



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 18.4.3, 18.4.4

**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 char and/or calcination fire effects/fire patterns					
<b>EQUIPMENT REQUIRED:</b> Appropriate Personal Protective Equipment, standard equipment and tools					
<b>CONDITIONS:</b> Given a prepared fire scene with either char or calcination, the candidate shall:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify char/calcination in the fire scene				
2.	<b>Identify varying degrees of damage along a single material</b>				
3.	<b>Select an appropriate depth measurement tool</b>				
4.	<b>Demonstrate a method to insure consistent measurement spacing on the selected surface</b>				
5.	Perform depth measurements				
6.	<b>Record the measurements in a systematic process on a diagram</b>				
7.	<b>Correctly interpret and record the results on diagram</b>				
	<b>Total:</b>	/7		/7	

***BOLD=Critical Criteria that must be successfully completed.  
 Skills must be completed with >75% pass rate. (6/7)***

<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>