliation) Rules, which is a pre-determined estimate of daily gas quantities used to define the daily profile of consumption during a consumption period, for either a consumer installation or for a class of consumer installations.
DDP	A Dynamic Deemed Profile is a profile registered under Part 3 of the draft Gas (Downstream Reconciliation) Rules, which is a consumption profile that changes in

Profile Type Code	Profile Type Description
	accordance with information obtained from TOU meters installed at one or more sample consumer installations that are representative of the daily consumption profile of the consumer installation or class of consumer installations to which it is applied.

15. Retention of information on resolution of discrepancies

- 15.1 Rule 62 of the Switching Rules sets out provisions for resolving discrepancies in the information held in the registry for any ICP. Rule 62.2 requires distributors, retailers and meter owners to carry out reviews accordingly. Rules 62.3 then requires distributors, retailers and meters owners to retain records of the reviews and any resulting corrections made to the registry, for such time as Gas Industry Co determines.
- 15.2 Gas Industry Co determines that this information is to be retained indefinitely.

16. Switching codes

- 16.1 Rule 64 requires Gas Industry Co to determine and publish codes for the following:
- codes used in the switch notice to denote whether the switch is a standard switch or a move switch;
 - register content codes associated with switch readings in transfer notices;
 - acceptance codes for gas acceptance notices; and
 - reason codes for gas switching withdrawal notices.
- 16.2 In addition, implementation of the Switching Rules requires a number of codes and definitions for fields in the different switch notices.
- 16.3 The determined codes are as follows:

Switch Type Codes – Gas Switching Notice (GNT)

Switch Type Code	Switch Type Description
S	Standard switch
SM	Move-in switch

Meter Reading History Codes – Gas Switching Notice (GNT)

Meter Reading History Code	Meter Reading History Description
Y	Meter reading history requested
N	Meter reading history not requested

Register Content Codes – Gas Transfer Notice (GTN)

Register Content Code	Register Content Description
U	Uncorrected
T	Temperature corrected
TA	Temperature & Absolute Pressure corrected
TG	Temperature & Gauge corrected
TGS	Temperature, Gauge and Supercompressibility corrected
S	Supercompressibility corrected

Switch Reading Type Codes – Gas Transfer Notice (GTN) and Switch Reading Renegotiation Request (GNC)

Switch Reading Type Code	Switch Reading Type Description
A	Actual
E	Estimate

Acceptance Codes – Gas Acceptance Notice (GAN)

Acceptance Code	Acceptance Code Description
AA	Acknowledge and Accept
CO	Contracted
MP	Metering Pre-paid
MU	Unmetered
OC	Occupied
PD	Premise De-energised

Reason Codes – Gas Switching Withdrawal Notice (GNW)

Reason Code	Reason Code Description
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Reason Code	Reason Code Description
CR	Customer request
IN	Invalid ICP status
UA	Unauthorised switch
WS	Wrong switch type
MI	Withdrawn on metering issue
WP	Wrong premise
DF	Date failed
WR	Losing retailer not current retailer

Requester's Role – Gas Switching Withdrawal Notice (GNW)

Requester's Role Code	Requester's Role Description
N	New retailer
O	Old retailer

Response Codes – Gas Switching Withdrawal Response Notice (GAW)

Response Code	Response Code Description
A	Withdrawal accepted
R	Withdrawal rejected

Confirmation Codes – Switch Reading Renegotiation Response (GAC)

Confirmation Code	Confirmation Code Description
A	Renegotiation request accepted
D	Renegotiation request declined

17. Format and content of monthly compliance report

17.1 Rule 84.2 requires the registry operator to publish a monthly report on each registry participant's compliance with the time frames specified in the Switching Rules. The report must be published by 4 pm on the 15th business day of the following month. Rule 84.3 requires the content and format of this report to be specified by Gas Industry Co, in consultation with registry participants and the registry operator.

17.2 The reports cover registry participants' compliance with the timeframes required in the Switching Rules:

- delivery of and responses to switching notices;
- requested/expected/effective switch dates used in switching notices;
- maintenance of gas gate and loss factor codes; and
- parameter entry for new ICPs.

