



Second Correlating Revision No. 9-NFPA 70B-2022 [Detail]

Revise 17.1 to read:

17.1 Chapter Scope.

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 14:53:00 EDT 2022

Committee Statement

Committee Statement: The revision is for consistency with the same section in all of the other chapters of the document.



Second Correlating Revision No. 10-NFPA 70B-2022 [Section No. 3.3.54]

3.3.54* Ground-Fault Circuit Interrupter, Special Purpose (SPGFCI). (Special-Purpose Ground-Fault Circuit Interrupter)

A device intended for the detection of ground-fault currents, used in circuits with voltage to ground greater than 150 volts, that functions to de-energize a circuit or portion of a circuit within an established period of time when a ground-fault current exceeds the values established for Class C, D, or E devices. [70, 2023]

A.3.3.54 Ground-Fault Circuit Interrupter, Special Purpose (SPGFCI). (Special-Purpose Ground-Fault Circuit Interrupter)

See UL 943C, *Outline of Investigation for Special Purpose Ground-Fault Circuit Interrupters*, for information on Classes C, D, or E special purpose ground-fault circuit interrupters. [70, 2023]

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 17:14:12 EDT 2022

Committee Statement

Committee Statement: The definition of special purpose ground-fault circuit interrupter has been extracted from NFPA 70 for correlation between documents.



Second Correlating Revision No. 3-NFPA 70B-2022 [Section No. 7.2.1.1]

7.2.1.1 Infrared Thermography Thermographic Inspection of Electrical Connections.

Infrared thermographic inspection of electrical connections and terminations ~~that have nominal current flow~~ shall be performed in accordance with Section 7.4.

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 10:09:18 EDT 2022

Committee Statement

Committee Statement: The word "thermography" in the title is replaced with "thermographic" for consistency with the term used in the requirement of this section.



Second Correlating Revision No. 4-NFPA 70B-2022 [Section No. 10.1.4]

9.1.2 Maintenance Frequency Modifications.

9.1.2.1

Once the initial frequency for inspection and tests has been established based on the intervals listed in Table 9.2.2 and the equipment condition assessment , this frequency shall be adhered to for at least ~~four~~ two maintenance cycles unless unexpected failures occur.

9.1.2.1.1

For equipment that has unexpected failures, the ~~interval between inspections shall be immediately reduced by 50 percent~~ cause of the failure shall be used to determine if the maintenance interval for the equipment needs to be reduced .

9.1.2.1.2*

If more than two inspections are completed without requiring additional service, the equipment owner shall be permitted to resume the original inspection period.

9.1.2.2

If more than two inspections are completed without detecting equipment problems, the maintenance cycle shall be permitted to be extended to longer intervals than listed in Table 9.2.2 .

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 10:18:14 EDT 2022

Committee Statement

Committee Statement: Sections 9.1.2.1.1 and 9.1.2.2 have been revised by replacing the word "increased" with "reduced" and "decreased" with "extended" to clarify the intended result in respect to the necessary maintenance intervals. This revision align with with language used in CC 201 on Section 9.1.1.



Second Correlating Revision No. 5-NFPA 70B-2022 [Sections 10.1.1, 10.1.2]

9.2 Frequency of Maintenance.

9.2.1*

~~Manufacturer's~~ The manufacturer's recommendations shall be followed for each of the maintenance scopes specified in this standard for the required intervals.

[Detail SR-187](#)

9.2.2*

Where the manufacturer's recommendations are not provided, or available and failure, breakdown, or malfunction of the equipment will present an unacceptable risk for personnel or the environment, equipment maintenance shall be performed at not greater than the intervals specified in Table 9.2.2, in accordance with the equipment condition assessment in Section 9.2, and as modified by the other parts of this chapter.

