NFPA 1851 5.1.1 Prior to starting the selection process of structural fire fighting ensembles and ensemble elements and proximity fire fighting ensembles and ensemble elements, the organization shall perform a risk assessment.

#### 5.1.2

### 1. Type of Duties Performed

Below, please check the appropriate boxes.

Demographic Details (Check appropriate boxes)         Size of Department $0 - 50$ $50 - 100$ $100 - 200$ $200 - 300$ $300 - 400$ $400 +$	Structural Firefighting         Lay and connect hose lines         Apparatus operation         Hold nozzles – direct fire stream         Carry, place and climb ladders         Fire pump operation         Ventilation of structure         Salvage and overhaul         Search and rescue         Forcible entry
Population of District Served         □       0 - 50,000         □       50,000 - 100,000         □       100,000 - 250,000         □       250,000 - 500,000         □       500,000 - 750,000         □       750,000 +	ARFF Firefighting         Apparatus operation         Lay and connect hose lines         Carry, place and climb ladders         Search and rescue         Salvage and overhaul         Hold nozzles – direct fire stream         Forcible entry         Specialty Rescue         Mitigate hazardous material emergency         Motor vehicle extrication / stabilization
	<ul> <li>EMS</li> <li>High angle rescue</li> <li>Trench rescue</li> <li>Confined space rescue</li> <li>Collapse stabilization and rescue</li> </ul>

5.1.22. Distinguishing Response Activities for Different Potential Incidents

<b>FIRE</b> Residential Structures Non-Residential Structures	# OF CALLS		
Mobile Property Other Fires			Definition of Terms
TOTAL FIRE		•	<u>"All Fires"</u> includes structure fires, mobile property fires, and other fires.
<b>RESCUE / EMS</b> Hazardous Material Emergency	# OF CALLS	•	<u>"Residential Structures</u> " includes one- and two-family dwellings, apartments, manufactured homes, and other
Motor Vehicle Extrication			residences (motels, hotels, boarding houses and dormitories).
High-Angle Rescue Trench Rescue		•	<u>"Nonresidential Structures"</u> includes manufacturing, business and office, education, health care, storage and
Confined Space Rescue			other commercial buildings.
Collapse Stabilization and Rescue TOTAL RESCUE / EMS		•	<u>"Mobile Property"</u> includes passenger vehicles, trucks, boats, aircraft, farm, and construction vehicles. "Other Fires" is a broad category made
Percentage of Calls Fire Total Fire divided by the sum of Total Fire and Total Rescue/EMS		·	up of five different types of reportable fires; fires in cultivated vegetation, fires in natural vegetation, refuse fires
Percentage of Calls Non-Fire Total Rescue/EMS divided by the sum of Total Fire and Total Rescue/EMS			including dumpster fires, other outside fires with value, and other fires not classified elsewhere.

### 5.1.2

### 3. Organization's Experiences

Below, please indicate the elements your department currently uses. Please rate your satisfaction with this element from 1 to 5, 1 being "Completely Satisfied" and 5 being "Completely Dissatisfied."

Element	Manufacturer	<b>Model</b> Model #	
Structural Helmets	Other Mfg	I234Completely SatisfiedSatisfiedSatisfied	5 Completely Dissatisf e d
		Model #	
Protective Hoods	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissatisfied
		Model #	
Coat / Trouser Outer Shell	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissatisfied
		Model #	
Coat/Trouser Moisture Barrier	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissatisf e d
		Model #	
Coat / Trouser Thermal Liner	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissa isfie d
		Model #	
Structural Gloves	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissatisfied
		Model #	
Structural Boots	Other Mfg	1 2 3 4 Completely Satisfied	5 Completely Dissatisfied

#### 5.1.2 4. Incident Operations

Below, please mark with an "X" the incident operations used by your department.

