

Subject Report

NFPA 1001 Level I (Professional Firefighting)

S100

FFTS-100S

Emergency Medical Care

Define the principles of infection control and universal blood and body fluid precautions as prescribed for public safety workers by the Centres for Disease Control in Guidelines for prevention of Transmission of Human Immunodeficiency Virus and Hepatitis B Virus to Health-Care Public Safety Workers.

Demonstrate the use, decontamination, disinfection, and disposal of personal protective equipment used for protection from infection.

Perform the following procedures as defined in the Journal of the American Medical Association, "Standards and Guidelines for Cardiopulmonary Resuscitation (CPR) and Emergency Cardiac Care (ECG)":

- (a) Single-rescuer CPR
 - 1. Adult
 - 2. Child
 - 3. Infant
- (b) Two-rescuer CPR on an adult
- (c) Management of an obstructed airway
 - 1. Conscious and unconscious adult
 - 2. Conscious and unconscious child
 - 3. Conscious and unconscious infant

Demonstrate the use of a resuscitation mask in the performance of single- and two-rescuer CPR.

Demonstrate a primary survey for life threatening injuries.

Identify 3 types of external bleeding and the characteristics of each type.

Demonstrate 3 procedures for controlling external bleeding.

Identify characteristics and emergency medical care of thermal burns according to degree and severity.

Identify the emergency medical care for chemical burns, including chemical burns of the eyes.

Identify the symptoms and demonstrate emergency medical care of traumatic shock.

Identify the symptoms and demonstrate emergency medical care for ingested poisons and drug overdoses.

Identify the method of contacting the poison control centre that serves the local jurisdiction.

Certification: 0.00 **Re Certification:** 0.00
S200

1001-32

Fire Alarm and Communication

Through theory and practical components learn to make use of and demonstrate proficiency in the fire etc. standard operating procedures for initiating

Subject Report Continued

and receiving emergency reports; receiving and relaying business and personal telephone information; and transmitting, receiving and relaying messages via fire department radio. (NFPA 1001-52)

Certification:
999-1T

0.00 **Re Certification:** 0.00

Building Construction

In this theory module learn to recognize different types of building materials, including wood, concrete, steel, masonry and plastic. You will also become familiar with their burning characteristics and the impact they have on fire behaviour, including the spread of fire.

Certification:
999-2T

0.00 **Re Certification:** 0.00

Building Construction II

In this theory module learn to recognize different types of building features including beams, columns, arches, floor systems, trusses, walls, ceilings, roofs and foundations. Also learn their capacity to carry and transfer loads, ability to handle changes in load, burning characteristics, how they are most likely to fail and the impact they have on fire behaviour including the spread of fire.

Certification:
999-3T

0.00 **Re Certification:** 0.00

Building Construction III

In this theory module learn to recognize different construction types including fire-resistant, noncombustible, ordinary, heavy timber and wood frame. Also learn their burning characteristics and the impact they have on fire behaviour including the spread of fire.

Certification:
S300

0.00 **Re Certification:** 0.00

Certification:
1001-31

0.00 **Re Certification:** 0.00

General Knowledge and Skills I

Through theory and practical components learn to define the mission of the fire service and explain the function of its standard operating procedures (SOP), explain the necessity for its rules and regulations, and briefly recount its history, terminology and organization. You will be able to demonstrate basic skills such as promptly putting on and taking off personal protective clothing within one minute and using rope, knots and hitches to support response activities. (NFPA 1001-51)

Certification:
1001-33.1

0.00 **Re Certification:** 0.00

SCBA

Through theory and practical components learn to properly don and activate SCBA within one minute during a simulated emergency operation, use proper controlled breathing techniques and enact emergency procedures if SCBA fails. Also learn to recognize all low-air warnings, how not to compromise respiratory protection and how to exit all hazardous areas before air depletion. (NFPA 1001-53.1)

Certification:
1001-33.4

0.00 **Re Certification:** 0.00

Exiting a Hazardous Area

Through theory and practical components learn how

Subject Report Continued

to perform as a team member while exiting a visionobscured area, so that you find a safe haven before exhausting the air supply, others are not endangered and team integrity is maintained. (NFPA 1001-53.5
0.00 **Re Certification:** 0.00

Certification:
1001-33.8

Structural Search and Rescue

Through theory and practical components learn how to conduct a search and rescue in a structure and operate as a member of a team. You will be given a simulation assignment that includes obscured vision, personal protective equipment, a flashlight, forcible entry tools, hose lines, and ladders. You'll correctly place ladder, search all assigned areas, locate and remove all victims, maintain team integrity and team members' safety including not compromising respiratory protection. (NFPA 1001-53.9)

Certification:
1001-35.3

0.00 **Re Certification:** 0.00

Equipment Cleaning and Checking

Through theory and practical components learn how to clean and check ladders, ventilation equipment, self-contained breathing apparatus, ropes, salvage equipment and hand tools. In a simulation assignment, you'll be given tools for cleaning, cleaning supplies and be required to clean and maintain equipment according to manufacturer's or departmental guidelines, record maintenance, and place equipment in a ready state or reported otherwise. (NFPA 1001-55.3)

