

	Certification Programme ZP 4400 OMS interface for unidirectional meters		54400-00-P-GB	
			Doc. type	ZP
			Author	DVGW CERT GmbH
			Status	25.08.2026

Certification programme ZP **“Zertifizierungsprogramm” 4400** **of DVGW CERT GmbH, Bonn**

OMS interface for **unidirectional meters**

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0 Purpose

This is the English version of the German document 54400-01-P-DE.

DVGW G 5484 (VP) describes the OMS conformity assessment for unidirectional meters for electricity, gas, water and heat. As a supplement to this, this certification programme specifies the surveillance requirements.

The currently valid version of DVGW G 5484, dated September 2016, does not apply to all device types specified in Table 2 of the 'Open Metering System Specification. Volume 2 – Primary Communication' and still does not cover the latest generations. For this reason, the DVGW's Technical Committee 1-5 'Gas Metering and Billing' resolved at its meeting on 20 May 2026 to convert DVGW G 5484 into a standard and to include further device types.

As an interim solution until the standard is finalised, this certification programme is being revised. As part of the revision, the scope of the OMS conformity assessment and monitoring is being extended to include all device types specified in Table 2 of the 'Open Metering System Specification. Volume 2 – Primary Communication'.

Change history

Version 0 – 54400-00-P-DE dated 13 December 2017

- Original version

Version 1 – 54400-01-P-DE dated 24 July 2026

- Editorial revision
- Extension of the scope
- Change to the monitoring period

1 Certification procedure

The procedure applies to gas and water products at national level (non-harmonised area).

2 Accreditations

The procedure is accredited under g No. D-ZE-16028-01 by the 'Deutsche Akkreditierungsstelle GmbH' (DAkkS), Berlin.

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3 Conformity mark

DVGW OMS conformity mark



Registration number scheme:

OG-4467DR0xxx

OG = DVGW OMS conformity mark, 4467 = product code, DR = 2026, 0xxx = serial number

4 Type of conformity certificate

The type examination certificate is valid for 5 years. Recertification takes place in accordance with the Rules of Procedure for the Certification of Products in the Non-Harmonised Sector <40014>. Accordingly, recertification for a further 5 years may be carried out on the basis of the third-party monitoring history (see Chapter 8.2). A new type examination must be carried out every 15 years.

5 Scope

All device types of the 4th generation and older, as set out in Table 2 of the 'Open Metering System Specification, Volume 2 – Primary Communication', are assigned to the following product code.

Product group	Product code	Product type
OMS components	44 67	Wireless M-Bus

6 Testing bodies

Testing laboratories accredited in accordance with EN ISO/IEC 17025 for the Scope OMS interface and contractually bound to DVGW CERT GmbH.

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7 Requirements

The requirements for the OMS interface of a unidirectional base meter are set out in:

- Open Metering System Specification. Volume 2 – Primary Communication
- the Provisional Technical Test Specification DVGW G 5484 (VP), 'OMS Conformity Test for unidirectional meters for electricity, gas, water and heat – OMS Compliance Test'

These form the basis for the type examination prior to the issue of the type examination certificate. The requirements of DVGW G 5484 which do not explicitly apply to all device types of the 4th generation and older, as set out in Table 2 of the 'Open Metering System Specification, Volume 2 – Primary Communication', must also be taken into account for these devices.

The physical requirements for the interface are set out in the RED (Directive 2014/53/EU).

8 Monitoring

In principle, the provisions described in Section 6, 'Surveillance Procedures', of the 'Rules of Procedure for the Certification of Products in the Non-Harmonised Area' of DVGW CERT GmbH apply. These are specified in more detail by the requirements set out in sections 8.1 and 8.2.

For the surveillance of an OMS interface for unidirectional meters, the 'control test' procedure must be applied.

The tests to be carried out for monitoring comprise the manufacturer's in-house monitoring and third-party monitoring.

8.1 Manufacturer's production control (in-house monitoring)

The manufacturer must carry out appropriate tests during production in such a way as to enable a reliable assessment of the production and of the meters with an OMS interface intended for placing on the market.

Frequency of in-house monitoring: at least every 6 months

8.2 Surveillance test (third-party surveillance)

The purpose of third-party monitoring is to verify the manufacturer's in-house monitoring of the production of the certified OMS interface with a unidirectional base meter, based on the manufacturer's quality assurance specifications and records.

In addition to verifying the manufacturer's own monitoring, the monitoring process includes testing the firmware and the associated radio protocol. This involves recording the radio protocol for the manufactured product and reviewing the change log and a current raw file.

Frequency of third-party monitoring: For all certificates issued in accordance with Version 1 of this ZP (cut-off date: 24 July 2026), third-party monitoring must be carried out annually.

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8.3 Action in the event of non-conformity:

If the firmware currently in use differs from the version used during the type examination, the manufacturer's change logs must be consulted to determine whether the OMS protocol is affected by the changes. If the OMS protocol is affected by the changes, a full re-examination must be carried out to the same extent as the type examination.

9 Applicable documents

Where references are not dated, the current edition of the following documents shall apply:

- DVGW CERT GmbH <40014> Rules of Procedure for the Certification of Products in the Non-Harmonised Sector
- DVGW G 5484 (VP):2016-09
"OMS Conformity Test for unidirectional meters for electricity, gas, water and heat – OMS Compliance Test"
- Open Metering System Group e.V., 2023
"Open Metering System Specification. Volume 2 – Primary Communication". Issue 5.0.1, <https://oms-group.org/spezifikationen/>
- RED Directive 2014/53/EU

The currently valid edition applies.

10 Period of validity

This certification programme is valid from 25.08.2026 until further notice.

In case of doubt, the German document is the legally binding.