

# **FIRE INVESTIGATOR SKILLS MANUAL**

## **CHAPTER FIVE**

**NFPA 1033 2009 Edition**

**Effective June 1, 2011**



**Texas Commission on Fire Protection**  
P.O. Box 2286 Austin, Texas 78768-2286 (512) 936-3838

## ***INSTRUCTION SHEET***

### ***FIRE INVESTIGATOR PERFORMANCE SKILLS***

#### **Format**

Each skill contains its own skill sheet and is evaluated independently and are based on the JPRs in National Fire Protection Association (NFPA) 1033, *Standard for Professional Qualifications for Fire Investigator*, 2009 edition.

For skill sheets that do not contain time constraints, the Course Instructor should specify time constraints as necessary.

#### **Scoring Method**

The scoring method is satisfactory (S) or unsatisfactory (U) for each step of the skill objective, and a Pass or Fail for each individual skill section. In order to successfully pass an individual skill section, the Fire Investigator candidate must receive satisfactory scores in all the steps of the skill objective. In order to receive an overall Pass on the skill sheet, the Fire Investigator candidate must receive a passing score for all individual skill sections.

Any unsatisfactory or individual skill failure shall require the examiner to explain the reason for the failure in written form in the comments section of the skill sheet.

#### **Preparation and Equipment**

For optimal learning, scenario based training and role-playing is recommended; however, based on departmental needs certain activities may be simulated by other means.

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 1**  
Securing the Fire Ground

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.1**

**Fire Investigator**

**OBJECTIVE**

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.

**Requisite Knowledge.** Fire ground hazards, types of evidence, and the importance of fire scene security, evidence preservation, and issues relating to spoliation.

**Requisite Skills.** Use of marking devices.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall secure the general area of fire origin to protect evidence and restrict access.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)  
Scene restrictive and evidence marking devices

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921, Chapters 14, 16, 21, 23, 25, 26  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 1</b>				
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. (1033-4.2.1)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Located general area of fire origin				
b) Marked items of potential evidence				
c) Verbally described the importance of fire scene security				
d) Placed scene restriction marking devices around the origin area and/or potential evidence items				
e) Verbally described evidence preservation				
f) Verbally described issues relating to spoliation				
g) Prevented unauthorized entry				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 2**  
Conducting an Exterior Survey

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.2**

**Fire Investigator**

**OBJECTIVE**

Conduct an exterior survey, given standard equipment and tools, so that evidence is 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.

**Requisite Knowledge.** The types of building construction and the effects of fire on construction materials, types of evidence commonly found in the perimeter, evidence preservation methods, the effects of fire suppression, fire behavior and spread, fire patterns, and a basic awareness of the dangers of hazardous materials.

**Requisite Skills:** Assess fire ground and structural condition, observe the damage from and effects of the fire, and interpret fire patterns.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate, while keeping safety in mind, shall conduct a 360-degree exterior survey of the scene. The Investigator candidate shall identify entry/exit points, items of potential evidence, and post fire indicators.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)  
Note pad  
Camera

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*  
IFSTA, *Fire Inspection and Code Enforcement*, 7<sup>th</sup> Edition

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 2</b>				
Conduct an exterior survey, given standard equipment and tools, so that evidence is 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. (1033-4.2.2)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Secured the fire ground				
b) Verbally described the building construction and condition				
c) Conducted an exterior 360-degree survey around the fire scene				
d) Documented observations of the effects of fire suppression				
e) Documented observations of the effects of fire on fire behavior and spread, evidence preservation methods and fire patterns				
f) Marked entry/exit points				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____ Certifying Examiner	_____ Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____ Re-Test Certifying Examiner	_____ Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 3**  
Conducting an Interior Survey

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.3**

**Fire Investigator**

**OBJECTIVE**

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.

**Requisite Knowledge.** The types of building construction and interior finish and the effects of fire on those materials, the effects of fire suppression, fire behavior and spread, evidence preservation methods, fire patterns, effects of building contents on fire growth, the relationship of building contents to the overall investigation, weather conditions at the time of the fire, and fuel moisture.

**Requisite Skills:** 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.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate, while keeping safety in mind, shall conduct a 360-degree interior survey of the fire scene. The Investigator candidate shall identify entry/exit points, items of potential evidence, and post fire indicators.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)  
Note pad  
Standard equipment and tools  
Safety equipment (hard hat, boots and gloves as a minimum)  
Camera

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**EFFECTIVE JANUARY 1, 2011**  
**REVISED FEBRUARY 11, 2013**

**SKILL 3**  
**PAGE 2**

**FIRE INVESTIGATOR**

Reprinted with permission from NFPA 1033, *Professional Qualifications for Fire Investigator*, Copyright ©2009, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the National Fire Protection Association on the referenced subject which is represented only by the standard in its entirety.

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 3</b>				
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. (1033-4.2.3)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Verbally described the structural condition and interior finish				
b) Conducted a 360-degree interior survey of the fire scene				
c) Documented observations of the effects of fire suppression				
d) Documented observations of the effects of fire on fire behavior and spread, evidence preservation methods and fire patterns				
e) Marked entry/exit points				
f) Evaluated protected areas to determine the presence and/or absence of contents				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 4**  
Interpret Fire Patterns in a vehicle

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.4**

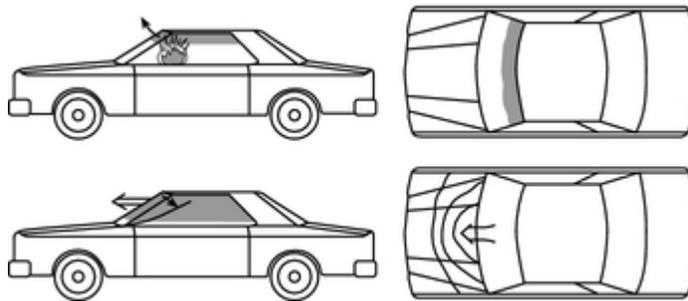
**Fire Investigator**

**OBJECTIVE**

Interpret fire patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

**Requisite Knowledge:** Fire dynamics, fire development, and the interrelationship of heat release rate, form, and ignitibility of materials.