17.3 The determined format and content is set out in Attachment 2.

Draft

Attachment 1: Gas Gate Codes

For an explanation of gas types, see the separate table at the end of the attachment.

Gate Station Name	Owner	Gas Type	Gate Station Code
Alfriston		X	ALF15501
Bruce McClaren		X	BMC17901
Drury (Vector Network)		X	DRU15101
Drury (NGC Network)		X	DRU15102
Flatbush		X	FLB15601
Glenbrook		X	GLB03401
Harrisville		X	HAR11801
Henderson		X	HEN74101
Hunua (Vector Network)		X	HUN15301
Hunua (Nova Network)		X	HUN15302
Kauri		X	KUR33601
Kingseat		X	KIG16801
Marsden		X	MSD01801/MSD01802
Maungaturoto DF		X	MUT19001
Oakleigh		X	OAK18601
Otahuhu B		X	OTH00310
Papakura		X	PAP06610
Pukekohe		X	PUK04201
Ramarama		X	RAM15201
Tuakau		X	TUK06501
Waitoki		X	WTK33901
Waiuku		X	WKU16901
Warkworth		X	WRK18901
Wellsford		X	WEL18301
Westfield		X	WST03610
Whangarei		X	WHG07501
Ashhurst	Powerco	T	ASH34301
Belmont	Powerco	T	BEL24510
Dannevirke	Powerco	T	DAN05001
Feilding	Powerco	T	FLD03001
Flockhouse		T	FLH21901

Gate Station Name	Owner	Gas Type	Gate Station Code
Foxton	Powerco	T	FOX22101
Hastings (Powerco Network)	Powerco	T	HST05210
Hastings (Nova Network)		T	HST05203
Hawera (Powerco Network)	Powerco	P	HWA20801
Hawera (Nova Network)		P	HWA20802
Kairanga	Powerco	T	KRG24101
Kaitoke		O	KTK23901
Kakariki	Powerco	T	KKI23701
Kuku		T	KUK22401
Lake Alice		T	LAB20201
Levin		T	LVN24401
Longburn	Powerco	T	LNB24301
Manaia	Powerco	P	MNA23402
Mangaroa		T	MNG34001
Mangatainoka	Powerco	T	MGK05401
Marton		T	MTN23801
Matapu	Powerco	P	MTP20601
Okaiawa	Powerco	P	OKW23401
Oroua Downs	Powerco	T	ORD24701
Otaki		T	OTA22601
Paekakariki		T	PAE23001
Pahiatua	Powerco	T	PHT04901
Palmerston North	Powerco	T	PLN24201
Paraparaumu		T	PAU20101
Patea	Powerco	O	PTA20901
Pauatahanui 1	Powerco	T	PAH23201
Pauatahanui 2	Powerco	T	PAH23101
Takapau		T	TKP05101
Tawa A	Powerco	T	TWA35610
Tawa B		T	TWB24810
Te Horo		T	THO22701
Waikanae		T	WAK22801
Waitangirua	Powerco	T	WTG06910
Waitotara		O	WTT20301

Gate Station Name	Owner	Gas Type	Gate Station Code
Wanganui		O	WAG21501
Waverley	Powerco	O	WVY23601
Broadlands		B	BRO36301
Edgecumbe		B	EGC30702
Edgecumbe DF		B	EGC30701
Gisborne		B	GIS07810
Kawerau		B	KAW04405
Kawerau (Caxton)		B	KAW04410
Kawerau (Tasman)		B	KAW04411
Kihikihi (Te Awamutu)		B	KIH19101
Kinleith		B	KIN02601
Kinleith (CHH mill)		B	KIN04310
Lichfield DF		B	LCF20010
Mt Maunganui		B	MMU08001
Okoroire Springs		B	OKS32801
Opotiki		B	OPO32001
Papamoa		B	PPA33201
Putaruru		B	PTR32601
Pyes Pa		B	PYE36601
Rainbow Mountain		B	RBM03101
Rangiuru		B	RAG33401
Reporoa		B	RPR30801
Rotorua		B	ROT08101
Taupo		B	TAU07001
Tauranga		B	TRG07701
Te Puke		B	TPK33301
Te Puke DF		B	TPK33302
Te Teko		B	TTK30601
Tirau		B	TIR33502
Tirau DF		B	TIR33501
Tokoroa		B	TKR19701
Waikeria		B	WKE19201
Whakatane		B	WHK32101
Cambridge		R	CAM17201

