



Los Angeles Fire Department Chief's Regulation No. 4 Testing Requirements and Oral Interview Study Areas

The Chief's Regulation No. 4 Unit administers the testing process for the Division 6 "Certificate of Fitness" for testing of Fire/ Safety systems and equipment. The testing process consists of the following:

1. 100 question written test which addresses the policies and procedures of the Chief's Regulation No. 4 Unit.
 - a. A passing score of 80% is required to advance to the next phase
 - b. Study material for this test is located at the Chief's Regulation No. 4 website in "Forms", and "Study Material" at:
www.lafd.org/prevention/reg4.html
2. Pre-Oral written test and Oral Interview
 - a. A score of 80% on the pre-oral written is required to take the oral interview
 - b. Major study areas are outlined in Table 1 below
3. Field Test
 - a. Applicant is responsible for obtaining the building/ location to perform the test
 - i. Minimum requirements for the building are listed in Table 2 below
 - b. Applicant shall have all required equipment and manpower needed to do a complete test

All three areas of testing include information from the latest version of the Chief's Regulation No. 4 Procedures which can be found at the website listed above.

The Annexes for each of the references in Table 1 is used to provide a better understanding of the intent of the code; therefore the applicant should be prepared to answer questions from them.

Any of the system references that contain "definitions" are part of the required knowledge. Report writing requires the proper use of terms.

When testing in accordance with equipment manufacture recommendations is required, the applicant will be tested on those specific procedures (example: Won Door)

The applicant is responsible for knowing the changes in resource information pertinent to the year of installation for each system. Table 1 below states only the "Areas of Study", it does not reflect the specific years for the reference.

The testing process is formulated to examine an applicants' ability to test a particular system, to determine their overall system knowledge, and to verify that they understand the individual components of a system and how they relate to the complete system.

The information in the latest revision of this document supercedes all previous information

Table 1

System	Reference	Areas of Study
Fire Alarms	<ul style="list-style-type: none"> -NFPA 72 -LAFD Fire Code Division 122 -CFC Title 24 Part 9- Chapter 9 	<ul style="list-style-type: none"> -Primary and Secondary Power -Initiating Devices, Notification Appliances -Testing and Maintenance -Definitions -Emergency Control Functions -Circuits and Pathways -Fire Alarm Fundamentals -Building Communication -Firefighter Phones/ two-way Communication -Testing Procedures
Central Station Signaling Systems	<ul style="list-style-type: none"> -NFPA 72 -NFPA 72- Supervising Station Fire Alarm Systems -NFPA 72- Inspection, Testing, and Maintenance 	<ul style="list-style-type: none"> -Primary and Secondary Power -Supervision of Devices and Appliances -Testing and Maintenance -Supervising Station Alarm Sys. -Proprietary Systems -Definitions -Fire Alarm Fundamentals -Testing Procedures
Emergency Power-Generator	<ul style="list-style-type: none"> -NFPA 110 -CBC Title 24 Part 2-Chapter 10 -LAFD Fire Code Division 118 -NFPA 70 -IB-P-BC 2002-19 Exit Illumination (available at LADBS.org) 	<ul style="list-style-type: none"> -Definitions -Classification of Emergency Power Systems -Transfer Switch Equipment -Egress path Illumination -Egress Path Components -Testing Procedures
Emergency Power-Battery/Unit Lighting	<ul style="list-style-type: none"> -CBC Title 24 Part 2 Chapter 10 -LAFD Fire Code Division 118 -NFPA 111 -NFPA 70 -IB-P-BC 2002-19 Exit Illumination (available at LADBS.org) 	<ul style="list-style-type: none"> -Means of Egress Identification -Where required -Illumination intensity/ Locations -Power Sources -Combination Egress Light/ Exit Signs -Emergency Lighting Circuits -Testing Procedures
Automatic Closing Fire Assemblies	<ul style="list-style-type: none"> -NFPA 80 -NFPA 80- Annex A-L 	<ul style="list-style-type: none"> -Care and Maintenance -Fire Shutters -Horizontal/ Vertical Fire Doors -Hardware requirements -Accordion/ Folding Fire Doors -Rolling Steel Fire Doors -Chute Doors -Testing Procedures -Self and Automatic Closing -Fabric Fire Safety Curtains

