

FOR REFERENCE OF NECA 2023 PHILADELPHIA TRADE SHOW ATTENDEES ONLY

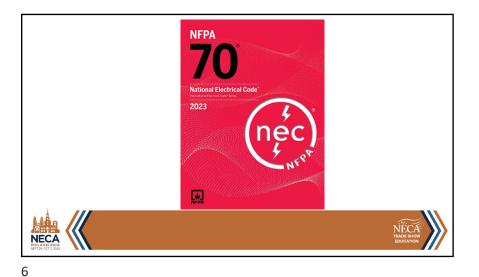
Slide 1	
BW0	[@Gary Walls] What did you say the title is? Brittany Walls, 2023-07-31T19:13:30.088
BW0 0	[@Gary Walls] Everything else is updated Brittany Walls, 2023-07-31T19:13:44.401
BW0 1	[@Gary Walls] That was the last thing I had to update. No it should be all set. Look it over. Do you want me to submit? Brittany Walls, 2023-07-31T19:21:22.398
BW0 2	[@Gary Walls] What is your presentation title? Brittany Walls, 2023-07-31T19:28:39.145
Slide 4	

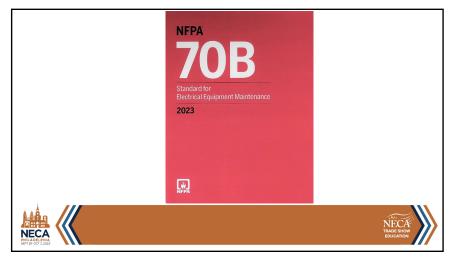
GW0

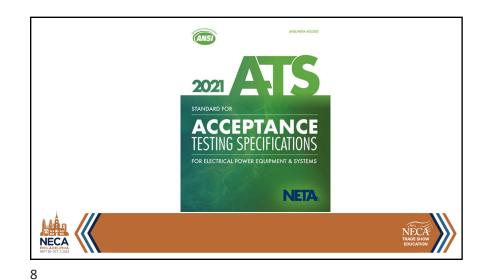
NECA

Gary Walls, 2023-08-01T14:32:45.209



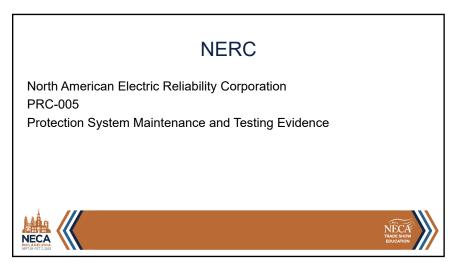


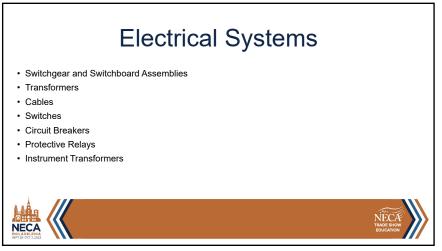


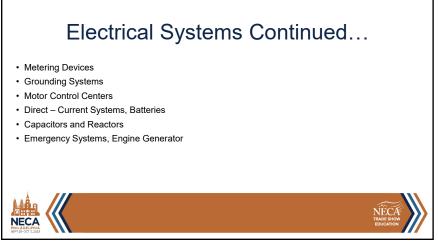


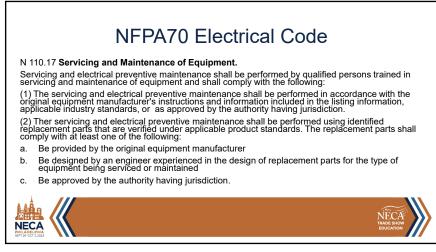
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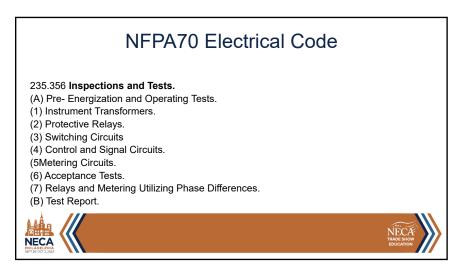


