

Florida Bureau of Fire Standards and Training Safety Officer Content Outline

NFPA 1521

HEALTH AND SAFETY OFFICER

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| <p>I. General (NFPA 4.1) (1%)</p> <ul style="list-style-type: none">A. A fire department HSO shall recuse himself/herself from any investigatory process where a conflict of interest exists. (NFPA 4.1.2) <p>II. Risk Management (NFPA 4.2) (8%)</p> <ul style="list-style-type: none">A. Develop an organizational risk management plan that addresses the risks specified in Chapter 4 of NFPA 1500 (NFPA 4.2.1)B. Manage an organizational risk management plan (NFPA 4.2.2)C. Implement safety provisions of the organization's risk management plan into training and education programs (NFPA 4.2.3)D. Develop an operational risk management plan given the requirements of Chapter 8 of NFPA 1500 (NFPA 4.2.4)E. Develop a plan for the treatment and transport of an injured or ill member to a medical or health care facility (NFPA 4.2.5) <p>III. Laws, Codes, and Standards (NFPA 4.3) (3%)</p> <ul style="list-style-type: none">A. Establish SOP/Gs for an occupational health and safety program (NFPA 4.3.1)B. Assess and report the adequacy and effectiveness of compliance with occupational health and safety SOP/Gs (NFPA 4.3.2) | <p>IV. Training and Education (NFPA 4.4) (4%)</p> <ul style="list-style-type: none">A. Develop and distribute health and safety information for the education of fire department members (NFPA 4.4.1)B. Implement the training and education of fire department members on the organization's health and safety procedures and NFPA 1500 (NFPA 4.4.2)C. Develop a safety procedure for live fire training exercises (NFPA 4.4.3) <p>V. Accident Prevention (NFPA 4.5)..... (5%)</p> <ul style="list-style-type: none">A. Manage a fire department accident prevention program (NFPA 4.5.1)B. Implement training for safe work practices on emergency and nonemergency operations (NFPA 4.5.2)C. Develop an emergency vehicle safety program (NFPA 4.5.3)D. Conduct a periodic safety audit (NFPA 4.5.4) <p>VI. Accident Investigation, Procedures, and Review (NFPA 4.6) (4%)</p> <ul style="list-style-type: none">A. Conduct a safety and health investigation (NFPA 4.6.1)B. Develop a policy for reporting accident and injury investigations (NFPA 4.6.2)C. Establish procedures for a health and safety component of a post-incident analysis (NFPA 4.6.3)D. Coordinate the development of a corrective action plan (NFPA 4.6.4) |
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VII. Records Management and Data Analysis (NFPA 4.7)..... (5%)

- A. Manage the collection and analysis of data related to accidents, occupational deaths, injuries, illnesses, and exposures to infectious agents and communicable diseases **(NFPA 4.7.1)**
- B. Verify records are maintained regarding the periodic inspection and service testing of fire apparatus and equipment, inspection and service testing of protective clothing and protective equipment, and fire department facilities **(NFPA 4.7.2)**
- C. Maintain records of corrective actions taken to mitigate health and safety hazards or unsafe practices **(NFPA 4.7.3)**
- D. Develop a report on fire department accidents, occupational injuries, illnesses, deaths, and exposures **(NFPA 4.7.4)**

VIII. Apparatus and Equipment (NFPA 4.8)..... (6%)

- A. Recommend safety-related specifications for fire apparatus and fire equipment **(NFPA 4.8.1)**
- B. Recommend safety-related specifications for protective clothing and protective equipment **(NFPA 4.8.2)**
- C. Verify performance testing of fire apparatus and fire equipment is being conducted **(NFPA 4.8.3)**
- D. Verify the development of an annual evaluation plan for the organization's in-service fire and emergency vehicles, given the organization's emergency vehicles and current NFPA minimum vehicle safety standards, so that a plan to retire, refurbish, or replace them based on the requirements in NFPA 1911 **(NFPA 4.8.4)**

- E. Verify the development of an annual evaluation plan for the organization's in-service fire and emergency vehicles, given the organization's emergency vehicles and current NFPA minimum vehicle safety standards, so that a plan to retire, refurbish, or replace them based on the recommendations in Annex D NFPA 1901 **(NFPA 4.8.5)**
- F. Verify the development, implementation, and maintenance of a protective clothing and protective equipment program that provides for the selection, care, maintenance, storage, and periodic inspection and evaluation of all protective clothing and equipment **(NFPA 4.8.6)**

IX. Facility Inspection (NFPA 4.9) (3%)

- A. Develop a health and safety facility inspection SOP/G, process, and checklist for a fire department facility **(NFPA 4.9.1)**
- B. Conduct a health and safety inspection for a fire department facility **(NFPA 4.9.2)**

