Nov-21 Changes
UNC Validation Rules Update

Changes for Discussion

- Two changes within the scope of the November 2021 major release require updates to be made to the UNCVR document, as presented to this group in March 2021:
  - XRN5072 - Application and derivation of TTZ indicator and calculation of volume and energy – all classes
  - XRN5180 - Inner Tolerance Validation for replacement reads and read insertions

XRN5072 - Application and derivation of TTZ indicator and calculation of volume and energy – all classes

- XRN5072 was raised by Xoserve to complete a review of, and make improvements to, volume calculations that involve Through the Zero (TTZ) counts

- Inconsistent use of the TTZ in volume calculations can lead to downstream issues in AQ calculation and UIG

- The change proposes to derive the TTZ to be used in volume calculations based on the existing read history for the MPRN
  - Depending on the read history, in some circumstances calculated consumption values between impacted reads will be used to establish an accurate consumption for another period where using the read and TTZ value provided may not
  - This may be relevant for a number of circumstances such as estimates after actuals; inserted reads and replacement reads.

XRN5180 - Inner Tolerance Validation for replacement reads and read insertions

- XRN5180 is to address the issue where a read is inserted or a read replacing another, where a subsequent Meter Reading has been loaded, is rejected if the inner tolerance check (ITC) is failed

- The read validation is performed for both consumption periods, one period back to the previous read and one period forward to the subsequent read

- If one of these periods fails the ITC and, therefore, the override flag is required then the read will be rejected if it is provided or not as the second period does not require the override flag

- The planned change will allow a read that results in two periods of consumption, with one that fails the ITC and one that passes, to be accepted where the override flag is set

Next Steps

- Detail design for both changes has been approved at ChMC
  - A revision of the Detail Design Change Pack for XRN5072 is currently out for information and approval will be sought at ChMC in August 2021

- The UNCVR has been updated to reflect the changes proposed and is now available for review

- Based on the support of this group, the updated document will be presented to UNCC in August 2021

- Once approved, the updated version will have its effective date aligned to the implementation date of the release