



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 (5,3,15) 4.2.1, 4.2.2, 4.2.3 NFPA 921 2017 Chapter 13, Chapter 6

Expected Completion Time is: 30 Minutes

TASK: 4.2.1 Secure the fire ground, given marking devices, sufficient personnel, and special tools and equipment, so that unauthorized persons can recognize the perimeters of the investigative scene and are kept from restricted areas and all evidence or potential evidence is protected from damage or destruction.

4.2.2 Conduct an exterior survey, given standard equipment and tools, so that evidence is identified and preserved, fire damage is interpreted, hazards are identified to avoid injuries, accessibility to the property is determined, and all potential means of ingress and egress are discovered.

4.2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved, the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

PERFORMANCE OUTCOME: Assess fire ground and structural condition, observe the damage from and effects of the fire, and interpret fire patterns. Ability to assess structural conditions, observe the damage and effects of the fire, discover the impact of fire suppression efforts on fire flow and heat propagation, and evaluate protected areas to determine the presence and/or absence of contents.

EQUIPMENT REQUIRED: Appropriate Personal Protective Equipment, standard equipment. Marking devices and tools

CONDITIONS: Given a prepared fire scene the candidate shall:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify and don the appropriate level of head, eye, hand, and foot PPE				
2.	Identify and secure the perimeters of the investigative scene				
3.	Perform a safety assessment and mitigation plan by completion of a hazard and risk assessment form				
4.	Identify the types of building construction and structural condition of the fire scene				
5.	Identify and mark to protect any evidence found on the exterior of the scene				
6.	Identify all means of egress				
7.	Identify all means of ingress				
8.	Identify and differentiate various types of fire patterns and fire effects present				
9.	Identify and evaluate the effect of contents and fuel loads and their relationship on the fire dynamics and fire patterns present				
10.	Identify the effects of weather, fuel moisture and suppression on fire flow and heat propagation				
11.	Identify the quadrant with the greatest damage considering ventilation by completing a quadrant diagram				
Total:		/11		/11	

BOLD=Critical Criteria that must be successfully completed.

Skills must be completed with >75% pass rate. (9 /11)



FFAI Skill Sheet 2.0 Techniques of Origin Determination © Revised: 10-8-18
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_____ Examiner (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Retest Examiner (Print & Sign)	_____ Date	_____ Candidate	_____ Date