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## **KEY=STUDY - JAYLEN ZOE**

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### **HAZARDOUS MATERIALS AWARENESS AND OPERATIONS**

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**Jones & Bartlett Learning** *A fire fighter's ability to recognize an incident involving hazardous materials is critical. They must possess the knowledge required to identify the presence of hazardous materials and weapons of mass destruction (WMD), and have an understanding of what their role is within the response plan. Hazardous Materials Awareness and Operations will provide fire fighters and first responders with these skills and enable them to keep themselves and others safe while mitigating these potentially deadly incidents. Hazardous Materials Awareness and Operations is the center of an integrated teaching and learning system that combines groundbreaking content with dynamic new features to support instructors and to help prepare students for the job. The text meets and exceeds the requirements for Fire Fighter I and II certification and satisfies the core competencies for operations level responders including the eight mission-specific responsibilities for first responders within the 2008 Edition of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. Additionally, the material presented also exceeds the hazardous materials response requirements of the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA). Hazardous Materials Awareness and Operations provides in-depth coverage of: the properties and effects of hazardous materials and WMDs; how to calculate potential danger and initiate a response plan; selection, use, advantages, and disadvantages of personal protective equipment; performing mass and technical decontamination; performing evidence preservation and sampling; performing product control. Performing air monitoring and sampling; performing victim rescue and recovery; and responding to illicit laboratory incidents. Listen to a Podcast with Hazardous Materials Awareness and Operations author Rob Schnepf to learn more about this training program! Rob discusses the NFPA 472 standard, changes in responder training operations, and the importance of writing a "street smart" textbook. To listen now, visit: <http://d2jw81rkebrcvk.cloudfront.net/assets/multimedia/audio/HazMat.mp3>.*

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### **HAZARDOUS MATERIALS TECHNICIAN**

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### **2016 EMERGENCY RESPONSE GUIDEBOOK**

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**Createspace Independent Publishing Platform** *The ERG is the ideal guide to help when responding to transportation emergencies involving hazardous materials. It is a must-have for everyone who handles and transports dangerous goods and hazmat. This guide helps your company comply with the DOT 49 CFR 172.602 requirement that hazmat shipments be accompanied with emergency response information. The Emergency Response Guidebook is updated every 4 years - Don't be caught with the outdated 2012 ERG*

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### **ESSENTIALS OF FIRE FIGHTING AND FIRE DEPARTMENT OPERATIONS**

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**Pearson** *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.*

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## FIRE OFFICER

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### PRINCIPLES AND PRACTICE

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**Jones & Bartlett Publishers** 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.

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### HAZARDOUS MATERIALS INCIDENTS

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**Cengage Learning** Marked by its risk-based response philosophy, Hazardous Materials Incidents is an invaluable procedural manual and all-inclusive information resource for emergency services professionals faced with the challenge of responding swiftly and effectively to hazardous materials and terrorism incidents. Easy-to-read and perfect for use in HazMat awareness, operations, and technician-level training courses, this "Operations Plus" book begins by acquainting readers with current laws and regulations, including those governing emergency planning and workplace safety. Subsequent chapters provide in-depth information about personal protective equipment and its limitations; protective actions ranging from site management and rescue through evacuation and decontamination; product control including the use of carbon monoxide detectors; responses to terrorism and terrorist groups; law enforcement activities such as SWAT operations and evidence collection; and more! A key resource for every fire, police, EMS, and industrial responder, Hazardous Materials Incidents is one of the few books available today that is modeled on current ways of thinking about HazMat and terrorism responses and operations.