X. Health Maintenance (NFPA 4.10) (3%)

- A. Analyze the fire department health maintenance program **(NFPA 4.10.1)**
- B. Coordinate the fire department health maintenance program **(NFPA 4.10.2)**

XI. Liaison (NFPA 4.11) (5%)

- A. Communicate recommendations from the fire department occupational health and safety committee to the appropriate person(s) **(NFPA 4.11.1)**
- B. Provide information and assistance to personnel for surveying their districts regarding potential health and safety hazards **(NFPA 4.11.2)**
- C. Develop recommendations for changes in equipment, procedures, and methods based on results of evaluations **(NFPA 4.11.3)**

- D. Verify medical advice and treatment are available to members of the fire department **(NFPA 4.11.4)**
- E. Provide information and assistance regarding risks that may impact operations **(NFPA 4.11.5)**

XII. Infection Control (NFPA 4.12) (3%)

- A. Assess the fire department's infection control program **(NFPA 4.12.1)**
- B. Function as the fire department infection control officer, if an infection control officer position does not exist in the fire department **(NFPA 4.12.2)**

INCIDENT SAFETY OFFICER

XIII. General (NFPA 5.1) (1%)

- A. A fire department ISO shall recuse himself/herself from any investigatory process where a conflict of interest exists **(NFPA (5.1.2))**

XIV. General Requirements (NFPA 5.2) (21%)

- A. Perform the role of ISO within an incident command system (ICS) at an incident or planned event **(NFPA 5.2.1)**
- B. Monitor the IAP, conditions, activities, and operations **(NFPA 5.2.2)**
- C. Manage the transfer of ISO duties **(NFPA 5.2.3)**
- D. Stop, alter, or suspend operations based on imminent threats posed to fire fighter safety **(NFPA 5.2.4)**
- E. Monitor and determine the incident scene conditions **(NFPA 5.2.5)**
- F. Monitor the accountability system **(NFPA 5.2.6)**
- G. Determine hazardous incident conditions and advise the IC to establish or modify control zones **(NFPA 5.2.7)**
- H. Identify motor vehicle incident scene hazards **(NFPA 5.2.8)**
- I. Monitor radio transmissions **(NFPA 5.2.9)**

- J. Identify the incident strategic requirements (e.g., fire, technical rescue, hazmat), the corresponding hazards, the size, complexity and anticipated duration of the incident, including the associated risks **(NFPA 5.2.10)**
- K. Determine the hazards associated with the designation of a landing zone and interface with helicopters **(NFPA 5.2.11)**
- L. Notify the IC of the need for intervention resulting from an occupational exposure to atypical stressful events **(NFPA 5.2.12)**
- M. Determine hazardous energy sources that can affect responder health and safety **(NFPA 5.2.13)**
- N. Monitor conditions, including weather, fire fighter activities, and work cycle durations **(NFPA 5.2.14)**

XV. Fire Suppression Operations (NFPA 5.3) (12%)

- A. Determine incident environmental and operational factors and confirm the establishment of rapid intervention crew (RIC) and evaluate the need to increase RIC capability **(NFPA 5.3.1)**
- B. Communicate fire behavior, building access/egress issues, collapse, and hazardous energy issues to established RICs **(NFPA 5.3.2)**
- C. Identify and estimate building/structural collapse hazards **(NFPA 5.3.3)**
- D. Determine flashover and hostile fire event potential at building fires **(NFPA 5.3.4)**
- E. Determine fire growth and blow up **(NFPA 5.3.5)**
- F. Determine the suitability of building entry and egress options at building fires **(NFPA 5.3.6)**

XVI. Technical Rescue Operations (NFPA 5.4) (6%)

- A. Determine the need for a rescue technician-trained ISO or assistant ISO (NFPA 5.4.1)
- B. Prepare a safety plan that identifies corrective or preventive actions (NFPA 5.4.2)
- C. Deliver a safety briefing for technical rescue incident response members (NFPA 5.4.3)

XVII. Hazardous Materials Operations (NFPA 5.5) (7%)

- A. Determine the need for a hazardous materials technician trained ISO or assistant ISO (NFPA 5.5.1)
- B. Prepare a safety plan that identifies corrective or preventive actions (NFPA 5.5.2)
- C. Deliver a safety briefing for hazardous materials incident response members (NFPA 5.5.3)
- D. Identify that hazardous materials incident control zones have been established and communicated to personnel on the scene (NFPA 5.5.4)

XVIII. Accident Investigations and Review (NFPA 5.6)..... (1%)

- A. Conduct a safety and health investigative process (NFPA 5.6.1)

XIX. Post-Incident Analysis (PIA) (NFPA 5.7)..... (2%)

- A. Prepare a written post-incident analysis (PIA) from the ISO perspective (NFPA 5.7.1)
- B. Report observations, concerns, and recommendations (NFPA 5.7.2)