**Requisite Skills:** Interpret the effects of burning characteristics on different types of materials.



**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall observe a vehicle fire scene and interpret fire patterns, given standard equipment and tools and a vehicle, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)  
Note pad  
Standard equipment and tools  
Vehicle

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921 Chapter 5.8  
Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 5**  
Interpret and Analyze Fire Patterns

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.4, 4.2.5**

**Fire Investigator**

**OBJECTIVE**

Interpret fire patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved. (4.2.4)

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. (4.2.5)

**Requisite Knowledge:**

Fire dynamics, fire development, and the interrelationship of heat release rate, form, and ignitibility of materials. (4.2.4)

Fire behavior and spread based on fire chemistry, fire dynamics, and physics, fire suppression effects, building construction. (4.2.5)

**Requisite Skills:**

Interpret the effects of burning characteristics on different types of materials. (4.2.4)

Interpret variations of fire patterns on different materials with consideration given to heat release rate, form, and ignitibility; distinguish impact of different types of fuel loads; evaluate fuel trails; and analyze and synthesize information. (4.2.5)

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall observe a fire scene and 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. Also, each individual pattern is evaluated with respect to the burning characteristics of the material involved.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)

Note pad

Camera

Needed equipment, tools and safety gear such as hard hat, boots and gloves

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 5</b>				
Interpret fire patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved. (1033-4.2.4)				
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. (1033-4.2.5)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Interpreted and analyzed fire patterns on different materials with consideration given to heat release rate, form and ignitability				
b) Verbally distinguished impact of different types of fuel loads				
c) Evaluated and documented fuel trails				
d) Documented the analyzed and synthesized information				
e) Interpreted and documented signs of fire development and fire dynamics				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	
_____	_____	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 6**  
Examining and Removing Fire Debris

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.6, 4.2.9**

**Fire Investigator**

**OBJECTIVE**

Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, potential ignition source(s) is identified, and evidence is preserved without investigator-inflicted damage or contamination. (4.2.6)

Discriminate the effects of explosions from other types of damage, given standard equipment and tools, so that an explosion is identified and its evidence is preserved. (4.2.9)

**Requisite Knowledge:**

Basic understanding of ignition processes, characteristics of ignition sources, and ease of ignition of fuels; debris-layering techniques; use of tools and equipment during the debris search; types of fire cause evidence commonly found in various degrees of damage; and evidence-gathering methods and documentation.(4.2.6)

Different types of explosions and their causes, characteristics of an explosion, and the difference between low- and high-order explosions. (4.2.9)

**Requisite Skills:**

Employ search techniques that further the discovery of fire cause evidence and ignition sources, use search techniques that incorporate documentation, and collect and preserve evidence. (4.2.6)

Identify explosive effects on glass, walls, foundations, and other building materials; distinguish between low- and high-order explosion effects; and analyze damage to document the blast zone and origin. (4.2.9)

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall, in protective clothing, examine and remove fire debris from a scene. The Investigator candidate shall check all of the debris and the surrounding area for fire cause evidence, including evidence of an explosion. The Investigator candidate shall identify the ignition source(s), determine the cause of the fire, and preserve all evidence properly.

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing. Evidence of an explosion must be included so that the candidate's ability to discriminate the effects of an explosion, identify the explosion, and preserve the evidence of the explosion can all be evaluated. Evidence of an explosion might actually be in the debris or surrounding materials at a scene, or it could be photographic evidence presented from a case file.

**PREPARATION & EQUIPMENT**

Fire scene with evidence of an explosion (actual or simulated)

Tools

Evidence collection containers

Protective clothing (boots, gloves, hardhat, as a minimum)

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 6</b>				
Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, potential ignition source(s) is identified, and evidence is preserved without investigator-inflicted damage or contamination. (1033-4.2.6)				
Discriminate the effects of explosions from other types of damage, given standard equipment and tools, so that an explosion is identified and its evidence is preserved. (1033-4.2.9)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Used search techniques that incorporated documentation				
b) Properly examined and removed fire debris				
c) Checked all debris for fire cause evidence				
d) Located and identified the ignition source				
e) Determined the fire cause				
f) Collected and preserved evidence without damage or contamination				
g) Identified and documented explosive effects on glass, walls, foundations, and other building materials				
h) Distinguished and documented between low- and high-order explosion effects				
i) Analyzed damage to document the blast zone and origin				

**Examiner/Candidate Comments:**

---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Re-Test Certifying Examiner

\_\_\_\_\_  
 Date

Overall Skill Sheet Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 7**  
Reconstructing the Area of Origin

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.7**

**Fire Investigator**

**OBJECTIVE**

Reconstruct the area of origin, given standard and, if needed, special equipment and tools as well as sufficient personnel, so that all protected areas and fire patterns are identified and correlated to contents or structural remains, items potentially critical to cause determination and photo documentation are returned to their prefire location, and the area(s) or point(s) of origin is discovered.

