

## ***Pumping Apparatus Driver Operator Handbook Study Guide***

Author John Mittendorf has completely rewritten his best-selling book, Truck Company Operations, a must-have for all firefighters who are assigned to the truck and who have responsibilities for the truck on the fireground. The new second edition covers the many aspects, tasks, and functions of a truck company, and contains new and expanded information related to search, reading a building, reading smoke, the Ten Commandments of truck company operations, operating truck apparatus, and more--all from a truck company perspective.

This version includes all 21 chapters of Essentials of Fire Fighting, 6th Edition and adds three chapters written and validated to meet the emergency medical and hazardous materials requirements of NFPA® 1001, 2013 Edition. Chapter 22 specifically addresses the Firefighter I and Firefighter II knowledge and skills requirements for the emergency medical care competencies identified in NFPA® 1001, 2013 Edition Chapter 4. Chapters 23 and 24 meet the First Responder Awareness and Operations Levels for Responders according to NFPA® 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents, 2012 Edition and OSHA 1910.120. The chapters also provide validated content to meet Section 6.6, Mission-Specific Competencies: Product Control, of NFPA® 472. The hazardous materials information is adapted from the IFSTA Hazardous Materials for First Responders, 4th

Edition.

The National Fire Protection Association (NFPA) And The International Association Of Fire Chiefs (IAFC) Are Pleased To Bring You The Second Edition Of Fire Officer: Principles And Practice, A Modern Integrated Teaching And Learning System For The Fire Officer I And II Levels. Fire Officers Need To Know How To Make The Transition From Fire Fighter To Leader. Fire Officer: Principles And Practice, Second Edition Is Designed To Help Fire Fighters Make A Smooth Transition To Fire Officer. Covering The Entire Scope Of NFPA 1021, Standard For Fire Officer Professional Qualifications, 2009 Edition, Fire Officer Combines Current Content With Dynamic Features And Interactive Technology To Better Support Instructors And Help Prepare Future Fire Officers For Any Situation That May Arise. Safety Is Principle! The Second Edition Features A Laser-Like Focus On Fire Fighter Safety. Reducing Fire Fighter Injuries And Deaths Requires The Dedicated Efforts Of Every Fire Fighter, Fire Officer, Fire Department, And The Entire Fire Community Working Together. It Is With This Goal In Mind That We Have Integrated The 16 Firefighter Life Safety Initiatives Developed By The National Fallen Firefighters Foundation Into The Text. Likewise, In Each Of The Chapters, Actual National Fire Fighter Near-Miss Reporting System Cases Are Discussed To Drive Home Safety And The Lessons Learned From Those Incidents. Some Of The Guiding Principles Added To The New Edition Include: "Description Of The "Everybody Goes Home" And The National Fire Fighter Near-Miss Reporting

System, Including Over A Dozen Company Officer Near-Miss Examples Throughout The Text. □Description Of The IAFC/IAFF Firefighter Safety And Deployment Study. □The Latest Fire Fighter Death And Injury Issues As Reported By The NFPA? National Fallen Firefighters Foundation, IAFC, And IAFF, Including Results Of A Thirty-Year Retrospective Study. □Changes In Fire-Ground Accountability And Rapid Intervention Practices. □Results Of National Institute Of Standards And Technology Research On Wind-Driven Fires, Thermal Imaging Cameras, And Fire Dynamics As Related To Fire Fighter Survival. □The Latest Developments In Crew Resource Management. The Second Edition Also Reflects The Latest Developments In: □Building A Personal Development Plan Through Education, Training, Self-Development, And Experience, Including A Description Of The Fire And Emergency Services Higher Education (FESHE) Program. □The Impact Of Blogs, Video Sharing, And Social Networks. □How To Budget For A Grant. □Changes In The National Response Framework And National Incident Management System. Additional Items Related To Fire Fighter Safety And Health Are Included.

