

NFPA 1030: 2024 Edition, Chapter 7 Fire Inspector

Below please find what has been previously approved by the Committee on Accreditation (COA) for this level of certification. This example does not take into consideration “Document Review”, “Portfolio”, or “Other testing methods.”

If your agency selects completing their online Assessment Methodology Matrix (AMM) utilizing these test methods, our Technical Analysts may place your application under a COA meeting consent agenda bypassing the usual COA review.

The spaces identified below with an “X” must be replaced with the appropriate cognitive test item numbers (e.g. Questions 1,4,6,7,9, etc.) or the score sheet numbers under Product, Psychomotor/Process methods as score sheet numbers (e.g.- SS 101, 202, and 304, etc.).

Section	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.2.1 Apply applicable codes or standards, given the findings of a completed inspection, the codes and standards, and the policies of the AHJ, so that the applicable codes, standards, and policies are identified, and compliance is determined.				
7.2.1				X
7.2.1 (A) Requisite Knowledge. Fire behavior; fire department access; water supply; flame spread and smoke development ratings of contents, interior finishes, building construction elements, life safety systems, decorations, decorative materials, and furnishings; and safe housekeeping practices.				
7.2.1(A)	X			
7.2.1 (B) Requisite Skills. The ability to observe, communicate, apply codes and standards, recognize hazardous conditions, and make correct and appropriate decisions.				
7.2.1(B)				X
7.2.2 Complete inspection reports, given agency policy and procedures and observations from an assigned field inspection, so that the report is clear and concise and reflects the findings of the inspection in accordance with the applicable codes and standards and the policies of the AHJ.				
7.2.2		X		

7.2.2 (A) Requisite Knowledge.				
Applicable codes, standards, and policies adopted by the AHJ.				
7.2.2 (A)	X			
7.2.2 (B) Requisite Skills.				
The ability to conduct a field inspection, apply codes and standards, and communicate orally, in writing, and electronically in a manner approved by the AHJ.				
7.2.2 (B)		X		X
7.2.3 Process a permit application, given a specific request, so that the application is evaluated, and a permit is issued or denied in accordance with the applicable codes and standards and the policies and procedures of the AHJ.				
7.2.3				X
7.2.3 (A) Requisite Knowledge.				
Permit application process and applicable codes, standards, and policies and procedures of the AHJ.				
7.2.3 (A)	X			
7.2.3 (B) Requisite Skills.				
The ability to apply the applicable codes, standards, and policies and procedures of the AHJ to the permit application process.				
7.2.3 (B)				X
	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.2.4 Enforce permit regulations, given a permit application or report of a violation and applicable codes, standards, and policies of the AHJ, so that enforcement actions are taken in accordance with the applicable codes and standards and the policies of the AHJ and the violation is corrected.				
7.2.4				X
7.2.4 (A) Requisite Knowledge.				
Legal authority for permit issuance and revocation, and applicable codes and standards adopted by the AHJ.				
7.2.4 (A)	X			

7.2.4 (B) The ability to communicate, make correct and appropriate decisions, and evaluate consequences of improper enforcement.				
7.2.4 (B)			X	
7.2.5 Process a plan review application, given a specific submittal, so that the application is evaluated and processed in accordance with the applicable codes and standards and the policies of the AHJ.				
7.2.5			X	
7.2.5 (A) Requisite Knowledge.				
Plan review application process, policies, procedures, and code requirements of the AHJ.				
7.2.5 (A)	X			
7.2.5 (B) Requisite Skills.				
The ability to communicate orally, in writing, and electronically in a manner approved by the AHJ on matters related to policies, procedures, and code requirements of the AHJ.				
7.2.5 (B)		X	X	
7.2.6* Investigate complaints, given a reported situation or condition, so that complaint information is recorded, the investigation process is initiated, and the complaint is resolved or referred in accordance with the applicable codes and standards and the policies of the AHJ.				
7.2.6		X	X	
7.2.6 (A) Requisite Knowledge.				
Applicable codes, standards, and policies adopted by the AHJ and policies of the AHJ.				
7.2.6 (A)	X			
7.2.6 (B) Requisite Skills.				
The ability to interpret codes and standards, recognize problems, and refer complaints to other agencies when required.				
7.2.6 (B)			X	
7.2.7* Explain the modifications process to the adopted codes and standards of the AHJ, given a fire or life safety issue, so that the proposed modifications address the problem, need, or deficiency.				
7.2.7			X	
	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
	Cognitive	Product	Psychomotor	Process
Section	(e.g. Multiple Choice, Short Answer,	(e.g., document or develop a budget, proposal, lesson plan)	(Primarily an observable physical task. e.g., don, doff)	(Primarily a mental or verbalized task. e.g., inspect)

