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PN UNC Workgroup Read Validation: 'Market Breaker'

20th September 2011

Introduction

- Agreed at the last meeting (6th September) to include a further 'Market Breaker' validation performed by the GT on receipt of the read
- 'Market Breaker' validations are checks aimed at protecting the industry to ensure significant erroneous reads are not used for deriving AQ, energy allocation & Reconciliation processes.
- This further check on the read should provide assurance, & confidence, to remove the need to have any validations on the calculated AQ and Reconciliation values.
- Principle being that appropriate checks are performed at read receipt not after processing the read in .
- If agreed, these rules will be documented in the Settlement BRD

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Process

- Following receipt of a read the GT will perform validation on the read, the checks mimic the minimum Shipper read validations (as per Settlement BRD). Read is rejected where it fails the validation.
- Where the Shipper identifies the read will fail the GT read validation, but knows the read is correct, the 'Read Validation Override Flag' can be populated to bypass the checks
- Where the 'flag' has been populated a 'Market Breaker' check will be performed by the GT on receipt of the meter read
- If the read fails the 'Market Breaker' check the read will be rejected & therefore not used in any other downstream process.

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GT Daily Read Validation: Actual Read

- Read validation tolerances on receipt of a read following an actual daily read (BRD 5.13.2)

Lower AQ band (kWh)	Upper AQ band (kWh)	Accepted Tolerance for Daily energy in kWh on Actual Reads
0	73,200	between 0 and 73,200 kWh
73,201	732,000	between 0 and [100%] of Meter Point SOQ
732,001	5,860,000	between 0 and [100%] of Meter Point SOQ
5,860,001	29,300,000	between 0 and [100%] of Meter Point SOQ
29,300,001	and above	between 0 and [100%] of Meter Point SOQ

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GT Daily Read Validation: Estimated Read

- Read validation tolerances on receipt of a read following an estimated daily read (BRD 5.13.2)

Lower AQ band (kWh)	Upper AQ band (kWh)	Accepted Tolerance for Daily energy in kWh on Estimated Reads
0	73,200	No greater than + or - 73,199 kWh
73,201	732,000	+ or - [100%] of Meter Point SOQ
732,001	5,860,000	+ or - [100%] of Meter Point SOQ
5,860,001	29,300,000	+ or - [100%] of Meter Point SOQ
29,300,001	and above	+ or - [100%] of Meter Point SOQ

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GT Periodic Read Validation

- Read validation tolerances on receipt of an actual periodic read (BRD 5.13.3)

Lower AQ Band (kWh)	Upper AQ band (kWh)	Accepted Tolerance for energy in kWh on Periodic Reads
0	73,200	Between 0 – [300%] of Meter Point AQ/365 x no. of days
73,201	732,000	Between 0 – [250%] of Meter Point AQ/365 x no. of days
732,001	5,860,000	Between 0 – [200%] of Meter Point AQ/365 x no. of days
5,860,001	29,300,000	Between 0 – [150%] of Meter Point AQ/365 x no. of days
29,300,001	and above	Between 0 – [100%] of Meter Point AQ/365 x no. of days

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Strawman 'Market Breaker' Daily Read Validations

A read following an actual daily read would be accepted if the consumption falls within the following tolerance

Lower AQ band (kWh)	Upper AQ band (kWh)	EUC Band	Acceptable Read Tolerance
0	73,200	1	0 - 700% of SOQ
73,201	293,000	2	0 - 650% of SOQ
293,001	732,000	3	0 - 600% of SOQ
732,001	2,196,000	4	0 - 550% of SOQ
2,196,001	5,860,000	5	0 - 500% of SOQ
5,860,001	14,650,000	6	0 - 450% of SOQ
14,650,001	29,300,000	7	0 - 400% of SOQ
29,300,001	58,600,000	8	0 - 350% of SOQ
58,600,001	And above	9	0 - 300% of SOQ

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Strawman 'Market Breaker' Daily Read Validations

A read following an estimated daily read would be accepted if the consumption (positive or negative) falls within the following tolerance

Lower AQ band	Upper AQ band	EUC Band	Acceptable Read Tolerance
0	73,200	1	700% of SOQ (+ or – consumption)
73,201	293,000	2	650% of SOQ (+ or – consumption)
293,001	732,000	3	600% of SOQ (+ or – consumption)
732,001	2,196,000	4	550% of SOQ (+ or – consumption)
2,196,001	5,860,000	5	500% of SOQ (+ or – consumption)
5,860,001	14,650,000	6	450% of SOQ (+ or – consumption)
14,650,001	29,300,000	7	400% of SOQ (+ or – consumption)
29,300,001	58,600,000	8	350% of SOQ (+ or – consumption)
58,600,001	And above	9	300% of SOQ (+ or – consumption)

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Strawman 'Market Breaker' Periodic Read Validations

A periodic read would be accepted if the consumption falls within the following tolerance

Lower AQ band (kWh)	Upper AQ band (kWh)	EUC Band	Read Tolerance
0	73,200	1	0 - 700% of AQ/365 x no. of days
73,201	293,000	2	0 - 650% of AQ/365 x no. of days
293,001	732,000	3	0 - 600% of AQ/365 x no. of days
732,001	2,196,000	4	0 - 550% of AQ/365 x no. of days
2,196,001	5,860,000	5	0 - 500% of AQ/365 x no. of days
5,860,001	14,650,000	6	0 - 450% of AQ/365 x no. of days
14,650,001	29,300,000	7	0 - 400% of AQ/365 x no. of days
29,300,001	58,600,000	8	0 - 350% of AQ/365 x no. of days
58,600,001	And above	9	0 - 300% of AQ/365 x no. of days

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