(Updated Exams Release Date: April 19, 2027)
Fire Alarm Systems Certification

Level IV Content Outline

Senior Engineering Technician

Level IV FAS Technicians are senior-level technicians whose work includes installing and maintaining complex* and specialized systems. Level IV Technicians manage multiple projects at once and serve as liaison between AHJs, owners, engineers, contractors. They interpret codes, supervise Levels I-III Technicians, and take ownership of programs and training. Level IV Technicians have at least 10 years of experience in FAS.

**Complex systems may include, but are not limited to, one or more of the following: suppression systems, networked control units, smoke control interfaces, air sampling systems, multi-zone voice evacuation systems and/or high-rise applications, and Emergency Responder Communication Enhancement Systems (ERCES) interfaces (such as DAS, BDA, IBPSC, etc.).*

4.1 Installation, Planning, and Maintenance

(Questions related to these tasks make up 35-45% of the exam.)

- 4.1.1 Manage at department level (e.g., design, sales, operations, service). 1, 2, 3, 6, 7
- 4.1.2 Oversee as-builts and close-out documents. 1, 2
- 4.1.3 Manage system commissioning process. 1, 2, 3
- 4.1.4 Budget project resources. 1, 2

4.2 Submittal Preparation and System Layout

(Questions related to these tasks make up 10-20% of the exam.)

- 4.2.1 Oversee preparations and approve shop drawings. 1, 3

4.3 Complex Fire Alarm System Operations

(Questions related to these tasks make up 40-50% of the exam.)

- 4.3.1 Resolve complex detection scenarios. 1, 3
- 4.3.2 Resolve complex notification scenarios. 1, 3, 6
- 4.3.3 Specify specialty installation materials and methods. 1, 3, 4
- 4.3.4 Develop fire alarm systems training programs. 1, 2, 4, 5
- 4.3.5 Manage industry relations. 1, 2, 3, 5

October 21, 2026

footnote number is linked to a reference on the Selected General References listing

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