



# Preventive Service for **Distribution Transformers** **Dry Type**

Preventive service is for the safe and reliable operation of the transformers. This detects deficiencies at an early stage and can prevent failure and performance improvement of assets.

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# Preventive Service for Distribution Transformers Dry Type



A transformer is the essential equipment within an electrical substation. Perform preventive service activities to ensure the transformer maintains a high level of performance and a long functional life.

To ensure maximum availability, operational reliability, and optimal user experience during the whole lifecycle, we offer regular preventive service activities to be performed from time to time.

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 conducted contract.

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## Scope of Services

### Measures to be performed

- Visual inspection
- Check the condition of the winding surface
- Check the tightening torques of the bolt and nut
- Check correct tapping connections and bolt tightening
- Check grounding condition of transformer body and enclosure
- Check whether the temperature controller is set, the temperature probe and the PT100 are normal, if applicable
- Check for accessories like an electromagnetic lock, a travel switch, and so on, if applicable
- Transformer surface cleaning
- Cleaning of the protective housings (if applicable) for cast resin transformers in a similar manner as control cabinets to ensure that the air inlet and outlet openings are free of dust and dirt deposits
- Check the fan, if available

### Optional

- Electrical tests
  - Turn ratio test
  - Insulation resistance winding test
  - Insulation resistance core/clamp test
- Winding resistance test

## Your benefits

- High skilled and experienced field **service personnel**
- **Reduce operational risks** through high quality procedures and standards
- **Reduce downtime costs**
- **One partner** for your distribution system assets

## Service Execution: Service Contract

### Basic SLA

- Visual Inspection
- Functional Checks (electrical, mechanical, electronics)

### Advanced SLA

- Electrical Test

## Documentation

- Test report
- Site check list report

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