Fire Protection Hydraulics and Water Supply, Revised Third Edition

Exam Prep: Fire Department Apparatus Driver/Operator

Safe Operation of Fire Tankers

Truck Company Operations

How To Excel At Fire Department Promotional Exams

**Getting promoted in the fire service is not an easy process. Many people have that desire to promote, but for whatever reason cannot put the pieces together to make it a reality. Over the 20 plus years I have been in the fire service, I have had the opportunity to be on both sides of the promotional process - as a candidate, and as a rater and proctor. This book will assist fire department personnel specifically prepare for their next promotional exam. Promotional candidates will be exposed to and offered key points for the most common tasks and events within a fire department promotional process including, but not limited to: promotional preparation, completing the application, resume preparation, the written exam, the oral interview, the personnel problem, the oral presentation, and the emergency simulation. This second edition of Fire Service Pump Operator has been thoroughly updated to serve as a complete training solution that addresses pump operation, safe driving techniques, tiller and aerial apparatus operation, and water supply considerations. From basic apparatus maintenance to fire**

**pump theory and advanced hydraulic calculations, this single manual covers everything a fire service driver/operator needs to know. Fire Service Pump Operator: Pump, Aerial, Tiller, and Mobile Water Supply, Second Edition meets and exceeds the job performance requirements of Chapters 4, 5, and 10 of NFPA 1002, Fire Apparatus Driver/Operator Professional Qualifications, 2014 Edition. It also addresses all of the course outcomes from the National Fire Academy's Fire and Emergency Services Higher Education (FESHE) Associates (Core) Fire Protection Hydraulics and Water Supply course. This guide is designed to thoroughly prepare you to sit for a Fire Apparatus Driver Operator examination. Teaching you the test-taking strategies used. Your exam performance will improve after using this system.**

**Pumping and Aerial Apparatus Driver/Operator Handbook**

**Pumping Apparatus Driver/Operator Handbook**

**Fire Service Pump Operator**

**Brannigan's Building Construction for the Fire Service**

Response and tactics for common calls, incl. carbon monoxide.

Each new print copy of Fire Protection Hydraulics and Water Supply, Revised Third Edition also includes Navigate Advantage Access that unlocks a complete eBook, Study Center, homework and Assessment Center, and a dashboard that reports actionable data. Experience Navigate today at [www.jblnavigate.com](http://www.jblnavigate.com). Fire service pump operators must have an understanding of the many laws of science that govern the study of hydraulics and water supply in order to be able to handle the complex hydraulic problems that may arise in real world scenarios. Based on the Fire and Emergency Services in Higher Education (FESHE) model curriculum for Fire Protection Hydraulics & Water Supply, the third edition of Fire Protection Hydraulics and Water Supply effectively teaches hydraulics by systematically addressing the underlying science in a way that makes challenging subject matter easier to understand and retain. Readers will be introduced to the basic properties of water and laws of hydraulics and friction loss before learning to apply formulas to calculate flow, friction loss, nozzle reaction, and more. Additionally, readers will progress to learn about: Complex principles of pump operation, including conditions such as end thrust and radial hydraulic balance, the application of Newton's first law of motion as it applies to a kinetic energy pump, and

the concept of Enthalpy. Various laws of physics, including Pascal's Principle, Bernoulli's Principle, and Newton's third law of motion as it applies to the concept of nozzle reaction. New and improved formulas for calculating gallons per minute, nozzle reaction, and more. Additionally, each chapter now includes: Fireground Fact boxes that provide real world context or additional information on important topics. Case studies that emphasize a law or principle presented in the text. Updated key terms, formulas, and end-of-chapter resources. ? Revision Notes Revised table 5-1 Table 5-1 has been revised to include C Factors for all common smooth bore tip sizes. The C Factors are necessary for the version of Freeman's Formula used in the book for calculating flow from a smooth bore nozzle. The version of Freeman's formula used in Fire Protection Hydraulics and Water Supply, Revised 3rd Ed is the same one used in Section 15, Chapter 3, of the 20th edition of the Fire Protection Handbook, which is the current Fire Protection Handbook. No other current book on fire service hydraulics uses this version of Freeman's Formula. All other hydraulic books used a dumbed down version of Freeman's Formula that doesn't use C Factors. The C Factors in table 5-1 are used throughout the remainder of this book whenever the flow from a smooth bore nozzle is needed to solve a problem.

Revised table 6-1 Table 6-1 contains Conversion Factors necessary when finding friction loss in various size hose. The revised Table 6-1 in Fire Protection Hydraulics and Water Supply, Revised 3rd Ed has added a third column with conversion factors to be used when calculating friction loss using the abbreviated formula, as explained in Chapter 6. The Conversion Factors from table 6-1 are used throughout the remainder of this book whenever FL 100 must be calculated.