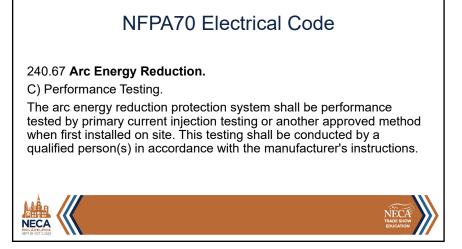


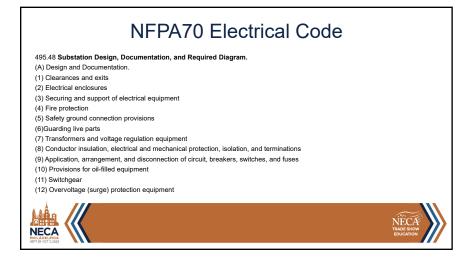


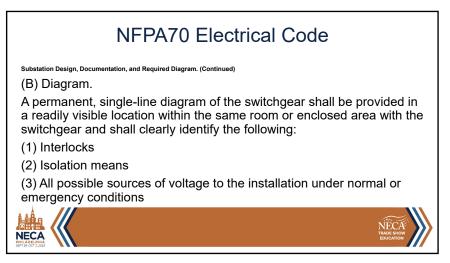












NFPA 70B

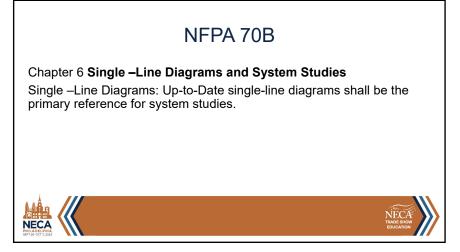
3.3.61 Acceptance Tests.

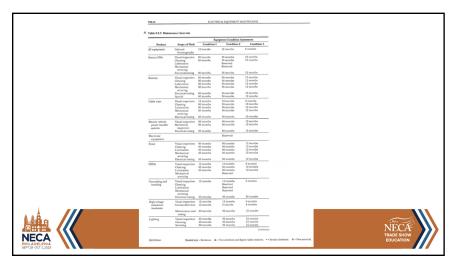
Test that are performed on new equipment prior to energization to determine whether the equipment complies with the purchase and design specifications.

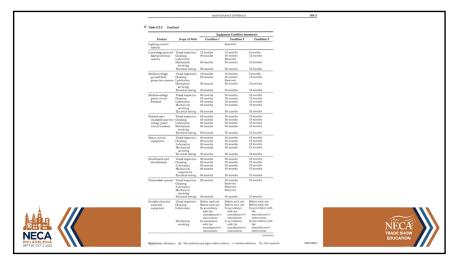
4.2 Electrical Maintenance Program (EMP)

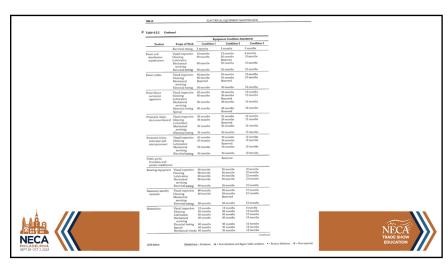
The equipment owner shall implement and document an overall EMP that directs activity appropriate to the safety and operational risks.