**Requisite Knowledge:** The effects of fire on different types of material and the importance and uses of reconstruction.

**Requisite Skills:** Examine all materials to determine the effects of fire, identify and distinguish among different types of fire-damaged contents, and return materials to their original position using protected areas and fire patterns.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall identify protected areas, locate and replace items moved during fire suppression activities to their pre-fire location, and indicate on a photo log what photos should be taken to document reconstruction.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated), tools  
Burned items  
Photo log  
Protective clothing (boots, gloves, hardhat, as a minimum)  
Personnel (if needed)

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 7</b>				
Reconstruct the area of origin, given standard and, if needed, special equipment and tools as well as sufficient personnel, so that all protected areas and fire patterns are identified and correlated to contents or structural remains, items potentially critical to cause determination and photo documentation are returned to their prefire location, and the area(s) or point(s) of origin is discovered. (1033-4.2.7)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Examined all materials to determine the effects of fire				
b) Identified and distinguished among different types of fire-damaged contents				
c) Returned materials to their original position using protected areas and fire patterns				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Scene Examination Skill Number 8**  
Inspecting the Performance of Building Systems

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.8**

**Fire Investigator**

**OBJECTIVE**

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.

**Requisite Knowledge:** Different types of detection, suppression, HVAC, utility, and building compartmentation such as fire walls and fire doors; types of expert resources for building systems; the impact of fire on various systems; common methods used to defeat a system's functional capability; and types of failures.

**Requisite Skills:** Determine the system's operation and its effect on the fire; identify alterations to, and failure indicators of, building systems; and evaluate the impact of suppression efforts on building systems.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall perform a post-fire inspection of a scene and indicate on a floor plan the location and condition of each of the following: detection systems, HVAC, utilities, and suppression systems. The Investigator candidate shall identify which expert resources, if any, would be needed to confirm that any of the systems were found defective or defeated.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION AND EQUIPMENT**

Fire scene (actual and simulated)

Floor plan

Building systems

Needed equipment, tools, safety equipment such as hard hat, boots and gloves

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**FIRE INVESTIGATOR**

**SKILL 8**  
**PAGE 1**

**EFFECTIVE JANUARY 1, 2011**

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 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. (1033-4.2.8)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Identified and inspected exterior utilities				
b) Located and inspected detection systems				
c) Located and inspected HVAC systems				
d) Located and inspected suppression systems				
e) Reported which, if any, expert resources would be needed				
f) Reported which, if any and how systems inspected were defective or defeated				
g) Documented the building systems effect on the fire and fire suppression efforts on building systems				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Documenting the Scene Skill Number 10**  
Photographically Documenting the Scene

**PERFORMANCE STANDARD**

**NFPA 1033 4.3.2**

**Fire Investigator**

**OBJECTIVE**

Photographically document the scene, given standard tools and equipment, so that the scene is accurately depicted and the photographs support scene findings.

**Requisite Knowledge:** Working knowledge of high-resolution camera and flash, the types of film, media, and flash available, and the strengths and limitations of each.

**Requisite Skills:** Ability to use a high-resolution camera, flash, and accessories.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall photograph an interior scene and provide a photo log and rough sketch of the photo(s) taken.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Fire scene (actual or simulated)  
Camera, flash, and accessories  
Note pad  
Measuring devices  
Photo log  
Safety equipment (hard hat, boots and gloves as a minimum)

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 10</b>				
Photographically document the scene, given standard tools and equipment, so that the scene is accurately depicted and the photographs support scene findings. (1033-4.3.2)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Photographed exterior survey				
b) Photographed interior survey				
c) Documented photos taken on a photo rough sketch and photo log				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Documenting the Scene Skill Number 11**  
Constructing Investigative Notes

**PERFORMANCE STANDARD**

**NFPA 1033 4.3.3**

**Fire Investigator**

**OBJECTIVE**

Construct investigative notes, given a fire scene, available documents (e.g. prefire plans and inspection reports), and interview information, so that the notes are accurate, provide further documentation of the scene, and represent complete documentation of the scene findings.

**Requisite Knowledge:** Relationship between notes, diagrams, and photos, how to reduce scene information into concise notes, and the use of notes during report writing and legal proceedings.

**Requisite Skills:** Data-reduction skills, note-taking skills, and observational and correlating skills.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall review investigation documents, identify any conflicting information, and identify other information that may be needed to document scene findings.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

An investigation file including:

Interviews

Photos

Suppression report

Conflicting information

Any available pre-fire information

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 11</b>				
Construct investigative notes, given a fire scene, available documents (e.g. prefire plans and inspection reports), and interview information, so that the notes are accurate, provide further documentation of the scene, and represent complete documentation of the scene findings. (1033-4.3.3)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Reviewed file documents for completeness and accuracy of findings				
b) Identified conflicting information				
c) Determined and/or recommended needed follow-up information to corroborate or dispute investigative findings				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

# TEXAS COMMISSION ON FIRE PROTECTION

## Fire Investigator Performance Standards

### Documenting the Scene Skill Number 9 Diagramming the Scene

#### PERFORMANCE STANDARD

NFPA 1033 4.3.1

Fire Investigator

#### OBJECTIVE

Diagram the scene, given standard tools and equipment, so that the scene is accurately represented and evidence, pertinent contents, significant patterns, and area(s) or point(s) of origin are identified

**Requisite Knowledge:** Commonly used symbols and legends that clarify the diagram, types of evidence and patterns that need to be documented, and formats for diagramming the scene.