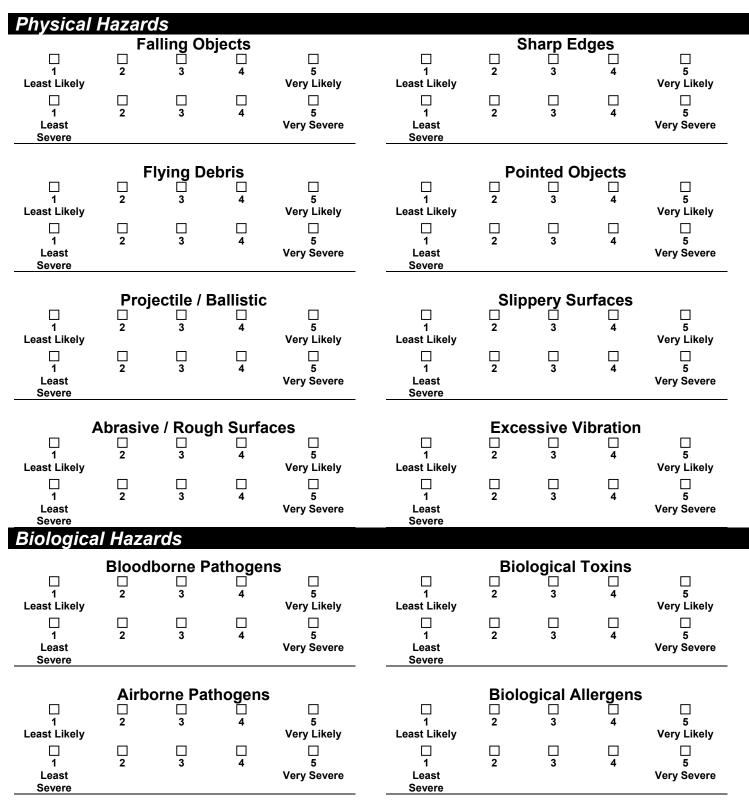
### FIREFIGHTING

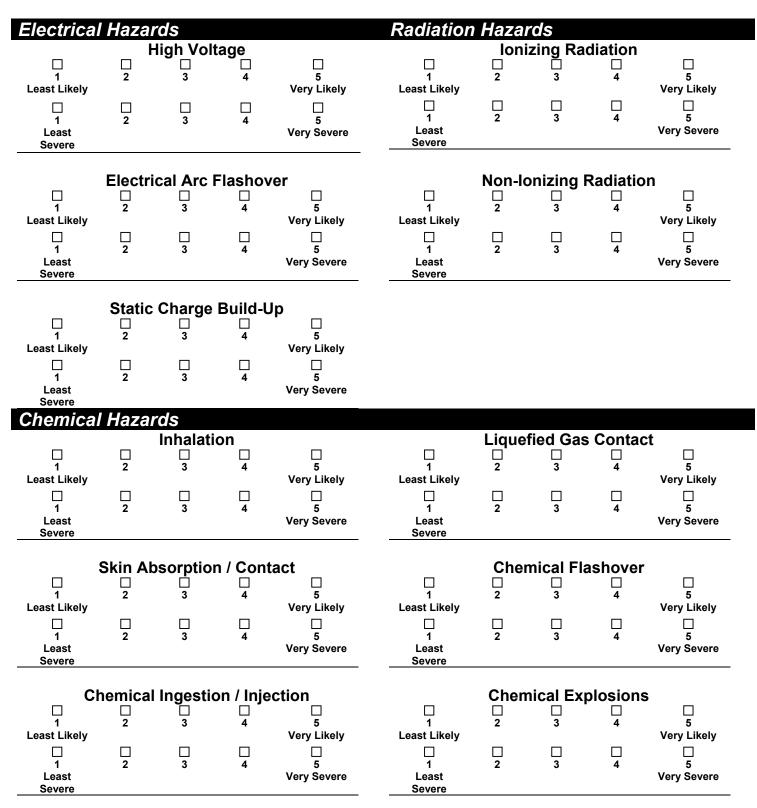
Interior Fire Attack	
Exterior Fire Attack	
Transitional Fire Attack	
Vertical Fire Attack	
Horizontal Ventilation	
Primary and Secondary Search	
Salvage and Overhaul	