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### NFPA 1001 STANDARD FOR FIRE FIGHTER PROFESSIONAL QUALIFICATIONS

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### FUNDAMENTALS OF FIRE FIGHTER SKILLS

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**Jones & Bartlett Publishers**

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### HAZARDOUS MATERIALS: MANAGING THE INCIDENT

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**Jones & Bartlett Publishers** A Complete Training Solution for Hazardous Materials Technicians and Incident Commanders! In 1982, the authors Mike Hildebrand and Greg Noll, along with Jimmy Yvorra, first introduced the concept of the Eight-Step Process© for managing hazardous materials incidents when their highly regarded manual, Hazardous Materials: Managing the Incident was published. Now in its Fourth Edition, this text is widely used by fire fighters, hazmat teams, bomb squads, industrial emergency response teams, and other emergency responders who may manage unplanned hazardous materials incidents. As a result of changing government regulations and consensus standards, as well as the need for terrorism response training, Mr. Noll and Mr. Hildebrand have modified and refined their process of managing hazmat incidents and added enhanced content, tips, case studies, and detailed charts and tables. The Fourth Edition contains comprehensive content covering: • Hazard assessment and risk evaluation • Identifying the problem and implementing the response plan • Hazardous materials properties and effects • Identifying and coordinating resources • Decontamination procedures • The Eight-Step Process© • Personal protective equipment selection • Procedures for terminating the incident The Fourth Edition's dynamic features include: • Knowledge and Skills Objectives

correlated to the 2013 Edition of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents • ProBoard Assessment Methodology Matrices for the Hazardous Materials Technician and Hazardous Materials Incident Commander levels • Correlation matrix to the National Fire Academy's Fire and Emergency Services Higher Education (FESHE) Bachelor's (Non- Core) Managerial Issues in Hazardous Materials Course Objectives • Realistic, detailed case studies • Practical, step-by-step skill drills • Important hazardous materials technician and safety tips

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## **ESSENTIALS OF FIRE FIGHTING**

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For courses in the essentials of fire fighting. Foundations for success in professional fire fighting Essentials of Fire Fighting and Fire Department Operations continues the tradition of excellence in firefighter education. It meets all the requirements of Fire Fighter I and II levels of NFPA 1001®, NFPA 472®, and OSHA 1910.120. The 7th edition offers a complete support package, including skill sheets, knot and rope requirements, and coverage of essential job tasks related to medical requirements of NFPA 1582®.

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## **FIRE DEPARTMENT INCIDENT SAFETY OFFICER**

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**Jones & Bartlett Publishers** The third edition of Fire Department Incident Safety Officer has been thoroughly updated to cover the latest trends, information, and best-practices needed by current and aspiring Incident Safety Officers (ISO's). Developed in partnership with the Fire Department Safety Officer's Association and based on the 2015 Edition of NFPA 1521, Standard for Fire Department Safety Officer Professional Qualifications, this authoritative resource focuses uniquely on the roles, responsibilities, and duties for fire service officers assigned to the incident command staff position of safety officer. From smoke reading to alternative energy sources to green construction buildings, Fire Department Incident Safety Officer, Third Edition is loaded with up-to-date information needed to keep fire department members safe, including: A new chapter dedicated to the Incident Safety Officer at Training Drills and Special Events Entire chapters devoted to important topics like reading smoke, reading buildings,

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## **ACRONYMS ABBREVIATIONS & TERMS - A CAPABILITY ASSURANCE JOB AID**

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**FEMA** The FAAT List is not designed to be an authoritative source, merely a handy reference. Inclusion recognizes terminology existence, not legitimacy. Entries known to be obsolete are included because they may still appear in extant publications and correspondence.

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## **FIRE DEPARTMENT SPECIAL OPERATIONS**

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**Fire Engineering Books** Ray Downey wrote the first edition of The Rescue Company in the early 1990s. Building on Downey's legacy, John Norman has written Fire Department Special Operations to take into consideration the earth-shattering events, funding increases, research advances, expanded capabilities, and changes in regulations and standards that have widened the knowledge gap since the publication of Chief Downey's book. Fire Department Special Operations is an excellent guide for agencies and individuals in establishing, staffing, operating, and maintaining heavy rescue units in the many forms they may take. It is also an ideal training resource for the officers and individuals assigned the duties that a rescue firefighter must accomplish.