Table 10.1.2.1 Maintenance Intervals

Product	Scope of Work	Equipment Condition Assessment			Reference
		Condition 1	Condition 2	Condition 3	
All equipment	Infrared thermography	12 months	12 months	6 months	11.17
Molded-case/insulated case circuit breakers	Mechanical operation cycling	60 months	36 months	12 months	17.1
	Visual inspection	12 months	12 months	6 months	17.8
	Maintenance and testing	60 months	36 months	12 months	17.9, 11.10
Power circuit breakers	Mechanical operation cycling	60 months	36 months	12 months	17.1
	Visual inspection	12 months	12 months	6 months	17.8
	Maintenance and testing	60 months	36 months	12 months	17.9, 11.10
Fuses, 1000 volts or less	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
Fuses, greater than 1000 volts	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
Medium-voltage circuit breakers, air — magnetic	Mechanical operation cycling	60 months	36 months	12 months	AN
	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
Medium-voltage circuit breakers, vacuum	Mechanical operation cycling	60 months	36 months	12 months	AN
	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
Medium-voltage circuit breakers, oil	Mechanical operation cycling	60 months	36 months	12 months	AN
	Oil dielectric breakdown test	12 months	12 months	12 months	AN
	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
Medium-voltage interrupter switches	Mechanical operation cycling	60 months	36 months	12 months	AN
	Visual inspection	12 months	12 months	6 months	AN
	Maintenance and testing	60 months	36 months	12 months	AN
High-voltage	Visual inspection	12 months	12 months	6 months	15.1.2.1

Product	Scope of Work	Equipment Condition Assessment			Reference
		Condition 1	Condition 2	Condition 3	
substation insulators	Corona detection	12 months	6 months	4 months	15.1.2.2
	Maintenance and testing	60 months	36 months	12 months	11.9
High-voltage substation conductors	Visual inspection	12 months	12 months	6 months	15.1.3
	Mechanical checks	60 months	36 months	12 months	15.1.3
High-voltage substation air disconnecting switches	Visual inspection	12 months	12 months	6 months	15.1.4.3
	Mechanical checks	60 months	36 months	12 months	15.1.4.3
High-voltage substation grounding equipment	Visual inspection	12 months	12 months	6 months	15.1.5
	Mechanical checks	36 months	24 months	12 months	15.1.5
	Maintenance and testing	60 months	36 months	12 months	11.13.1, 11.13.2, 11.13.3
High-voltage substation enclosures	Security/operation check	6 months	3 months	1 month	15.1.6
Switchgear assemblies	Security/operational check	6 months	6 months	1 month	15.2.5
	Enclosure visual inspection	6 months	3 months	1 month	15.2.6 through 15.2.7.2
	Ventilation visual inspection	6 months	3 months	1 month	15.2.9
	Space heater operational check	12 months	12 months	6 months	15.2.8
	Maintenance and testing	60 months	36 months	12 months	11.9
Surge arresters	Visual inspection	12 months	6 months	3 months	15.9.2.1
	Maintenance and testing	60 months	36 months	12 months	15.9.2.2
Capacitors	Visual inspection	6 months	6 months	3 months	15.8.3.4
	Maintenance and testing	60 months	36 months	12 months	15.9.3.3
Batteries and chargers	Visual inspection/clean	1 month	1 month	1 month	15.9.4.4 through 15.9.4.4.13
	Check connection resistance	12 months	12 months	6 months	11.14.2.4, 15.9.4.4.12
	Pilot cell measurements	1 month	1 month	1 month	11.14.2.2
	All lead-acid cell-specific gravity	3 months	3 months	3 months	11.14.2.1
	Capacity test	60 months	36 months	12 months	11.14.2.3
Protective relays, electromechanical	Maintenance and testing	36 months	24 months	12 months	15.9.7.3, 11.12

