



## **REC Consequential Changes Update**

**23<sup>rd</sup> June 2022**

Distribution Workgroup



## UNC Validation Rules

# UNCVR Changes

- Agreed in July 2021, but we were asked not to resubmit containing ‘with effect from’ clauses:

## Distribution Workgroup 22 July 2021

### Attached Files

 Minutes Distribution (28 July 2021)	522.12 KB
 Agenda Distribution (14 July 2021)	319.1 KB
 5.2 Uniform Network Code Validation Rules presentation (14 July 2021)	364.69 KB
 5.2 Uniform Network Code Validation Rules (14 July 2021)	395.58 KB

### 5.2. Uniform Network Code Validation Rules (UNCVR)


David Addison (DA) provided a change marked version of the UNCVR and a supporting presentation explaining the need for updates to the document.

DA referred to Change proposal: XRN5072 - Application and derivation of TTZ indicator and calculation of volume and energy (all classes); and XRN5180 - Inner Tolerance Validation for replacement reads and read insertions.

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

XRN5180 had been raised to address an issue where there are two reads and a read is trying to be inserted or replacing another, when a subsequent Meter Reading is loaded and rejected.

DA provided an overview of the changes within the UNCVR.

 Steve Mulinganie (SM) enquired about the predication of the changes ahead of the Central Switching System CSS and the insertion of changes ahead of the process becoming live. The timing of the changes and how best to manage these were considered and whether to postpone the CSS changes in line with the expected implementation between 06 June 2022 and 31 August 2022.

It was agreed that Version 6 would be submitted to the UNCC for approval in August 2021, without the CSS changes which had been highlighted in yellow and produce a subsequent version with the CSS changes.

The Workgroup reviewed the Version 6 required changes and supported submission to the August UNCC for approval.

- Need to submit the v7 for July ‘22 approval at the UNCC

# UNCVR Changes

- As a refresher, post CSS Go Live the ITR Validation will be suspended in some instances:
  - Opening Meter Readings for Class 3 or 4
  - Non Opening being submitted prior to Opening Reading being fulfilled
  - Must Reads
- Note and highlighted that RGMA Meter Readings do not have the opportunity to flag ITR, so this is not subject to this test
- Propose to submit this to July '22 Panel
- Remove the statements 'with effect from CSS Imp Date'?

1.8.1 An initial tolerance check (Inner Tolerance) that can be overridden by the User. The override flag can be submitted with the reading or on re-submission of the reading following rejection. This Inner Tolerance validation will be suspended for the following Meter Reading types or sources:

a) a Meter Reading submitted with a Meter Information Notification;

b) a Meter Reading submitted with a Meter Information Update Notification;

c) with effect from the Central Switching System (CSS) implementation date, an Opening Meter Reading for a Class 3 or 4 Supply Meter;

d) with effect from the Central Switching System (CSS) implementation date, a Meter Reading submitted by a User once it has become the Registered User and submitted prior to an Opening Meter Reading being submitted or otherwise determined in accordance with paragraph M 5.13.4;

e) with effect from the Central Switching System (CSS) implementation date, a Meter Reading obtained by the CDSP in accordance with paragraph M 5.10 and submitted prior to the fulfilling of an Opening Meter Reading being submitted or otherwise fulfilled; or

f) This Inner Tolerance validation will be suspended for Smaller Supply Point Class 3 Supply Meters - with the

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Version 1.47.0

Uniform Network Code – Validation Rules

exception of Check Read following a Site Visit Readings where this will still be applied. For the avoidance of doubt, Users shall continue to perform this validation as they will maintain contiguous Meter Readings

1.8.2 Must Reads Inner Tolerance Validation may be overridden by the CDSP where, following ITR failure the CDSP manually assess the Meter Reading(s) and determine that the Meter Reading has been obtained from the asset recorded on UK Link systems and accords with the Meter Reading history -



Gas Day question – change of time for obtaining Change of Supplier Meter Readings (highlights show amendments to slides following DWG)

# Gas Day Settlement - UNC

- The Gas Day remains as 05:00 to 04:59 post the SCR
- DM Meter Readings will continue to be obtained at start/end of Gas Day 05:00
- As part of the UNC changes for Faster Switching the Opening Meter Reading should be obtained for D (as opposed to the existing Opening Meter Reading window of D-5 SPSBDs to D+5 SPSBDs)
  - If a Meter Reading is obtained after D (and provided prior to D+10) this will be used to derive the Opening Reading for D
- M1.5.2 states Reads are deemed to be obtained at a specific time in relation to the Gas Day:
  - (d) a “**Daily Meter Reading**” is a Meter Reading obtained for a Day at the end of the Day;
  - (e) an “**On-site Meter Read**” is a Meter Read undertaken by a person visiting or present at the Supply Point Premises;
  - (f) in the case a Class 4 Supply Meter, a Meter Reading obtained at any time on a given Day shall be treated as obtained at the end of that Day;

# Operational Choreography

- Statement in the CSS Programme Operational Choreography (link [here](#)) states:

## **Electricity and gas days**

4.25. Currently, the point at which a gaining supplier takes responsibility for an RMP is 00:00 in both electricity and gas (the start of a calendar day). For electricity, this is aligned with the start of the day for settlement purposes. For gas, the settlement start-of-day is 05:00. It is assumed that this remains unchanged.

