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Technical Rule – Standard **DVGW G 458 (A)** March 2016

Upgrading of Steel Gas Pipelines

GAS

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Foreword to the 2nd Edition

This Standard has been elaborated by the "G 458 – Revision" project group of the Technical Committee on "Gas Transmission Lines".

This updated edition of the Standard takes account of the developments in the national and international sets of rules that have occurred in the meantime.

A description detailing how to proceed in the event of a post-hoc documentation audit on the basis of DVGW Standard G 453 "Measures to be taken in the event of incomplete technical acceptance documentation of pipelines" has been newly added.

This DVGW Standard shall be applied in conjunction with the following standards:

- DIN EN 1594, "Gas infrastructure – Pipelines for maximum operating pressure over 16 bar – Functional requirements",
- DIN EN 12007-1, "Gas infrastructure – Pipelines for maximum operating pressure up to and including 16 bar – Part 1: General functional requirements",
- DIN EN 12007-3, "Gas infrastructure – Pipelines for maximum operating pressure up to and including 16 bar – Part 3: Specific functional requirements for steel".

In addition to the general fundamentals on how pipeline operation and maintenance, these standards also describe the requirements on gas pipeline documentation. The general fundamentals are minimum requirements agreed upon by the European experts involved in the standardisation procedure. These minimum requirements shall be complemented and implemented by detailed technical rules and/or national standards.

As a matter of principle, all requirements specified in this DVGW Standard shall be construed as binding requirements that complement the standards mentioned above.

Amendments

The following amendments have been made in comparison with DVGW Standard G 458:1984-12:

- a) Updating of normative references
- b) More detailed description of test certificate issuing procedure (preliminary certificate, final certificate)
- c) Reference to the procedure on post-hoc pipeline documentation in accordance with DVGW Standard G 453

Earlier editions:

DVGW G 458:1984-12