

Proposed Modifications to an Offtake Subsidiary Document:

**T/PR/ME/2 VALIDATION OF EQUIPMENT ASSOCIATED WITH MEASUREMENT SYSTEMS FOR THE CALCULATION OF MASS, VOLUME & ENERGY FLOWRATE OF GAS**

**PART 3: FLOW WEIGHTED AVERAGE CALORIFIC VALUE OFFTAKES.**  
**Version Control (Tba)**

Nature of Proposal:

1) The Flow Computer Configuration Check CP9, ensures that the OMNI flow computer configuration contains appropriate data required to perform all computer functions correctly. Amongst other requirements, the current document requires the Engineering Manager to provide and maintain a log of fixed factors for use over a 12 month period. This relates to Isentropic Exponent, Viscosity & CO<sub>2</sub> where appropriate. It also states that for all sites, *“The value should be determined as the average value that passed through the site for the previous year.”*

National Grid Gas Distribution is seeking a change to broaden these sections to allow dynamic, on site live calculation where possible, whilst not prohibiting the ongoing use of fixed factors as before.

Due to existing system software limitations, it would not be possible to capture the actual used live values as part of the existing RBD data set and consequently it would not be possible to maintain a log in line with the current requirements. It would however be possible to reproduce the data if required (e.g. for the purposes any Meter Error Report investigation).

2) Additionally, National Grid Distribution has noticed an error in the pass/fail criterion for CP6a. The existing criterion of 0.01% of span is far too tight and unlikely to be passed. Neither passing nor failing it has any impact on the calculation for billing purposes.

Looking at some older versions of ME/2 and going as far back as the original document known as GMR00003, the criterion was always set to be 0.1% of span.

We therefore believe that the 0.01% of span is actually a typing error and that it should be reverted back to 0.1% of span as originally intended.