The Second Edition of Exam Prep: Fire Department Apparatus Driver/Operator is designed to thoroughly prepare you for a Driver/Operator certification, promotion, or training examination by including the same type of multiple-choice questions you are likely to encounter on the actual exam. To help improve examination scores, this preparation guide follows Performance Training Systems, Inc.'s Systematic Approach to Examination Preparation. Exam Prep: Fire Apparatus Driver Operator, Second Edition is written by fire personnel explicitly for fire personnel, and all content has been verified with the latest reference materials and by a technical review committee. Benefits of the Systematic Approach to Examination Preparation include: Emphasizing areas of weakness Providing immediate feedback Learning material through context and

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association Exam Prep: Fire Department Apparatus Driver/Operator, Second Edition includes: Fire Apparatus Driver/Operator practice examinations Self-scoring guide with page references for further study Winning test-taking tips and helpful hints Coverage of NFPA 1002, Fire Apparatus Driver/Operator Professional Qualifications, 2009 Edition Drive to Survive Fire Officer Truck Company Fireground Operations NFPA's Illustrated Dictionary of Fire Service Terms Study Guide for the Second Edition of Pumping Apparatus Driver/operator Handbook

**This textbook matches the course outline and objectives identified by the National Fire Academy's Fire and Emergency Services Higher Education (FESHE) committee for the Building Construction for Fire Protection core course. This new 3rd edition provides the reader with basic instruction about how buildings are designed and constructed and how this relates to emergency operations. In addition to basic construction principles, a new emphasis is placed on firefighter safety, newer types of construction that may be difficult to identify, and green construction principles. This edition is illustrated with new drawings and photos, case histories that emphasize real-life safety principles, key terms, and review questions. Fire inspectors, preincident planners, fireground**

**commanders, investigators, and firefighters will all find useful and valuable information in this new edition.**

**Brannigan's Building Construction for the Fire Service, Fourth Edition is a must read for fire fighters, prospective fire fighters, and fire science students. This edition continues the Brannigan tradition of using plain language to describe technical information about different building types and their unique hazards. This text ensures that critical fire fighting information is easy-to-understand and gives valuable experience to fire fighters before stepping onto the fireground. The first edition of Building Construction for the Fire Service was published in 1971. Frank Brannigan was compelled to write the most comprehensive building construction text for the fire service so that he could save fire fighters' lives. His passion for detail and extensive practical experience helped him to develop the most popular text on the market. His motto of: "Know your buildings," informs every aspect of this new edition of the text. Listen to a Podcast with Brannigan's Building Construction for the Fire Service, Fourth Edition co-author Glenn Corbett to learn more about this training program! Glenn discusses his relationship with the late Frank Brannigan, the dangers of heavy construction timber, occupancy specific hazards, and other areas of emphasis within the Fourth Edition. To listen now, visit: [http://d2jw81rkebrcvk.cloudfront.net/assets multimedia/audio/Building\\_Construction.mp3](http://d2jw81rkebrcvk.cloudfront.net/assets multimedia/audio/Building_Construction.mp3).**

**Understanding hydraulics and pump operations doesn't have to be difficult, and it is of key importance to the science of fire engineering. Putting all the pieces together correctly so that the right stream is brought to the fire is essential to effective**

**fireground operations. In the second edition of Fire Service Hydraulics and Pump Operations, author Paul Spurgeon, engineer/pump operator with the Denver Fire Department, breaks down the sometimes difficult-to-understand formulas of hydraulics and pumps into easily learned steps, taking care to explain the hows and whys of each formula discussed. Using an in-the-street, practical approach, Spurgeon teaches readers how to develop proper fire streams as well as how they relate to overall fireground strategies. He covers hydraulics and pumps extensively—from the properties of water to its supply to pumping to sprinkler systems and foams. So readers can put what they've learned into practice, Spurgeon provides both end-of-chapter tests and practice sets at the end of the book, complete with answers so that readers can check their knowledge. The second edition includes numerous updates and additions, including the Rule of Thumb chapter that illustrates how to perform these complex calculations while under stress on the fireground. This text meets the learning objectives for FESHE Fire Protection Hydraulics and Water Supply course work.**

**Features and Benefits:**

- Summary of chapter formulas
- End-of-chapter tests with answers
- Practice sets with answers to further test your understanding

**Exam Prep for the Third Edition of Pumping and Aerial Apparatus Driver/operator Handbook**

**Building Construction Related to the Fire Service  
Fire Service Hydraulics & Pump Operations, 2nd Ed  
Fire Department Apparatus Driver Operator  
Aerial Apparatus Driver Operator Handbook**

