

## **E-Control Executive Board Ordinance Determining the Requirements for Smart Meters (Gas Smart Meter Requirements Ordinance 2012)**

In exercise of section 128 para. 2 *Gaswirtschaftsgesetz* (Natural Gas Act) 2011, *BGBI.* (Federal Law Gazette [FLG]) I no 107/2011, in conjunction with section 7 para. 1 *Energie-Control-Gesetz* (E-Control Act), FLG I no 110/2010, as published in FLG I no 51/2012, the following ordinance is issued:

### **Regulatory Matter**

**Section 1.** This Ordinance determines the requirements that smart meters pursuant to section 7 para. 1 item 26 *Gaswirtschaftsgesetz* (Natural Gas Act) 2011 shall meet and that shall be taken into account in the allowed cost for calculating the charges established pursuant to section 79 Natural Gas Act 2011.

### **Scope of Application**

**Section 2.** The requirements pursuant to section 3 concern meters pursuant to section 128 para. 1 *Gaswirtschaftsgesetz* (Natural Gas Act) 2011 with which consumers whose consumption is not metered by a load profile meter shall be furnished.

### **Requirements for Smart Meters**

**Section 3.** Smart meters pursuant to section 7 para. 1 item 26 *Gaswirtschaftsgesetz* (Natural Gas Act) 2011 shall meet the following minimum functional requirements:

1. They shall enable sending and, with the exception of devices pursuant to item 6, also receiving commands and data using a process that can be considered secure according to the state of the art.
2. They shall correctly take into account gas temperature and display meter data accordingly.
3. Devices with internal memory and display shall enable recording and saving meter readings at 60-minute intervals. They shall also enable saving the timestamp that corresponds to each meter reading so that date and time can be correctly identified, and data integrity checks shall be possible. The smart meters shall also offer the possibility to save and display daily readings (06:00 hrs). Devices with internal memory shall enable saving data for a maximum of 60 days in the device itself.
4. Devices according to item 3 shall offer the possibility to send all data recorded until 06:00 hrs of each day pursuant to item 3 via a communications interface to the system operator at least once a day so that they reach the latter by noon of that same day.
5. Devices with internal memory shall ensure that, should data transmission be interrupted, data are preserved as long as required for their complete reconstruction, within the limits of the maximum saving duration foreseen.
6. Devices without internal memory shall enable at least submission of the daily meter reading at 06:00 hrs and the pertaining timestamp, date and time to the system operator, as well as an integrity check, by way of a communications interface by noon of each day. Whether it is necessary for such devices to enable sending and receiving commands and data by way of a process that can be considered secure according to the state of the art shall be assessed on a case by case basis.
7. The communications interface that transmits the meter readings to the system operator shall be configured so as to extend battery life to last at least from one recalibration to the next.
8. If the communications interface is used jointly with other sectors, access to and the specifications of such interface shall be harmonised with all entitled parties from the time of installation at the latest and shall be provided to the entitled parties at their request in a non-discriminatory manner.
9. The smart meters and their communication shall be secured and encrypted according to the state of the art to prevent access by non-entitled parties. Communication shall be authenticated and encrypted with an individual device-related key according to the state of the art.
10. All devices with the exception of those under item 6 shall support the possibility of remote software updates in compliance with the statutory calibration regulations.

11. Devices shall comply with the provisions of metrology and calibration law and data protection law as well as the state of the art.

**Entry Into Force**

**Section 4.** This Ordinance shall come into force on 1 January 2013.

**Energie-Control Austria für die Regulierung der Elektrizitäts- und Erdgaswirtschaft**

Executive Board

Walter Boltz

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Vienna, 19 December 2012