**Requisite Skills:** Ability to sketch the scene, basic drafting skills, and evidence recognition and observational skills.

#### INSTRUCTIONS - procedures for achieving the objective

The Investigator candidate shall diagram (rough sketch) the fire scene. Diagram shall include at least one item of evidence, one item of pertinent contents, one significant fire pattern, and one area of point of origin.

#### EXAMINER NOTE

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

#### PREPARATION & EQUIPMENT

Safe and secure fire scene

Note pad

Measuring devices

An assistant if requested

Safety equipment (hard hat, boots and gloves as a minimum)

#### REFERENCE

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 9</b>				
Diagram the scene, given standard tools and equipment, so that the scene is accurately represented and evidence, pertinent contents, significant patterns, and area(s) or point(s) of origin are identified. (1033-4.3.1)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
Diagrammed the fire scene to include each of the following:				
1) Relative locations, dimensions, rooms, stairs, doors and windows				
2) At least one item of evidence with location dimensions indicated				
3) At least one item of pertinent contents with location and dimensions indicated				
4) At least one fire pattern with location identified				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

# TEXAS COMMISSION ON FIRE PROTECTION

## Fire Investigator

### Performance Standards

#### Evidence Collection/Preservation

##### Skill Number 12

#### Utilizing Proper Procedures for Managing Victims and Fatalities

### PERFORMANCE STANDARD

**NFPA 1033 4.4.1, 4.4.2, 4.4.3**

**Fire Investigator**

#### OBJECTIVE

Utilize proper procedures for managing victims and fatalities, given a protocol and appropriate personnel, so that all evidence is discovered and preserved and the protocol procedures are followed. (4.4.1)

Locate, collect, and package evidence, given standard or special tools and equipment and evidence collection materials, so that evidence is identified, preserved, collected, and packaged to avoid contamination and investigator-inflicted damage and the chain of custody is established. (4.4.2)

Select evidence for analysis given all information from the investigation, so that items for analysis support specific investigation needs. (4.4.3)

#### Requisite Knowledge:

Types of evidence associated with fire victims and fatalities and evidence preservation methods. (4.4.1)

Types of evidence, authority requirements, impact of removing evidentiary items on civil or criminal proceedings (exclusionary or fire-cause supportive evidence), types, capabilities, and limitations of standard and special tools used to locate evidence, types of laboratory tests available, packaging techniques and materials, and impact of evidence collection on the investigation. (4.4.2)

Purposes for submitting items for analysis, types of analytical services available, and capabilities and limitations of the services performing the analysis. (4.4.3)

#### Requisite Skills:

Observational skills and the ability to apply protocols to given situations. (4.4.1)

Ability to recognize different types of evidence and determine whether evidence is critical to the investigation. (4.4.2)

Evaluate the fire incident to determine forensic, engineering, or laboratory needs. (4.4.3)

### INSTRUCTIONS - procedures for achieving the objective

FIRE INVESTIGATOR

SKILL 12  
PAGE 1

EFFECTIVE JANUARY 1, 2011

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

The Investigator candidate shall follow procedures to manage victims **AND** fatalities and to discover and preserve **ALL** evidence. The Investigator candidate shall then collect and package two different types of identified evidence, fill out a standard crime lab analysis request form indicating specific test(s) requested, while maintaining chain of custody and avoiding contamination.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Several types of evidence  
A standard crime lab analysis request form  
Needed evidence collection supplies  
Note pad  
Camera  
Simulated victim or fatality

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Evidence Collection/Preservation**  
**Skill Number 13**  
Maintaining a Chain of Custody

**PERFORMANCE STANDARD**

**NFPA 1033 4.4.4**

**Fire Investigator**

**OBJECTIVE**

Maintain a chain of custody, given standard investigative tools; marking tools, and evidence tags or logs, so that written documentation exists for each piece of evidence and evidence is secured.

**Requisite Knowledge:** Rules of custody and transfer procedures, types of evidence (e.g., physical evidence obtained at the scene, photos, and documents), and methods of recording the chain of custody.

**Requisite Skills:** Ability to execute the chain of custody procedures and accurately complete necessary documents.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall mark, package, and log two items of evidence.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Equipment  
Forms  
Tags  
Two items of evidence

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 13</b>				
Maintain a chain of custody, given standard investigative tools, marking tools, and evidence tags or logs, so that written documentation exists for each piece of evidence and evidence is secured. (1033-4.4.4)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Located and selected evidence items				
b) Marked and/or tagged and packaged two pieces of evidence				
c) Maintained chain of custody by correctly utilizing logs and/or forms during the transfer of evidence				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Re-Test Certifying Examiner

\_\_\_\_\_  
 Date

Overall Skill Sheet Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Evidence Collection/Preservation**  
**Skill Number 14**  
Disposing of Evidence

**PERFORMANCE STANDARD**

**NFPA 1033 4.4.5**

**Fire Investigator**

**OBJECTIVE**

Dispose of evidence, given jurisdictional or agency regulations and file information, so that the disposal is timely, safely conducted, and in compliance with jurisdictional or agency requirements.

