



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 (1,2,3,5,8,9,11,15) 4.2.5, NFPA 921 2017 Edition chapter 6, 18.4.2

**Expected Completion Time is: 30 Minutes**

<b>TASK: 4.2.5-</b> Interpret and analyze fire patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.					
<b>PERFORMANCE OUTCOME:</b> The Fire Investigator shall evaluate, interpret and analyze fire effects/fire patterns and produce a heat and flame vector analysis					
<b>EQUIPMENT REQUIRED:</b> Appropriate Personal Protective Equipment, standard equipment and tools					
<b>CONDITIONS:</b> Given a prepared fire scene the candidate shall:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify fire effects in a fire scene				
2.	Identify fire patterns in a fire scene				
3.	Identify lines of demarcation in the fire scene				
4.	Analyze and identify directional damage to contents and walls for flame and heat movement				
5.	<b>Identify varying degrees of damage along a single material</b>				
6.	Prepare a diagram illustrating walls, doorways, windows, and contents and the respective damage observed to those materials				
7.	Utilize arrows to note the interpretation of the direction of heat or flame spread on a diagram				
8.	Document the effects, fire pattern, and the analysis of this damage that relates to each arrow in a legend				
9.	Identify the area of origin of the fire				
<b>Total:</b>		<b>/9</b>		<b>/9</b>	

***BOLD=Critical Criteria that must be successfully completed.  
 Skills must be completed with >75% pass rate. (7/9)***

<b>Examiner</b> (Print & Sign)	<b>Date</b>	<b>Candidate</b>	<b>Date</b>
<b>Retest Examiner</b> (Print & Sign)	<b>Date</b>	<b>Candidate</b>	<b>Date</b>