

	Form Header and Footer Portrait Template	Document Identifier	240-144602731	Rev	2
		Effective Date	23 November 2020		
		Review Date	November 2023		

Name of BU: Apollo Grid Hazardous Location Classification: Name of Registered Person: Registration Certificate No: Signature: Work order No:		Name of Substation: Apollo Converter Station Gas Group: Type of Registration: Date:								
X = required for all types		Ex "d"			Ex "e"			Ex "n"		
		Type of inspection (D = detailed, C = close, V = visual)								
		D	C	V	D	C	V	D	C	V
A	GENERAL (ALL EQUIPMENT)									
1	Equipment is appropriate to the EPL/Zone requirements of the location									
2	Equipment group is correct									
3	Equipment temperature class is correct (only for gas)									
4	Equipment maximum surface temperature is correct									
5	Degree of protection (IP grade) of equipment is appropriate for the level of protection / group /conductivity									
6	Equipment circuit identification is correct									
7	Equipment circuit identification is available									
8	Enclosure, glass parts and glass-to-metal sealing gaskets and/or compounds									
9	There is no evidence of unauthorized modifications									
10	There is no damage or unauthorized modifications									
11	Bolts, cable entry devices (direct and indirect) and blanking elements are of the correct type and are complete and tight									
	-physical check									
	-visual check									
12	Threaded covers on enclosures are of the correct type, are tight and secured									
	-physical check									
	-visual check									
13	Joint surfaces are clean and undamaged and gaskets, if any, are satisfactory and positioned correctly									
13	Condition of enclosure gaskets is satisfactory									
14	There is no evidence of ingress of water or dust in the enclosure in accordance with the IP rating									
15	Dimensions of flanged joint gaps are:									
	within the limits in accordance with manufacturer's documentation or									
	-within maximum values permitted by relevant construction standard at time of installation or									
	-within maximum values permitted by site documentation									
16	Electrical connections are tight									
17	Unused terminals are tightened									
18	Encapsulated components are undamaged									
19	Flameproof components are undamaged									
20	Fluorescent lamps are not indicating EOL effects									
21	HID lamps are not indicating EOL effects									
22	Lamp type, rating, pin configuration and position are correct									
	EQUIPMENT SPECIFIC (MOTORS)									
23	Motor fans have sufficient clearance to the enclosure and/or covers,									
24	cooling systems are undamaged									
25	Motor foundations have no indentations or cracks.									
26	The ventilation airflow is not impeded									
27	Insulation resistance (IR) of the motor windings is satisfactory									
B	INSTALLATION – GENERAL									
1	Type of cable is appropriate									
2	There is no obvious damage to cables									
3	Sealing of trunking, ducts, pipes and/or conduits is satisfactory									

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorized version on the system. No part of this document may be reproduced in any manner or form by third parties without the written consent of Eskom Holdings SOC Ltd, © copyright Eskom Holdings SOC Ltd, Reg No 2002/015527/30