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## **2008 EMERGENCY RESPONSE GUIDEBOOK**

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### **A GUIDEBOOK FOR FIRST RESPONDERS DURING THE INITIAL PHASE OF A DANGEROUS GOODS/HAZARDOUS MATERIALS INCIDENT**

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"The Emergency Response Guidebook (ERG2008) was developed jointly by the US Department of Transportation, Transport Canada, and the Secretariat of Communications and Transportation of Mexico (SCT) for use by firefighters, police, and other emergency services personnel who may be the first to arrive at the scene of a transportation incident involving a hazardous material. It is primarily a guide to aid first responders in (1) quickly identifying the specific or generic classification of the material(s) involved in the incident, and (2) protecting themselves and the general public during this initial response phase of the incident"--Home page of source document on the Internet.

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## **BRANNIGAN'S BUILDING CONSTRUCTION FOR THE FIRE SERVICE**

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**Jones & Bartlett Publishers** 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).

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## **CHIEF OFFICER: PRINCIPLES AND PRACTICE**

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**Jones & Bartlett Publishers** The Complete Fire Officer III and IV Training Solution! Chief officers need to know how to make the transition from company officer to chief officer. Chief Officer: Principles and Practice is designed to help make the transition from company officer to chief officer a smooth evolution. Covering the entire scope of Levels III and IV from the 2009 Edition of NFPA 1021, Standard for Fire Officer Professional Qualifications, Chief Officer combines current content with dynamic features and interactive technology to better support instructors and to help prepare future chief officers to become problem-solving leaders for their organizations. Chief Officer: Principles and Practice has a clear focus on instilling fire fighter safety throughout an organization's culture. Reducing fire fighter injuries and deaths requires the dedicated efforts of every fire fighter, fire officer, and fire department. The entire fire community must work together to achieve one common goal: to ensure that everyone goes home. Chief officers therefore set the tone for safety in their organization, and this textbook embraces that philosophy. It is with this goal in mind that the 16 Firefighter Life Safety Initiatives, developed by the National Fallen Firefighters Foundation, are integrated throughout the text. The features in this textbook will help students take that extra step toward becoming outstanding chief officers. These features include: • Scenario-Based Learning. You Are the Chief Officer and Chief Officer in Action are found in each chapter to encourage and foster critical thinking skills. • Practical Tips for the Chief Officer. Chief Officer Tips and Voices of Experience essays are integrated into each chapter to provide helpful advice from experienced chief officers. • Level IV Job Performance Requirements. Fire Officer Level IV content is highlighted to discern Level III JPRs from Level IV. • Walk the Talk. Additional activities encourage students to take what they have learned in the chapter and apply it to their own department.

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## **B-SHIFTER: A FIREFIGHTER'S MEMOIR**

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**Across the Street Prod.** Brunacini makes the observation that fire departments more closely resemble cults or severely dysfunctional families than a regular workforce. He brings the reader into the closed world of fire station life and the wide range of personalities that a fire station houses.

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## **ACCREDITATION IN FIRE TRAINING AND EDUCATION**

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### **FEMA**

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### **HAZARD CLASS 2**

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### **GASES**

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**Delmar Pub** This program contains a review of basic chemistry, and an in-depth clarification of US/DOTs #49CFR and its criteria of flammable vs non-flammable gases.

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## **AIRCRAFT RESCUE AND FIREFIGHTING**

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**Prentice Hall** 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.

