



**ACS.MET1
SAFETY ASSESSMENT CRITERIA
INITIAL & RE-ASSESSMENT**

**NATURAL GAS
DOMESTIC GAS METERS WITH A
MAXIMUM CAPACITY NOT EXCEEDING
6m³/h**

MET1	Initial and Re-assessment
-------------	----------------------------------

Introduction

Tests gas safety competences to install, commission, exchange and remove domestic gas meters.

The reference to MET 2 is now withdrawn

CBs may adopt Competence and Criteria numbering different to that used in this document.

CB documentation may adopt wording for criteria different to that used in this document, provided the meaning is unaffected.

Range of meters

Primary or secondary meters of capacity up to and including 6 m³/h.

Pre-requisites

CCN1 or equivalent and changeover

CESP1 or

CMA1 or CMA3 or QCF or S/NVQ.

Or Group Competency Certificate for re-assessment.

Operatives installing MP primary meters \leq 6m³/h with supply pressure $>$ 75 mbar also require REGT1.

Operatives holding CESP1, CMA1 & CMA3 are limited to install, exchange, remove and commission primary meters only.

Exclusions

Meter reading, pre-payment mechanisms, meter box installation, construction of meter compartments or housings, gas service pipework installation, installation or exchange of emergency/meter controls to service pipework, service valves or their operation, meter removal from site and subsequent disposal, testing by Office of Gas Supply Technical Directorate or by OFGEM Technical Directorate and theft of gas.

References and normative documents

All relevant documents as listed in the Legislative, Normative & Informative Document List (LINDL) inc.:

- HSL56
- BS 6400-1
- BS 6400-2
- BS 6891
- IGE/G/6
- GIUSP.
- IGE/UP/1b

The References (REF) where indicated are only a guide to where the criteria can be resourced and therefore, the REF may not be exhaustive.

ACS.SMB. 003.ACDND identifies Normative Documents that should be held by ACs.

Abbreviations

AC. Assessment Centre

ECV. Emergency control valve

I. Initial

LP. Low pressure

MI. Manufacturer's/manufacturers' instructions

MIV. Meter inlet valve

MP. Medium pressure

OP. Operating pressure

Ref. Reference.

R. Re-assessment

PERFORMANCE CRITERIA		REF	I	R
1a.	determine pressure in gas service pipe as being LP or MP		✓	
1b.	check ECV/MIV operates correctly		✓	✓
2.	note and confirm appliances connected to internal supply		✓	✓
3.	check meter and installation components are fit for use and purpose and regulator has been appropriately set and sealed with manufacturer's mark		✓	
4.	isolate gas supply prior to work		✓	
4a	correct use of temporary continuity bond		✓	
5.	remove plug/cap from ECV/MIV		✓	
6.	connect meter, ECV/MIV and regulator using a bracket, pliable connection, fittings and new washers.		✓	
7.	re-establish gas supply		✓	
8.	check work carried out is gas tight.		✓	✓
9.	purge exchanged meter and re-light existing appliance(s)		✓	✓
10.	check regulator OP (19 to 23 mbar)		✓	✓
10a.	check regulator locks up at a pressure not exceeding 30 mbar with no gas is flowing (OQ)		✓	✓
11.	break seal, re-set and re-seal regulator		✓	
11a.	identify gas safety faults on valves, controls, filters, regulators			✓
12.	disconnect and seal meter		✓	
13.	apply appropriate labels and notices		✓	✓
14.	explain operation and use of ECV/MIV		✓	
15.	verify newly installed pipework between ECV and outlet of regulator for MOP > 75 mbar			✓
KNOWLEDGE & UNDERSTANDING		REF	I	R
1	Incorrect meter locations		✓	
1b	Permission & requirements for meters & regulators when relocated		✓	✓
1c	Semi concealed meter box installations and the use of 2 pliable connectors on		✓	✓
1d	Installation requirements for Meters, Regulators and pliable connections		✓	✓
2.	Requirements for determining the maximum capacity of a meter.		✓	✓
3.	volume of gas to be passed by a 6 m ³ /h meter to effect a satisfactory purge		✓	✓
5.	meters supplying mobile dwellings, and boats		✓	
6.	ECV/MIV when meter is installed remotely from dwelling		✓	
7.	requirements for a number of primary meters grouped together and serving a multi-occupancy building		✓	
8.	criteria for installation of secondary meters (not required for CESP1, CMA1 or CMA3.)		✓	
9.	safety notices and labels for meters and meter installation pipework		✓	
10.	criteria for providing a gas supply to installation pipework and/or appliances for first time		✓	
10b	The Installation is determined to stay within scope of IGEM/UP/1b		✓	✓
11.	procedure for installing meter when service is not connected to gas i.e. GSIUR Reg.33		✓	
12.	Recognize unsafe meter installations, specifically: - the location & operation of ECV or AECV, the incorrect sealing of meter boxes to prevent gas entering the cavity and the procedures the operative should take when the working pressure is found outside normal parameters		✓	✓
13.	HSL56:			
(iii)	Reg.12 Meters - General provisions 12 (1) to (6)		✓	
(iv)	Reg.13 Meter Housings 13 (1) to (4)		✓	
(v)	Reg.16 Primary meters 16 (1) and (2)		✓	
14.	new washers are used every time a meter is uncoupled		✓	✓