**Requisite Knowledge.** Disposal services available and common disposal procedures and problems.

**Requisite Skills.** Documentation skills.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall dispose of evidence in a timely and safe manner and document the disposal of evidence.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Incident information  
Model evidence policy  
Evidence  
Evidence disposal forms

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 14</b>				
Dispose of evidence, given jurisdictional or agency regulations and file information, so that the disposal is timely, safely conducted, and in compliance with jurisdictional or agency requirements. (1033-4.4.5)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Identified evidence subject to disposal				
b) Disposed of evidence according to the model evidence policy				
c) Documented disposal of the evidence using the provided forms				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	
_____	_____	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

# TEXAS COMMISSION ON FIRE PROTECTION

## Fire Investigator Performance Standards

### Interview Skill Number 15 Developing an Interview Plan

#### PERFORMANCE STANDARD

NFPA 1033 4.5.1

Fire Investigator

#### OBJECTIVE

Develop an interview plan, given no special tools or equipment, so that the plan reflects a strategy to further determine the fire cause and affix responsibility and includes a relevant questioning strategy for each individual to be interviewed that promotes the efficient use of the investigator's time.

**Requisite Knowledge:** Persons who can provide information that furthers the fire cause determination or the affixing of responsibility, types of questions that are pertinent and efficient to ask of different information sources (first responders, neighbors, witnesses, suspects, and so forth), and pros and cons of interviews versus document gathering.

**Requisite Skills:** Planning skills, development of focused questions for specific individuals, and evaluation of existing file data to help develop questions and fill investigative gaps.

#### INSTRUCTIONS - procedures for achieving the objective

The Investigator candidate shall develop two interview plans that assist in fire cause and suspect determination.

#### EXAMINERS NOTE

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

#### PREPARATION & EQUIPMENT

Incident information  
Witness statements  
Notepad

#### REFERENCE

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 15</b>				
Develop an interview plan, given no special tools or equipment, so that the plan reflects a strategy to further determine the fire cause and affix responsibility and includes a relevant questioning strategy for each individual to be interviewed that promotes the efficient use of the investigator's time. (1033-4.5.1)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Reviewed provided information and requested additional information if needed				
b) Developed an interview plan strategy for two different persons of interest				
c) Documented the two interview strategies by listing relevant questions				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

# TEXAS COMMISSION ON FIRE PROTECTION

## Fire Investigator Performance Standards

### Interview Skill Number 16 Conducting Interviews

#### PERFORMANCE STANDARD

NFPA 1033 4.5.2

Fire Investigator

#### OBJECTIVE

Conduct interviews, given incident information, so that pertinent information is obtained, follow-up questions are asked, responses to all questions are elicited, and the response to each question is documented accurately.

**Requisite Knowledge:** Types of interviews, personal information needed for proper documentation or follow-up, documenting methods and tools, and types of nonverbal communications and their meaning.

**Requisite Skills:** Adjust interviewing strategies based on deductive reasoning, interpret verbal and nonverbal communications, apply legal requirements applicable, and exhibit strong listening skills.

#### INSTRUCTIONS - procedures for achieving the objective

The Investigator candidate shall conduct a witness interview. During the interview, the witness shall become a suspect. The Investigator candidate shall change questioning techniques and conduct an interrogation.

#### EXAMINERS NOTE:

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

#### PREPARATION & EQUIPMENT

Interview room setting  
Incident information  
Witness statement  
Forms  
Note pad

#### REFERENCE

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Interview Skill Number 17**  
Evaluating Interview Information

**PERFORMANCE STANDARD**

**NFPA 1033 4.5.3**

**Fire Investigator**

**OBJECTIVE**

Evaluate interview information, given interview transcripts or notes and incident data, so that all interview data is individually analyzed and correlated with all other interviews, corroborative and conflictive information is documented, and new leads are developed.

**Requisite Knowledge:** Types of interviews, report evaluation methods, and data correlation methods.

**Requisite Skills:** Data correlation skills and the ability to evaluate source information (e.g., first responders and other witnesses).

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall evaluate, analyze, and correlate interview information to determine if the information is corroborative or conflictive in nature, and develop new investigative leads.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Incident information  
Interview transcripts  
Note pad

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 17</b>				
Evaluate interview information, given interview transcripts or notes and incident data, so that all interview data is individually analyzed and correlated with all other interviews, corroborative and conflictive information is documented, and new leads are developed. (1033-4.5.3)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Reviewed provided information				
b) Correlated information into corroborative or conflicting groups				
c) Documented new investigative leads				
d) Listed follow-up names and contact numbers				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Re-Test Certifying Examiner

\_\_\_\_\_  
 Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Post-Incident Investigation Skill Number 18**  
Gathering Reports and Records

**PERFORMANCE STANDARD**

**NFPA 1033 4.6.1**

**Fire Investigator**

**OBJECTIVE**

Gather reports and records, given no special tools, equipment, or materials, so that all gathered documents are applicable to the investigation, complete, and authentic; the chain of custody is maintained; and the material is admissible in a legal proceeding.

**Requisite Knowledge:** Types of reports needed that facilitate determining responsibility for the fire (e.g., police reports, fire reports, insurance policies, financial records, deeds, private investigator reports, outside photos, and videos) and location of these reports.

**Requisite Skills:** Identify the reports and documents necessary for the investigation; implement the chain of custody, and organizational skills.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall gather reports/records given no special tools or equipment, or materials, so that all gathered documents are appropriate to the investigation, complete and authentic, and the chain of custody is maintained.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Several different sources of reports and records

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 18</b>				
Gather reports and records, given no special tools, equipment, or materials, so that all gathered documents are applicable to the investigation, complete, and authentic; the chain of custody is maintained; and the material is admissible in a legal proceeding. (1033-4.6.1)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Reviewed provided materials				
b) Requested and documented request for needed materials				
c) Selected documentation acceptable to the courts				
d) Documented steps to maintain chain of custody of requested documents				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____ Certifying Examiner	_____ Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____ Re-Test Certifying Examiner	_____ Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Post-Incident Investigation Skill Number 19**  
Evaluating the Investigative File

**PERFORMANCE STANDARD**

**NFPA 1033 4.6.2**

**Fire Investigator**

**OBJECTIVE**

Evaluate the investigative file, given all available file information, so that areas for further investigation are identified, the relationship between gathered documents and information is interpreted, and corroborative evidence and information discrepancies are discovered.