	Discretionary Time with Resources)		
7.2.7 (A) Requisite Knowledge.			
State statutes or local ordinances establishing or empowering the AHJ to adopt, enforce, and modify codes and standards; the legal instruments establishing or adopting codes and standards; and the development and adoption process for fire and life safety legislation or regulations.			
7.2.7 (A)	X		
7.2.7 (B) Requisite Skills.			
The ability to recognize problems, collect information and develop alternative solutions.			
7.2.7 (B)			X
7.3.1* Understand legal proceedings, given the findings of a field inspection or a complaint and consultation with legal counsel, so that all information is presented in a factual manner.			
7.3.1			X
7.3.1 (A) Requisite Knowledge.			
The legal requirements pertaining to rules of evidence and types of legal proceedings.			
7.3.1 (A)	X		
7.3.1 (B) Requisite Skills.			
The ability to maintain a professional demeanor, communicate, listen, and differentiate facts from opinions.			
7.3.1 (B)			X
7.3.2 Initiate legal action related to a fire code violation, given a description of a violation and a legal opinion, so that the action taken is in accordance with the policies of the AHJ and due process of law is followed.			
7.3.2			X
7.3.2 (A) Requisite Knowledge.			
Legal procedure for fire code enforcement and authority and limitations of police powers.			
7.3.2 (A)	X		
7.3.2 (B) Requisite Skills.			
The ability to address legal action in accordance with the policies and procedures of the AHJ.			
7.3.2 (B)			X
7.3.3* Recommend policies and procedures for the delivery of inspection services, given management objectives, so that inspections are conducted in accordance with the policies of the AHJ.			
7.3.3			X

7.3.3 (A) Requisite Knowledge.

Policies and procedures of the AHJ related to code enforcement as well as sources of detailed and technical information relating to fire protection and life safety.

7.3.3 (A)	X			
	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)

7.3.3 (B) Requisite Skills.

The ability to identify approved construction methods and materials related to fire safety, read and interpret construction plans and specifications, educate, conduct research, make decisions, recognize problems, and resolve conflicts.

7.3.3 (B)			X	
-----------	--	--	----------	--

7.4.1 Compute the maximum allowable occupant load of a building, given plans, field observations, or description of its uses, so that the maximum allowable occupant load calculation is in accordance with applicable codes and standards.

7.4.1			X	
-------	--	--	----------	--

7.4.1 (A) Requisite Knowledge.

How to calculate occupant loads for an occupancy and for building use and code requirements, regulations, and operational features presented by various occupancies.

7.4.1 (A)	X			
-----------	----------	--	--	--

7.4.1 (B) Requisite Skills.

The ability to calculate occupant loads, identify occupancy factors related to various occupancy classifications, use measuring tools, read plans, and use a calculator.

7.4.1 (B)			X	
-----------	--	--	----------	--

7.4.2* Identify the occupancy classifications of a building, given a description of the uses, so that all areas are is classified in accordance with applicable codes and standards.

7.4.2			X	
-------	--	--	----------	--

7.4.2 (A) Requisite Knowledge.

Occupancy classification, applicable codes and standards, operational features, and fire hazard classifications presented by various occupancies.

