



Mining And Surface Certification (Pty) Ltd

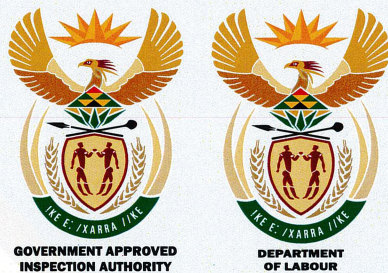


Testing

- Approved Inspection Authority (ATL) – DMR & DOL
- SANAS Accredited Test Laboratory
- Largest ATL in South Africa
- Equipment / Systems / Loops
- IA certificates
- Batch testing

Inspections

- Machine Approvals / Certification
- Installations
- Documentation compliance
- Area Classifications

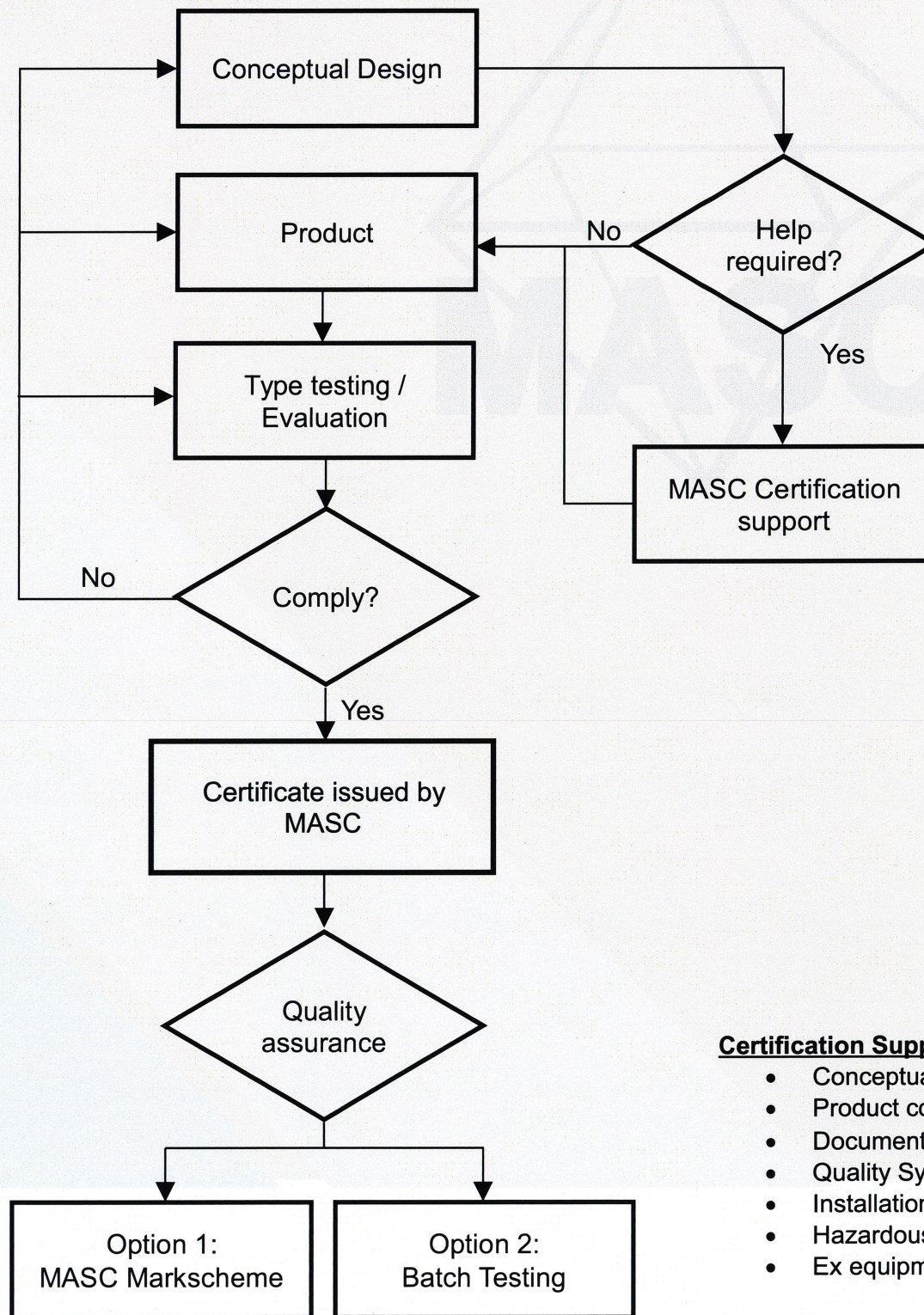


Markscheme / Permits

- Approved Markscheme Provider – DMR & DOL
- SANAS Accredited Certification Body
- Manufacturer and/or Repair
- ATEX, ANZEx, IECEX
- Non-Ex permits



Ex Equipment Certification Process



IECEX / ATEX / ANZEx / The World

- ONLY IECEX accredited Test Laboratory (ExTL) in Southern Africa
- ONLY IECEX accredited Certification Body (ExCB) in Southern Africa
- Tests / Equipment / Systems
- Unit verification
- IECEX Online certificates
- Manufacturing Audits (QAR) – Equipment Scheme
- Repair / Service Facility Audits (FAR) – Services Scheme
- Facilitate ATEX, ANZEx, India, etc.



SAFA (South African Flameproof Association)

- SAFA - Ex equipment association in South Africa
- MASC - Active member of SAFA
- MASC participates in industry activities
- MASC participates in Standards development
- MASC Presentations



Certification Support

- Conceptual Design compliance support
- Product compliance
- Documentation compliance
- Quality System compliance
- Installation compliance
- Hazardous Areas guidance
- Ex equipment guidance

Training

- Knowledgeable presenters
- Up to date / Practical approach
- Customized according to requirements
- Presented at required knowledge level
- Immediately productive personnel
- Acceptable certificates
 - Design courses
 - Installation, Inspection & Maintenance
 - Manufacturing
 - Repairs
 - Quality Systems



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