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>			<u>Reference</u>
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>	
Protective relays, solid-state	Maintenance and testing	36 months	36 months	12 months	15.9.7.3, 11.12
Supervisory control and data acquisition electrical/electronic systems	Lamp test/verify indicators	6 months	1 month	1 month	12.14.11.1, 12.14.11.2
	Inspect enclosures for dirt, heat, water	6 months	1 month	1 month	8.7.1, Table L.1
	Physically exercise valves and actuators	12 months	6 months	3 months	AN
	Actuate switches	12 months	6 months	3 months	AN
	Run PLC diagnostics	12 months	6 months	3 months	22.4.4
	Calibrate sensors and transmitters	12 months	12 months	6 months	11.7
	Calibrate actuators	12 months	12 months	6 months	11.7
	Calibrate meters	12 months	12 months	6 months	AN
	Test batteries	12 months	6 months	3 months	15.9.4.6
	Test automatic control sequences	12 months	12 months	6 months	AN
	Verify alarms	12 months	12 months	6 months	15.9.6.1, 12.4.11, 15.9.6
Supervisory control and data acquisition pneumatic system/components	Check regulators and filters	6 months	1 month	1 month	AN
	Inspect tubing and piping	6 months	1 month	1 month	AN
	Actuate pressure switches	12 months	6 months	3 months	AN
	Physically exercise valves and actuators	12 months	6 months	3 months	AN
	Calibrate switches and sensors	12 months	12 months	6 months	AN
	Calibrate pressure gauges	12 months	12 months	6 months	AN
	Calibrate thermometers	12 months	12 months	6 months	AN
Power and distribution transformers, liquid-filled	Current and voltage readings	1 month	1 month	weekly	21.2.2.2, 21.2.3
	Temperature readings	1 month	1 month	weekly	21.2.4
	Liquid level check	1 month	1 month	weekly	21.2.5.1
	Pressure/vacuum gauge readings	1 month	1 month	weekly	21.2.5.2
	Liquid analysis	12 months	12 months	6 months	21.2.8
	Comprehensive liquid tests	12 months	12 months	6 months	11.11.9, 11.19
	Maintenance and testing	60 months	36 months	12 months	21.2.9, 11.11.2
	Fault gas analysis	12 months	12 months	6 months	21.2.9, 11.11.9

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>			<u>Reference</u>
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>	
	Dissolved-gas-in-oil analysis	12 months	12 months	6 months	11.11.10
Power and distribution transformers, dry-type, air-cooled	Maintenance and testing	60 months	36 months	12 months	11.9, 11.11.2
Power cables	Visual inspection	36 months	12 months	6 months	19.2
	Maintenance and testing	60 months	36 months	12 months	19.5, 11.9.2.4
Motor control equipment	Enclosures visual inspection/clean	12 months	12 months	6 months	16.2.1 through 16.3.5
	Busbar, wiring, and terminal connections — check connections for tightness	36 months	24 months	12 months	16.4.2
	Busbar, wiring, and terminal connections — visual inspection of insulators	24 months	12 months	6 months	16.4.4
	Busbar, wiring, and terminal connections — visual inspection of wiring	24 months	12 months	6 months	16.4.5
	Busbar, wiring, and terminal connections — electrical tests	36 months	24 months	12 months	11.9.2.3
	Disconnects visual inspection/clean	24 months	12 months	6 months	16.5.3
	Disconnects operation check	24 months	12 months	6 months	16.5.5
	Contactors visual inspection/clean	24 months	12 months	6 months	16.8.2.1 through 16.8.3
	Motor overload relays (thermal) cleaning, calibration, and function tests	36 months	24 months	12 months	16.9.4
	Motor overload relays (electronic) cleaning, calibration, and function tests	36 months	36 months	12 months	16.9.1.3, 16.9.2
	Electrical interlock inspection	24 months	12 months	6 months	16.11.1.2
	Mechanical interlock inspection	24 months	12 months	6 months	16.11.2
Electronic equipment	Inspection	12 months	12 months	6 months	AN
	Cleaning	60 months	36 months	12 months	AN
	Adjustments/calibration	60 months	36 months	12 months	AN

