FORENSIC FIRE ANALYSIS INSTITUTE

FFAI Skill Sheet 10.3 EES © Revised: 10-8-18

NFPA 1033 Standard for Professional Qualifications for Fire Investigator 2014 Edition
NFPA 921 Guide for Fire and Explosion Investigations 2017 Edition

Candidate: _____ **Date:** _____

Reference Source NFPA 1033 2014 Edition 1.3.7 (8,9,15,16), 4.2.2, NFPA 921 2017 Chapter 9

Expected Completion Time: 15 Minutes

TASK: 4.2.8* Inspect the performance of building systems, including detection, suppression, HVAC, **utilities**, and building compartmentation, given standard and special equipment and tools, so that a determination can be made as to the need for expert resources, an operating system's impact on fire growth and spread is considered in identifying origin areas, defeated and/or failed systems are identified, and the system's potential as a fire cause is recognized.

PERFORMANCE OUTCOME: The Fire Investigator shall and shall identify the supplied voltage to a given panel

EQUIPMENT REQUIRED: Appropriate Personal Protective Equipment, common tools and equipment

CONDITIONS: Given a prepared fire scene or skills teaching prop the candidate shall:

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Verbalize confirmation that the system is no longer energized.				
2.	**Identify the voltage supplied to the system as either 120/240V or 277/480V**				
3.	**Demonstrate the use of AWG gauge wheel to correctly identify the size of a conductor**				
4.	**Trace a circuit mechanically or electrically to identify the overcurrent device protecting a given appliance**				
	Total:	**/4**		**/4**	

BOLD=Critical Criteria that must be successfully completed.
Skills must be completed with >75% pass rate. (3/4)

Examiner (Print & Sign)	Date	Candidate	Date
Retest Examiner (Print & Sign)	**Date**	**Candidate**	**Date**