

Electrical Maintenance & Engineering Services

Electrical Distribution Equipment Maintenance Scheduling

Electrical Distribution Equipment is an integral and critical part of any facility. Therefore, it is important to perform maintenance to ensure reliable and continuous operation of that equipment. The following is an industry accepted maintenance schedule template for typical electrical distribution equipment.

Equipment Type	Visual Inspection (months)	Exercising Mechanically (months)	Complete Testing & Maintenance (months)
Switchgear/Switchboard Assemblies	12	12	24
Transformers			
Small Dry Type	2	12	36
Large Dry Type	1	12	24
Liquid Filled	1	12	24
Fluid Sampling	---	---	12
Cables			
Low, Medium & High Voltage	2	12	36
Metal Enclose Busways	2	12	24
Infrared Scan	---	---	12
Switches			
Low Voltage Air Switches	2	12	36
Medium & High Voltage Switches	1	12	24
Oil , Vacuum or SF_6 Switches	1	12	24
Circuit Breakers			
Low Voltage Power & Insulated/Molded Case	1	12	36
Medium Voltage Air	1	12	36
Medium Voltage Vacuum	1	12	24
Medium Voltage Oil	1	12	36
Fluid Sampling	---	---	12
High Voltage Oil	1	12	24
Fluid Sampling	---	---	12
High Voltage SF_6	1	12	12
Circuit Switchers	1	12	12
Protective Relays	1	12	12
Step-Voltage Regulators	1	12	24
Fluid Sampling	---	---	12
Instrument Transformers	12	12	36
Low & Medium Voltage Motor Starters	2	12	24
Low & Medium Voltage Motor Control Centers	2	12	24
Metering Equipment	12	12	36
Load Tap Changers	1	12	24
Grounding Systems	2	12	24
Ground Fault Protection	2	12	12
Motors & Generators	1	12	24
Large Station Power Generators	1	---	24
Starters & Motor Control Centers	2	12	24
Capacitors	1	12	12
Reactors – Dry type or Liquid	2	12	24
Outdoor Bus Structures	1	12	36
Automatic Transfer Switches	1	12	12
Batteries/Battery Chargers	1	12	12
Rectifiers	1	12	24
Surge Arresters – Low, Medium & High Voltage	2	12	24

These recommended frequencies can have a multiplier anywhere from .5 to 2.0 dependent on the equipment environmental conditions, equipment usage or operations, or critical nature of the loads the equipment is feeding (reliability concerns.)

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