Gate Station Name	Owner	Gas Type	Gate Station Code
Kiwitahi 1(Peroxide)		R	KIW34201
Kiwitahi 2		R	KIW34202
Horotiu		R	HRU16101
Matangi		R	MTG17301
Morrinsville		R	MRV16302
Morrinsville DF		R	MRV16301
Tatuanui DF		R	TAT16401
Tauwhare		R	TUW17101
Te Rapa		R	TRP02002
Te Rapa Cogen		R	TRP02010
Waitoa		R	WTA16501
Eltham	Powerco	N	ELM12301
Kaponga	Powerco	N	KPA12401
Kapuni (GTP)		K	KAP12902
Kapuni (Lactose)	Powerco	F	KAP12901
Stratford	Powerco	N	STR10201
TCC		n/a	TCC00210
Huntly		X	HTL16601
Hamilton Te Kowhai		R	HTK08301
Hamilton Temple View		R	HTV11301
Inglewood		N	IGW11901
New Plymouth	Powerco	E	NPL12101
Ngaruawahia		X	NGW14501
Oakura	Powerco	M	OKU16701
Okato	Powerco	M	OKA13201
Opunake	Powerco	M	OPK13001
Otorohanga		X	OTO14101
Pirongia		X	PIR31102
Pungarehu No.1	Powerco	M	PGU13101
Pungarehu No. 2	Powerco	M	PGH15901
Te Awamutu North Cogen		X	TAW31010
Te Kuiti North		X	TKN17001
Te Kuiti South		X	TKS17401
Waitara	Powerco	E	WTR12001

Gas Types

Code	Description of Gas Type
M	Maui Faull Rd
E	McKee (+ Treated Kapuni)
N	Kapuni Nth
P	Treated Kapuni South
O	Treated Kapuni / Treated Kapuni + Swift Gas
T	Treated Kapuni + Swift Gas
L	LTS Faull Rd
X	Rotowaro Mixed
K	Maui + Waihapa/Kaimiro
F	Treated Kapuni / Maui + Waihapa/Kaimiro
R	Maui / McKee / Treated Kapuni
B	Can be Gas type "R" or "R" mixed with "M"

Draft

Attachment 2: Monthly Compliance Reports

Monthly compliance reporting will consist of two complementary reports, the Switching Compliance Report and the Maintenance/Entry Compliance Report. Specifications for both reports are as follows.

Sub-process:	Produce switch compliance reports
Process:	Produce reports
Participants:	Retailers, Registry, Industry Body
Rule references:	Rules 69, 78.1, 81.1
Dependencies:	

Description:
<p>This is an automatic report that is produced every month by 1600 hours on the 15th business day of each month for the Registry. It can also be requested 'on demand' at other times by retailers and by the Registry. Retailers can only obtain information pertaining to themselves. The Registry can select information for individual or all retailers.</p> <p>There are two types of switch compliance reports: historical and current.</p> <p>The 'historical' reports show, either in summary or in detail, those switch transactions that were not received by their due date, where the due date was in the past. The Registry requires the automatic delivery of both the summary and detail historical reports for potential rule breaches of the previous month.</p> <p>The 'current' reports show, either in summary or in detail, which switch transactions have not been completed 'as at' today either because the relevant switch message has not arrived and, either the due date has passed (overdue), or because the due date has not been reached yet. This report is used to show work in progress.</p> <p>For reference: GNT = gas switching notice GAN = gas acceptance notice GTN = gas transfer notice GNW = gas switching withdrawal notice GAW = gas switching withdrawal response notice GNC = switch reading renegotiation request notice GAC = switch reading renegotiation response notice</p>

