



South African Ex Regulations (A brief overview)



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Paul Meanwell



South African Ex Regulations



South Africa has two regulators:

DMR

Department of Minerals Resources
(Underground and offshore)

DOL

Department of Labour (Surface)



South African Ex Regulations



Both Regulators reference the same South African Standard in their regulations:

SANS 10108 and ARP 0108

SANS – South African National Standard
Published by SABS:
South African Bureau of Standards

(There are others)



South African Ex Regulations



SANS 10108:

The classification of hazardous locations and the selection of apparatus for use in such locations

- ARP 0108: (Recommended Practice)
Regulatory requirements for explosion protected apparatus



South African Ex Regulations



SANS 10108 deals with:

Area Classification

Area Demarcation

Equipment Selection

Properties of flammable substances

Lists explosive Dusts

Ventilation systems for batteries

Applies to both surface and underground



South African Ex Regulations



ARP 0108 (Owned by the regulators)

Deals with product conformity requirements for explosion protected apparatus used in South Africa (similar to IECEx)

“In South Africa, all EPA used in underground mines (Group 1) and on surface (Groups II and III) shall be covered by an IA certificate”

Contains a list of required standards (SANS)
SANS 60079 plus others



South African Ex Regulations



IA certificates certify product to SANS standards – SANS 60079 and others

Are issued by SANAS accredited labs based on type testing/assessment

(South African National Accreditation System) (ILAC Member)

Are valid for 10 years for products manufactured under a quality assessment scheme (similar system to IECEx)

Note: Both individual product and machines/assemblies require certification



South African Ex Regulations



IA certificates for imported products are only valid for one year

This will be increased to a maximum of three years with the next revision, due end of 2013



South African Ex Regulations



IECEEx and ATEX Certification: (The good news!)

Certificates are recognized

IA certificates still have to be issued

SA labs will do an assessment of the existing certification and product

Existing inter-lab relationships are useful

Watch out for the “unspoken rules”



South African Ex Regulations



Summary:

SA systems work like IECEx

To get product into South Africa:

Contact your certifying lab and ask about any existing relationships with SA labs

Work with the SA lab for an IA certificate

Obtain SANS 10108 and ARP 0108

Manufacturing licenses can be obtained



South African Ex Regulations



For further info contact:

paul.meanwell@joyglobal.com

safaservices@vdw.co.za