Brussels, 30.11.2015

GRANT AGREEMENT 649894 — EEPLIANT

Call for Tender for Test Laboratories

Product Activity: WP6 Joint Testing of Heaters

Gas Boilers with a Rated Output of 70 kW or less

The testing is based on the requirements defined in regulation 811/2013 and the relevant test standards defined in Commission Communication 2014/C 207/02. The design types of boilers and the test requirements can be found in EN 15502-1:2012.

The testing comprises the parameters listed in the below table 1.

| **No.** | **Tested parameter** | **Reference** | **Unit costs (EUR incl. VAT)** |
| --- | --- | --- | --- |
| **2-5 samples** | **6-10 samples** | **+3 items for one sample** |
|  | Useful heat output at rated heat output P4 and useful efficiency at rated heat output η4 at 80/60 °C  | EN 15502-1:2012§ 3.1.6 Nominal output (definition, symbol Pn); § 3.1.5.7 Useful efficiency (definition, symbol ηu); § 9.2.2 (test);  |  |  |  |
|  | Useful heat output at 30 % of rated heat output P1 and useful efficiency at 30 % of rated heat output η1 at partial heat input and low temperature regime | EN 15502-1:2012§ 3.1.5.7 Useful efficiency (definition, symbol ηu); § 9.3.2. Useful efficiency at part load, tests; |  |  |  |
|  | Standby heat loss Pstby | EN 15502-1:2012§ 9.3.2.3.1.3 Standby losses (test);  |  |  |  |
|  | Ignition burner power consumption Pign | EN 15502-1:2012§ 9.3.2 Table 6 and 7: Q3 = permanent ignition burner. |  |  |  |
|  | Emission of nitrogen oxides NOX | EN 15502-1:2012§ 8.13. NOX (classification, test- and calculation methods) |  |  |  |
|  | Auxiliary electricity consumption at full load *elmax*, at part load *elmin* and in standby mode PSB | EN 15456:2008 and EN 15502-1:2012 (for gas boilers) |  |  |  |
|  | Sound power level LWA | EN 15036-1:2006 |  |  |  |
|  | Seasonal space heating energy efficiency ηs of boiler space heaters, boiler combination heaters and cogeneration space heaters | Commission Communication 2014/C 207/02, point 4 |  |  |  |
|  | Water heating energy efficiency ηwh of combination water heaters, Qelec and Qfuel | Commission Regulation No 814/2013, Annex IV §3.aCommission Communication 2014/C 207/03Directive 2010/30/EU |  |  |  |

Table : Parameters to be tested including references to relevant standards.

The task comprises the following services:

* Testing approximately 5 samples of gas boilers or combination heaters with a rated output below 70 kW. The precise number of samples may deviate from this budget value and will be determined by the Activity Leader and the Facilitator during the course of the Action. Testing of further samples might be requested by individual Member States outside the financial scheme of the Action.
* The Activity may ask the laboratory to participate in one or more project meetings, for instance to explain test methods or test results to the Member States.
* The Activity may ask the laboratory to host a project meeting for the representatives from the participating Member States.
* Other services.

The testing is provisionally planned to start Q1, 2016 and end Q3, 2016. This timeline may change.