Business requirements:
<p>Breach types and calculation of due dates</p> <p>The rules for the calculation of due dates of each potential breach type need to be maintainable by the Registry as they may change over time. The rules used in this report relate to the receipt of the following breach types within certain timeframes by the intended recipient:</p> <ul style="list-style-type: none"> • GAN delivery – a GAN must be delivered by the responsible retailer (old) within two business days of the receipt of a GNT unless a GTN or GNW was provided within this time. • GTN delivery – provided a GAN has already been delivered and a GNW has not been sent/received, a GTN must be delivered by the responsible retailer (old) either within 2 business days of the switch date included in the GTN or within 23 business days of the receipt of the GNT, whichever comes first. If a GAN has not already been delivered and a GNW has not been sent/received then the GTN must

be delivered within two business days of the receipt of the GNT.

- **GNW delivery** – a GNW must be delivered by the responsible retailer (old) within two business days of the receipt of the GNT unless a GAN or GTN was provided within this time. Otherwise, a GNW may be delivered at any time between the date of the receipt of the GNT and the date that a new GNT is received by the (new) responsible retailer.
- **GAW delivery** – a GAW must be delivered within two business days of the receipt of the corresponding GNW.
- **GAC delivery** – a GAC must be delivered within two business days of the receipt of the corresponding GNC.
- **GNT (requested) switch date** – if included for a standard switch, the requested switch date in the GNT must not be more than 7 business days after the date the GNT is sent to the registry.
- **GAN (expected) switch date** – if the GNT included a requested switch date, the expected switch date must be the requested switch date or later. In all cases, the expected switch date in the GAN must be no later than 23 business days after the date the (old) responsible retailer received the GNT.
- **GTN switch date** – if the GNT included a requested switch date, the switch date in the GTN must be the requested switch date or later.

Note that after the receipt of a GNT, if any of the GAN, GTN or GNW is received late then the report will show 3 breaches - a GAN delivery breach, a GTN delivery breach and a GNW delivery breach.

It must be noted that the 'delivery' of a message, for compliance purposes, means the time the message was sent to the Registry (for details, see rule 29).

Calculation of days overdue

Days overdue = Number of days between (date of delivery of relevant document to participant, due date), where date of delivery is after due date.

If the relevant document has not arrived (no date of delivery), then for reporting purposes use today's date (runtime of the report). Assume document has until midnight to arrive.

Calculation of business days

From Rule 5: business day means any day of the week except –

- (a) Saturday and Sunday; and
- (b) Any day that Good Friday, Easter Monday, ANZAC Day, the Sovereign's Birthday, Labour Day, Christmas Day, Boxing Day, New Year's Day, the day after New Year's Day, and Waitangi Day are observed for statutory holiday purposes; and
- (c) Any other day which the industry body has determined not to be a business day as published by the industry body

Business days must be treated as calendar days, not multiples of 24 hours. For example, Registry routes GNT to retailer at any time on 23 January; current retailer then has until midnight on 25 January to deliver the GAN back to the Registry.

Note: There may be multiple potential breaches per ICP: for example, GAN not received and GTN not received (this counts as two breaches); GNT sent out by the Registry on 2 April 2002, no GAN received at all, GTN received by the Registry on 19 April 2002. The report should output this as a breach of type GAN with days overdue equal to 10 (assuming no holidays).

Data inputs:

Selection criteria for both reports

- Retailer: only the Registry may specify several or all retailers.
- Switch type: S, SM or both.
- Breach type.
- Breach party: self, other, or both, ie report if self or other is defaulting participant.
- Historical or current report.
- Summary or detail report.

Additional selection criteria for the historical report

- From/to date range: transactions that had due dates in this range.
- Days overdue or ageing buckets: for the detail report, only the minimum days overdue is specified (minimum value is 1). For the summary report, the user can specify up to four ageing buckets. The resultant report must generate an additional column for all overdues greater than the final bucket. The values are to be input in sequence, ie in ascending sequence.