**Requisite Knowledge:** File assessment and/or evaluation methods, including accurate documentation practices, and requisite investigative elements.

**Requisite Skills:** Information assessment, correlation, and organizational skills

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall evaluate the investigative file, given all available file information, so that areas for further investigation are identified. Information shall be assessed, correlated and organized.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigative files  
Expert witness backgrounds  
Competencies  
Fee schedules

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 19</b>				
Evaluate the investigative file, given all available file information, so that areas for further investigation are identified, the relationship between gathered documents and information is interpreted, and corroborative evidence and information discrepancies are discovered. (1033-4.6.2)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Assessed information				
b) Correlated information				
c) Organized information				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	
		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	
		Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Post-Incident Investigation Skill Number 20**  
Coordinating Expert Resources

**PERFORMANCE STANDARD**

**NFPA 1033 4.6.3**

**Fire Investigator**

**OBJECTIVE**

Coordinate expert resources, given the investigative file, reports, and documents, so that the expert's competencies are matched to the specific investigation needs, financial expenditures are justified, and utilization clearly furthers the investigative goals of determining cause or affixing responsibility.

**Requisite Knowledge:** How to assess one's own expertise, qualification to be called for expert testimony, types of expert resources (e.g., forensic, CPA, polygraph, financial, human behavior disorders, and engineering), and methods to identify expert resources.

**Requisite Skills:** Apply expert resources to further the investigation by networking with other investigators to identify experts, questioning experts relative to their qualifications, and developing a utilization plan for use of expert resources.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall coordinate expert resources, given the investigative file, reports, and documents so that the expert's competencies are matched to the specific investigation needs, financial expenditures are justified, and demonstrate that use of the expert clearly furthers the investigations goals.

**EXAMINER NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigative file  
Reports and documents

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 20</b>				
Coordinate expert resources, given the investigative file, reports, and documents, so that the expert's competencies are matched to the specific investigation needs, financial expenditures are justified, and utilization clearly furthers the investigative goals of determining cause or affixing responsibility. (1033-4.6.3)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Documented need for specific experts				
b) Networked with other investigators to identify experts				
c) Developed questions to determine the qualifications of experts				
d) Justified costs for each expert witness selected				
e) Documented how the selected expert witnesses will assist in the determination of causation or affixing responsibility				
f) Developed a utilization plan for the use of expert resources				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Post-Incident Investigation Skill Number 21**  
Establishing Evidence as to Motive and/or Opportunity-Incendiary Fire

**PERFORMANCE STANDARD**

**NFPA 1033 4.6.4**

**Fire Investigator**

**OBJECTIVE**

Establish evidence as to motive and/or opportunity, given an incendiary fire, so that the evidence is supported by documentation and meets the evidentiary requirements of the jurisdiction.

**Requisite Knowledge:** Types of motives common to incendiary fires, methods used to discover opportunity, and human behavioral patterns relative to fire-setting.

**Requisite Skills:** Financial analysis, records gathering and analysis, interviewing, and interpreting fire scene information and evidence for relationship to motive and/or opportunity.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall establish motive and/or opportunity of an incendiary fire through the use of prudent and complete investigation files, determining if the evidence meets legal requirements.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

A complete incendiary fire investigation file  
Evidence log

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Post-Incident Investigation Skill Number 22**  
Formulating an Opinion of the Person(s) and/or Product(s)  
Responsible for the Fire

**PERFORMANCE STANDARD**

**NFPA 1033 4.6.5**

**Fire Investigator**

**OBJECTIVE**

Formulate an opinion concerning origin, cause, or responsibility for the fire, given all investigative findings, so that the opinion regarding origin, cause, or responsibility for a fire is supported by the data, facts, records, reports, documents, and evidence.

**Requisite Knowledge:** Analytical methods and procedures (e.g., hypothesis development and testing, systems analysis, time lines, link analysis, fault tree analysis, and data reduction matrixing).

**Requisite Skills:** Analytical and assimilation skills.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall formulate an opinion of the person(s) and/or product(s) responsible for the fire.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

A complete fire investigation file including records, documents and evidence

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 22</b>				
Formulate an opinion concerning origin, cause, or responsibility for the fire, given all investigative findings, so that the opinion regarding origin, cause, or responsibility for a fire is supported by the data, facts, records, reports, documents, and evidence. (1033 -4.6.5)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Formulated, supported and documented an opinion as to the person and/or product responsible for the fire				
b) The opinion regarding origin, cause, or responsibility for a fire is supported by the data, facts, records, reports, documents, and evidence				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Presentations-Skill Number 23**  
Preparing a Written Investigation Report

**PERFORMANCE STANDARD**

**NFPA 1033 4.7.1**

**Fire Investigator**

**OBJECTIVE**

Prepare a written report, given investigative findings, documentation, and a specific audience, so that the report accurately reflects the investigative findings, is concise, expresses the investigator's opinion, contains facts and data that the investigator relies on in rendering an opinion, contains the reasoning of the investigator by which each opinion was reached, and meets the needs or requirements of the intended audience(s).

