



# Service Module for **SIPROTEC** & **Reyrolle** Protection Devices

Routine inspections confirm the correct condition of your system. They discover deficiencies that have developed over the period since commissioning which can prevent correct and hazard-free operation of the switchgear.

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# Service Module for SIPROTEC & Reyrolle Protection Devices

## Function Test

### Cycle

Annually

### 1. Measures to be performed

- Visual inspection of the protection system
- Comparison of measured operating values
- Trip test by issuing the OFF command or AR command (optional)

- Reading and evaluating the event log
- Checking the protection fault messages and their remote transmission (if applicable)

### 2. Documentation

- Test report
- Inspection tag

## Protection-Function Test

### Cycle

Every 4 years

### 1. Measures to be performed

- Verification all current protection parameters such as Starting and tripping characteristics on function
- Review of suggestions characteristic curves and tripping excitations for overcurrent time Distance and differential protection
- Checking the function of all used inputs and outputs (AR including the control of the circuit breaker)
- Comparison of measured operating values
- Check additional functions (e.g.: Teleprotection, characteristic curve switching, etc)

- Interface check by reading and evaluating the Message and fault value memory using one Service interface for digital protection systems

### 2. Provision of special tools, measuring devices and testing equipment

Product specific

### 3. Documentation

- Test report
- Inspection tag

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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