

## Service reference from DEKRA Certification for certification of Ex products

### Introduction

This document describes in the most general terms the working procedure for evaluation, testing and certification of Ex equipment and components (Ex products).

### DEKRA Certification - Business Line Explosion Safety

Concerning equipment intended for use in potentially explosive atmospheres, DEKRA Certification participates in various standardization committees; the Ex Notified Bodies Group, the IECEx System, and has a partnership with QPS and FM Approvals, which ensures mutual recognition of test results in many parts of the world to ease the acceptance of products in different markets.

In addition to this DEKRA Certification evaluates and tests products upon manufacturer's specific requirements and performs quality management systems assessments and certification of Ex manufacturers and repair shops.

Services are for instance:

- ATEX certification
- IECEx certification
- JPEX certification (Japan)
- FM certification including mandatory electrical safety testing (North America)
- INMETRO certification (Brazil)
- KC certification
- QPS certification including mandatory electrical safety testing
- TIIS certification

### Quotation

Upon request DEKRA Certification can provide a quotation for the service required. Detailed documentation of the product must be provided, including the product specifications, product requirements and the IEC- or EN- standard(s) including date of issue according to which the product must be evaluated and tested. Additional information will be requested if considered necessary.

Based on the information provided DEKRA Certification will prepare a quotation specifying the estimated costs, time schedule and necessary documentation and samples.

Depending on the product and the requested service, additional information will be provided, for example in case also the quality management system needs to be certified.

### Placing an order

To place the order the order confirmation of the quotation and if applicable the application form(s) must be signed and returned to DEKRA Certification. Upon receipt of the order DEKRA Certification will send an order confirmation and prepayment invoice.

The required items listed in the quotation must be sent to DEKRA Certification to start the project as stated in the time schedule.

### Product evaluation and tests

- |         |   |
|---------|---|
| Phase 1 | Initial check of documentation and samples    |
| Phase 2 | - Construction evaluation                     |
|         | - If required, product testing                |
|         | - Generation of draft certificate and -report |
| Phase 3 | Review of project and certification           |

Additional reporting of non-compliances, re-evaluation due to product and/or drawing modifications initiated and/or test failures can involve additional costs and time. If during evaluation or tests non-compliances are encountered, DEKRA Certification will contact the applicant. By mutual agreement it will be decided how to proceed.

### Certification and/or reporting

Finally DEKRA Certification will report according to the service requested. Draft certificates and reports are sent to the applicant to verify the product and company details. The original documents are only sent digitally. The project will be closed by sending the final invoice.

### Conclusion

This service reference describes DEKRA Certification's general procedure for certification of Ex products. Upon request this working procedure can be adapted to a specific situation as long as this working procedure complies with the rules DEKRA Certification has to follow as a certification body.

For any further questions the Explosion Safety Sales Support Office can be contacted: [ex.nl@dekra.com](mailto:ex.nl@dekra.com) or +31 88 96 83008