**Requisite Knowledge:** Elements of writing, typical components of a written report, and types of audiences and their respective needs or requirements.

**Requisite Skills:** Writing skills, ability to analyze information and determine the reader's needs or requirements.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall write an initial investigation report, including an opinion as to the cause of the fire.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigation findings

Documentation

An identified audience

Forms

Note pad

Authorization from the prosecutor to include the candidate's opinion in the report

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Presentations-Skill Number 24**  
Verbally Expressing Investigative Findings

**PERFORMANCE STANDARD**

**NFPA 1033 4.7.2**

**Fire Investigator**

**OBJECTIVE**

Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

**Requisite Knowledge:** Types of investigative findings, the informational needs of various types of audiences, and the impact of releasing information.

**Requisite Skills:** Communication skills and ability to determine audience needs and correlate findings.

**INSTRUCTIONS - procedures for achieving the objective**

The Investigator candidate shall review and verbally present an investigation report without error to a selected audience.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigation report findings

Notes

An identified audience (i.e., prosecutor)

**REFERENCE**

TCFP Curriculum Manual, Chapter 5

NFPA 921

Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 24</b>				
Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience. (1033-4.7.2)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Identified the audience's needs				
b) Verbally presented the report information and correlated findings				
c) Answered follow-up questions from the audience				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as "Satisfactory" to pass the skill.**

_____ Certifying Examiner	_____ Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____ Re-Test Certifying Examiner	_____ Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Presentations-Skill Number 25**  
Testifying During Legal Proceedings

**PERFORMANCE STANDARD**

**NFPA 1033 4.7.3**

**Fire Investigator**

**OBJECTIVE**

Testify during legal proceedings, given investigative findings, contents of reports, and consultation with legal counsel, so that all pertinent investigative information and evidence is presented clearly and accurately and the investigator's demeanor and attire are appropriate to the proceedings.

**Requisite Knowledge:** Types of investigative findings, types of legal proceedings, professional demeanor requirements, and an understanding of due process and legal proceedings.

**Requisite Skills:** Communication and listening skills and ability to differentiate facts from opinion and determine accepted procedures, practices, and etiquette during legal proceedings.

**INSTRUCTIONS - procedures for achieving the objective**

Investigator candidate shall testify and be cross-examined in a mock courtroom.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigative findings  
30 minutes to review information  
Consultation with prosecution legal counsel

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*



**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
Performance Standards

**Presentations-Skill Number 26**  
Conducting Public Informational Presentations

**PERFORMANCE STANDARD**

**NFPA 1033 4.7.4**

**Fire Investigator**

**OBJECTIVE**

Conduct public informational presentations, given relative data, so that information is accurate, appropriate to the audience, and clearly supports the information needs of the audience.

**Requisite Knowledge:** Types of data available regarding the fire loss problem and the issues about which the community must know.

**Requisite Skills:** Ability to assemble, organize, and present information

**INSTRUCTIONS - procedures for achieving the objective**

Given relative information, the Investigator candidate shall prepare a public informational presentation to be conducted within a 5-minute time limit.

**EXAMINERS NOTE**

The Investigator candidate will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Investigation report  
Information on the type of audience  
5-minute time frame

**REFERENCE**

TCFP Curriculum Manual, Chapter 5  
NFPA 921  
Delmar, *Fire Investigation*

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Fire Investigator**  
 Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Training Provider: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Skill Number 26</b>				
Conduct public informational presentations, given relative data, so that information is accurate, appropriate to the audience, and clearly supports the information needs of the audience. (1033-4.7.4)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Conducted presentation within a five-minute time limit				
b) Showed ability to assemble, organize, and present information				
c) Answered questions from the audience appropriately				

**Examiner/Candidate Comments:**

---



---

**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner                      Date

\_\_\_\_\_  
 Re-Test Certifying Examiner                      Date

Overall Skill Sheet Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**TEXAS COMMISSION ON FIRE PROTECTION**  
**FIRE INVESTIGATOR**  
Performance Standards

**Scene Examination SKILL #27**  
DOT Emergency Response Guidebook

**PERFORMANCE STANDARD**

**NFPA 1033 4.2.2**

**Fire Investigator**

**OBJECTIVE**

Given the identity of various hazardous materials (name, UN/NA identification number, or type of placard), identify the following response information:

- a. Emergency action (fire, spill, or leak and first aid)
- b. Personal protective equipment necessary
- c. Initial isolation and protective action distances

**INSTRUCTIONS - procedures for achieving the objective**

I will provide you with the most current edition of the DOT Emergency Response Guidebook. I will give you a scenario involving an identified hazardous material. The hazardous material will be identified by one of the following: the name of the hazardous material, the identification number of the hazardous material, or by showing you a type of placard. You will verbalize to me the necessary response information for the given scenario. The name of the hazardous material or identification number will be listed in the current edition of the DOT Emergency Response Guidebook. You will begin on my instruction. The skill will end when you state to me that you have completed all of the identified steps. You will have four minutes to complete this skill. Do you understand these instructions?

**EXAMINERS NOTE**

The firefighter examinee will not be allowed to review the performance steps at the time of testing. The examiner will choose **two** of the **three** choices on the skills sheet for the examinee to verbally identify.