Product	Scope of Work	Equipment Condition Assessment			Reference
		Condition 1	Condition 2	Condition 3	
Rotating equipment	Vibration analysis	12 months	6 months	Continuous	26.7
	Stator and rotor electrical testing	12 months	12 months	6 months	11.2
	Brushes, collector rings, and commutators visual and mechanical inspection	12 months	12 months	6 months	25.4
	Bearings (sleeved) oil level check	1 week	1 week	1 week	25.5
	Bearings (sleeved) drain, flush, and lubricate	12 months	12 months	6 months	AN
	Ball and roller inspection and lubrication	Per manufacturer	Per manufacturer	Per manufacturer	25.5.3
Wiring devices, attachment plugs, cord connector bodies	Inspection	Monthly and when used	Monthly and when used	Monthly and when used	24.2.1 through 24.6
Wiring devices, receptacles	Inspection	Monthly and when used	Monthly and when used	Monthly and when used	24.3.1
	Operation check	Monthly and when used	Monthly and when used	Monthly and when used	24.3.2
Wiring devices, general-use snap switches	Operation check	Monthly and when used	Monthly and when used	Monthly and when used	24.5.2 through 24.5.4
Wiring devices, pin-and-sleeve devices, heavy-duty industrial-type plugs, cord connectors, and receptacles	Inspections, cleaning, and checks	Monthly and when used	Monthly and when used	Monthly and when used	24.8
Portable electric tools	Inspections/cleaning	Monthly and when used	Monthly and when used	Monthly and when used	29.1.3, 29.3.1, 29.3.2
	Lubrication	Per manufacturer	Per manufacturer	Per manufacturer	29.3.3
	Electrical tests	3 months	3 months	3 months	29.7
Low-voltage busway	Visual inspection	12 months	12 months	6 months	20.4.3.2
	Maintenance and testing	60 months	36 months	12 months	20.4.8
Uninterruptible power supplies	Visual inspection	6 months	3 months	1 month	28.3.8
	Routine maintenance	12 months	6 months	3 months	28.3.8
	System tests	36 months	24 months	12 months	28.5
	Battery tests	See scope of work and maintenance	See scope of work and maintenance	See scope of work and maintenance	15.9.4

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>			<u>Reference</u>
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>	
		intervals in row “Batteries and Chargers”	intervals in row “Batteries and Chargers”	intervals in row “Batteries and Chargers”	
	Test run, exercise	1 month	1 month	1 month	28.3-5

AN: As necessary.

Table 9.2.2 Maintenance Intervals

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>		
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
All equipment	Infrared thermography	12 months	12 months	6 months
Battery ESSs	Visual inspection	60 months	36 months	12 months
	Cleaning	60 months	36 months	12 months
	Lubrication		Reserved	
	Mechanical servicing		Reserved	
	Electrical testing	60 months	36 months	12 months
Busways	Visual inspection	60 months	60 months	12 months
	Cleaning	60 months	36 months	12 months
	Lubrication	60 months	36 months	12 months
	Mechanical servicing	60 months	36 months	12 months
	Electrical testing	60 months	36 months	12 months
	Special	60 months	36 months	12 months
Cable trays	Visual inspection	12 months	12 months	6 months
	Cleaning	60 months	36 months	12 months
	Lubrication	60 months	36 months	12 months
	Mechanical servicing	60 months	36 months	12 months
	Electrical testing	60 months	36 months	12 months
Electric vehicle power transfer systems	Visual inspection	60 months	36 months	12 months
	Mechanical inspection	60 months	36 months	12 months
	Electrical testing	60 months	36 months	12 months
Electronic equipment			Reserved	
Fuses	Visual inspection	60 months	36 months	12 months
	Cleaning	60 months	36 months	12 months
	Lubrication	60 months	36 months	12 months
	Mechanical servicing	60 months	36 months	12 months

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>		
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
<u>GFCIs</u>	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>		<u>Reserved</u>	
<u>Grounding and bonding</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>		<u>Reserved</u>	
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>		<u>Reserved</u>	
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>36 months</u>
<u>High-voltage substation insulators</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Corona detection</u>	<u>12 months</u>	<u>6 months</u>	<u>4 months</u>
	<u>Maintenance and testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Lighting</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Lighting control systems</u>			<u>Reserved</u>	
<u>Low-voltage ground-fault protection systems</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Medium-voltage ground-fault protection systems</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Medium-voltage power circuit breakers</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>		
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
<u>Molded-case/insulated-case/low-voltage power circuit breakers</u>	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Motor control equipment</u>	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Panelboards and switchboards</u>	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical inspections</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Photovoltaic systems</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>		<u>Reserved</u>	
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>		<u>Reserved</u>	
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Portable electrical tools and equipment</u>		<u>Before each use</u>	<u>Before each use</u>	<u>Before each use</u>
	<u>Visual inspection</u>			
	<u>Cleaning</u>	<u>Before each use</u>	<u>Before each use</u>	<u>Before each use</u>
		<u>In accordance with the manufacturer's instructions</u>	<u>In accordance with the manufacturer's instructions</u>	<u>In accordance with the manufacturer's instructions</u>
	<u>Lubrication</u>			
		<u>In accordance with the manufacturer's instructions</u>	<u>In accordance with the manufacturer's instructions</u>	<u>In accordance with the manufacturer's instructions</u>
	<u>Mechanical servicing</u>			