7.4.2 (A)	X			
7.4.2 (B) Requisite Skills.				
The ability to interpret code requirements and recognize building uses associated with each occupancy classification.				
7.4.2 (B)				X
7.4.3* Evaluate a building's area, height, occupancy classification, and construction type, given an approved set of plans and construction features, so that it is confirmed that the building is in compliance with applicable codes and standards.				
7.4.3				X
7.4.3 (A) Requisite Knowledge.				
Building construction with emphasis on fire-rated construction, evaluation of methods of construction and assemblies for fire rating, analysis of test results, and manufacturer's specifications.				
7.4.3 (A)	X			
7.4.3 (B) Requisite Skills.				
The ability to identify characteristics of each type of building construction and occupancy classification.				
7.4.3 (B)				X
	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.4.4* Evaluate fire protection systems and equipment provided for life safety and property protection, given field observations and hazard classifications of the facility and documentation, the hazards protected, and the system specifications, so that the fire protection systems provided are approved for the occupancy, commodity, or hazard being protected.				
7.4.4				X
7.4.4 (A) Requisite Knowledge.				
Applicable codes and standards for fire protection systems, basic physical science as it relates to fire behavior and fire suppression, implications and hazards associated with system operation, installation techniques and acceptance inspection, testing and reports of maintenance of completed installations, and use and function of various systems.				
7.4.4 (A)	X			

7.4.4 (B) Requisite Skills.			
The ability to recognize hazards and deficiencies, use codes and standards, and read reports, plans, and specifications.			
7.4.4 (B)			X
7.4.5* Witness an acceptance test for an integrated fire protection system, given approved shop drawings, test protocols, and an installed system, so that system performance can be evaluated for compliance, and deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.			
7.4.5			X
7.4.5 (A) Requisite Knowledge.			
Acceptance test procedures and applicable codes and standards.			
7.4.5 (A)	X		
7.4.5 (B) Requisite Skills.			
The ability to witness and validate the performance of acceptance tests.			
7.4.5 (B)			X
7.4.6* Inspect means of egress elements, given observations made during a field inspection of an existing building, so that means of egress elements are maintained in compliance with applicable codes and standards and deficiencies are identified, documented, and reported in accordance with the policies of the AHJ.			
7.4.6		X	X
7.4.6 (A) Requisite Knowledge.			
Applicable codes and standards adopted by the AHJ related to means of egress elements, maintenance requirements of egress elements, types of construction, occupancy egress requirements, and the relationship of fixed fire protection systems to egress requirements and to approved means of egress elements, including, but not limited to, doors, hardware, and lights.			
7.4.6 (A)	X		
7.4.6 (B) Requisite Skills.			
The ability to observe and recognize problems, calculate, make correct and appropriate decisions related to means of egress, use measuring tools, and make field sketches.			
7.4.6 (B)		X	X
7.4.7* Identify hazardous conditions involving equipment, processes, and operations, given field observations and documentation, so that the equipment, processes, or operations are installed in accordance with applicable codes and standards and deficiencies are identified, documented, and reported in accordance with the policies of the AHJ.			
7.4.7		X	X

	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.4.7 (A) Requisite Knowledge.				
Applicable codes and standards, accepted fire protection practices, fire behavior, ignition sources, safe housekeeping practices, and additional reference materials related to protection of hazardous processes and code enforcement.				
7.4.7 (A)	X			
7.4.7 (B) Requisite Skills.				
The ability to observe, communicate, interpret codes, recognize problems, and make decisions.				
7.4.7 (B)			X	
7.4.8*				
Evaluate emergency planning and preparedness procedures, given existing or proposed plans and procedures and applicable codes and standards, so that compliance is determined.				
7.4.8			X	
7.4.8 (A) Requisite Knowledge.				
Occupancy requirements for emergency evacuation plans, fire safety programs for crowd control, roles of agencies and individuals in implementation and development of emergency plans.				
7.4.8 (A)	X			
7.4.8 (B) Requisite Skills.				
The ability to compare submitted emergency plans and procedures with applicable codes and standards adopted by the AHJ.				
7.4.8 (B)			X	
7.4.9*				
Assist with the development and evaluation of emergency planning and procedures, given a description of a building and its use, so that plans and procedures are in accordance with the applicable codes and standards and the policies of the AHJ.				
7.4.9		X		
7.4.9 (A) Requisite Knowledge.				

Applicable codes and standards adopted by the AHJ; purpose, use, and applicability of evacuation plans; and human behavior.

7.4.9 (A)	X		
-----------	----------	--	--

7.4.9 (B) Requisite Skills.
The ability to read plans and reports and recognize problems.

7.4.9 (B)			X
-----------	--	--	----------

7.4.10
Verify code compliance for storage, handling, and use of flammable and combustible liquids and gases, given field observations and inspection guidelines from the AHJ, so that deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.

