DVGW
Regelwerk

Technical Rule – Code of Practice

DVGW G 402 (A) | July 2011

Grid and damage statistics - Collection and evaluation of data for devising maintenance strategies for gas distribution systems

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Content

Foreword

This Code of Practice has been elaborated by the “G 401” project group within the Technical Committee on “Gas distribution”. It shall serve as a basis for the collection and evaluation of data to devise maintenance strategies for gas distribution systems.

Maintenance comprises inspection as well as service and repair activities. The respective DVGW Codes of Practice define the fundamental principles applying to inspection and service activities. This Code of Practice G 402 focuses on the collection and evaluation of data that form the main basis for repair planning.

The requirement for gas distribution systems to be permanently kept in a condition guaranteeing their technical safety and reliability necessitates timely and ongoing maintenance and service activities. These activities shall be planned in advance.

Maintenance strategies shall be integrated into corporate processes, the collection of major grid data being a prerequisite for introducing such strategies. Beyond this, condition-based maintenance requires ascertaining and evaluating grid conditions by means of adequate systems.

This Code of Practice describes the fundamental procedure for ascertaining, collecting and evaluating maintenance-relevant data and offers examples illustrating how to prepare and evaluate them.

This Code of Practice does not specify a standard data collection procedure for creating a planning concept in conformance with the DVGW Technical Rules.

This Code of Practice supersedes DVGW Code of Practice G 401:1999-09.

Amendments

The following amendments have been made vis-à-vis DVGW Code of Practice G 401:1999-09:

a) reviewed content addressing the fundamentals of devising maintenance strategies

b) definition of maintenance-relevant data (minimum data volume)

c) additional information on how to collect, prepare and evaluate data

d) informative description of maintenance strategies

e) description of rehabilitation and reconstruction methods deleted

Earlier editions

DVGW G 401:1999-09