Additional selection criteria for the current report

- Ageing buckets: (summary report only). The report can be produced summarising transactions that are overdue as at today's date and also those due in the future. The resultant report generates an additional column for all greater than the final bucket input. If requiring those due in the future in a bucket, negative values are input. The values should be input in ascending sequence, ie greatest negative through to the highest positive.
- Days till due: (detail report only). Selects those due within this number of days (from today's date).
- Days overdue: (detail report only). Selects those with this minimum number of days overdue.

Processing:

For the history summary report system

- Calculates the due dates.
- Selects those where:
 - they are overdue;
 - the specified retailer(s) was a participant (sender or other participant);
 - the due date is within the from/to date range specified; and
 - satisfies the other selection criteria.
- Assigns the days overdue count into one of the user-specified ageing buckets or the system-generated catch-all bucket. It is possible that the transaction does not fall into any bucket therefore is excluded from the report.
- Determines the participant in breach (defaulting participant).

- Sorts the report by switch type/breach type/defaulting participant.

For the history detail report system

- Calculates the due dates.
- Selects those where:
 - they are overdue;
 - the specified retailer(s) was a participant (sender or other participant);
 - the due date is within the from/to date range specified; and
 - satisfies the other selection criteria.
- Selects only those transactions overdue by a number of days equal to or greater than the *days overdue* input by user.
- Determines the defaulting participant.
- Sorts the output by switch type/breach type/defaulting participant/days overdue (descending).

For the current summary report system

- Calculates the due dates.
- Selects those where:
 - the actual arrival date is missing (not arrived yet);
 - the specified retailer(s) was a participant (sender or other participant); and
 - satisfies the other selection criteria.
- Determines the days overdue or days till due (ie if due date not reached yet) and assigns the count into one of the user-specified ageing buckets or the system-generated catch-all bucket. For the purposes of this report the days till due are treated as negative values. It is possible that a transaction does not fall in any bucket therefore is excluded from the report.
- Determines the defaulting participant.
- Sorts the report by switch type/breach type/defaulting participant.

For the current detail report system

- Calculates the due dates.
- Selects those where:
 - the actual arrival date is missing (not arrived yet);
 - the specified retailer(s) was a participant (sender or other participant); and
 - satisfies the other selection criteria.
- Determines the days overdue or days till due. If overdue, selects only those transactions overdue by a number of days equal to or greater than the *days overdue* input by user. If due, selects those transactions less than or equal to the *days till due* parameter.
- Determines the defaulting participant.
- Sorts the output by switch type/breach type/defaulting participant/days overdue (descending) then days till due (descending).

NB: If the user specified all breach types then an ICP could potentially be included several times in the report.

Data outputs:	
History summary output information	
Switch type	From qualifying event.
Breach type	
Defaulting participant	Derived by system.
Other participant	The non-defaulting participant impacted by the switch.
Total count in breach	Total of ageing 1 to 5.
Ageing 1	Overdue <= ageing 1 days.
Ageing 2	Overdue > ageing 1 days and <= ageing 2 days.
Ageing 3	Overdue > ageing 2 days and <= ageing 3 days.
Ageing 4	Overdue > ageing 3 days and <= ageing 4 days.
Ageing 5	Overdue > ageing 4 days.
History detail output information	
Switch type	From qualifying event.
Breach type	
Defaulting participant	Derived by system.
Other participant	The non-defaulting participant impacted by the switch.
ICP #	
Sent date	The date the GNT, GNW or GNC notice was sent by the Registry to the recipient.
Due date	The date the switch event that is subject to a breach was due to be received.
Completion date	The date the switch event that is subject to the breach was completed (actual arrival date).
Days overdue	Number of business days the event is overdue.
Current summary output information	
Switch type	From qualifying event.
Breach type	
Defaulting participant	Derived by system.
Other participant	The non-defaulting participant impacted by the switch.
Total count in breach	Total of ageing 1 to 5.
Ageing 1	Overdue or due <= to ageing 1 days.
Ageing 2	Overdue or due > ageing 1 days and <= to ageing 2 days.

