

FIRE DEPARTMENT SAFETY OFFICER: INCIDENT SAFETY OFFICER

PRACTICAL SKILLS MATERIALS

Based on *NFPA 1521: Standard for Fire Department Safety
Officer Professional Qualifications*, 2020 Edition.



ALABAMA FIRE COLLEGE

JANUARY, 2022
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<p>Fire Department Safety Officer: Incident Safety Officer</p> <p>Grading Rubric</p> <p>Reference source: NFPA 1521, <i>Standard for Fire Department Safety Officer Professional Qualifications</i>, 2020 Edition,</p> <p>Project completion must be the original work of the individual. Submissions are required in Microsoft Office or Adobe PDF format. The Projects are developed to meet the intent of the standard and prepare the individual to function as a FDSO: Incident Safety Officer. The Project work is evaluated by an evaluator not involved with the instruction of the course.</p>

Project 1 Criteria - Create an Incident Safety Officer Checklist - NFPA 1521- 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.9, 5.2.10, 5.2.13, 5.2.14, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.6	Points Possible
Checklist is created	2
Directions are followed	2
Proper format with correct spelling and grammar	2
Sources are referenced or cited	2
The information is in a presentable format for fire department official review	2
Total Points Possible	10

Project 2 Criteria - Serve as the Incident Safety Officer at a Building/Structural Fire - NFPA 1521- 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.9, 5.2.10, 5.2.13, 5.2.14, 5.2.15, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.6	Points Possible
Operates within the incident command system (ICS). The Incident Action Plan, incident priorities, goals, and objectives are being communicated	1
A risk benefit analysis is performed. Operations with imminent threats posed to firefighter safety are stopped, altered, or suspended and communicated to the IC	1
Accountability system is established, monitored, and any deficiencies communicated	1
Medical surveillance and rehabilitation are established and being utilized	1
On scene resource capability is evaluated and communicated. The need for an assistant ISO is evaluated and addressed	1
PPE is evaluated for the given hazard	1
Radio transmissions are monitored, and any missed communications are addressed	1
RIC is established and capability is continually evaluated	1
Safety briefings with IC are conducted routinely face to face when possible	1
The duration of the incident is anticipated. Weather is monitored and work cycle durations are established and communicated	1
Access and egress are evaluated. Collapse zones are evaluated and communicated to IC, tactical level managers, and RIC	1
Hazardous energy, flashover, smoke, and hostile fire event potential are evaluated and communicated to IC, tactical level managers, and RIC	1
Contamination reduction is determined and performed as needed	1
Total Points Possible	13

Project 3 Criteria - Serve as Incident Safety Officer at a Wildland Fire NFPA 1521 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.9, 5.2.10, 5.2.13, 5.2.14, 5.3.5	Points Possible
Operates within the incident command system (ICS). The Incident Action Plan, incident priorities, goals, and objectives are being communicated	1
A risk benefit analysis is performed. Operations with imminent threats posed to firefighter safety are stopped, altered, or suspended and communicated to the IC	1
Accountability system is established, monitored, and any deficiencies communicated	1
Medical surveillance and rehabilitation are established and being utilized	1
On scene resource capability is evaluated and communicated. The need for an assistant ISO is evaluated and addressed	1
PPE is evaluated for the given hazard	1
Radio transmissions are monitored, and any missed communications are addressed	1
RIC is established and capability is continually evaluated	1
Safety briefings with IC are conducted routinely face to face when possible	1
The duration of the incident is anticipated. Weather is monitored and work cycle durations are established and communicated	1
Fire growth and blow up are determined and communicated to IC and tactical level managers	1
Fuel, topography, flame length, and weather effects are determined and communicated to IC and tactical level managers	1
Total Points Possible	12

Project 4 Criteria - Serve as an Incident Safety Officer at a Hazardous Materials Incident - NFPA 1521 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.9, 5.2.10, 5.2.13, 5.2.14, 5.5.1, 5.5.2, 5.5.3, 5.5.4	Points Possible
Operates within the incident command system (ICS). The Incident Action Plan, incident priorities, goals, and objectives are being communicated	1
A risk benefit analysis is performed. Operations with imminent threats posed to firefighter safety are stopped, altered, or suspended and communicated to the IC	1
Accountability system is established, monitored, and any deficiencies communicated	1
Medical surveillance and rehabilitation are established and being utilized	1
On scene resource capability is evaluated and communicated. The need for an assistant ISO is evaluated and addressed	1
PPE is evaluated for the given hazard	1
Radio transmissions are monitored, and any missed communications are addressed	1
RIC is established and capability is continually evaluated	1
Safety briefings with IC are conducted routinely face to face when possible	1
The duration of the incident is anticipated. Weather is monitored and work cycle durations are established and communicated	1
Emergency and technical decontamination procedures are addressed	1
IC is advised to establish, modify, and communicate hazardous materials incident control zones as needed	1
The need for air monitoring is determined and addressed as needed	1
Total Points Possible	13

