

The following power point training presentations must be viewed at unit training and/or under the supervision of an OSRT Officer.

Members viewing the presentations must sign a OSRT sign in sheet. The completed sign in sheet must be submitted to the OSRT Planning (Training) Section to receive credit for the training.

Standard Guide for Hazard Awareness for Search and Rescue Personnel

ASTM F2890 –12

Reference: ASTM F 2890

1.2 This guide identifies and describes hazardous situations and environments, and the associated risks affecting search and rescue personnel who may be working on or around the following:

- 1.2.1 Land search;
- 1.2.2 Land rescue;
- 1.2.3 Structural collapse;
- 1.2.4 Rope rescues;
- 1.2.5 Confined spaces;
- 1.2.6 Water, both still and moving; and
- 1.2.7 Trench or excavation collapse.

Training PowerPoint slide program prepared by
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2.0

awareness-level knowledge, n—the ability to recognize the following associated with a situation or environment:

- (a) Whether search and/or rescue is necessary;
- (b) Hazards and personal risks;
- (c) Recognition of the need for specific PPE;
- (d) Additional knowledge, skills, or abilities to function safely and effectively; and
- (e) Other resources needed to safely and effectively perform a mission or operation.

3.0

A person trained to this guide is considered to be aware of the hazards and risks associated with these areas and operations.

4.0

Personnel shall be trained to recognize visible and potential hazards or environments associated with a SAR incident. Such hazards or environments may include, but are not limited to:

1. Any environmental/weather conditions which fall outside the normal operating environment of the AHJ;
2. Terrain considerations such as high angle or moving water;
3. Natural phenomena;
4. Atmospheres that are immediately deadly or hazardous;
5. Spaces that require special equipment or skills such as confined spaces, mines or tunnels, or trenches;
6. Lack or loss of infrastructure (that is, no power, water, and/or equipment);
7. Industrial accidents or conditions resulting in additional environmental hazards (that is, damaged containers, marked or unmarked, that may contain materials hazardous to life);
8. Animals that may injure or harm;
9. Actions and effects of people (that is, devices that may injure or kill SAR personnel);
10. Illicitly discarded hazardous materials; and
11. Collapsed or unstable manmade materials;

5. Incident-Specific Knowledge and Skills

5.1 *Structural Collapse:*

5.1.1 Personnel shall be trained to recognize the additional hazards associated with a structural collapse incident. These may include the following:

5.1.1.1 Potential for secondary collapse;

5.1.1.2 Potential for fire or explosion;

5.1.1.3 Exposure to respiratory contaminants or asphyxiates;

5.1.1.4 Hazardous material spills; and

5.1.1.5 Risk of electrocution.

5.2 *Rope Rescue:*

5.2.1 Personnel shall be trained to recognize the additional hazards associated with a rope rescue incident. These may include the following:

5.2.1.1 Fall hazards;

5.2.1.2 Falling objects;

5.2.1.3 Tripping hazards; and

5.2.1.4 Unnecessary personnel in the general area of the rope rescue incident.

5.3 *Confined Space:*

5.3.1 Personnel shall be trained to recognize the additional hazards associated with a confined space incident. These may include the following:

5.3.1.1 Risk of asphyxiation;

5.3.1.2 Respiratory contaminants;

5.3.1.3 Psychological effects;

5.3.1.4 Explosive atmosphere;

5.3.1.5 Chemical contaminants; and

5.3.1.6 Temperature extremes.

5.4 *Water-Related Incidents:*

5.4.1 Personnel shall be trained to recognize the additional hazards associated with a water rescue incident. These may include the following:

5.4.1.1 Risk of drowning;

5.4.1.2 Risk of hypothermia;

5.4.1.3 Currents;

5.4.1.4 Electrocution due to damaged utilities;

5.4.1.5 Contamination of water;

5.4.1.6 Confined spaces in or around the water;

and

5.4.1.7 Unsafe shoreline conditions such as undercut banks, slippery ground, or hazardous debris.

5.5 *Trench or Excavation Collapse:*

5.5.1 Personnel shall be trained to recognize the additional hazards associated with a trench or excavation collapse incident.

These may include the following:

5.5.1.1 Risk of primary or secondary collapse;

5.5.1.2 The effects of soil and debris weight on the scene and/or subject(s);

5.5.1.3 Risk of electrocution;

5.5.1.4 Hazardous materials, including gas or liquid leaks; and

5.5.1.5 Unsafe conditions around the trench or excavation, such as undercut sides, slippery ground, or tripping hazards.

Sources for training:

http://www.ohiospecialresponseteam.org/Web_Links.html

Confine Space

<http://www.shreveportla.gov/index.aspx?nid=349>

Rope, Trench

<http://www.florida-elearning.com/index.htm>

Structural Collaspe

<http://www.bgsu.edu/state-fire-school.html>

Water Related

QUESTIONS ?