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Distribution Workgroup

27th April 2017

Class 1 and 2 Read Validation

Background

- Requirements developed during PN UNC and documented in the Settlement BRD and Read Validation Document details the validations applied to meter readings and consumption received
- The documents state how the validations will be applied to the energy calculated from readings and consumption submitted for all Classes of Supply Meter Points;
 - The AQ and SOQ effective on the date the reading or consumption is submitted will be used to determine the tolerances applied to validate the energy calculated from the reads/consumption submitted
- Defects have been raised through Market Trials (12790, 13783), as identified a different AQ & SOQ was being used to validate the energy
- Workaround presented to Market Trials Workgroup in February 2017 for defect 12790 & 13783 at April 2017 MTWG.

AQ and SOQ used for Class 1 and 2 Supply Meter Points

- On submission of a read where there is one or more estimated readings and / or during a Class change from Class 3 or 4 to Class 1 or 2 or vice versa;
 - A 'weighted AQ and SOQ' is calculated and used to validate the energy
 - The AQ and SOQ is derived by $AQ/SOQ \times \text{No of days AQ value is effective for} / \text{total no of days}$
 - The weighted AQ or SOQ considers any change in the values during the period
 - The calculated weighted AQ is used to determine the band to determine the tolerance applied
 - The calculated weighted SOQ is used to validate the daily energies

Example – Weighted SOQ

Class Change

03/01/2017

Class 4

AQ = 73,200

NDM SOQ = 280

Class 2

AQ = 73,200

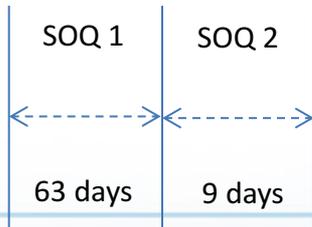
DM SOQ = 1,980

01/11/2016

12/01/2017



BRD Rules suggest that the DM SOQ to be applied during energy tolerance validation would be 1,980, however it would actually be 493



$$(\text{SOQ1} \times \text{No of days} + \text{SOQ2} \times \text{No of days}) / \text{Total no of days}$$

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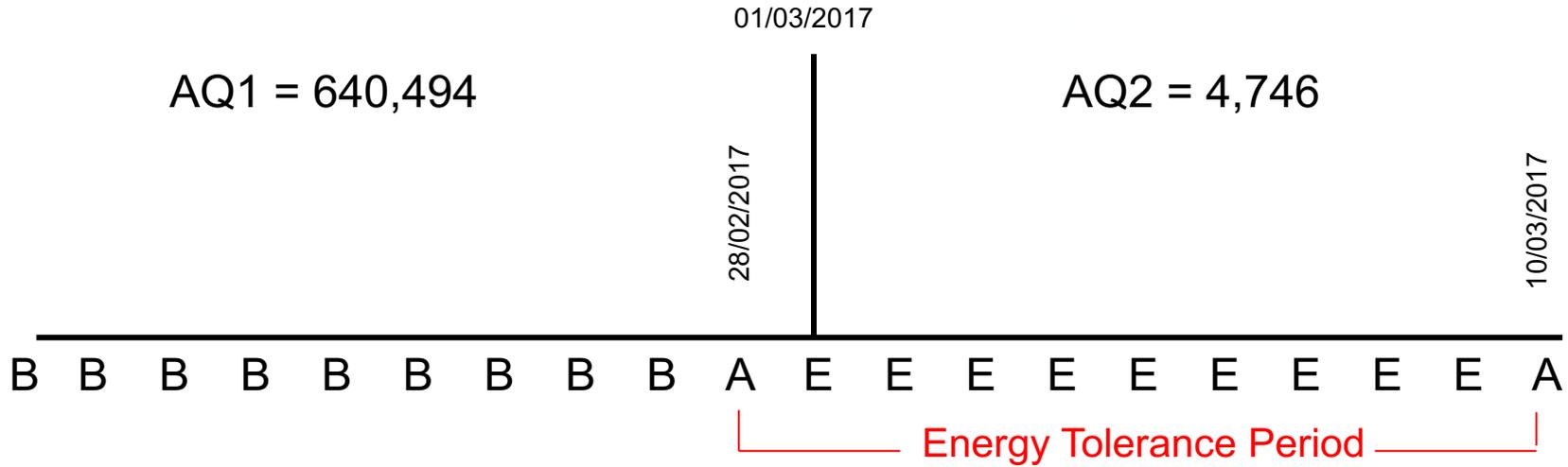


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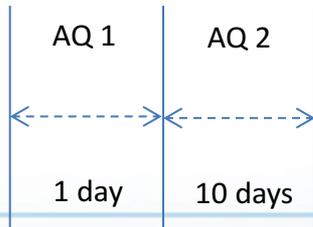
Example – Weighted AQ

Class 2

Rolling AQ Change



BRD Rules suggest that the AQ for the read date (4,746) will be used to determine the tolerance band to be applied, however it will in fact be 62,541



$$(AQ1 \times \text{No of days} + AQ2 \times \text{No of days}) / \text{Total no of days}$$

Summary

- The Settlement BRD and the UNC Validation Rules does not reflect the validations that will be delivered at implementation
- The AQ and SOQ that has been developed and will be delivered will reflect changes in the AQ and SOQ
- This only affects Class 1 and 2 Supply Meter Points and where there is a Class change from Class 1 or 2 to Class 3 or 4 or vice versa
 - Does not apply to Class 3 and 4, uses the AQ & SOQ as per the BRD
- A Change Request has been raised to change the AQ and SOQ values as per the BRD for consideration for implementation in a future release
- Proposed to monitor the number of acceptances and rejections of meter readings and carry out analysis for recommendations on whether to consider for a future release