*Airport Firefighters, Airport Driver Operators, and Airport Crew Chiefs will use this text to meet the most current NFPA, FARs, and ICAO requirements. The book includes: \* 31 Skill Sheets NEW in this edition \* Photos, Illustrations and Learning Activities - ALL NEW \* Review Questions for all 12 chapters \* Exam Prep for students is a separate item This book provides the information firefighters need to effectively perform the tasks for aircraft rescue and fire fighting and to complete airport firefighter certification. Content includes: \* Familiarization with civilian and military aircraft \* Airport familiarization \* Operating structural and specialized aircraft fire fighting apparatus and equipment \* Safety and aircraft Hazards \* Airport fire and rescue communications \* Rescue tools and equipment including gaining access to aircraft interiors \* Aircraft fuels, aircraft components and extinguishing agents \* Aircraft fire suppression and strategy and tactics including engines, auxiliary power units, wheel assemblies, and rocket engines \* ARFF vehicle driver operator \* Airport emergency planning \* The theory and practice of aircraft fire fighting and rescue operations The information in this manual is intended to meet the requirements of NFPA 1003: Standard for Airport Fire Fighter Professional Qualifications (2015) NFPA 1002: Standard on Fire Apparatus Driver/Operator Professional Qualifications (2014) Chapter 9 requirements are also included. NFPA 402: Guide for Aircraft Rescue and Fire-Fighting Operations (2013) and NFPA 403: Standard for Aircraft Rescue and Fire-Fighting Services at Airports*

*(2014) are referenced throughout the book. Federal Aviation Regulations (FARs) 139.315, 139.317, and the International Civil Aviation Organization (ICAO) Airport Services Manual, Parts 1 and 7 training requirements are also included. Complete IFSTA Curriculum is a separate item and provided by IFSTA at no cost to qualified instructors.*

*The Complete Fire Inspector I and II Training Solution! Fire inspectors need to know how to interpret and apply national and local codes and standards in the office and in the field. Fire Inspector: Principles and Practice is designed to prepare fire inspectors to ensure the highest standards of fire and life safety in their communities. The National Fire Protection Association (NFPA) and the International Association of Fire Chiefs (IAFC) are pleased to bring you Fire Inspector: Principles and Practice, a modern integrated teaching and learning system for the fire inspector. This textbook meets and exceeds the job performance requirements for level I and II fire inspectors from Chapters 4 and 5 of NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Examiner, 2009 Edition. Fire Inspector: Principles and Practice is built on a solid foundation of the basics: building construction, fire growth, and types of occupancies. This fundamental knowledge is presented in a concise, understandable writing style that is easy to digest and recall. The solid foundation of fire and building knowledge then branches out to show the fire inspector how abstract concepts and codes will be concretely*

*applied on a daily basis. This is the text that truly prepares fire inspectors for the real world.*

*The Art of Reading Buildings focuses on the practical art of reading a building and applying its positive and negative attributes in developing a size-up for fireground operations that center on structure fires. First-due company officers, incident commanders, and safety officers will appreciate the practical “street-wise” lessons captured in the book. Chief officers, training officers, engineers, firefighters, and fire science degree candidates will benefit from the wide range of building construction topics covered in this text. Features include:*

- Understand the technical and practical aspects of building construction*
- Learn on-the-spot building construction assessment using the authors’ custom Rapid Street-Read Guides*
- Develop a quick construction size-up for immediate application to fireground operations*
- Recognize firefighter traps in newer and alternative construction methods*
- This text covers objectives for the National Fire Academy’s Fire and Emergency Services in Higher Education (FESHE) Building Construction for Fire Protection course*

*Fire and Emergency Services Company Officer*  
*Fire and Emergency Services Instructor*  
*Pump, Aerial, Tiller, and Mobile Water Supply*  
*Fundamentals of Fire Fighter Skills*

### *Fire Department Safety Officer*

Pumping and Aerial Apparatus Driver/Operator Handbook, 3/e provides five additional chapters to the Pumping Apparatus Driver/Operator Handbook, 3/e. These chapters are devoted to driver/operators responsible for operating fire apparatus equipped with aerial devices. These include aerial ladders, aerial ladder platforms, articulating elevating platforms, telescoping elevating platforms, and water towers.