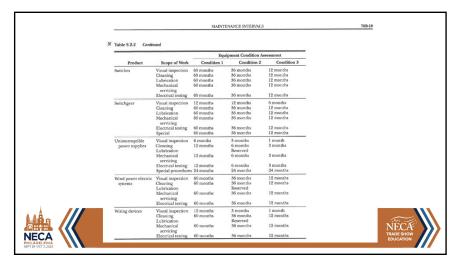
17

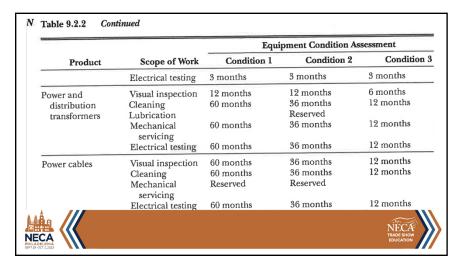


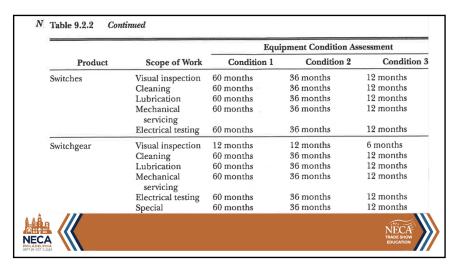






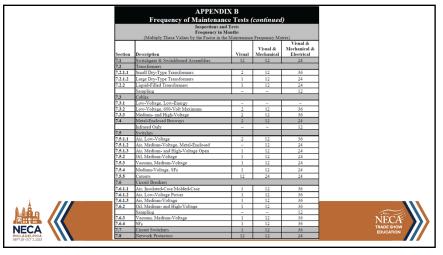


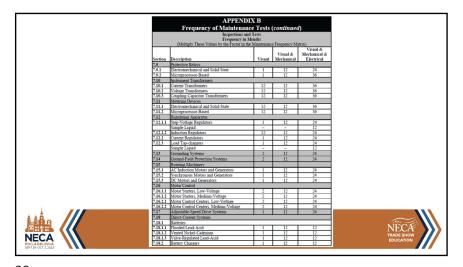




		Fani	ipment Condition As	sessment
Product	Scope of Work	Condition 1	Condition 2	Conditio
luipment	Infrared thermography	12 months	12 months	6 months
Prod All equipme		uipment Infrared	uipment Infrared 12 months	uipment Infrared 12 months 12 months

	MAINT	ENANCE FRE	QUENCY MATRIX		
		EQUIPMENT CONDITION			
		POOR	AVERAGE	GOOD	
ENT	LOW	1.0	2.0	2.5	
UIPME JABIL JIREN	MEDIUM	0.50	1.0	1.5	
EQU REL REQU	HIGH	0.25	0.50	0.75	
NECA PHILADELPHIA SEPT 19-OCT 2, 2023				NECA TRADE SHOW EDUCATION	





	APPENDIX		(t ²		
	Frequency of Maintenance		(continued	4)	
	Inspections and T Frequency in Mo	ests			
	(Multiply These Values by the Factor in the N	ntns faintenana	a Eraomanou M	atrix)	
Section	Description	Visual	Visual & Mechanical	Visual & Mechanical & Electrical	
	Rectifiers	Visuai	12	24	
	Surge Arresters		12	24	
	Low-Voltage Surge Protection Devices	2	12	24	
7.10.2	Medium- and High-Voltage Surge Protection Devices	2	12	24	
	Capacitors and Reactors				
	Capacitors Capacitors	1	12	36	
	Capacitors Capacitor Control Devices	1	12	12	
	Reactors, (Shunt and Current-Limiting) Dry- Type	2	12	36	
7.20.3.2	Reactors, (Shunt and Current-Limiting) Liquid- Filled	1	12	36	
	Sampling	-	-	12	
	Outdoor Bus Structures	1	12	36	
	Emergency Systems				
	Engine Generator	1	2	12	
	Functional Testing	-	-	2	
	Uninterruptible Power Systems	1	12	12	
	Functional Testing	-	-	2	
	Automatic Transfer Switches	1	12	12	
	Functional Testing	-	-	2	
7.23	Communications - Reserved				
7.24	Automatic Circuit Reclosers and Line Sectionalia	ters			
	Automatic Circuit Reclosers, Oil/Vacuum	1	12	24	
	Sample	-	-	12	
	Automatic Line Sectionalizers, Oil	1	12	24	
	Sample	-	-	12	100
9.	Thermographic Survey	-	12	-	NEC
	Electromagnetic Field Survey - As Needed	-	-	-	TRADE SH
11.	Online Partial Discharge Survey for Switchgear	-	-	12	EDUCATION

Frequency Matrix					
Circumstance	One-Line Diagram Update	Short- circuit Study	Coordination Study	Incident Energy Analysis	Load Flow Study
New installation or system modification	Х	X	Х	X	X
Annual data verification	X	X	X	X	X
Change in utility or source	X	X	X	X	X
Change in system impedance, configuration, or loading ¹	X	X		X	
Change in protection devices or settings	X		X	X	X
5 years since last update	X	X		X	

