



# **Prevention of MN09 Exception - Reconciliation Factor Calculation**

UNCC

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# Background and Issue

- The MN09 exception is generated as a result of a failure to calculate the Reconciliation Factor
- Until it is resolved the exception prevents any further billing of the MPRN
- There is a risk that following implementation of Urgent Modification 0722 the volume of exceptions could increase exponentially
  - Please note this issue is occurring regardless of Modification 0722, the modification simply increases the risk of the volume of exceptions occurring.*
- The scenario in which this occurs is where the prevailing volume used in the calculation is zero
  - Re-reconciliation of a period with zero consumption
- The calculation is defined within Section E of the UNC however there is no allowance for a zero prevailing volume

# Code Definition – Section E

6.2.2 For the purposes of an Offtake Reconciliation in respect of a relevant System Exit Point, in relation to any Day (D) in the Reconciliation Metered Period:

- (a) the “**Daily Reconciliation Quantity**” ( $DRQ_D$ ) shall be determined as follows:

$$DRQ_D = PRDQO_D * (DRF_D - 1)$$

where:

$PRDQO_D$  is the Prevailing Reconciled Daily Quantity Offtaken for the Day (as determined prior to the Reconciliation Meter Reading)

$DRF_D$  is the Daily Reconciliation Factor for the Day

- (b) the “**Daily Reconciliation Factor**” ( $DRF_D$ ) is a factor in respect of the Reconciliation Metered Period, calculated as:

$$DRF_D = RMV / PMV$$

where for that Reconciliation Metered Period:

$RMV$  is the Reconciliation Metered Volume

$PMV$  is the Prevailing Metered Volume

6.2.3 The “**Prevailing Metered Volume**” for a Reconciliation Metered Period is calculated as follows:

- (a) if the Reconciliation Metered Period is a single Day

$$PMV = PRDQO_D / CV_D$$

- (b) if the Reconciliation Metered Period is more than one Day:

$$PMV = \Sigma (PRDQO_D / CV_D)$$

where

$\Sigma$  is the sum over all Days in the Reconciliation Metered Period

and where, for each Day in the Reconciliation Metered Period

$CV_D$  is the relevant calorific value

$PRDQO_D$  is the Prevailing Reconciled Daily Quantity Offtaken.

# What is required from UNCC?

- Currently, the UK Link calculation for Reconciliation Factor is built in line with the definition in Section E and the UNC reconciliation factor calculation does not cater for a zero prevailing volume
- As this is an issue related to UNC, we wanted to highlight it to UNC Committee
- We are seeking approval from UNCC to implement a solution to handle a zero prevailing volume within these calculations whilst achieving the result in line with the intent of the UNC
- With approval, solution design can progress and delivery of the solution expedited

# Next steps

- The CDSP will progress solution design to handle a zero prevailing volume within these calculations
- In anticipation of approval, the CDSP have raised an internal change to investigate the issue
- Following the investigation, we will be in a position to understand the solutions and how they can be delivered. This will be shared with the Change Management Committee sub-group DSG
- The solution(s) will drive the delivery options. If the solution requires delivery through a UK Link release, we will follow the change governance process. The aim is to deliver a solution as soon as possible