



NFPA® 4: STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING

Requirements to test the performance of the integration of fire protection and life safety systems are provided in NFPA 4, *Standard for Integrated Fire Protection and Life Safety System Testing*. This standard provides the minimum requirements that apply to both active and passive systems.

Why Now?

NFPA 4 closes a gap that has been widening for years. Although acceptance testing is conducted on individual systems to verify compliance and installation with design documents and applicable codes and standards, not one code or standard has mandated testing on integrated fire protection and life safety systems to confirm that they are integrated and interconnected properly. NFPA 4 is now referenced by several major codes and standards, and it provides the framework to plan and execute testing on integrated fire protection and life safety systems to confirm that systems perform as intended.

NFPA 4 is now referenced by the 2018 editions of these codes and standards:

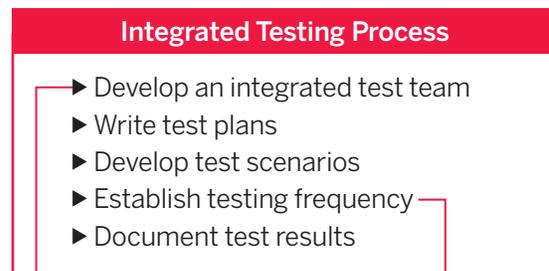


For more details, see the following sections of these documents:

- ▶ NFPA 1, *Fire Code* [13.1.3]
- ▶ NFPA 101®, *Life Safety Code®* [9.11.4]
- ▶ NFPA 5000®, *Building Construction and Safety Code®* [55.1.4.2]
- ▶ *International Fire Code® (IFC®)* [901.6.2]
- ▶ *International Building Code® (IBC®)* [901.6.2]

What NFPA 4 Covers

The major items outlined in NFPA 4 include identifying the people on an integrated system testing team who are responsible for writing and executing the test plan, developing test scenarios and test frequencies, and documenting this information in a final test report to submit to the owner.



Frequency of Testing

Frequency	System to Be Tested
Initial	New construction
Periodic	Existing previously tested
Existing	Existing not previously tested

Integrated Test Team Members (at a Minimum)

- ▶ Installation, testing, or maintenance personnel for each integrated system
- ▶ Integrated Testing Agent (ITa)

What Are ITa Responsibilities?

Planning, scheduling, documenting, coordinating, implementing integrated system testing of the fire protection and life safety systems.



NFPA® 4: STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING *CONTINUED*

WHAT YOU SHOULD KNOW



Owner / Owner's Representative / Facility Manager

- ▶ Select the members of the integrated system test team.
- ▶ Determine if appropriate mitigation measures are in place for any risk that will be assumed during the integrated system test.
- ▶ Retain testing documentation or delegate a representative to retain the documentation.



Contractor

- ▶ Assist in the completion of an integrated system test as needed.
- ▶ Plan for the additional time and labor required for an integrated system test, which takes place in addition to acceptance testing.
- ▶ Communicate with the installation contractors of other systems that are integrated with your system.
- ▶ Modify the language in contracts as needed to ensure they capture the additional resources required for integrated system testing.



AHJ / Enforcers

- ▶ Participate as needed with the testing team as members develop and execute an integrated system test.
- ▶ Review integrated system test plans.



Engineer

- ▶ Communicate with other engineers working on integrated systems throughout the design process.
- ▶ Provide the integrated system testing agent with additional information as needed when developing the integrated system test plan.
- ▶ Modify the language in contracts as needed to ensure they capture the additional resources required for integrated system testing.

NFPA RESOURCES

Training. Get a full day of in-depth training on NFPA 4. This activities-based course explains the correct application of NFPA 4 on projects of many scales. Visit www.nfpa.org/nfpa4training for more information.

Free Access. All NFPA codes and standards can be accessed free at www.nfpa.org/docinfo. Select a document and the edition year to view.

Catalog. Access the NFPA 4 Handbook in PDF for the complete text of NFPA 4 plus answers and explanations to help improve your fieldwork throughout this complex process. Visit www.nfpacatalog.org for products related to NFPA 4.

Latest News. Visit www.nfpa.org/4news for access to additional resources on NFPA 4 including an interactive tutorial on integrated system testing.



IT'S A BIG WORLD.
LET'S PROTECT IT TOGETHER.™

This material contains some basic information about NFPA 4, *Standard for Integrated Fire Protection and Life Safety System Testing*. It identifies some of the requirements in NFPA 4 as of the date of publication. This material is not the official position of any NFPA Technical Committee on any referenced topic which is represented solely by the NFPA documents on such topic in their entirety. For free access to the complete and most current version of all NFPA documents, please go to www.nfpa.org/docinfo. References to "Related Regulations" are not intended to be a comprehensive list. The NFPA makes no warranty or guaranty of the completeness of the information in this material and disclaims liability for personal injury, property, and other damages of any nature whatsoever, from the use of or reliance on this information. In using this information, you should rely on your independent judgment and, when appropriate, consult a competent professional.