

CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

MASC MARKSCHEME AND TRAINING (PTY) LTD

Co. Reg. No.: 2018/368042/07

Facility Accreditation Number: **C83**

is a South African National Accreditation System accredited facility
provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope stated in the accompanying scope of accreditation,
Annexure "A", bearing the above accreditation number for

PRODUCT CERTIFICATION

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17065:2012

While this certificate remains valid, the accredited facility named above is authorised to
use the relevant accreditation symbol to issue facility reports and/or certificates

Mr M Phaloane
Acting Chief Executive Officer

Effective Date: 01 February 2021
Certificate Expires: 31 January 2024

ANNEXURE A

SCOPE OF ACCREDITATION

Facility Number: **C83**

Permanent Address of Facility:
 MASC Markscheme And Training (Pty) Ltd
 Unit 5 Leleytapark
 45 Jurg Ave
 Hennospark
 Centurion
 0157

Management Signatory: Mr W Mouton

Postal Address:
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 Clubview
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 0014

Nominated Representative: Mr W Mouton

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Cell: 082 394 3331
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Issue No.: 07
Date of Issue: 08 March 2022
Expiry Date: 31 January 2024

Masc Markscheme And Training (Pty) Ltd complies with the accreditation criteria for certification bodies as laid down in ISO/IEC 17065:2012 and guidelines in ISO/IEC 17067:2013, and is authorised to provide certification for the following schemes:

Certification Scheme (MS-P-BM Rev 0)	Type	Standard/Spec	Description of Standard/Specification
IAF 2: Mining and Quarrying			
SM-P-CRN Certification Requirements Non-Ex Rev 1		SANS 1484	Permitted explosives
IAF 14: Rubber and Plastics Product			
MS-P-CRN Certification Requirement Non-Ex Rev 1	Type 5	SANS 968	Conveyor Belting - Textile reinforced solid woven carcass construction
		SANS 971	Conveyor Belting - Methods of testing fire retardant properties of all conveyor belting constructions
		SANS 1173	Conveyor Belting - General Purpose textile-reinforced construction
		SANS 1366	Conveyor belting - Steel cord reinforced construction
IAF 19: Electrical and Optical Equipment			
MS-P-CR Certification Requirement Rev 3 (IEC 80079-34)	Type 5	SANS/ IEC 60079-0	Explosive atmospheres Part 0 – General Requirements
		SANS/ IEC 60079-1	Explosive atmospheres Part 1 – Equipment protection by flameproof enclosures “d”
MS-P-CRR Certification Requirement Repairs Rev1(IECEX OD 314-5/315-5)		SANS/IEC 60079-2	Explosive atmospheres Part 2 – Equipment protection by pressurized enclosures “p”
		SANS/ IEC 60079-5	Explosive atmospheres Part 5 – Equipment protection by powder filling “q”
SM-P-CRN-Certification Requirement Non-Ex Rev1		SANS/ IEC 60079-7	Explosive atmospheres Part 7 – Equipment protection by increased safety “e”
		SANS/ IEC 60079-11	Explosive atmospheres Part 11 – Equipment protection by intrinsic safety “i”
		SANS/ IEC 60079-15	Explosive atmospheres Part 15: Equipment repair Overhaul and reclamation
		SANS/ IEC 60079-18	Explosive atmospheres Part 18 – Equipment protection by increased safety “m”