Project 5 Criteria - Serve as the Incident Safety Officer at a Motor Vehicle Accident involving Air Transport - NFPA 1521 5.2.8, 5.2.10, 5.2.11	Points Possible
Operates within the incident command system (ICS). The Incident Action Plan, incident priorities, goals, and objectives are being communicated	1
A risk benefit analysis is performed. Operations with imminent threats posed to firefighter safety are stopped, altered, or suspended and communicated to the IC	1
Accountability system is established, monitored, and any deficiencies communicated	1
Medical surveillance and rehabilitation are established and being utilized	1
On scene resource capability is evaluated and communicated. The need for an assistant ISO is evaluated and addressed	1
PPE is evaluated for the given hazard (high-visibility fluorescent and retro-reflective material visible from all directions)	1
Radio transmissions are monitored, and any missed communications are addressed	1
RIC is established and capability is continually evaluated	1
Safety briefings with IC are conducted routinely face to face when possible	1
The duration of the incident is anticipated. Weather is monitored and work cycle durations are established and communicated	1
Apparatus and warning devices are placed to protect fire fighters from traffic and take advantage of topography and weather conditions (uphill / upwind). The first arriving unit controls traffic before addressing the emergency operations	1
Hazards associated with the interface with the helicopter and landing zone are determined	1
Total Points Possible	12

Project 6 Criteria - Serve as an Incident Safety Officer at a Technical Rescue Incident - NFPA 1521 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.9, 5.2.10, 5.2.13, 5.2.14, 5.4.1, 5.4.2, 5.4.3	Points Possible
Operates within the incident command system (ICS). The Incident Action Plan, incident priorities, goals, and objectives are being communicated	1
A risk benefit analysis is performed. Operations with imminent threats posed to firefighter safety are stopped, altered, or suspended and communicated to the IC	1
Accountability system is established, monitored, and any deficiencies communicated	1
Medical surveillance and rehabilitation are established and being utilized	1
On scene resource capability is evaluated and communicated. The need for an assistant ISO is evaluated and addressed	1
PPE is evaluated for the given hazard	1
Radio transmissions are monitored, and any missed communications are addressed	1
RIC is established and capability is continually evaluated	1
Safety briefings with IC are conducted routinely face to face when possible	1
The duration of the incident is anticipated. Weather is monitored and work cycle durations are established and communicated	1
The need for air monitoring is determined and addressed as needed	1
Total Points Possible	11

Project 7 Criteria - Terminate Your Role as Incident Safety Officer and Conduct a Post Incident Analysis - NFPA 1521 5.2.3, 5.2.12, 5.7.1, 5.7.2	Points Possible
ISO Transfer	
Incident information is exchanged	1
Reports and plans for the subsequent operational period are completed	1
Continuity of authority and situational awareness are maintained	1
Changes in incident or planned event complexity are accounted for	1
The new ISO is briefed on the incident	1
The new ISO is identified	1
Critical Incident Stress Debriefing	
Members' psychological health and safety are addressed and protected	5
Post Incident Analysis addresses the following	
Safety and health issues	1
Best safety practices	1
Deviations from established procedures	1
Recommendations for future events are documented	1
Directions are followed	1
Proper format with correct spelling and grammar	1
Sources are referenced or cited	1
The information is in a presentable format for fire department official review	1
Total Points Possible	19

Project 8 Criteria - Conducting an Accident Investigation - NFPA 1521 5.6.1	Points Possible
Applicable department procedures are identified for review	2
Critical incident data elements are collected	1
Gathered information is documented and prepared for the Health and Safety Officer to continue the investigation	1
Potential witnesses are identified	1
The chain of evidence is started and maintained	1
Directions are followed	1
Proper format with correct spelling and grammar	1
Sources are referenced or cited	1
The information is in a presentable format for fire department official review	1
Total Points Possible	10

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