This textbook was developed as a joint project between the National Fallen Firefighters Foundation (NFFF) and Fire Protection Publications. It provides a detailed overview and implementation strategies for the 16 Fire Fighter Life Safety Initiatives that were developed by the NFFF at their landmark summit in 2004. Each of the chapters was written by a different highly-respected fire service subject matter expert on that topic. This text provides the information necessary to meet the FESHE courses Principles of Fire and Emergency Services Safety and Survival (associate degree level) and Advanced Principles in Fire and Emergency Services Safety and Survival (bachelor degree level). FSTA NEW Editions Streamline Driver/Operator Training The new editions of these bestselling IFSTA fire apparatus driver/operator training materials mark a new approach to training driver/operators. Previously, IFSTA published two separate manuals with student and instructor support materials: Pumping Apparatus Driver/Operator Handbook and Aerial Apparatus Driver/Operator Handbook. Fire departments with both types of apparatus needed two manuals, two curriculum and driver/operator trainees needed two

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exam preps to study for tests. The release of the 3rd edition of these manuals streamlines the IFSTA training resources. The Pumping Apparatus Driver/Operator Handbook, 3rd Edition covers pumping apparatus only, the second book in the pair, Pumping and Aerial Apparatus Driver/Operator Handbook, 3rd Edition contains the same 15 chapters as the pumping apparatus textbook, plus an additional 5 chapters relevant to aerial apparatus. Personnel on departments that operate both types of apparatus now only need one manual and one curriculum for training. Students only need one exam prep to prepare for testing. If a fire department does not use aerial apparatus, they use the Pumping Apparatus Driver/Operator Handbook, 3rd Edition and omit the aerial sections of the curriculum and exam prep which include all 20 chapters. Chapters 2 and 3 are especially beneficial for all driver/operators: Inspection and Maintenance and Safety and Operating Emergency Vehicles. Pumping Apparatus Driver/Operator Handbook, 3rd edition Skill Sheets now included in the manual Key Terms added The new Fire Apparatus Manufacturer's Association (FAMA) standardized safety signs for fire apparatus are highlighted Hydraulic calculations presented in a logical sequence making teaching and learning easier Customary and metric calculations in one chapter NEW case histories introduce each chapter NFPA® 1002 JPR Correlation Matrix Arabic edition of Pumping Apparatus Driver/ Operator Handbook, 3rd Edition now available.

Visit <http://www.afssac.edu.sa/arhome/arabic.pado> for ordering instructions.

Fire Department Apparatus Driver/Operator

Léopold Sédar Senghor : son oeuvre, les peintres - graveurs et le poète  
Test Preparation Guide for Pumping Apparatus Driver/operator Handbook  
Standard for the Inspection, Maintenance, Testing, and Retirement of In-service  
Emergency Vehicles, 2017

Based on the Ifsta First Edition

This outstanding text presents complete coverage of truck company operational procedures. Truck Company Fireground Operations describes procedures for working structural fires, and helps you train responders on rescue, ventilation, forcible entry, salvage, and more! Drive to Survive: The Art of Wheeling the Rig provides an in-depth examination of fire apparatus vehicle dynamics. This is not your average "driver training" textbook. Fire apparatus operators must understand how a vehicle maneuvers at roadway speed, and more importantly...why does it crash? Just as a doctor cannot heal the human body without a thorough understanding of anatomy and physiology, an emergency vehicle operator cannot safely drive a fire apparatus without an in-depth knowledge of vehicle dynamics. Drive to Survive fills in the gaps between vehicle dynamics and crash causation. After 15 years of training and research, Chris Daly developed a training program combining his fire service and crash reconstruction training experience. Fire apparatus operators will learn the limits of driving an emergency vehicle and will understand that no matter how long they have been driving or how good they think they are, at some point physics will take over and the vehicle will lose control. Drive to Survive goes beyond talking about pump operations, aerial operations, and preventative maintenance. We can reduce the number of emergency vehicle crashes

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throughout the world by addressing key issues and providing emergency vehicle operations course (EVOC) instructors with methods to convey these concepts. Concepts you learn in this book relate to more than just driving a fire apparatus. These principles apply to anyone who drives a vehicle, including your family members and loved ones.

Tankers account for the largest number of firefighter crash deaths of all types of fire department vehicles. This report examines the various causal factors that have been identified as problematic for tankers and their drivers.