**PREPARATION & EQUIPMENT**

DOT Emergency Response Guidebook

Various placards

A scenario involving identified hazardous materials

**TEXAS COMMISSION ON FIRE PROTECTION**  
**FIRE INVESTIGATOR**  
 Performance Standards

**SKILL #27**  
 DOT Emergency Response Guidebook

Trainee: \_\_\_\_\_ Notes: \_\_\_\_\_

Dept: \_\_\_\_\_

School: \_\_\_\_\_

Test Site: \_\_\_\_\_

Evaluator: \_\_\_\_\_

<b>Allotted Time for this skill: 4 minutes</b>		<u>TEST</u>	
		PASS	FAIL
<b>Total points possible: <u>4</u>; Total points needed to pass: <u>3</u></b>			
<b>The firefighter examinee will:</b>		<b><u>POINTS AVAILABLE</u></b>	
1) * use the correct guide number			
2) <b><i>verbally</i></b> identify the proper emergency action for the type of incident (fire, spill or leak, and first aid) for the given hazardous material; <b><i>AND / OR</i></b>		<u>1</u>	
<b><i>verbally</i></b> identify the proper protective equipment necessary for the given hazardous material; <b><i>AND / OR</i></b>		<u>1</u>	
<b><i>verbally</i></b> identify the initial isolation and protective action distance for the identified hazardous material		<u>1</u>	
3) provide complete response information based on given scenario		<u>1</u>	
4) complete in 4 minutes or less (stop examinee after 8 minutes if not completed)		<u>1</u>	
<b>* Absolute; unsatisfactory completion of this step requires retesting of the entire skill.</b>			

**Total points scored by this candidate:** \_\_\_\_\_ **Time:** \_\_\_\_\_ **Minutes,** \_\_\_\_\_ **Seconds**

All mandatory steps successfully passed: Yes [ ] No [ ]

First Attempt [ ] Retest [ ]

## Fire Investigator Skills Equipment List

- Fire scene prop
  - Structure
  - Video
  - Power point
  - Slides
- Six items of potential evidence
- Protective clothing
  - Boots
  - Gloves
  - Hard Hat
  - Safety glasses
  - SCBA (if IDLH atmosphere)
- Standard tools
  - Shovel
  - Broom
  - Flashlight
- Evidence collection containers
- Evidence tags or labels
- Chain of evidence forms
- Evidence disposal forms
- Witness statements
- Standard crime lab analysis form
- Floor plan map
- Pre fire plans
- Inspection reports
- Fire report (TEXFIRS)
- Fire scene tape
- Measuring device
- Pencil/pen
- Note pad
- Photo Log
- Camera with flash
  - 35mm
  - Digital
  - Film
- Interview room setting
- Additional personnel if needed

## Investigator Skills

Discipline	Objective	No.	Skill Name	Functional Name	NFPA 1033 #
Investigator	Scene Exam	1	Skill Number 1	Securing the Fire Ground	4.2.1
Investigator	Scene Exam	2	Skill Number 2	Conducting an Exterior Survey	4.2.2
Investigator	Scene Exam	3	Skill Number 3	Conducting an Interior Survey	4.2.3
Investigator	Scene Exam	4	Skill Number 4	Interpret Fire Patterns in a Vehicle	4.2.4
Investigator	Scene Exam	5	Skill Number 5	Interpret and Analyze Fire Patterns	4.2.5
Investigator	Scene Exam	6	Skill Number 6	Examining and Removing Fire Debris	4.2.6, 4.2.9
Investigator	Scene Exam	7	Skill Number 7	Reconstructing the Area of Origin	4.2.7
Investigator	Scene Exam	8	Skill Number 8	Inspecting the Performance of Building Systems	4.2.8
Investigator	Document Scene	9	Skill Number 9	Diagramming the Scene	4.3.1
Investigator	Document Scene	10	Skill Number 10	Photographically Documenting the Scene	4.3.2
Investigator	Document Scene	11	Skill Number 11	Constructing Investigative Notes	4.3.3
Investigator	Evidence	12	Skill Number 12	Utilizing Proper Procedures for Managing Victims and Fatalities	4.4.1, 4.4.2, 4.4.3
Investigator	Evidence	13	Skill Number 13	Maintaining a Chain of Custody	4.4.4
Investigator	Evidence	14	Skill Number 14	Disposing of Evidence	4.4.5
Investigator	Interview	15	Skill Number 15	Developing an Interview Plan	4.5.1
Investigator	Interview	16	Skill Number 16	Conducting Interviews	4.5.2
Investigator	Interview	17	Skill Number 17	Evaluating Interview Information	4.5.3
Investigator	Post-Incident	18	Skill Number 18	Gathering Reports and Records	4.6.1
Investigator	Post-Incident	19	Skill Number 19	Evaluating the Investigative File	4.6.2
Investigator	Post-Incident	20	Skill Number 20	Coordinating Expert Resources	4.6.3
Investigator	Post-Incident	21	Skill Number 21	Establish Evidence as to Motive and/or Opportunity-Incendiary Fire	4.6.4
Investigator	Post-Incident	22	Skill Number 22	Formulating an Opinion of the Person(s) and/or Product(s) Responsible for the Fire	4.6.5
Investigator	Presentation	23	Skill Number 23	Preparing a Written Investigation Report	4.7.1
Investigator	Presentation	24	Skill Number 24	Verbally Expressing Investigative Findings	4.7.2
Investigator	Presentation	25	Skill Number 25	Testifying During Legal Proceedings	4.7.3
Investigator	Presentation	26	Skill Number 26	Conducting Public Informational Presentations	4.7.4
Investigator	Scene Exam	27	Skill Number 27	DOT Emergency Response Guidebook	4.2.2