

Fire Investigator Skill Stations

NFPA 1033 - Chapter 4 (2014 Edition)

Station A	Investigation Report	Mandatory Station
Station B	Scene Examination	Mandatory Station
Station C	Evidence Collection / Preservation	Mandatory Station
Station D	Investigation Presentation	Mandatory Station



STATION A: Investigation Report		Reference NFPA 1033 (2014 Edition) Chapter 4 Mandatory Station: JPRs 4.1.2, 4.2.1, 4.7.1, 4.2.4, 4.2.5, 4.3, 4.3.2, 4.3.3, 4.5, 4.5.1, 4.5.2, 4.5.3, 4.6.1, 4.6.2, 4.6.4, 4.6.5		
Test Site	Test Date	Candidate #	Check the Test Type Initial Retest	

Directions: Prepare a written report, employing all elements of the scientific method (JPR 4.1.2) and utilize investigative findings, documentation, and a specific audience so that the report accurately reflects the investigative findings. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **15 of 15** tasks being correctly performed.

No.	Tasks	Yes	No
	Written Report Process (JPRs 4.1.2, 4.3.3)		
	a. Describes how and when initial findings were provided to the Fire Investigator		
1	b. Constructs investigative notes		
	c. Applies data reduction, note taking, observational and correlating skills		
	Secures the Area (JPR 4.2.1)		
2	Establishes/Describes how the fire scene perimeter is established		
	(Mandatory Yes to Pass)		
3	Describes what method(s)/process was used to control access to the scene		
	(perimeter's entrance and exit) (Mandatory Yes to Pass)		
4	Indicates how unauthorized persons are excluded from the scene		
-	(inside the perimeter / scene) using marking devices		
	Interviews Individuals (JPR 4.5 4.5.1, 4.5.2, 4.5.3, 4.6.4)		
5	Documents interviews of property occupant(s) and owner(s)		
6	Documents interviews of first responders on the incident		
7	Documents interviews of bystanders as appropriate		
	Locates Origin (JPR 4.2.4)		
8	Describes common indicators for fire origin (common clues to an origin)		
9	Identifies and explains the importance of "V" patterns		
10	Identifies areas of deepest char / greatest damage		
	Identifies Cause (JPR 4.6.5, 4.6.4)		
11	Describes common causes of fire		
12	Identifies possible causative item(s) for the incident/scenario.		
12	(Mandatory Yes to Pass)		
13	Estimates financial loss		
	Completes Reports (JPRs 4.3, 4.3.1, 4.3.2, 4.3.3, 4.6.1, 4.6.2, 4.7.1)		
14	Documentation includes sketches, photographs and diagrams		
	a. Reports are typed (readable), complete, & grammatically correct		
	b. Constructs investigative notes so that it represents accurate documentation of		
15	scene findings		
	c. Relationship between notes, diagrams, photo's reduced scene information used		
	for data reduction into a concise report		
	Please indicate skill outcome	PASS	FAIL



Evaluator Comments:	
Evaluator Signature:	



STATION B: Scene Examination		Reference NFPA 1033 (2014 Edition) Chapter 4 Mandatory Station: JPRs 4.1.3, 4.1.4, 4.2 (4.2.1-4.2.9), 4.3, 4.3.1, 4.3.2, 4.6.2, 4.6.3, 4.6.4, 4.6.5		
Test Site	Test Date	Candidate #	Check the Test TypeInitialRetest	

Evaluator Note: If a task (i.e. explosions) is not applicable, please note N/A the in comments, then calculate PASS based on the remaining applicable "Yes" marks.

Directions: Evaluate a fire scene to determine the area or point of origin, source of ignition, materials ignited, act/activity that brought the ignition source and materials together and to assess the subsequent progression, extinguishment and containment of the fire. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **11 of 11** tasks being correctly performed.

No.	Tasks	Yes	No
	Secure the Fire Ground (JPRs 4.1.3, 4.1.4, 4.2.1)		
1	a. Use of marking device(s)b. Site Safety Inspection performedc. Maintain necessary liaison with other interested professionals/entities		
	Conduct Exterior Survey (JPR 4.2.2)		
2	a. Ability to assess fire ground structural conditionb. Interpret fire patternsc. Observe fire damage and effects of fired. weather at the time of incident		
	Conduct Interior Survey (JPR 4.2.3)		
3	a. Ability to assess structural conditionsb. Observe damage and effects for firec. Discover impact of Fire suppression efforts, fire flow, fuel moisture, heat propagationd. Evaluate protected areas presence and/or absence of contents.		
	Interpret and Analyze Fire Patterns (JPRs 4.2.4, 4.2.5)		
4	 a. Interpret effects of burning characteristics on different types of materials b. Interpret variations of fire patterns on different materials (heat release rate, form, ignitibility c. Distinguish impact of different types of fuel loads, evaluate fuel trails 		
	Examine and Remove Fire Debris (JPR 4.2.6)		
5	a. Employ search techniques discovery of fire cause evidence and ignition sources b. Utilized proper tools/equipment during debris search		
	Reconstruct Area of Origin (JPR 4.2.7)		
6	 a. Protected areas and fire patterns are identified b. Correlation to contents or structural remains, potentially critical to cause c. Return to pre-fire location d. Area(s) or point(s) of origin is discovered 		