<u>Product</u>	<u>Scope of Work</u>	<u>Equipment Condition Assessment</u>		
		<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
<u>Power and distribution transformers</u>	<u>Electrical testing</u>	<u>3 months</u>	<u>3 months</u>	<u>3 months</u>
	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Power cables</u>	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>Reserved</u>	<u>Reserved</u>	
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Power-factor correction capacitors</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Protective relays, electromechanical</u>	<u>Special</u>		<u>Reserved</u>	
	<u>Visual inspection</u>	<u>36 months</u>	<u>24 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>36 months</u>	<u>24 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>36 months</u>	<u>24 months</u>	<u>12 months</u>
<u>Protective relays, solid state and microprocessor</u>	<u>Electrical testing</u>	<u>36 months</u>	<u>24 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Public pools, fountains, and similar installations</u>	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
			<u>Reserved</u>	
<u>Rotating equipment</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>

Equipment Condition Assessment				
<u>Product</u>	<u>Scope of Work</u>	<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
<u>Stationary standby batteries</u>	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>		<u>Reserved</u>	
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Substations</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Special</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical checks</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Switches</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Switchgear</u>	<u>Visual inspection</u>	<u>12 months</u>	<u>12 months</u>	<u>6 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Special</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
<u>Uninterruptible power supplies</u>	<u>Visual inspection</u>	<u>6 months</u>	<u>3 months</u>	<u>1 month</u>
	<u>Cleaning</u>	<u>12 months</u>	<u>6 months</u>	<u>3 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>12 months</u>	<u>6 months</u>	<u>3 months</u>
	<u>Electrical testing</u>	<u>12 months</u>	<u>6 months</u>	<u>3 months</u>
	<u>Special procedures</u>	<u>24 months</u>	<u>24 months</u>	<u>24 months</u>
<u>Wind power electric systems</u>	<u>Visual inspection</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	

<u>Equipment Condition Assessment</u>				
<u>Product</u>	<u>Scope of Work</u>	<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
<u>Wiring devices</u>	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Visual inspection</u>	<u>12 months</u>	<u>3 months</u>	<u>1 month</u>
	<u>Cleaning</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Lubrication</u>		<u>Reserved</u>	
	<u>Mechanical servicing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>
	<u>Electrical testing</u>	<u>60 months</u>	<u>36 months</u>	<u>12 months</u>

A.9.2.2

For more information on risk management, see ISO 31000, *Risk Management — Principles and Guidelines*, and Annex F of NFPA 70E.

9.2.2.1

The intervals in Table 9.2.2 shall only be required if referenced by a specific section in another chapter.

9.2.2.2

The maintenance interval for electrical equipment shall be permitted to be altered based on the potential risk to personnel or facility operations due to a failure of the equipment to operate as expected.

9.2.2.3

Any deviations from the maintenance intervals described in Table 9.2.2 to extend the maintenance interval and the justification for the deviation shall be documented in the EMP.

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 10:20:49 EDT 2022

Committee Statement

Committee Statement: Section 9.2.2 has been revised by adding the word "than" following "greater" for correct sentence structure.

Committee Comment No. 201-NFPA 70B-2022 [Sections 10.1.1, 10.1.2]



Second Correlating Revision No. 6-NFPA 70B-2022 [Section No. 9.3]

10.3 Elimination of Hazardous Atmospheres.

For maintenance involving permanent electrical installations, the following procedures shall be followed:

- (1) ~~Any sources of hazardous~~ Hazardous vapors, dust, or fibers/ flyings shall be removed from the area.
- (2) Enclosed or trapped hazardous vapors shall be cleared.
- (3) Atmosphere shall be tested to confirm it is within safe limits for the required maintenance.

Submitter Information Verification

Committee: EEM-AAA

Submittal Date: Thu Sep 22 10:23:29 EDT 2022

Committee Statement

Committee Statement: The revision adds the "fiber/" before "flying" for correlation with the terms "ignitable fibers/flyings" and "combustible fibers/flyings" used in NFPA 499 and NFPA 70. Fibers could also be a hazard that needs to be removed prior to performing maintenance.

Committee Comment No. 58-NFPA 70B-2022 [Section No. 9.3]