Essentials of Fire Fighting and Fire Department Operations

Interactive Study Guide for Pumping Apparatus Driver/Operator Handbook

The Art of Reading Buildings

Fire Apparatus Driver/Operator

Responding to Routine Emergencies

***Learn to safely and effectively drive and operate an apparatus with fire pumps with the new Fire Service Pump Operator: Principles and Practice! This text is the core of a complete teaching and learning system that thoroughly supports instructors and prepares students for the job. The text includes up-to-date coverage the 2009 Edition of NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications. This text provides a thorough understanding of the types of fire apparatus equipped with pumps, how to safely drive them, and how to properly maintain these vehicles through inspection and testing programs. Students will also learn how to operate fire pumps by gaining***

*an understanding of water supply, nozzles and flow rates, optimal positioning, and more.*

*"Not validated test questions and are not intended to be duplicated or used for certification or promotional examinations"--P. ii.*

*This new IFSTA manual details the training required of Company Officers according to NFPA® 1021, Standard for Fire Officer Professional Qualifications, 2014 Edition. The manual is divided into two sections to make a clear distinction between the information needed for Fire Officer Level I and Fire Officer Level II. Both print and eBook formats are available. There is no shortage of issues that a company officer might face in the everyday operation of a fire company or unit. This manual addresses the wide range of topics and issues encountered by a company officer, from leadership and supervision to health and safety issues. Great attention was given to focus on the job performance requirements of NFPA® 1021. The fifth edition of Fire and Emergency Services Company Officer builds on the previous edition of the manual while presenting the material in a more concise manner to make it easier for students to read and instructors to teach. By merging related topics, the number of chapters was reduced from 32 in the fourth edition to 17 in the new manual while preserving the material related to the NFPA® standard. The number of appendices was reduced from 20 to 4 by removing information that can be found in other media. Along with reducing the*

***volume of material from the fourth edition, the fifth edition of Fire and Emergency Services Company Officer offers several new features. The manual features a new look with IFSTA's single-column format and upgraded and updated curriculum components. Learning activities are included to help instructors present the material to their students. Case Histories open each chapter to illustrate important lessons learned in the real world. Photographs, illustrations, and tables are included throughout the manual to illustrate key points and improve the overall instructional value of the material.***

***Pumping Apparatus Driver/operator Handbook Curriculum***

***The Art of Wheeling the Rig***

***Principles and Practice***

***Pumping Apparatus Driver/operator Handbook***

***Pumping Apparatus***

*The National Fire Protection Association (NFPA) and Jones & Bartlett Learning are pleased to bring you the fourth edition of Engine Company Fireground Operations. This expanded edition incorporates the latest recommendations from UL and the National Institute of Standards and Technology (NIST) into every aspect of fire attack and ventilation and presents an extensive study of engine company fire ground operations. This new edition is an ideal resource for fire service personnel preparing for promotion or studying for a civil service examination.*

*Firefighters and company officers will gain knowledge in fire science, building construction, and the effects of burning modern fuels that result in extreme fire behavior. Specific features*

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*include: Detailed illustrations that show the tactics and approaches described in each chapter  
Case studies of strategies and tactics that resulted in firefighter line of duty deaths, as well as those that were successful, incorporated into the recommended practices of engine company  
fire attack, rescue, and ventilation Detailed information on size-up that applies risk  
management principles to the Value-Time-Size method, which considers survivability profiling  
and threshold limits, identifying problems, selecting strategies and tactics, developing a quick  
incident action plan, and applying a functional accountability system for safety A significant  
emphasis on attacking residential and commercial basement fires A one-of-its-kind chapter on  
fireground operations and responsibilities for company level high-rise firefighting, with special  
attention paid to fire behavior within high-rise buildings In-depth coverage of all the basic  
engine company responsibilities, including: Equipment Initial hose lays and water supplies The  
deployment of attack, back-up, and exposure hose lines Rapid intervention teams Search and  
rescue Master streams Fire protection systems Standpipe operations Salvage and overhaul  
Pumping Apparatus Driver/Operator Handbook Pumping Apparatus Driver/Operator  
Handbook Prentice Hall*

*Illustrated dictionary features approximately 4,000 firefighting, fire safety and electrical terms  
and their definitions. Special features of this dictionary include reference to NFPA code of  
origin following each definition, a complete listing of NFPA's standards and common firefighting  
acronyms.*

*NFPA 1911*

*Driver Operator's Handbook*

*Understanding and Implementing the 16 Firefighter Life Safety Initiatives*

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*Engine Company Fireground Operations*

*L'Image réciproque*

Designed to thoroughly prepare you for a Fire Department Safety Officer certification promotion, or training examination.

Aircraft Rescue and Firefighting

Exam Prep