7.4.10		X	X
--------	--	----------	----------

7.4.10 (A) Requisite Knowledge.
Flammable and combustible liquids properties and hazards, safety data sheets, safe handling practices, applicable codes and standards, fire protection systems and equipment approved for the material, fire behavior, safety procedures, and storage compatibility.

7.4.10 (A)	X		
------------	----------	--	--

	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)

7.4.10 (B) Requisite Skills.
The ability to identify typical fire hazards associated with processes or operations utilizing flammable and combustible liquids and to observe, communicate, interpret codes, recognize deficiencies, and make appropriate decisions.

7.4.10 (B)			X
------------	--	--	----------

7.4.11
Evaluate code compliance for the storage, handling, and use of hazardous materials, given field observations, so that deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.

7.4.11		X	X
--------	--	----------	----------

7.4.11 (A) Requisite Knowledge.

Hazardous materials properties and hazards, safety data sheets, safe handling practices, applicable codes and standards, fire protection systems and equipment approved for the material, fire behavior, safety procedures, chemical reactions, and storage compatibility.			
7.4.11 (A)	X		
7.4.11 (B) Requisite Skills.			
The ability to identify fire hazards associated with processes or operations utilizing hazardous materials and to observe, communicate, interpret codes, recognize deficiencies, and make appropriate decisions.			
7.4.11 (B)			X
7.4.12*			
Determine fire growth potential in a building or space, given field observations or plans, so that the contents, interior finish, and construction elements are evaluated for compliance, and deficiencies are identified, documented, and corrected in accordance with the applicable codes and standards and the policies of the AHJ.			
7.4.12		X	X
7.4.12 (A) Requisite Knowledge.			
Basic fire behavior; flame spread and smoke development ratings of contents, interior finishes, building construction elements, decorations, decorative materials, and furnishings; and safe housekeeping practices.			
7.4.12 (A)	X		
7.4.12 (B) Requisite Skills.			
The ability to observe, communicate, interpret codes and standards, recognize hazardous conditions, and make appropriate decisions.			
7.4.12 (B)			X
7.4.13*			
Verify compliance with construction documents, given a performance-based design, so that life safety systems and building services equipment are installed, inspected, and tested to perform as described in the engineering documents and the operations and maintenance manual that accompanies the design, so that deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.			
7.4.13		X	X
7.4.13 (A) Requisite Knowledge.			
Applicable codes and standards for installation and testing of fire protection systems, means of egress, and building services equipment.			
7.4.13 (A)	X		
7.4.13 (B) Requisite Skills.			
The ability to witness and validate tests of fire protection systems and building services equipment.			

7.4.13 (B)			X	
	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.4.14*				
Verify code compliance of heating, ventilation, air conditioning, and other building service equipment and operations, given field observations, so that the systems and other equipment are maintained in accordance with applicable codes and standards and deficiencies are identified, documented, and reported in accordance with the policies of the AHJ.				
7.4.14		X	X	
7.4.14 (A) Requisite Knowledge.				
Types, installation, maintenance, and use of building service equipment; operation of smoke and heat vents; installation of kitchen cooking equipment (including hoods and ducts), laundry chutes, elevators, and escalators; emerging technologies and energy efficiency systems; and applicable codes and standards; adopted by the AHJ.				
7.4.14 (A)	X			
7.4.14 (B) Requisite Skills.				
The ability to observe, recognize deficiencies, interpret codes and standards, and write reports.				
7.4.14 (B)		X	X	
7.4.15*				
Verify emergency access for an existing site, given field observations and approved plans, so that the required access for emergency responders is maintained and deficiencies are identified, documented, and corrected in accordance with the applicable policies of the AHJ.				
7.4.15*		X	X	
7.4.15 (A) Requisite Knowledge.				
Policies of the AHJ, and emergency access and accessibility requirements.				
7.4.15 (A)	X			
7.4.15 (B) Requisite Skills.				
The ability to identify the emergency access requirements and observe and report deficiencies per the policies of the AHJ.				