SANS/ IEC 60079-19	Explosive atmospheres Part 19: Equipment repair. Overhaul and reclamation
SANS/ IEC 60079-25	Explosive atmospheres Part 25: Intrinsically safe
SANS/ IEC 60079-26	Explosive atmospheres Part 26: Equipment with separation Elements or combined Levels of protection
SANS/ IEC 60079-28	Explosive atmospheres Part 28: Protection of equipment and transmission systems using optical radiation
SANS/ IEC 60079-29-1	Explosive atmospheres Part 29-1: Gas detectors - performance requirements of a detectors for flammable gases
SANS/ IEC 60079-29-2	Explosive atmospheres Part 29-2: Gas detectors - selection, installation, use and maintenance for flammable gases and oxygen
SANS/ IEC 60079-31	Explosive atmospheres Part 31 – Equipment dust ignition protection by enclosure “t”
SANS/ IEC 60079-33	Explosive atmospheres Part 33 – Equipment protection by special protection “s”
SANS/ IEC 60079-35-1	Explosive atmospheres Part 35-1: Caplights for use in mines susceptible to firedamp-General requirements- construction and testing in relation to the risk of explosion
SANS/ IEC 60079-35-2	Explosive atmospheres Part 35-2: Caplights for use in mines susceptible to firedamp-Performance and other safety-related matters
SANS/ IEC 60079-46	Explosive atmospheres Part 46: Equipment assemblies
SANS/ISO/IEC 80079-36: 2016	Explosive atmospheres Part 36: Non-electrical equipment explosive atmospheres-Basic method and requirements
SANS/ISO/IEC 80079-37: 2016	Explosive atmospheres Part 37: Non-electrical equipment explosive atmospheres-non-electrical type of protection constructional safety “c” control of ignition source “b” liquid immersion “k”
SANS 808	Cable glands for use on flameproof enclosures (Exd)
SANS 1213	Mechanical cable glands
SANS 60529	Degrees of protection provided by enclosures (IP Code)
SANS 1438	Portable light assemblies for underground use in mines
SANS 1239	Plug, socket-outlet & coupler for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories.
SANS 1489-1	Electrical connectors in group I and II hazardous areas – Part 1: General requirements for group I hazardous areas
SANS 1489-2	Electrical connectors in group I and II hazardous areas – Part 2: Restrained type plug and sockets for group I hazardous areas
SANS 868-1-1	Compression-ignition engine systems Part 1-1: Hazardous locations in underground mines – Basic explosion protected engines
SANS 868-1-2	Compression-ignition engine systems Part 1-2: Hazardous locations in underground mines – Explosion protected engine systems
SANS 868-1-3	Compression-ignition engine systems Part 1-3: Locations on surface – Machines
SANS 1515-1	Gas measuring equipment for use in mines Part 1: Battery-operated portable, flammable gas measuring

	SANS 1515-2	instruments and warning devices Gas measuring equipment for use in mines Part 2: Fixed, transportable and vehicle-mounted flammable gas measuring and warning sensor heads and instruments.
SM-P-CRN- Certification Requirement Non-Ex Rev 1	SANS 10242-1	The rewinding and refurbishing of rotating electrical machines Part 1: Low-voltage three-phase induction motors
	SANS 1804-1	Induction motors Part 1: IEC requirements
	SANS 1804-2	Induction motors Part 2: Low-voltage three-phase standard motor
	SANS 1239	Plug socket outlet and coupler for industrial purposes- Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories
	SANS/IEC 60309-1	Plug socket outlets and couplets for industrial purposes- Part 1: General requirements
	SANS/IEC 60309-2	Plug socket outlet and couplets for industrial purposes- Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories
	SANS 1464-22	Safety of luminaires Part 22: Luminaires for emergency lighting
	SANS 1489-3	Electrical connectors in group I and group II hazardous areas Part 3: Bolted type plugs and sockets for group I hazardous areas
	SANS 1489-4	Electrical connectors in group I and group II hazardous areas Part 4: Medium voltage couplers and adaptors for group I hazardous areas
	SANS 1520-1	Flexible electric trailing cables for use in mines Part 1: Cables with operating voltages of 640/1 100V and 1 900/3 300 V
	SANS 1520-2	Flexible electric trailing cables for use in mines Part 2: Cables with operating voltage of 3,8/6, 6kV to 19/33kV
	SANS 60598-1	Luminaires Part 1: General requirements and tests
	SANS 60598-2-1	Luminaires Part 2: Particular requirements section 1: fixed general purpose luminaires
	SANS 60598-2-5	Luminaires Part 2-5: Particular requirements - floodlights

Original date of Accreditation: 01 February 2018

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager