



NFPA Update

Barry Chase

Standards Lead, Emergency Response & Responder Safety (ERRS)

January 12, 2024

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Agenda

- Introduction to NFPA Staff
- NFPA Professional Qualifications Standards: Process, Status, and Updates
- FPRF and NFPA Research Updates
- NFPA Website and NFPA LiNK™



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ERRS Team



Barry Chase, Standards Lead

- Wildland Fire Protection & Management
- Motorsports



Ken Holland, Sr Specialist

- Emergency Services Organization
- Apparatus
- Equipment
- Aircraft Rescue & Firefighting (ARFF)



Chris Farrell, Sr Specialist

- PPE



Bob Fash, Specialist

- Professional Qualifications and Training
- Emergency Responder Health & Safety
- Fire Investigation



Chelsea Rubadou, Engineer

- Community Risk Reduction
- Enforcement & Public Education
- Fire & Emergency Services Data
- Technical Search & Rescue



Nicole Cassels, Specialist

- Emergency Communications
- Emergency and Incident Management
- Emergency Medical Services
- Firefighter & Haz Mat Responder Pro Quals



Amy Greenfield, Administrative Assistant

- Pro Board



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Other NFPA Staff



Steve Kaitharath, Engineer (Fire Protection Systems)

- PQ for Telecommunicators (NFPA 1225)



Jen Sisco, Senior Engineer (Building & Life Safety)

- PQ for Facilities Fire and Life Safety Director (NFPA 1082)



Jeff Sargent, Principal Specialist (Electrical)

- PQ for Electrical Inspectors (NFPA 1078)



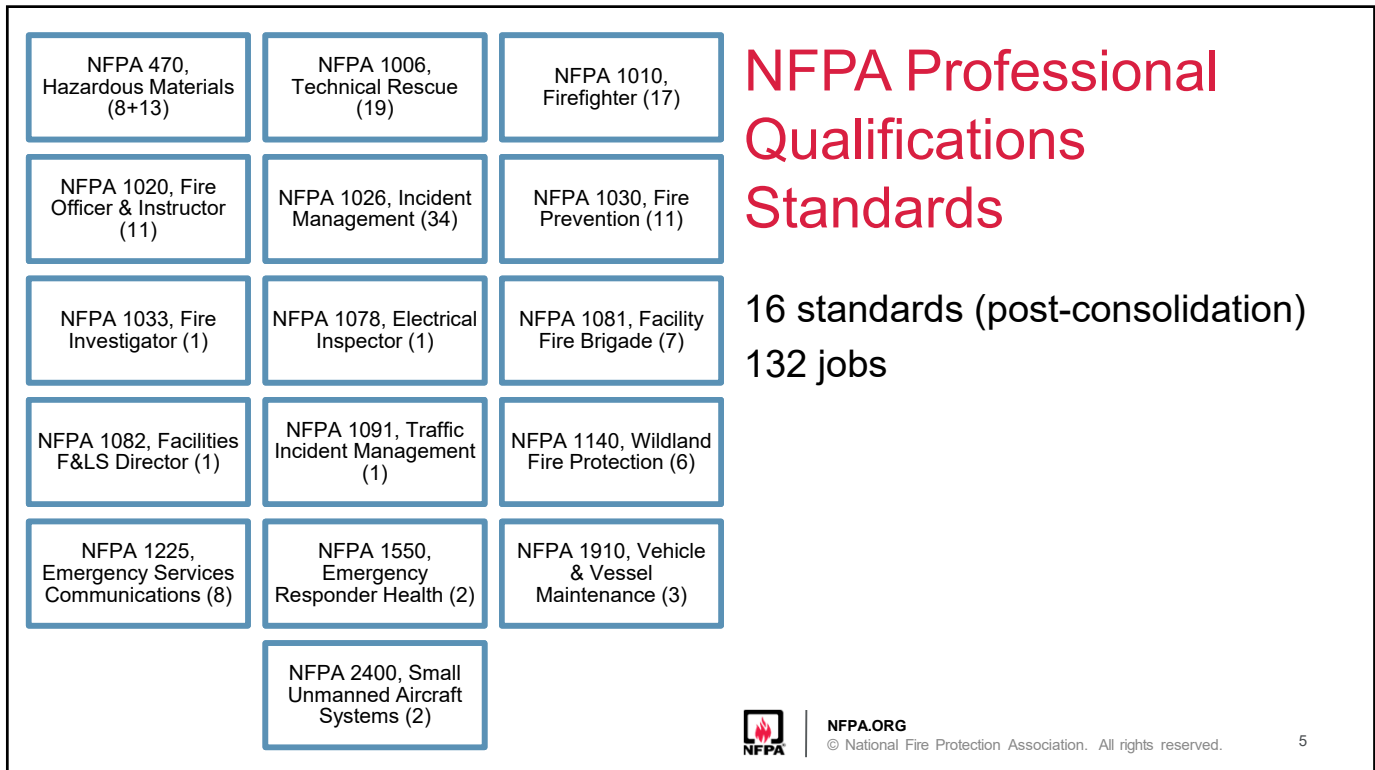
Curt Floyd, Technical Lead for Responders (Technical Services)

- Responder engagement

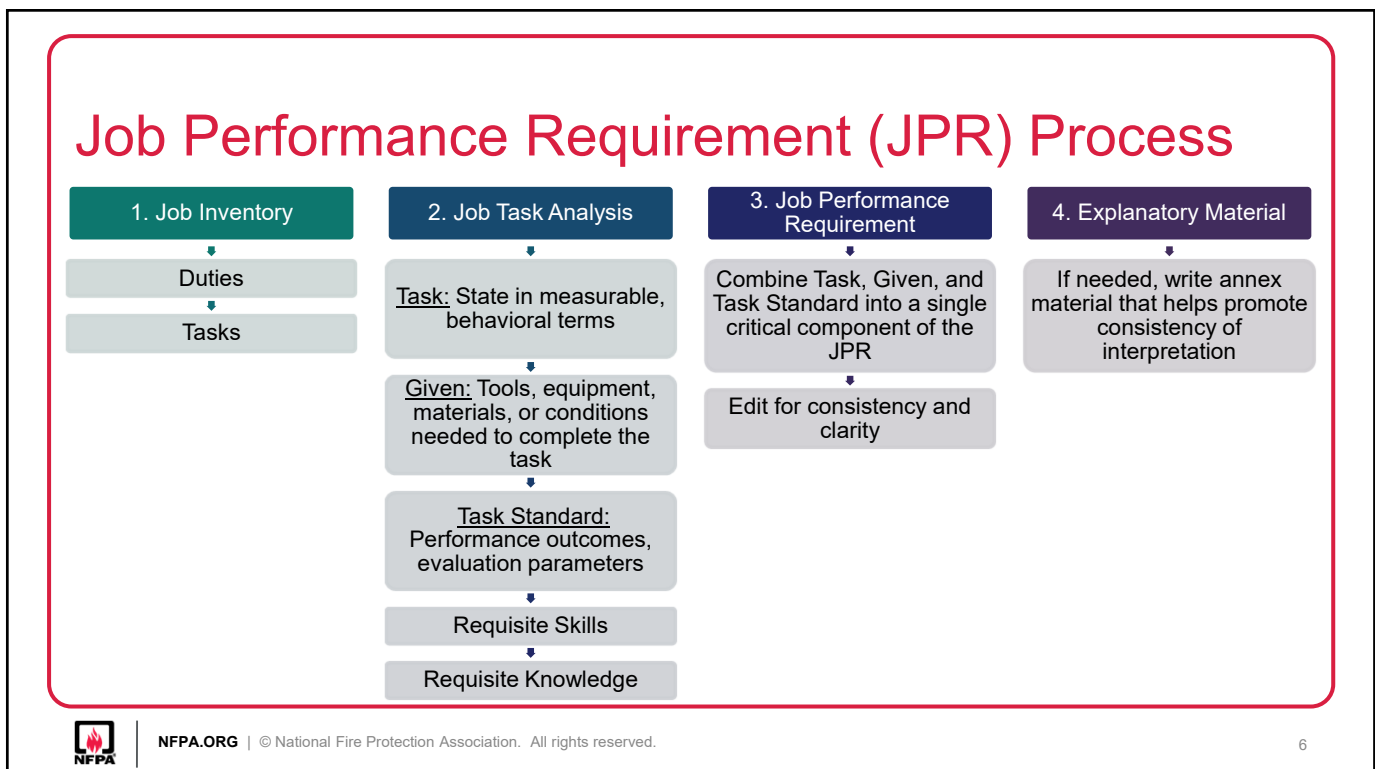


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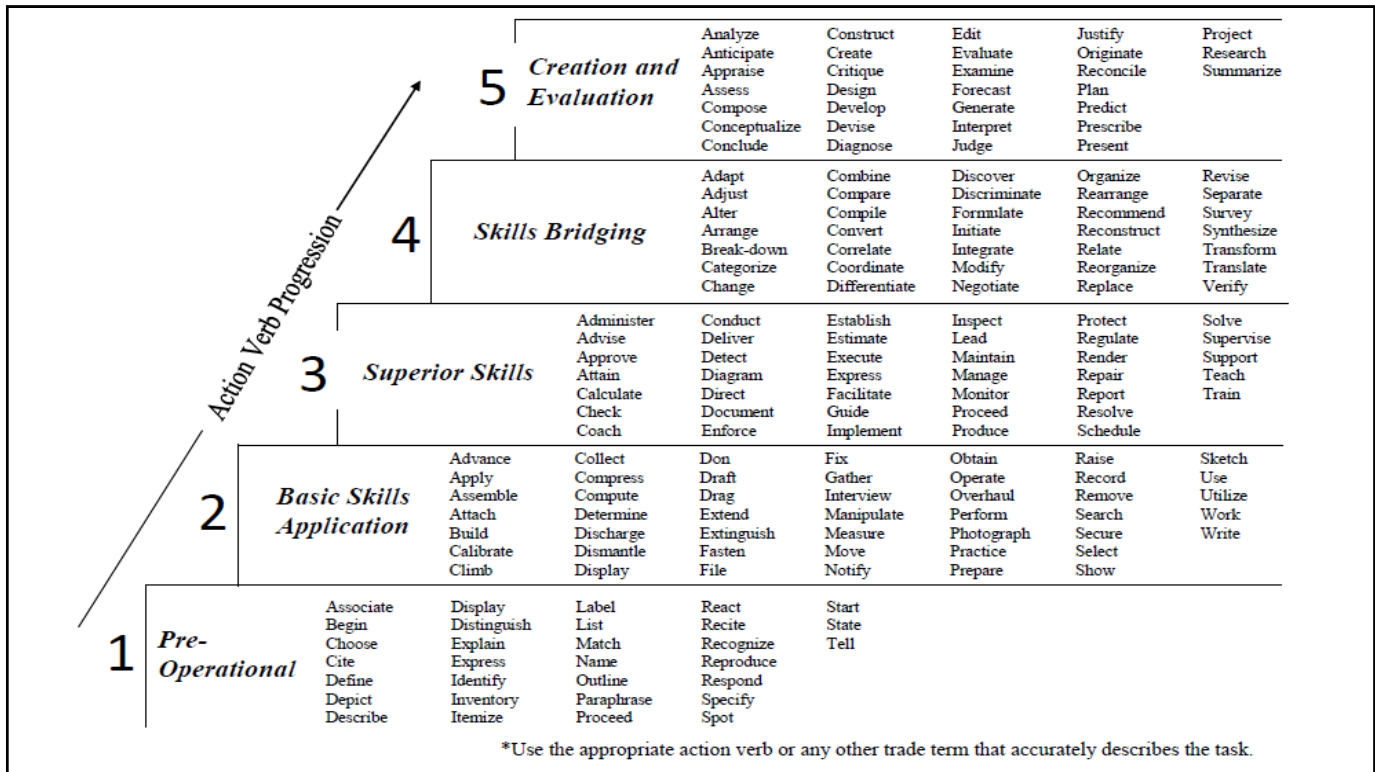
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Example – NFPA 1030 (2024) Chapter 6 First Responder Inspector

6.3 Administrative Duties.

...

6.3.3*

Identify the applicable code or standard, given fire protection, fire prevention, or life safety deficiencies observed during an assigned fire inspection, so that the applicable document, edition, and section are referenced.

(A)

Requisite Knowledge. Fire and life safety codes and standards, and policies as determined by the AHJ.

(B)

Requisite Skills. The ability to apply codes, standards, and policies as determined by the AHJ.



Example – NFPA 1030 (2024)

Chapter 6 First Responder Inspector

A.6.3.3

It is intended that the first responder inspector perform basic-level inspections, which will include specific code and standard sections. However, it is not intended to cover the detail or depth that a fire inspector would provide. The AHJ should establish specific direction and training for the first responder inspector that defines and outlines the basic items that should be covered, such as through a checklist or itemized list of specific codes and standards. See Annex I for an example of a checklist that could be used by a first responder inspector.



JPR Assessment Methodologies

Psychomotor

- Evaluation of a manipulative skill in real time

Cognitive

- Evaluation of knowledge/facts

Process

- Evaluation of a mental activity to perform a cognitive skill in real time that cannot be directly observed

Product

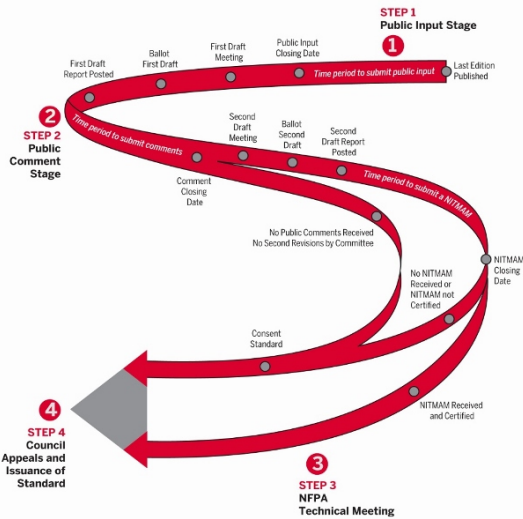
- Evaluation of a cognitive skill that cannot be directly observed; the application of knowledge to yield a product

Portfolio

- Evaluation of documentation of the candidate's experience, training, and education



NFPA Standards Development Process



Standards Development Process



nfpa.org/process

Technical and Correlating Committees

nfpa.org/tc
nfpa.org/tcseek

Document Information

nfpa.org/<doc#>
 (e.g., nfpa.org/1010)

- Current & Prior Editions
- Next Edition
- Technical Committee
- Technical Question
- Purchase/Access Options



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ERRS Consolidation Project

- Turns >100 standards into ~50
- Creates a single source of information for each technical area
- Reduces conflicts between standards
- Reduces meeting costs for volunteers
- Provides opportunities for committees to coordinate
- Arranges (almost) all ERRS standards into 5 groups, revised every 5 years



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Group 1 Documents

First editions issued in 2021
Public input closes Sept 6, 2024

Consolidated Documents			Non-consolidated Documents	
NFPA 470	<i>Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders</i>	1072, 472, 473	NFPA 475	<i>Recommended Practice for Organizing, Managing, and Sustaining a Hazardous Materials/Weapons of Mass Destruction Response Program</i>
NFPA 1140	<i>Standard on Wildland Fire Protection</i>	1051, 1141, 1143, 1144	NFPA 1000	<i>Standard for Fire Service Professional Qualifications Accreditation and Certification Systems</i>
NFPA 1225	<i>Standard for Emergency Services Communications</i>	1061, 1221	NFPA 1006	<i>Standard for Technical Rescue Personnel Professional Qualifications</i>
NFPA 1990	<i>Standard for Protective Ensembles for Hazardous Materials and CBRN Operations</i>	1991, 1992, 1994, *1986, *1987	NFPA 1033	<i>Standard for Professional Qualifications for Fire Investigator</i>
NFPA 2500	<i>Standard for Operations and Training for Technical Search and Rescue Incidents and Life Safety Rope and Equipment for Emergency Services</i>	1670, 1858, 1983	NFPA 1142	<i>Standard on Water Supplies for Suburban and Rural Fire Fighting</i>
			NFPA 1145	<i>Guide for the Use of Class A Foams in Fire Fighting</i>

*Not currently included in issued edition; Will be added in next revision cycle.

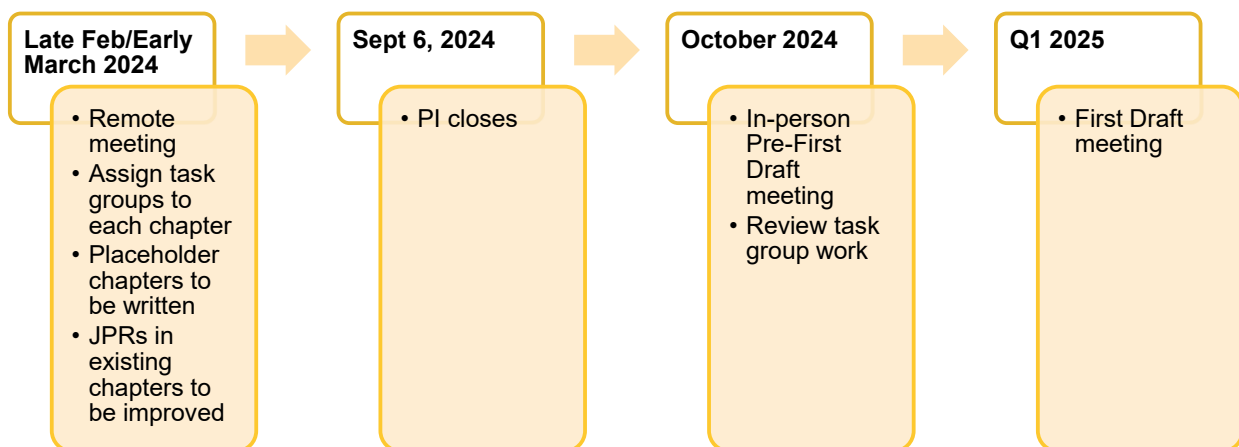


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NFPA 470 Pre-First Draft Work



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Group 2 Documents

First editions issued in 2022 (2024 edition)
Public input closes Sept 4, 2025

Consolidated Documents			Non-consolidated Documents	
NFPA 440	<i>Guide for Aircraft Rescue and Firefighting Operations and Airport/Community Emergency Planning</i>	402, 424	NFPA 610	<i>Guide for Emergency and Safety Operations at Motorsports Venues</i>
NFPA 460	<i>Standard for Aircraft Rescue and Firefighting Services at Airports</i>	403, 405, 412	NFPA 1026	<i>Standard for Incident Management Personnel Professional Qualifications</i>
NFPA 1030	<i>Standard for Professional Qualifications for Fire Prevention Program Positions</i>	1031, 1035, 1037	NFPA 1091	<i>Standard for Traffic Incident Management Personnel Professional Qualifications</i>
NFPA 1660	<i>Standard Emergency, Continuity, and Crisis Management: Preparedness, Response, and Recovery</i>	1600, 1616, 1620	NFPA 1891	<i>Standard on Selection, Care, and Maintenance of Hazardous Materials Clothing and Equipment</i>
NFPA 1900	<i>Standard for Aircraft Rescue and Firefighting Vehicles, Automotive Fire Apparatus, Wildland Fire Apparatus, and Automotive Ambulances</i>	414, 1901, 1906, 1917		
NFPA 1910	<i>Standard for Marine Firefighting Vessels and the Inspection, Maintenance, Testing, Refurbishing, and Retirement of In-Service Emergency Vehicles</i>	1911, 1912, 1925, 1071		

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Group 3 Documents

Consent standards issued
*Received CAMs

Consolidated Documents			Non-consolidated Documents	
NFPA 1010	<i>Standard on Professional Qualifications for Firefighters</i>	1001, 1002, 1003, 1005	NFPA 921	<i>Guide for Fire and Explosion Investigations</i>
NFPA 1550	<i>Standard for Emergency Responder Health and Safety</i>	1500, 1521, 1561	NFPA 1081	<i>Standard for Facility Fire Brigade Member Professional Qualifications</i>
NFPA 1960	<i>Standard for Fire Hose Connections, Spray Nozzles, Manufacturer's Design of Fire Department Ground Ladders, Fire Hose, and Powered Rescue Tools</i>	1931, 1936, 1961, 1963, 1964	NFPA 2400	<i>Standard for Small Unmanned Aircraft Systems (sUAS) Used for Public Safety Operations</i>
*NFPA 1970	<i>Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel and Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS)</i>	1971, 1975, 1981, 1982	NFPA 3000	<i>Standard for an Active Shooter/Hostile Event Response (ASHER) Program</i>



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NFPA 1010

New Position: Support Person

3.3.65* Support Person.

The person meeting the requirements defined in Chapter 5 that assists the fire department with support operations in non-hazardous atmospheres or protected work zones.

Independent of
FF-I and FF-II
qualification

Communications

Initiate Response

TX/RX
Communications

Incident Support Operations

Pump Connection

Portable Fire
Extinguisher Use

Lighting

Building Utilities

Hoisting

Preparedness & Maintenance

Refill SCBA

Maintain Ladders,
Rope, and Tools

Clean & Inspect
Fire Hose &
Return It to
Service



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Group 4 Documents

First Draft Reports posted
Public Comment closed Jan 4, 2024

Consolidated Documents

NFPA 1020	<i>Standard for Fire & Emergency Services Instructor, Fire Officer, and Emergency Medical Services Officer Professional Qualifications</i>	1021, 1041
NFPA 1580	<i>Standard for Emergency Responder Occupational Health and Wellness</i>	1581, 1582, 1583, 1584
NFPA 1930	<i>Standard on Fire and Emergency Service Use of Thermal Imagers, Two-Way Portable RF Voice Communication Devices, Ground Ladders, Rescue Tools, Fire Hose, and Fire Hose Appliances</i>	1932, 1937, 1801, 1802, 1962
NFPA 1950	<i>Standard on Personal Protective Equipment for Technical Rescue Incidents, Emergency Medical Operations, and Wildland and Urban Interface Firefighting</i>	1951, 1977, 1999
NFPA 1955	<i>Standard on PPE for Surface Water Operations and Contaminated Water Operations</i>	1952, 1953

First Draft Report will be posted on or before Mar 21, 2024
Public Comment closes May 30, 2024

Consolidated Documents

NFPA 1850	<i>Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural and Proximity Firefighting and Open-Circuit Self-Contained Breathing Apparatus (SCBA)</i>	1851, 1852
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NFPA 1020

New Positions: EMS Officer I & II

Addresses an emerging need within the fire-based emergency medical system

Stand-alone certification allows flexibility for fire departments that do not respond to medical calls

Task group assigned to make the new chapters more comprehensive and complete for Second Draft

- Incorporating Public Comment



Group 5 Documents

Public Input closed Sept 6, 2023
First Draft Reports posted by Oct 25, 2024

Consolidated Documents

NFPA 455	<i>Guides for Emergency Medical Services and Systems; Community Health Care Programs</i>	450, 451
NFPA 1300	<i>Standard on Community Risk Assessment and Community Risk Reduction Plan Development</i>	1300, 1452
NFPA 1400	<i>Standard for Fire Service Training</i>	1402, 1403, 1404, 1407, 1408, 1410, 1451
NFPA 1750	<i>Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations; Special Operations to the Public by Career and Volunteer Fire Departments; Organization and Deployment of Fire Prevention Inspection and Code Enforcement, Plan Review, Investigation, and Public Education Operations; Providing Fire and Emergency Services to the Public</i>	1201, 1710, 1720, 1730
NFPA 1857	<i>Standard on Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents; Wildland Fire Fighting Clothing and Equipment</i>	1855, 1877
NFPA 1985	<i>Standard on Emergency Services Respiratory Protection</i>	1984, 1989



Group 5 Documents

Public Input closed Sept 6, 2023
First Draft Reports posted by Oct 25, 2024

Non-consolidated Documents

NFPA 13E	<i>Recommended Practice for Fire Department Operations in Properties Protected by Sprinkler and Standpipe Systems</i>
NFPA 901	<i>Standard Classifications for Fire and Emergency Services Incident Reporting</i>
NFPA 950	<i>Standard for Data Development and Exchange for the Fire Service</i>
NFPA 951	<i>Guide to Building and Utilizing Digital Information</i>
NFPA 1250	<i>Recommended Practice in Fire and Emergency Service Organization Risk Management</i>
NFPA 1401	<i>Recommended Practice for Fire Service Training Reports and Records</i>
NFPA 1405	<i>Guide for Land-Based Fire Departments that Respond to Marine Vessel Fires</i>
NFPA 1700	<i>Guide for Structural Fire Fighting</i>



New Emergency Response Documents

Draft Documents

NFPA 1022	<i>Standard for Fire and Emergency Services Analyst Professional Qualifications</i>
NFPA 1321	<i>Standard for Fire Investigation Units</i>
NFPA 1585	<i>Standard for Exposure and Contamination Control</i>



NFPA 1022, *Standard for Fire and Emergency Services Analyst Professional Qualifications*

- Significant changes for Second Draft to improve usability for curriculum developers and individuals seeking certification
- Schedule for NITMAM/Tech Session Phase is TBD
- Anticipated issuance in 2024 or 2025

What positions does NFPA 1022 define?