7.4.15 (B)		X	X	
7.4.16				
Verify available fire flows for a site, given fire flow test results and water supply data, so that required fire flows are in accordance with applicable codes and standards and deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.				
7.4.16		X	X	
7.4.16 (A) Requisite Knowledge.				
Types of water distribution systems and other water sources in the local community, water distribution system testing, characteristics of public and private water supply systems, and flow testing procedures.				
7.4.16 (A)	X			
7.4.16 (B) Requisite Skills.				
The ability to use Pitot tubes, gauges, and other data gathering devices as well as the ability to graph and evaluate fire flow results.				
7.4.16 (B)		X	X	
7.5.1*				
Classify an occupancy, given a set of plans, specifications, and a description of a building and its use, so that the classification is made in accordance with the applicable codes and standards and the policies of the AHJ.				
7.5.1			X	
	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.5.1 (A) Requisite Knowledge.				
Occupancy classification, applicable codes and standards, regulations, operational features, and fire hazards presented by various occupancies.				
7.5.1 (A)	X			
7.5.1 (B) Requisite Skills.				
The ability to read plans and make appropriate decisions.				
7.5.1 (B)			X	

7.5.2*			
Compute the maximum allowable occupant load, given a floor plan of a building or portion of the building, so that the calculated occupant load is in accordance with the applicable codes and standards and the policies of the AHJ.			
7.5.2			X
7.5.2 (A) Requisite Knowledge.			
How to calculate occupant loads for an occupancy and building use, code requirements, regulations, operational features such as fixed seating, and fire hazards presented by various occupancies.			
7.5.2 (A)	X		
7.5.2 (B) Requisite Skills.			
The ability to calculate accurate occupant loads, identify occupancy factors related to various occupancy classifications, use measuring tools, read plans, and use a calculator.			
7.5.2 (B)			X
7.5.3*			
Review the proposed installation of fire protection systems, given shop drawings and system specifications for a storage commodity, process, or operation, so that the system is reviewed for code compliance and installed in accordance with the approved drawings, and deficiencies are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.			
7.5.3		X	X
7.5.3 (A) Requisite Knowledge.			
Proper selection, distribution, location, and testing of portable fire extinguishers; methods used to evaluate the operational readiness of water supply systems used for fire protection; evaluation and testing of automatic sprinkler, water spray, and standpipe systems and fire pumps; evaluation and testing of fixed fire suppression systems; and evaluation and testing of automatic fire detection and alarm systems and devices.			
7.5.3 (A)	X		
7.5.3 (B) Requisite Skills.			
The ability to read basic floor plans or shop drawings and identify symbols recognized by the AHJ.			
7.5.3 (B)			X
7.5.4			
Compare an approved plan to an existing fire protection system, given approved plans and field observations, so that any modifications to the system are identified, documented, and reported in accordance with the applicable codes and standards and the policies of the AHJ.			
7.5.4		X	X

7.5.4 (A) Requisite Knowledge.				
Fire protection symbols and terminology.				
7.5.4 (A)	X			
	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
7.5.4 (B) Requisite Skills.				
The ability to read and comprehend plans for fire protection systems, observe, communicate, apply codes and standards, recognize problems, and make appropriate decisions.				
7.5.4 (B)			X	
7.5.5				
Review the means of egress elements provided, given a floor plan of a building or portion of a building, so that all elements are identified and checked against applicable codes and standards and deficiencies are discovered and communicated in accordance with the policies of the AHJ.				
7.5.5			X	
7.5.5 (A) Requisite Knowledge.				
Applicable codes and standards adopted by the AHJ, the identification of standard symbols recognized by the AHJ used in plans, and field verification practices.				
7.5.5 (A)	X			
7.5.5 (B) Requisite Skills.				
The ability to read plans and research codes and standards.				
7.5.5 (B)			X	
7.5.6*				
Review the construction type of a building or portion thereof, given a set of plans and specifications, so that the construction type complies with adopted codes and standards of the AHJ.				
7.5.6			X	
7.5.6 (A) Requisite Knowledge.				
Building construction with emphasis on fire-rated construction, evaluation of methods of construction and assemblies for fire rating, analysis of test results, and manufacturer's specifications.				

7.5.6 (A)	X		
7.5.6 (B) Requisite Skills.			
The ability to identify characteristics of each type of building construction.			
7.5.6 (B)			X