Certification:
S400

0.00 **Re Certification:** 0.00

1001-33.9

Interior Structure Fire - Simulated

Note: The following module description is verbatim from the NFPA 1001 (1997) Standard. Any reference made to fire area is only simulation and not a live fire scenario. This module contains theory and practical components, you will understand how to attack an interior structure fire operating as a member of a team, given an attack line, ladders when needed, personal protective equipment, tools, and a simulation assignment, so that team integrity is maintained, the attack line is properly deployed for advancement, ladders are correctly placed when in use, access is gained into the fire area, effective water application practices are used, the fire is approached safely, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, the correct body posture is maintained, hazards are avoided or managed, and the fire is brought under control. (NFPA 1001-53.10)

Certification:
1001-35.4

0.00 **Re Certification:** 0.00

Hose Cleaning Inspection

Through theory and practical components learn to maintain and inspect fire hose. Given washing equipment, water, detergent, tools and replacement gaskets, clean the host, note and correct damage and place equipment in a ready state for service. (NFPA 1001-55.4)

Certification:

0.00 **Re Certification:** 0.00

Subject Report Continued

1001-45.3

Perform an Annual Service Test on Fire Hose

Through theory and practical components learn to perform a simulated annual service test on a fire hose when given a pump, a marking device, pressure gauges, a timer, record sheets, and related equipment. Follow procedures to evaluate the condition of the hose, remove any damaged hose service, and record the results. (NFPA 1001-65.3)

Certification: 0.00 **Re Certification:** 0.00

1001-45.4

Fire Hydrant Flow Testing

Through theory and practical components learn to test the operating capability of and flow from a fire hydrant. Given a Pitot tube, pressure gauge and other necessary tools, insure the hydrant ready and the flow of water from the hydrant can be calculated and recorded. (NFPA 1001-65.4)

Certification: 0.00 **Re Certification:** 0.00

S500

1001-33.10

Horizontal Ventilation

Through theory and practical components learn how to perform horizontal ventilation on a structure and operate as part of a team. In a simulation assignment, use personal protective equipment, ventilation tools and ladders so ventilation openings are free of obstructions. Use tool safety, ladders properly and properly place ventilation devices so the structure is cleared of smoke. (NFPA 1001-53.11)

Certification: 0.00 **Re Certification:** 0.00

1001-33.11

Vertical Ventilation

Through theory and practical components learn how to perform vertical ventilation on a structure and operate as part of a team. In a simulation assignment use personal protective equipment, properly positioned ground and roof ladders for ventilation, and use tools creating a sufficient opening, removing all ventilation barriers, and maintaining structural integrity so products of combustion are released from the structure, and the team retreats from the area when ventilation is complete. (NFPA 1001-53.12)

Certification: 0.00 **Re Certification:** 0.00

1001-33.12

Overhaul a Fire Scene

Through theory and practical components learn how to overhaul a fire scene. In a simulation assignment you'll be given personal protective equipment and will use attack line, hand tools, a flashlight to extinguish a fire while maintaining structural integrity is not compromised, discovering all hidden and preserving fire cause evidence. (NFPA 1001-53.13)

Certification: 0.00 **Re Certification:** 0.00

1001-33.13

Property Salvage

Through theory and practical components learn how to conserve property as a member of a team. In a simulation assignment you'll use salvage tools and equipment so building and contents are protected from further damage. (NFPA 1001-53.14)

Certification: 0.00 **Re Certification:** 0.00

1001-33.16

Emergency Scene Illumination

Subject Report Continued

Through theory and practical components learn how to illuminate a simulated emergency scene. In a simulation assignment you'll use fire service electrical equipment to illuminate a designated areas and all equipment is operated within the manufacturer's listed safety precautions. (NFPA 1001-53.17)

Certification: 0.00 **Re Certification:** 0.00
1001-33.17 **Utilities Shutdown**

Through theory and practical components learn how to turn off utilities safely. (NFPA 1001-53.18)

Certification: 0.00 **Re Certification:** 0.00
1001-33.3 **Forcible Entry**

Through theory and practical components learn to identify the basic construction of typical types of doors, locks, windows and walls; describe how their mechanical parts function; and, identify the hazards associated with forcing entry through doors, windows or walls; and, understand how to transport and use hand and power tools to force entry through doors, windows and walls. (NFPA 1001-53.4)

Certification: 0.00 **Re Certification:** 0.00
1001-33.5 **Ground Ladders**

Through theory and practical components learn how to set up ground ladders. Your assignment is a simulation with team members given single and extension ladders. You'll assess hazards, stabilize the ladder at the proper climbing angle, extend extension ladders to the proper height with the fly locked and place the top against a reliable structural component

Certification: 0.00 **Re Certification:** 0.00
1001-53.3 **Operating at an Emergency Scene**

Through theory and practical components learn to use personal protective clothing (PPC), deploy traffic and scene-control devices, dismount apparatus and operate in a protected work areas as directed.