Data Analyst

GIS Analyst

Business Analyst

Data & Analytics Manager



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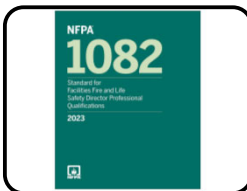
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Non-Emergency Response Professional Qualifications Documents



NFPA 1078, *Standard for Electrical Inspector Professional Qualifications*

- 2024 edition issued 4/23/23
- Added new JPRs for inspection of communications systems
- Public input closes Jun 4, 2025



NFPA 1082, *Standard for Facilities Fire and Life Safety Director Professional Qualifications*

- 2023 edition issued 3/20/22
- No changes to JPRs
- Public input closed Jan 4, 2024



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**RESEARCH
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RESEARCH FOR THE NFPA MISSION

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Effectiveness of Exposure Mitigation Strategies for Fire Investigators

- Informational webinar planned for March 2024
- Expected report completion ~May/June 2024

First Responder EV Response Guidance

- AFG grant project
- Incorporates 'Stranded Energy within Lithium-ion Batteries'
- Expected report completion March 2025

Improved PPE Cleaning Best Practices and Exposure Assessment

- Webinar available (www.nfpa.org/webinars, > 'archived webinars')
- Expected report completion March 2025
- Information: www.nfpa.org/PPEcleaning

Firefighter Cancer Cohort Study

- Supporting project, but not leading
- Information: www.ffccs.org



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Firefighting Foam: Fire Service Roadmap

- Expected report completion Sept 2024
- Information: www.nfpa.org/foamroadmap

Role of Training on Volunteer Firefighter Recruitment & Retention

- Partner w/ NVFC & NAFTD
- Project contractor recently selected
- Anticipated completion August 2025

TRAIN: Training Responders' Awareness using Immersive Next-gen Technology

- Partner w/ NAFTD
- Phase 1 [COMPLETED] – Evaluates the applications of immersive learning (literature review, focus group, and summit)
- Phase 2 [LAUNCHING] – Develop and validate an evaluation tool to assess immersive learning technology
- Information: www.nfpa.org/ffimmersivellearning



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RESEARCH

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- **Large Loss Fires in the United States** (S. Badger; 01-Apr-2023)
- **Home Structure Fires** (S. Hall; 01-Apr-2023)
- **Fires and Burns Involving Home Medical Oxygen** (S. Hall; 01-May-2023)
- **Fatal Firefighter Injuries in the United States** (R. Campbell and J. Petrillo; 15-Jun-2023)
- **Home Cooking Fires** (01-Sep-2023)
- **Structure Fires Started by Hot Work** (T. McGee; 01-Sep-2023)
- **Fires in Structures Under Construction** (R. Campbell; 01-Oct-2023)
- **Fire loss in the United States** (S. Hall; 01-Nov-2023)

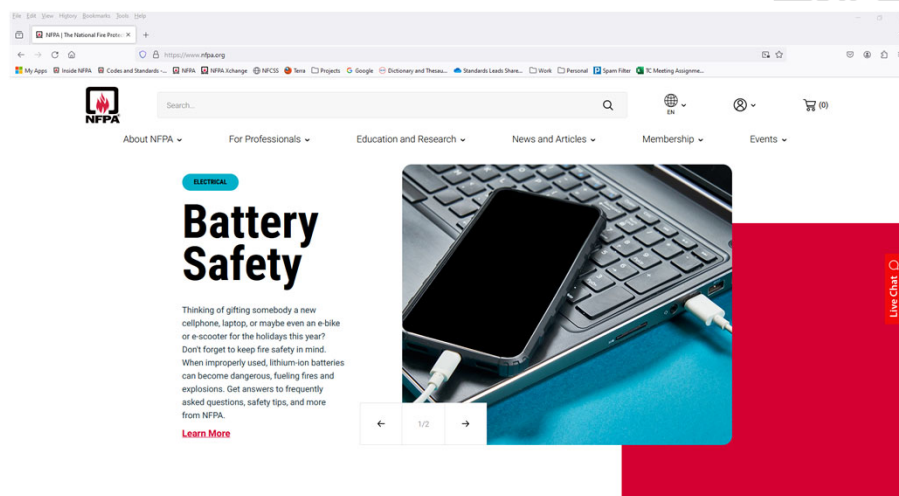


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NFPA.org Website



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