	Inspect Building Systems (detection, suppression, HVAC, utilities and building compartmentation) (JPR 4.2.8)		
	a. Determine system operations effect on fire		
7	b. Identify alterations and/or failure indicators		
	c. Evaluate impact of suppression efforts on building systems		
	Discriminate effects of explosions from other types of damage (JPR 4.2.9)		
	(if applicable)		
	c. Identify explosive effects on glass, walls, foundations, and other building materials		
8	d. Distinguish low and high order explosion effects		
	e. Analyze damage to document blast zone and origin		
	Documents the Scene (JPRs 4.3, 4.3.1, 4.3.2, 4.6.2)		
	a. Diagram the scene		
	b. Ability to sketch the scene using basic drafting skills, evidence recognition, and		
9	observation skills		
	c. Photographically documents the scene		
	d. Ability to use high resolution camera flash and accessories		
	Analytical and assimilation skills (JPRs 4.6.4, 4.6.5, 4.6.2)		
10	Formulate an opinion / determine motive		
11	Reports are typed (readable), complete, & grammatically correct		
	Please indicate skill outcome	PASS	FAIL
Eva	lluator Comments:		
Eva	lluator Signature: Evaluator #		



STATION C: Evidence Collection/Preservation		Reference NFPA 1033 (2014 Edition) Chapter 4 Mandatory Station: JPRs 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.4, 4.4.5, 4.6.1, 4.2.1		
Test Site	Test Date	Candidate #	Check the Test TypeInitialRetest	

Evaluator Note: If a task (i.e. chain of custody) is not applicable, please note N/A the in comments, then calculate PASS based on the remaining applicable "Yes" marks.

Directions: Evaluate a fire scene, utilize proper physical and legal procedures to identify, document, collect and preserve evidence required within the investigation. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
	Manage Victim(s)/Fatalities (JPR 4.4.1)		
1	a. All evidence is discovered and/or preserved		
1	b. Ability to apply appropriate protocol procedure(s)		
	Locate (JPR 4.4.2)		
	a. Ability to recognize difference types of evidence		
2	b. Impact of removing evidentiary items		
4	c. Packaging techniques and materials		
	d. Verbalizes issues relating to spoliation		
	Select evidence for analysis (JPR 4.4.3)		
	a. Support specific investigation needs		
3	b. Determine forensic, engineering or laboratory needs		
	c. Verbalizes purposes for analysis and limitations of analysis		
	Maintain Chain of Custody (JPRs 4.4.4, 4.6.1) (if applicable)		
	a. Execute chain of custody procedures		
4	b. Accurately completes necessary documents		
	c. Methods of recording the chain of custody		
	Dispose of Evidence (JPR 4.4.5) (if applicable)		
	a. Timely		
5	b. Safely Conducted		
J	c. Compliant with jurisdictional/AHJ requirements		
	d. Documented		
	Evidence Collection/Preservation (JPR 4.4) (if applicable)		
6	Utilizes proper physical and legal procedures to identify, document, collect,		
U	and preserve evidence required.		
	Please indicate skill outcome	PASS	FAIL
Eva	luator Comments:		
Eva	luator Signature: Evaluator #		



STATION D: Investigation Presentation		Reference NFPA 1033 (2014 Edition) Chapter 4 Mandatory Station: JPRs 4.7.2, 4.7.3	
Test Site	Test Date	Candidate #	Check the Test Type
			InitialRetest

Directions: Candidate will present investigative findings of assigned scenario so that pertinent investigative information and evidence are presented clearly and accurately. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **9** of **9** tasks being correctly performed.

No.	Tasks	Yes	No
1	Determines accepted delivery procedures/practices for subject matter audience		
2	Pertinent investigative information: types of investigative findings		
3	Differentiate fact from opinion		
4	Type of legal proceedings		
5	Impact of releasing information		
6	Demonstrates familiarity with and competency in the subject matter presented		
7	Maintained professional demeanor a. avoids distracting mannerisms b. uses appropriate gestures		
8	Presentation completed within specified time frame (i.e., 20 minutes)		
9	Utilizes proper physical and legal procedures to identify, document, collect and preserve evidence required.		
Eva	aluator Comments:		