



**ACS.MET 4
INITIAL
EMERGENCY SERVICE PROVIDER AND
GAS METER INSTALLER
NON-DOMESTIC
DIAPHRAGM METERS
NATURAL GAS**

MET4	INITIAL
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MET4 Re-assessment is contained in CESP1; CMA1; CMA2LS (Part C).

Introduction

Tests gas safety competence to install, exchange, remove and commission diaphragm type gas meters.

Candidates holding CMET1 are also deemed to hold MET4.

Candidates successfully completing this assessment may also install LP meters of capacity ≤ 6 m³/h.

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

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

Range

Primary diaphragm meters of badged capacity >6 m³/h ≤ 40 m³/h.

Pipework of diameter ≤ 2 " (50 mm) diameter.

LP only.

Pre-requisites

CMA1 or CESP1 or CCN1 or COCN1 or CCCN1
or QCF or S/NVQ.

Note: If working on meters >16 m³/hr or working on installations out of scope of UP/1B TPCP1 or TPCP1A is required.

Work on meters with MP supply also requires REGT 2.

Exclusions

Secondary meters; meter reading; pre-payment mechanisms; meter box installation; construction of meter compartments or housings; service pipework; installation or exchange of ECV/MIV; service valves or their operation; meter removal from site and subsequent disposal; testing by OFGEM and theft of gas.

References

- HSL56
- IGEM/GM/6 Edition 2
- GIUSP.

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

Abbreviations

AC. Assessment Centre
ECV. Emergency control valve
GSIUR. Gas Safety (Installation & Use) Regulations
I. Initial
LP. Low pressure
MIV. Meter inlet valve
MOP. Maximum operating pressure
MOV. Meter outlet valve
MP. Medium pressure
OP. Operating pressure

Ref. Reference.

PERFORMANCE CRITERIA	REF	I
1a. determine pressure in service as LP or MP.		✓
1. check ECV/MIV operates correctly		✓
2. note and confirm connected appliances are of the 'standard type'		✓
3. check meter and installation components are fit for use and purpose and regulator has been factory set at 22 mbar and sealed with manufacturer's mark		✓
3(a). check replacement components for obstructions		✓
3(b). check pressure test records of replacement components		✓
4. isolate gas supply prior to work		✓
5. remove plug/cap from ECV/MIV		✓
6. connect meter, ECV/MIV and regulator via bracket, semi-rigid connection, fittings, washers		✓
7. use temporary continuity bond correctly		✓
8. re-establish gas supply		✓
9. check work carried out is gas tight		✓
10. purge exchanged meter and re-light appliance(s)		✓
10a. check regulator locks up at 30 mbar with no gas flowing		✓
11. check regulator OP		✓
12. break seal, re-set regulator and re-seal		✓
12(a).observe meter for faulty operation		✓
13. disconnect and seal meter		✓
14. apply appropriate labels and notices		✓
15. explain operation and use of ECV/MIV		✓
KNOWLEDGE AND UNDERSTANDING	REF	I
1. meter locations which do not satisfy GSIUR		✓
2. badged capacity of a gas meter		✓
3. volume of gas which has to be passed by a meter to effect a satisfactory purge		✓
4. provision of an MOV		✓
5. gas meters supplying mobile dwellings and boats		✓
6. ECVs/MIVs when meter is installed remotely from dwelling		✓
7. where primary meters serving different parts of a building are grouped together		✓
8. installation of secondary meters		✓
9. safety notices and labels		✓
10. providing gas supply to installation pipework/appliances for first time		✓
11. procedure for meter installation when gas service is not connected to gas i.e. Reg.33		✓
12. unsafe meter installations		✓
13. verifying newly installed pipework between ECV and outlet of regulator for MOP > 75 mbar		✓
14. HSL56:		
(i) Reg.12 Meters – General provisions 12 (1) to (6)		✓
(ii) Reg.13 Meter Housings 13 (1) to (4)		✓
(iii) Reg.16 Primary meters 16 (1) and (2)		✓