



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

From: Technical Support Unit

Enquiries: AA Coutinho

The Manager
Mining And Surface Certification
PO Box 14344
Clubview
0014

24 April 2012

Dear Sir,

Attention: Mr. Roelof Viljoen

Application for extension of testing scope until SANAS accreditation scope has been extended.

Your unreferenced letter dated 16 April 2012 refers:

Your application for an extension in testing scope of the following standards:

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| SANS 1515-1 | "Gas measuring equipment primarily for use in mines. Part 1- Battery operated portable, flammable gas measuring instruments and warning devices." |
| IEC 60079-29-1 | Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases |
| SANS 1515-2 | "Gas measuring equipment primarily for use in mines. Part 2- Fixed, transportable, and vehicle-mounted flammable gas measuring and warning sensor heads and instruments " |
| IEC 60079-29-2 | Explosive atmospheres - Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen |
| IEC 60079-29-4 | Explosive atmospheres - Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases |
| SANS 1717-1 | "The design of detonator initiation systems for use in mining and civil blasting applications. Part 1- Electronic initiation systems " |
| SANS 1717-2 | "The design of detonator initiation systems for use in mining and civil blasting applications. Part 2- Electric initiation systems – Shot exploder based." |
| SANS 1717-3 | "The design of detonator initiation systems for use in mining and civil blasting applications. Part 3- "Controlled Blasting systems." |
| SANS 551 | "Detonators, relays and explosives initiating devices for commercial applications." |
| ARP 1717 | "The regulatory requirements for the approval of detonators, initiators and initiation systems used in mining and civil blasting applications." |
| SANS 1438 | "DRAFT – Portable light assemblies for use underground on mines." |
| IEC 62013-1 | "Caplights for use in mines susceptible to firedamp - Part 1: General requirements- Construction and testing in relation to the risk of explosion" |
| IEC 62013-2 | "Caplights for use in mines susceptible to firedamp - Part 2: Performance and other safety-related matters" |
| SANS 868-1-1 | "Compression-ignition engine systems and machines powered by such engine systems, for |

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| | use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both. Part 1-1: Hazardous locations in underground mines — Basic explosion protected engines.” |
| SANS 868-1-2 | “Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both. Part 1-2: Hazardous locations in underground mines — Explosion protected engine systems.” |
| SANS 868-1-3 | “Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both. Part 1-3: Hazardous locations in underground mines — Machines.” |
| SANS 868-4 | Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 4: Non-hazardous locations in underground coal mines |
| SANS 1020 | “The electrical components of free-standing power-operated dispensing devices for flammable liquids.” |
| SANS 1654 | “D.c.-powered machines for use in hazardous areas in mines.” |
| SANS 10012 | “The use of light metals underground in fiery mines.” |
| SANS 10119 | “Reduction of explosion hazards presented by electrical equipment - Segregation, ventilation and pressurization.” |
| IEC 60079-14 | Explosive atmospheres - Part 14: Electrical installations design, selection and erection |
| SANS 10086-2 | “The installation, inspection and maintenance of equipment used in explosive atmospheres. Part 2: Electrical apparatus installed underground in mines.” |
| SANS 10086-3 | “The installation, inspection and maintenance of equipment used in explosive atmospheres Part 3: Repair and overhaul of apparatus used in explosive gas atmospheres.” |
| SANS/IEC 60079-19 | Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation |
| SANS 10108 | “The classification of hazardous locations and the selection of apparatus for use in such locations.” |
| SANS/IEC 60529 | “Degrees of protection provided by enclosures (IP Code).” |
| ARP 0108 | “Regulatory requirements for explosion protected apparatus.” |
| SANS 1213 | “Mechanical cable glands” |
| SANS 808 | “Cable glands for use on flameproof enclosures (Ex d)” |

This approval may be withdrawn or cancelled if there is any conflict to statutory conditions.

Yours faithfully



AA Coutinho

Director Mine Safety