Strategic Management Board

ACS.REGT2
SAFETY ASSESSMENT CRITERIA
INITIAL & RE-ASSESSMENT
EMERGENCY SERVICE PROVIDER AND GAS METER INSTALLER
TESTING/COMMISSIONING
NON-DOMESTIC
MEDIUM PRESSURE REGULATORS
NATURAL GAS

REGT2 INITIAL & RE-ASSESSMENT

Introduction

Tests gas safety competence to install and commission non-domestic MP meter regulators and controls.

Candidates holding CMET2 are also deemed to hold REGT2.

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

All types of non-domestic MP meter regulators and controls for gas supply for diaphragm and RD meter installations.

Pre-requisites

Initial

COCN 1 or CMA 1 or CESP1 +
MET4 or CMET1 +
TPCP1.

Re-assessment

COCN1 or CMA1 or CESP1 +
MET4 or CMET1 +
TPCP1 +
REGT2.

Exclusions

LP gas meter regulators, domestic MP regulators (see **REGT1);** any regulator where MOP_u > 2 bar or any turbine and ultrasonic meter installation (see **CMET2**).

References

MIs.

- HSL56
- IGE/UP/1.
- IGE/GM/8 Part 1
- IGE/GM/8 Part 2
- IGE/GM/8 Part 3
- IGE/GM/8 Part 4
- IGE/GM/8 Part 5
- IGE/GM/7B
- GIUSP.

ACS.SMB.005.ACDND identifies Normative Documents that should be held by ACs.

Abbreviations

AC. Assessment Centre
CB. Certification Body
I. Initial
LP. Low pressure
MIs. Manufacturer's/manufacturers' instructions
MP. Medium pressure
R. Re-assessment
Ref. Reference
SSV. Slam-shut valve.

PERFORMANCE CRITERIA		REF	I	R
1.	obtain and study details of the installation design		√	√
2.	obtain correct information concerning network to which installation is to be connected		√	√
3.	check details for settings for meter regulators, creep relief and SSVs are available		√	√
4.	check selected location is suitable for installation and carry out pre-installation check		√	√
5.	check control train (regulators, valves, safety devices and the inlet assembly) has been strength tested at minimum pressure of 3 bar		√	√
6.	check certificate confirming date and results of strength test		√	√
7.	identify and assemble regulators, valves and safety devices, to MIs, and system design plan		√	√
8.	install pipe and equipment supports		√	√
9.	identify extent of hazardous area zoning for relief valve vent stacks and position stacks accordingly		√	√
10.	seal screwed pipework and/or flanges using appropriate jointing material		√	√
11.	check installation is gas tight		√	√
12.	carry out pre-commissioning checks		√	√
13.	purge installation		√	√
14.	carry out functionality tests on train controls, to MIs		√	√
15.	**Commissioning - General**			
(i)	check all components function correctly to MIs		√	√
(ii)	set safety system control pressures and test, prior to regulator		√	√
(iii)	ensure regulator is operating in full control prior to opening outlet valves		√	√
(iv)	check set points of regulators under flow conditions (simulation can be used)		√	√
Set points – metering pressure – single stream meter installation – Figures 20/21 IGE/GM/8 Part 1.				
(i)	set active regulator at determined set point		√	√
(ii)	set SSV above relief valve set pressure (take into account accuracy of class of relief valve and SSV to ensure relief valve is not restricted) (47.5 mbar)		√	√
(iii)	check SSV set point plus accuracy group tolerance (MIP) ≤ STP of downstream system		√	√
(iv)	consider control accuracy at meter when accuracy classes for regulators were selected		√	√
16.	display notices and labels		√	√
17.	seal regulators and safety devices		√	√
18.	complete minimum information manual		√	√
KNOWLEDGE AND UNDERSTANDING		**REF**	**I**	**R**
1.	use of temporary filters and strainers for commissioning		√	√
2.	impulse and auxiliary pipework		√	√
3.	specific requirements for MP fed diaphragm meter installations		√	√
4.	specific requirements for MP fed RD meter installations		√	√
5.	commissioning instrumentation		√	√
6.	handover		√	√
7.	terms and acronyms used		√	√
8.	understanding regulated network standard operating conditions		√	√
9.	maintenance of regulators and safety controls on meter installations		√	√
10.	set points and tolerances for twin stream meter installations with 21 mbar metering pressure		√	√
11.	setting monitor regulators above active regulators		√	√
12.	setting relief valves above monitor regulators		√	√
13.	understanding zoning distances of hazardous areas surrounding meter installation fittings and components		√	√
14.	understanding ventilation requirements to meet area/hazardous area classifications		√	√