Certification: 0.00 **Re Certification:** 0.00
S600

1001-33.14 **Water Supplies**

Through theory and practical components learn to connect a fire department pumper to a water supply. As a member of a team use a supply or intake hose, hose tools and a fire hydrant or static water source so that connections are tight and water flow is unobstructed. (NFPA 1001-53.15)

Certification: 0.00 **Re Certification:** 0.00
1001-33.2 **Responding on Apparatus**

Through theory and practical components learn how to respond to an emergency on apparatus and ensure that seatbelts are used while the vehicle is in motion. (NFPA 1001-53.2)

Certification: 0.00 **Re Certification:** 0.00
1002-22 **Fire Apparatus“Preventative Maintenance**

Through theory and practical components learn how to perform and document routine tests, inspections and servicing functions on systems and components, such as the battery, braking system, coolant system, electrical system, fuel, hydraulic fluids,

Subject Report Continued

oil, tires, steering system, belts, tools, appliances and equipment. Given a fire department vehicle, its manufacturer's specifications and the appropriate maintenance and inspection forms, you'll be able to verify and report the vehicle's operational status. (1002-42)

Certification:
1002-23

0.00 **Re Certification:** 0.00

Driving“Operating Fire Apparatus

Through theory and practical components learn how to safely operate a fire department vehicle in compliance with all applicable provincial and local laws, departmental rules and regulations and standards. In the practical assignment you drive a vehicle on a predetermined route on a public way that incorporates a variety of maneuvers and features you can expect to encounter during normal operations. (1002-43)

Certification:
1002-31 & 32

0.00 **Re Certification:** 0.00

**Apparatus Equipped
with an Attack or Fire Pump**

Through theory and practical components learn how to perform routine test inspections and servicing on water tanks, pumping systems and foam systems. In the practical assignment you'll use a fire department pumper and its manufacturer's specifications to produce effective hand or master streams given an internal tank, pressurized source, static source and transfer from internal tank to external source with the pump safely engaged, all control and safety devices set, the rated flow achieved and maintained, and the apparatus monitored for potential problems. (1002-51 & 52)

Certification:
S700

0.00 **Re Certification:** 0.00

1001-33.18

Wildland Fires

Through theory and practical components learn how to combat a simulated wildland fire as a member of a team. Use protective clothing, SCBA if needed, hose lines, extinguishers or hand tools in simulation assignment. Also report threats to property, recognize threats to personal safety, quickly retreat is needed to complete the assignment. (NFPA 1001-53.19)

Certification:
1001-33.6

0.00 **Re Certification:** 0.00

Vehicle Fires

Through theory and practical components learn how to attack a simulated passenger vehicle fire as a team member. Use personal protective equipment, attack lines and hand tools to extinguish the fire avoiding hazards, identifying and controlling any leaked flammable liquids, overhauling all vehicle compartment and maintaining protection from flash fires. (NFPA 1001-53.7)

Certification:
1001-33.7

0.00 **Re Certification:** 0.00

Class A Structural Fire

Through theory and practical components learn how to extinguish exterior Class A materials fires. This includes stacked or piled and small unattached structures or storage containers that can be fought

Subject Report Continued

from the exterior. In a simulation, use attack lines, hand tools and master stream devices to extinguish the fire so that exposures are protected, the spread of fire is stopped, collapse hazards are avoided, water application is effective, and signs of the origin area(s) and arson are preserved. (NFPA 1001-53.8)

Certification:
1001-33.9

0.00 **Re Certification:** 0.00

Interior Structure Fire“Live Fire

This is the practical component of the Interior Structure Fire module in FFTS-S400. (NFPA 1001-53.10)

Certification:
1001-43.2

0.00 **Re Certification:** 0.00

Co-ordinate an Interior Attack Line

Through theory and practical components learn how to co-ordinate an interior attack line team using attack lines, personnel, personal protective equipment and tools. A simulation assignment requires establishing crew integrity; selecting attack techniques for the given level of fire; communicating those techniques to the attack team; maintaining constant team coordination; continually evaluating fire growth and development; communicating or managing search, rescue, and ventilation requirements; reporting hazards to the attack teams; and, apprising incident command of changed conditions. (NFPA 1001-63.2)

Certification:
FFTS-S700P

0.00 **Re Certification:** 0.00

Practical Skills S700

This 20-hour (consists of two - 10 hour days) course is available only to municipal firefighters to complete the practical component of the S700 series after taking the theory through distance learning. As a member of team learn to safely extinguish a vehicle fire, extinguish live class A fires in a controlled environment, and conduct search and rescue activities under fire conditions. Your final exercises are responding to a variety of scenarios involving fires in multi level structures from a simulated fire station.

Certification:

0.00 **Re Certification:** 0.00