### **RESCUE / EMS**

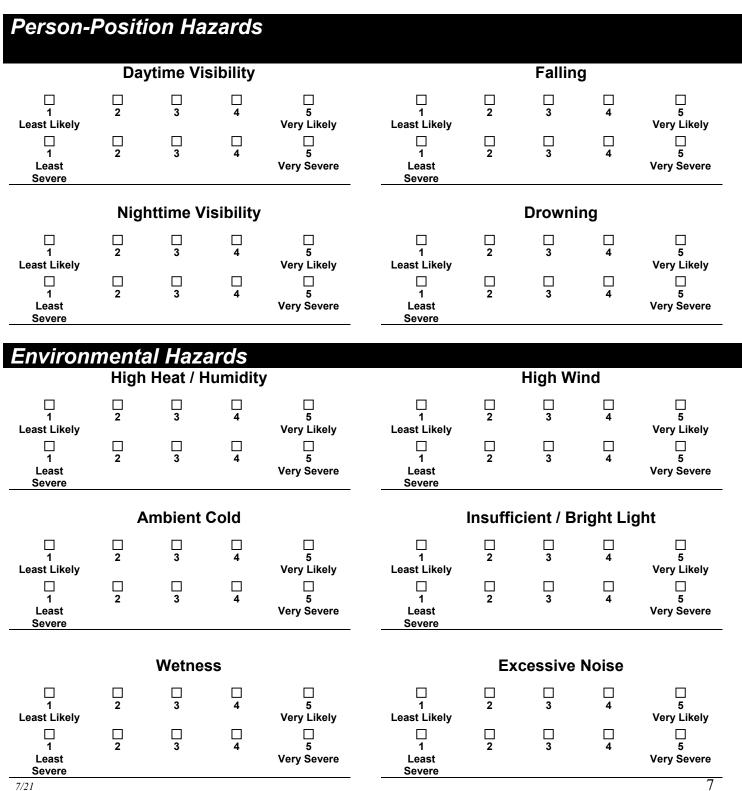
Extrication with Hydraulic/Power Tools	
Provide BLS/ALS Treatment	
Urban Search and Rescue	
Trench Rescue	
High-Angle Rescue	
Confined Space Rescue	
Hazardous Materials	

Also, included in <u>4. Incident Operations</u> is the organizational statement concerning risk that your department has adopted. Please indicate your statement below:

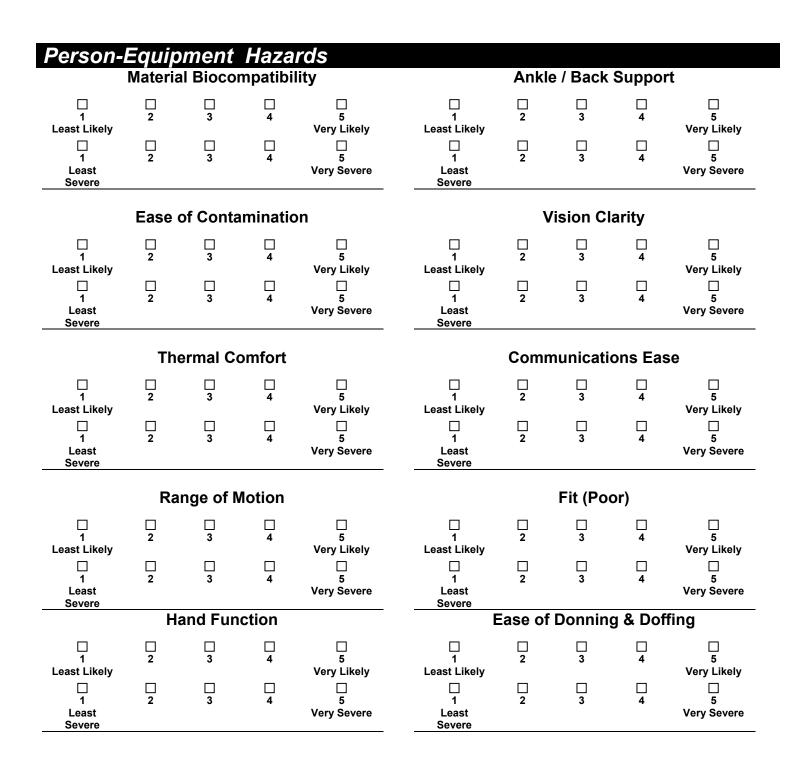


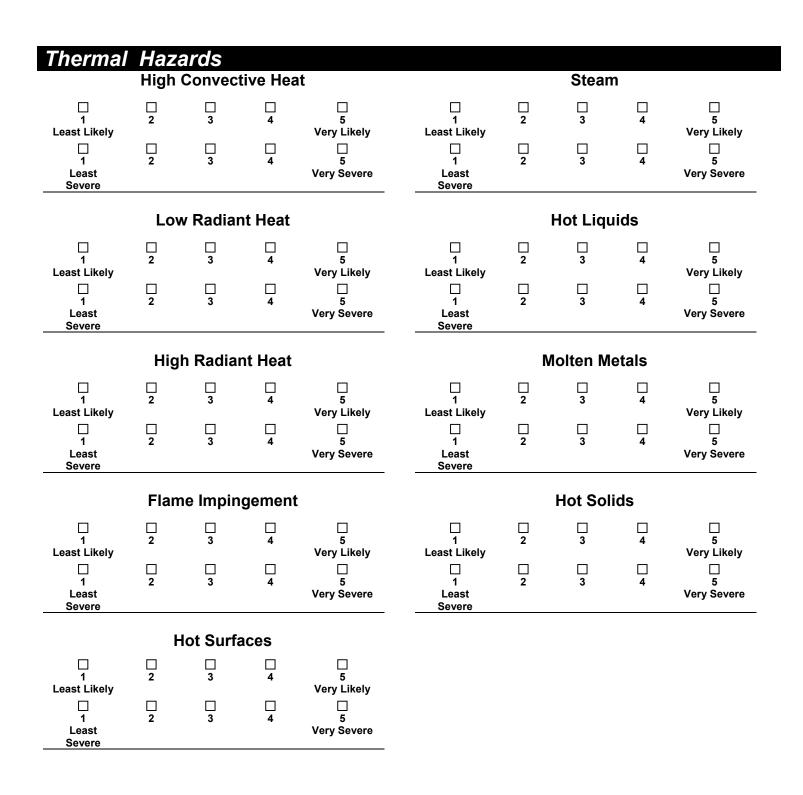


How likely are you to come in contact with the following types of hazards? Please indicate using a scale of 1 to 5, 1 being "least likely" and 5 being "very likely". In addition, how would you rate the severity of the hazard? Please indicate using a scale of 1 to 5, 1 being the "least severe" and 5 being "very severe".



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Based on the hazards encountered by your department, how would you rate the following qualities for each element listed? Please prioritize the following categories by order of importance to your organization with 1 being the most important, 2 the 2nd most important, etc. Please use each number only once.

HELMET	Scale of "1" to "12"	COAT/TROUSER	Scale of "1" to "12"
Thermal Protection		Direct Flame Protection	1 10 12
Impact Protection		Ergonomic Design	
Weight		Wickability/Breathability	
Low Profile		Female Patterns	
High Profile		UV Degradation	
Adjustability		Tear/Cut/Abrasion Resistance	
Accessories/Access		Thermal Protective Performance	
Balance		Total Heat Loss	
Comfort		Radiant Protective Performance	
Ease of Cleaning		Durability/Strength of Seams,	
SCBA Interface		Reinforcements, Accessories, Trim	
Cost		CBRN	
		Cost	
HOODS	Scale of "1" to "6"		
Direct Flame Protection	"1" to "6"	BOOTS	Scale of "1" to "8"
Thermal Protective Performance		Weight	
Wickability/Breathability		Thermal Protective Performance	
Comfort		Wickability/Breathability	
Durability		Puncture Resistance	
Cost		Conductive Heat Testing	
		Cut Resistance	
GLOVES	Scale of	Replaceable Sole	
	"1" to "7"	Cost	
Breathable Moisture Barrier			
Non-breathable Moisture Barrier			
Thermal Protective Performance			
Wickability/Breathability			
Durability			
Dexterity			

Cost