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Technical Rule – Standard **DVGW G 493-2 (A)** November 2019

**Qualification Criteria for Companies for the Maintenance
of Gas Plants and Systems**

Qualifikationskriterien für Unternehmen zur Instandhaltung
von Gasanlagen

GAS

The DVGW is the technical and scientific association of gas and water engineers and comprises approximately 14,000 members. For 160 years, the DVGW has been setting the technical standards for the safe, secure and reliable supply of gas and water, actively initiating the exchange of ideas and information in the gas and water sectors and encouraging and promoting on-going progress in the sectors through practical guidance.

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Preface

This DVGW standard has been developed by the project group “Qualification Requirements for Specialised Companies” which is part of the technical committee “Plant Engineering”. It serves as the basis for the certification of specialised companies providing maintenance for gas plants as specified by DVGW G 495 (A), as well as biogas injection and refeeding plants as specified by DVGW G 265-2 (M), and hydrogen injection plants as specified by DVGW G 265-3 (M).

This standard shall facilitate the safe maintenance of gas plants according to the abovementioned DVGW sets of rules, independently of a company’s ownership and organizational structure.

The company is required to be sufficiently qualified and organized for planning, preparation, execution and documentation, as well as fault rectification, so that the comprehensive maintenance of gas installations while taking safety and environmental regulations into account can be guaranteed.

The scope of the maintenance measures is determined by DVGW standard G 495, or respectively standards DVGW G 265-2 and G 265-3, and includes monitoring (inspection and function check), maintenance and repair of the mechanical engineering plant component, construction requirements, the electrical engineering plant component, explosion protection and additional installations such as odorization, heating etc.

In order to give companies that are only engaged in planning, organizing and supervising maintenance measures in gas plants the opportunity to receive certification, Group 3 has been added to this standard. This addition closes a regulatory gap that was not covered by the DVGW sets of rules in the past.

Furthermore, the expanded requirements for occupational safety and the resulting obligations for inspection and documentation have been taken into account while determining the qualification requirements, since the respective services shall be rendered within the context of the company’s operations.

Status-oriented maintenance of gas plants has become more established throughout the years. Companies which apply for a certification for Group 1 or 3 must also possess expertise in that field.

This standard determines the qualification criteria for companies for the maintenance of gas supply plants. Only companies which meet the criteria of this standard for their respective field of activity are eligible for certification.

The rules of procedure for certification procedures are not the subject of this standard.

The certification serves as proof of the company’s qualification to their respective client.

Within the context of Directive 2004/17/EC of the European Parliament and Council from the 31. March of 2004 governing the procurement by entities operating in the water, energy, transport and postal services sectors, the existing certification procedure may be used as prequalification at a European level.

Revisions

Compared to DVGW Standard G 493-2:2008-04, the following changes have been made:

- a) Qualification requirements for companies providing maintenance for plants for the injection of biogas and hydrogen into gas distribution networks as specified by DVGW G 265-2 (M) and G 265-3 (M) have been added to the Scope of Application.
- b) Companies that only execute planning, organizing, and monitoring maintenance measures in gas plants have been newly added as Group 3.
- c) Expanded requirements for occupational safety, especially task-based risk assessment and the associated obligation for inspection and documentation have been added.
- d) Training requirements for the expert responsible for the execution of the maintenance measures have been opened for further technical qualifications.
- e) Furthermore, editorial revisions have been made.

Earlier Versions

DVGW G 493/II (A):1998-05

DVGW G 493-2 (A):2008-04