



**FFAI Skill Sheet 5.2 FGS Pressure and Leak Testing © Revised: 10-18-21**

**NFPA 1033 Standard for Professional Qualifications for Fire Investigator 2022 Edition**

**NFPA 921 Guide for Fire and Explosion Investigations 2021 Edition**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Reference Source **NFPA 1033 2022 Edition 4.1.7 (2-a, c, e, 3-a, 4-d), 4.2.8, NFPA 921 2021 Edition Chapter 10**

**Expected Completion Time: 15 Minutes**

<b>TASK: 4.2.8*</b> 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.					
<b>PERFORMANCE OUTCOME:</b> The Fire Investigator shall document the condition of the gas system					
<b>EQUIPMENT REQUIRED:</b> Appropriate Personal Protective Equipment, common tools and equipment					
<b>CONDITIONS:</b> Given a prepared fire scene or skills teaching prop the candidate shall:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	<b>Verbalize confirmation that the system is no longer charged with fuel gas.</b>				
2.	While observing a regulator flow test, the candidate shall confirm and document:				
	Lock off pressure				
	Flow pressure				
	Set pressure				
	Return the system to previous condition				
	<b>Total:</b>	/6		/6	

***BOLD=Critical Criteria that must be successfully completed.***

***Skills must be completed with >75% pass rate. (5/6)***

<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>