Ageing 3	Overdue or due > ageing 2 days and <= to ageing 3 days.
Ageing 4	Overdue or due > ageing 3 days and <= ageing 4 days.
Ageing 5	Overdue or due > ageing 4 days.
Current detail output information	
Switch type	From qualifying event.
Breach type	
Defaulting participant	Derived by system.
Other participant	The non-defaulting participant impacted by the switch.
ICP #	
Sent date	The date the GNT, GNW or GNC notice was sent by the Registry to the recipient.
Due date	The date the switch event that is subject to a breach was due to be received.
Days till due	Number of business days from today's date until the event is due (calculated if the due date is in the future).
Days overdue	Number of business days the event is overdue.

Example: History Summary

Retailer: GENG

Date range: 1 April 2002 to 30 April 2002

Ageing buckets: 1, 5, 10, 30

Switch types: All

Breach types: All

Breach participant: Both

Assuming report run on 5 April 2002

Switch type	Breach type	Default participant	Other participant	Total	1 day or less	Between 2 and 5 days	Between 6 and 10 Days	Between 11 and 30 days	> 30 days
S	GAN	GENG	CTCT	39	27	6		1	5
S	GAN	GENG	WANG	5		2	4		
S	GTN	GENG	CTCT	40	39	1			
SM	GAN	GENG	GNVG	22	18	2		2	
SM	GAW	CTCT	GENG	5			5		

Example: History Detail

Switch type	Breach type	Default participant	Other participant	ICP #	GNT/GNW/GNC sent date	Switch event due date	Completion date	Days over-due
S	GAN	GENG	CTCT	449494933 2NG333	22/03/2002	26/03/2002		7
S	GAN	GENG	CTCT	575755743 3NG967	23/03/2002	27/03/2002	02/04/2002	4
S	GAN	GENG	CTCT	246800000 ONG222	22/03/2002	26/03/2002	28/03/2002	2
S	GAW	GENG	CTCT	123456789 ONG01A	20/03/2002	22/03/2002	25/03/2002	1

Example: Current Summary

Switch type	Breach type	Default participant	Other participant	Total	Due within next 30 days	Overdue 1 day	Overdue 5 days or less	Over-due 10 days or less	10 days over-due
S	GAN	GENG	CTCT	39	27	6		1	5
S	GAN	GENG	WANG	6		2	4		
S	GTN	GENG	CTCT	40	39	1			
SM	GAN	GENG	GNVG	22	18	2		2	

Example: Current Detail

Assuming a report run date of 30 March 2002

Switch type	Breach type	Default participant	Other participant	ICP #	GNT/GNW/GNC sent date	Switch event due date	Days until due	Days over-due
S	GAN	CTCT	GENG	4492249332NG333	22/03/2002	26/03/2002		3
S	GAN	CTCT	GENG	5757557433NG967	29/03/2002	02/04/2002	2	

Sub-process:	Produce maintenance/entry compliance report
Process:	Produce reports
Participants:	Registry, distributors, retailers, meter owners, industry body
Rule references:	Rules 45.1, 48, 51.3, 53.1, 54.1, 56
Dependencies:	

Description:
<p>This is an automatic report that is produced every month by 1600 hours on the 15th business day of each month for the Registry. It can also be requested 'on demand' at other times by retailers, distributors, meter owners and the Registry. Retailers, distributors and meter owners can only obtain information pertaining to themselves. The Registry can select information for individual or all participants.</p> <p>Reports summarise and detail the gas gates and loss factors that were not maintained and the new ICP parameters that were not entered within the timeframes specified in the rules during the previous month.</p> <p>Unlike the switching compliance reports (with both historical and current report versions), there is only a historical version of this report.</p>

Business requirements:
<p>The report must be produced monthly by 1600 hours on the 15th business day of each month for the Registry or on request by retailers, distributors, meter owners and the Registry.</p> <p>It must show failures to comply with respect to the following distributor maintenance and new ICP parameter entry rules:</p> <p>Rule 45. Distributors to give notices in relation to gas gates</p> <p>45.1 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 to –</p> <ul style="list-style-type: none"> 45.1.1 The industry body; and 45.1.2 The registry operator, and 45.1.3 All allocation agents and retailers that will be affected by the gas gate creation or decommissioning. <p>Rule 48. Distributors to give notices in relation to loss factor codes</p> <p>If a distributor intends to add or delete any loss factor codes, the distributor must, at least 20 business days before any such change takes effect, give notice of the impending change to –</p> <ul style="list-style-type: none"> 48.1 The registry operator; and 48.2 All allocation agents and retailers that will be affected by the change in loss factor codes.

