Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

ANNEX IV

PART I

SPECIFIC REQUIREMENTS

GAS METERS

3. **Permissible effect of disturbances**

- 3.1. *Electromagnetic immunity*
- 3.1.1. The effect of an electromagnetic disturbance on a gas meter or volume conversion device shall be such that:
- the change in the measurement result is no greater than the critical change value as defined in point 3.1.3, or
- the indication of the measurement result is such that it cannot be interpreted as a valid result, such as a momentary variation that cannot be interpreted, memorised or transmitted as a measuring result.
- 3.1.2. After undergoing a disturbance, the gas meter shall:
- recover to operate within MPE, and
- have all measurement functions safeguarded, and
- allow recovery of all measurement data present just before the disturbance.
- 3.1.3. The critical change value is the smaller of the two following values:
- the quantity corresponding to half of the magnitude of the MPE in the upper zone on the measured volume;
- the quantity corresponding to the MPE on the quantity corresponding to one minute at maximum flowrate.

3.2. *Effect of upstream-downstream flow disturbances*

Under installation conditions specified by the manufacturer, the effect of the flow disturbances shall not exceed one third of the MPE.