Table 1

System	Reference	Areas of Study
Automatic Elevator Emergency Operations	-CBC Title 24 Part 2- Chapter 30 -ASME A17.1- 1996 -ASME A17.1- 2004 -Cal. Code Reg., Title 8, Sec. 3041	-Emergency Signaling -Two way Communication -Safety Devices -Phase I Emergency Recall Operation -Phase II Emergency In-Car Operation -Testing Procedures
Automatic Sprinkler Systems	-NFPA 13 -NFPA 22 -LAFD Fire Code Division 138 -CBC Title 24 Part 2- Chapter 9 -Dorothy Mae Ordinance -Central Recall Brochure -NFPA 25 Ca. Edition	-System Components & Hardware -Sprinkler head temperature rating and types -Definitions -Sprinkler spacing -Pressure Reducing Valves -System Attachments -Wet and Dry Pipe Systems -Hose Connections -Recall Requirements -Testing Requirements
Class I Systems	-Title 19 Chapter 5 -LAFD Fire Code Division 138 -CBC Title 24 Part 2- Chapter 9 -NFPA 14 -NFPA 25 Ca. Edition	-Fire Dept. Connections -Definitions -System Types -Flow Rates -Hydrostatic Testing -System Gauges -Pressure Regulating Devices -Testing Procedures
Class II Systems	-Title 19 Chapter 5 -CBC Title 24 Part 2- Chapter 9 -NFPA 1962 -NFPA 14 -NFPA 25 Ca. Edition Table 6.3.1.6 -NFPA 25 Ca. Edition Table 6.2.7 (Ref. Pub) -LAFD Fire Code Division 138	-Hose Stations -Fire Dept. Connections -Minimum and Maximum Pressures (different Years) -Pressure Regulator Devices -Testing Procedures -Fire Hose Care
Class III Systems	-Title 19 Chapter 5 -CBC Title 24 Part 2- Chapter 9 -NFPA 14 -NFPA 1962	-Hose Stations -Fire Dept. Connections -Minimum and Maximum Pressures (different Years) -Pressure Regulator Devices -Testing Procedures -Fire Hose Care
Combined Sprinkler/ Standpipe Systems	-Title 19 Chapter 5 -NFPA 13 -CBC Title 24 Part 2- Chapter 9 -LAFD Fire Code Division 138 -NFPA 14	-Fire Dept. Connections -Minimum and Maximum Pressures -Pressure Regulator Devices -Gauges -Piping components -Testing Procedures

Table 1

System	Reference	Areas of Study
Stationary Pumps for Fire Protection	-NFPA 20 -NFPA 25 -	-Fire Dept. Connections -Minimum and Maximum Pressures and times -Piping components -Electric and Diesel Drivers -Pressure Regulator Devices -Testing Procedures -Engine Drive Controllers
Special Sprinkler Systems		-Deluge Systems -Dry Pipe Systems -Testing Procedures
UL300 Hood Systems		Not applicable at this time
Fire Escape	-NFPA 101- Fire Escapes	-Safety Inspection -Components of -Testing Procedures
Smoke Proof Enclosures	-CBC Title 24 Part 2- Chapter 9 -NFPA 92A & 92B	-Fundamentals -System Components -Smoke Control Systems & Applicability -Building Equipment & Controls -Testing Procedures
Mechanical Smoke Removal	-CBC Title 24 Part 2- Chapter 9 -NFPA 92A & 92B	-Fundamentals -System Components -Smoke Control Systems & Applicability -Building Equipment & Controls -Testing Procedures
Stair Pressurization	-CBC Title 24 Part 2- Chapter 9 -NFPA 92A & 92B	-Fundamentals -System Components -Smoke Control Systems & Applicability -Building Equipment & Controls -Testing Procedures
Gas Detection Systems	-LAFD Gas Detection Ordinance - Specific Manufacture Requirements/ Recommendations	-Testing Procedures -Maintenance
Private Hydrants		Not applicable at this time