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## STRUCTURAL FIRE FIGHTING

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### INITIAL RESPONSE

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**Pearson** The 1st edition of *Structural Fire Fighting: Initial Strategy and Tactics* is intended to provide fire personnel with the knowledge needed to deploy resources in the first 10 minutes of any structural fire incident. The manual is designed to help the reader develop a logical decision-making process for determining incident priorities, strategies, and tactics regardless of the available resources or configuration of the emergency services organization. Scenarios for residential, commercial, and special hazard incidents are included with recommended best practices and considerations. Training officers can use these scenarios, modified to local resources and realities, to develop classroom discussions or field simulations. This manual is a companion to *Structural Fire Fighting: Truck Company Skills and Tactics*, 2nd edition and the soon to be released *Structural Fire Fighting: High Rise Fire Fighting*. Each chapter of the manual contains learning objectives, key terms, and review questions to assist the reader in understanding the material.

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### NAERG

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### TRAFFIC INCIDENT MANAGEMENT SYSTEMS

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### FA-330

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**FEMA** This report was developed through a cooperative agreement between the USFA and the International Fire service Training Association (IFSTA) at Oklahoma State University (OSU).

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### EXPLOSIVES INCIDENTS

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### ANNUAL REPORT BY THE BUREAU OF ALCOHOL TOBACCO & FIREARMS

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### HEALTH AND SAFETY OFFICER

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### STUDENT MANUAL

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### GROUND COVER FIRE FIGHTING FOR STRUCTURAL FIREFIGHTERS

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### FIRE DEPARTMENT OCCUPATIONAL SAFETY

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International Fire Service Training Assn

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### FIRE AND EMERGENCY SERVICES INSTRUCTOR

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### FIRE AND EMERGENCY SERVICES COMPANY OFFICER

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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.

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## **NFPA 1021, STANDARD FOR FIRE OFFICER PROFESSIONAL QUALIFICATIONS**

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### **FIREFIGHTER EXAM**

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**Learning Express Llc** Test-preparation guide helps individuals achieve top exam scores to qualify for a career as a firefighter. Offers targeted practice on crucial verbal, math, table, memory, map reading, and logic questions, as well as advice for optimum physical and mental preparation. Includes a detailed, realistic study plan, insider's advice on the physical fitness test and the oral interview.

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### **QUALITY IMPROVEMENT FOR THE FIRE AND EMERGENCY SERVICES**

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This book provides the process and model for fire departments seeking accredited status through the Center for Public Safety Excellence and Commission on Fire Accreditation International.

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### **THE LEADERSHIP MACHINE**

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### **ARCHITECTURE TO DEVELOP LEADERS FOR ANY FUTURE**

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**Lominger Limited Incorporated** The Leadership Machine describes the four fundamentals of management and leadership development:- The competencies/skills that matter for leading in new and different situations - How skills are developed - Who is best equipped to learn these skills - What it takes to make development work.

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### **HAZARDOUS MATERIALS**

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### **REGULATIONS, RESPONSE AND SITE OPERATIONS**

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**Delmar Pub** First ed. published: Albany: Delmar Publishers, c1999. Hazardous materials: regulations, response, and site operations / Rob Schnepf, Paul Gantt.

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### **SKILL DECAY**

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### **A COMPARATIVE ASSESSMENT OF TRAINING PROTOCOLS AND INDIVIDUAL DIFFERENCES IN THE LOSS AND REACQUISITION OF COMPLEX SKILLS**

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It has been consistently demonstrated that the active interlocked modeling (AIM) protocol, a dyadic training protocol developed by Shebilske, Regian, Arthur, and Jordan (1992), achieves a 100% increase in training efficiency over a control individual-trainee based condition. The purpose of the present study was to replicate this finding as well as to investigate its robustness in terms of skill loss and reacquisition. Thus, we compared the AIM- dyad training protocol to a standard individual protocol regarding the acquisition of a complex skill (i.e., Space Fortress: cf Mane & Donchin 1989). More importantly, skill loss after an 8-week non-practice interval and skill re- acquisition was also investigated. Despite half as much hands-on practice, the performance of dyadic trainees did not differ from that of individuals on tests of skill acquisition. loss and re-acquisition. These findings provide strong support and justification for the ongoing use of innovative dyadic protocols for the training of pilots and navigators in both military an non-military settings.