Note: Rules 45 and 48 apply to maintenance of pre-loaded gas gate and loss factor code tables and their associated effective dates. The timeframes specified by the rules refer to the maximum allowable time between the effective dates and the dates the new gas gate and loss factor code information is entered in the registry.

Rule 51. Creation of new ICPs

51.3 Once a distributor receives confirmation that a new consumer installation is first connected to its distribution system, the distributor must, within 2 business days of receiving that confirmation, enter in the registry the following information from Part A of the Schedule:

- 51.3.1 The ICP identifier; and
- 51.3.2 The ICP creation date; and
- 51.3.3 The responsible distributor code; and
- 51.3.4 The physical address of the consumer installation.

Rule 53. Readying of NEW ICP and registry validation

53.1 Within 2 business days of having identified for a new ICP the values of the remaining ICP parameters listed in Part A of the Schedule apart from ICP status and connection status, the distributor must enter them in the registry.

Rule 54. Retailer for READY ICP

54.1 Subject to rule 54.2, within 2 business days of a retailer entering into a contract to supply gas to a consumer at a consumer installation for which its ICP has an ICP status of READY, the retailer must enter in the registry values for all of the ICP parameters listed in Part B of the Schedule, including:

- 54.1.1 A change to the value of the ICP status according to rule 59.9; and
- 54.1.2 The applicable valid value of the connection status.

54.2 A retailer must not record any information in the registry for an ICP before the ICP status is READY.

54.3 To avoid any doubt, the retailer that enters information under rule 54.1 may or may not be the expected retailer referred to in rule 53.3.2.

Rule 56. Meter owner information for new ICP

56.1 Within the timeframe specified in rule 56.2, the responsible meter owner for an ICP must enter in the registry values for all the ICP parameters listed in Part C of the Schedule.

56.2 The timeframe is within 2 business days after the responsible meter owner –

- 56.2.1 Has confirmed that the metering equipment has been installed at the new consumer installation; and
- 56.2.2 Has been notified of the information under rule 55.2 in relation to the ICP.

Note: Rules 51, 53, 54 and 56 apply to parameters for new ICPs and their associated effective dates. The timeframes specified by the rules refer to the maximum allowable time between effective dates and the dates the new ICP parameters are entered in the registry.

Data inputs:
<p>Selection criteria</p> <ul style="list-style-type: none"> Participant: only the Registry may specify several or all participants. Maintenance type: distributor gas gate maintenance, distributor loss factor code maintenance, distributor new ICP parameter entry, retailer new ICP entry, meter owner new ICP entry or all (note: retailers, distributors and meter owners can only view reports pertaining to themselves) From/to date range: transactions that had due dates in this range.

Processing:
<ul style="list-style-type: none"> Extract all gas gate and loss factor maintenance and new ICP events input during the previous month. Calculates the due dates. Selects those where: <ul style="list-style-type: none"> they are overdue; the specified participant(s) was the initiator the due date is within the from/to date range specified; and satisfies the other selection criteria. Calculates the days overdue for each breach Detail report is sorted by participant, maintenance type and input date. Summary report is sorted by participant and maintenance type.

Data outputs:	
Maintenance/entry compliance report output information – detail	
Name	Comment
Participant code	
Maintenance type	Distributor gas gate maintenance, distributor loss factor code maintenance, distributor new ICP parameter entry, retailer new ICP entry or meter owner new ICP entry
Input date	
Effective date	
Days overdue	

Maintenance/entry compliance report output information – summary	
Name	Comment
Participant code	
Maintenance type	Distributor gas gate maintenance, distributor loss factor code maintenance, distributor new ICP parameter entry, retailer new ICP entry or meter owner new ICP entry
Number of non-compliant events	

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