- It further states:

4.26. In gas, however, the point at which a gaining supplier becomes responsible for an RMP may be specified otherwise in a contract between consumer and supplier; this may be the case for some non-domestic consumers.

- There is no differentiation in UKL for Settlement timings - this will align to the Gas Day

# Impacts

- An issue has been raised in the CSS Programme (IRG-005) following proposing to implement the following statement in the Operational Choreography from 19<sup>th</sup> July 2022:

## Switch DCC-Enrolled Credit Meter

3.56. The switch of a DCC-enrolled credit meter generally follows the same process as that for a traditional credit meter, with a few differences as noted below, and one additional activity **Prepare for meter hand-over**:

1. **Notify of validated switch** - In addition, CSS notifies Smart Metering of the validated switch.
2. **Notify of secured switch** - In addition, CSS notifies Smart Metering of the secured switch.
3. **Prepare for meter hand-over** - Service Requests (SRs) are prepared and either scheduled within the supplier's system or sent future-dated to

Smart Metering. The first is Update Security Credentials (SR6.23), followed by a meter reading and other commands such as re-configuration of the meter for the new tariffs.

4. **Carry out meter hand-over** - The SR placing the gaining supplier's security credentials on the meter is executed.
5. **Obtain meter reading** - **The gaining and losing suppliers** both take a meter read (the daily read log for 00:00 on the SSD). Smart Metering allows both suppliers access to this log. If no read is taken, UK Link estimates the read based on historical data.

- Following feedback on this change Ofgem asked for feedback from parties regarding their understanding of the Smart Metering arrangements
- This issue only relates to Change of Supplier / Change of Shipper Meter Readings



# Settlement Impacts

- Smart metering applies to smaller supply points
- In UK Link the Reading Time is not recorded
  - Note: as stated the DM Readings are obtained for 05:00 (Start of Gas Day)
- The Operational Choreography document does allow for amendment to arrangement (but assumed for non dom Supply Points), but this is not differentiated in Settlement
- If Gaining / Losing Shippers\*\* are inconsistent this might result in discrepancy between Opening or Closing Meter Reading position between the two parties
- If Opening / Closing Reads are consistently applied by Gaining and Losing Shippers at 00:00\*\* then the Reading is obtained at 00:00 (as opposed to 05:00)
  - NB: I think that this would be within D-1, but this will be flagged as D and therefore will be accepted
  - Does anything need to change in the UNC to allow for the Reading to be obtained at 00:00 or are we happy that this is silent?

# Settlement Impacts

- Xoserve were asked to provide Settlement Impacts (see final column):

	Gaining supplier	Loosing supplier	Impact	Settlement Impact
DCC Implement change (closing read midnight)	Implemented change	Implemented change	None	Meter Reading will be submitted by the Gaining Shipper to the CDSP using the Reading obtained at 00:00. The Reading will be submitted with a Read Date of 'D' which would be accepted. No Reading Time is stated within the Reading file - this will have been deemed as being effective at the start / end of the Gas Day for Settlement purposes.
	Implemented change	Not implemented change	Gaining supplier will get the opening balance as expected.  Loosing Supplier's read for 5am will be rejected by the DSP, so will not be able to get the closing balance until they change their read request	Meter Reading will be submitted by the Gaining Shipper to the CDSP using the Reading obtained at 00:00. The Reading will be submitted with a Read Date of 'D' which would be accepted. No Reading Time is stated within the Reading file - this will have been deemed as being effective at the start / end of the Gas Day for Settlement purposes.  <i>On receipt of the Closing Meter Reading the Losing Shipper may challenge the Meter Reading and initiate the Shipper Agreed Readings.</i>
	Not implemented change	Implemented change	Gaining supplier will start their opening balance from 5am. As the loosing supplier has taken their closing balance from midnight then the consumer will not be charged for the period between 00:00 - 05:00. Once fixed the gaining supplier "could" perform a historic read to get the correct reading from 00:00	Meter Reading will be submitted by the Gaining Shipper to the CDSP using the Reading obtained at 05:00. The Reading will be submitted with a Read Date of 'D' which would be accepted. No Reading Time is stated within the Reading file - this will have been deemed as being effective at the start / end of the Gas Day for Settlement purposes.  <i>On receipt of the Closing Meter Reading the Losing Shipper may challenge the Meter Reading and initiate the Shipper Agreed Readings.</i>
	Not implemented change	Not implemented change	Loosing Supplier's read for 5am will be rejected by the DSP, so will not be able to get the closing balance until they change their read request.  Gaining supplier will miss the balance between 00:00 - 05:00 as above	Meter Reading will be submitted by the Gaining Shipper to the CDSP using the Reading obtained at 05:00. The Reading will be submitted with a Read Date of 'D' which would be accepted. No Reading Time is stated within the Reading file - this will have been deemed as being effective at the start / end of the Gas Day for Settlement purposes.

- Any greater impacts? Class changes?