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Standard Guide for Training of a Land Search Team Leader (STL)¹

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1. Scope

1.1 This guide establishes the minimum training standard for Land Search Team Leaders as it relates to their general, field, and search-specific knowledge, skills, and experience.

1.2 A Land Search Team Leader searches on the surface of the land only, including urban or disaster areas that may be isolated or have lost supporting infrastructure.

1.3 This guide does not provide the minimum training requirements for searching in partially or fully collapsed structures, in or on water, in confined spaces, or underground (such as in caves, mines, and tunnels).

1.4 No knots, rope, litter, or other rescue skills are required of a Land Search Team Leader.

1.5 A Land Search Team Leader can be utilized as a field team leader, a single resource for sign cutting, a support person for a canine search team, and to establish search area boundaries in the field.

1.6 A Land Search Team Leader is eligible to supervise Type II search teams or crews as defined in Classification **F1993**. Type II teams which may utilize personnel trained to this standard are:

- 1.6.1 Kind A (wilderness);
- 1.6.2 Kind B (urban);
- 1.6.3 Kind C (mountainous);
- 1.6.4 Kind J (evidence/cadaver);
- 1.6.5 Kind K (missing aircraft).

1.7 Further training may be required before a Land Search Team Leader can participate on a particular kind of search team, depending on the AHJ's regulations or policies.

1.8 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

¹ This guide is under the jurisdiction of ASTM Committee **F32** on Search and Rescue and is the direct responsibility of Subcommittee **F32.03** on Personnel, Training and Education.

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1.9 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

F1583 Practice for Communications Procedures—Phonetics
F1633 Guide for Techniques in Land Search (Withdrawn 2017)³

F1767 Guide for Forms Used for Search and Rescue
F1773 Terminology Relating to Climbing, Mountaineering, Search and Rescue Equipment and Practices

F1993 Classification System of Human Land Search and Rescue Resources

F2209 Guide for Training of Land Search Team Member

F2890 Guide for Hazard Awareness for Search and Rescue Personnel

F3068 Guide for Contents and Use of a Position Task Book (PTB)

F3072 Guide for Intermediate Wilderness GPS/GNSS Use (GPS/GNSS-IIW) Endorsement

2.2 Other Documents:

NWCG PMS 307 Work Capacity Testing for Wildland Firefighters⁴

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *wilderness, n*—a setting in which the delivery of patient care by SAR personnel is adversely affected by logistical complications, such as: an environment that is physically stressful or hazardous to the patient, SAR personnel, or both; remoteness of the patient's location, such that it causes a delay in the delivery of care to the patient; or lack of adequate medical supplies, equipment, or transportation.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ http://www.nwcg.gov/pms/pubs/newshelt/workcaptest_lo.pdf.

3.2 For definitions of other terms used in this guide, see Guide **F1633**, Terminology **F1773**, Classification **F1993**, Guide **F2209**, and other references within this guide.

4. Significance and Use

4.1 This guide establishes the minimum knowledge, skills, and abilities that a person must have to perform as a Land Search Team Leader. No other skills are included or implied.

4.2 Every person who is identified as a Land Search Team Leader shall have met the requirements of this guide.

4.3 This guide is to be used by individuals, organizations, and agencies that wish to identify the minimum training required for a Land Search Team Leader.

4.3.1 Determining the requirements and qualifications for team members is the responsibility of the AHJ.

4.3.2 The AHJ shall determine the depth or detail of training required to meet these needs.

4.3.3 Nothing in this standard precludes an AHJ from requiring additional knowledge, skills, or abilities for its members.

4.4 This guide does not stand alone and must be used with the referenced documents to provide specific information needed by an STL or AHJ.

4.5 This guide can be used to evaluate a book or other document to determine if its content meets the necessary topics for training an STL. Likewise, the guide can be used to evaluate an existing training program to see if it meets the requirements in this guide.

4.6 This guide by itself is not a training document. It is an outline of the topics required for training or evaluating a Land Search Team Leader.

4.7 The knowledge, skills, and abilities defined in this guide are not presented in any particular order and do not represent a training sequence.

4.8 A Land Search Team Leader shall document his or her training by completion of a position task book, compliant with Guide **F3068**, or by field demonstration under qualified supervision.

4.9 Unless stated otherwise, an ability or proficiency in a skill shall be demonstrated for initial qualification and then as often as required by the AHJ.

4.10 Except where a physical skill or ability must be demonstrated, the AHJ shall determine the best way to evaluate a person's knowledge. This may be by written exam, oral exam, demonstration, or by some combination of the three.

5. Personal Fitness and Health

5.1 Land Search Team Leaders shall demonstrate annually that they meet the requirements of a medical fitness standard selected by the AHJ.

5.2 Land Search Team Leaders shall demonstrate annually that they meet the requirements of a physical performance standard determined by the AHJ.

5.2.1 The recommended minimum physical performance requirement for a Land Search Team Leader is the "Moderate" level as defined in NWCG PMS 307 (see **Appendix X1**).

6. Personal and Team Equipment

6.1 A Land Search Team Leader shall demonstrate proficiency in the use and operation of all personal equipment.

6.2 A Land Search Team Leader shall demonstrate proficiency in the use and operation of all team equipment required by the AHJ.

6.3 A Land Search Team Leader shall possess and demonstrate the ability to use all personal protective equipment required by the AHJ.

7. General Knowledge and Skills

7.1 A Land Search Team Leader shall have met all of the qualifications for, and have functioned as a Land Search Team Member (Guide **F2209**) or equivalent for a length of time determined by the AHJ.

7.1.1 It is recommended that this time period shall be no less than one year.

7.2 A Land Search Team Leader shall have successfully completed the National Incident Management System (NIMS) course ICS-200 "ICS for Single Resources and Initial Action Incidents."

7.3 A Land Search Team Leader shall have met all qualifications for Standard Guide for Hazardous Awareness for Search and Rescue Personnel (Guide **F2890**) or equivalent.

7.4 A Land Search Team Leader shall complete the Department of Interior, Office of Aviation Management (DOI OAM), Course A100—Basic Aviation Safety, or equivalent training.

7.5 A Land Search Team Leader shall earn and maintain certification in adult, child, and two-rescuer CPR.

7.6 A Land Search Team Leader shall earn and maintain certification in Wilderness First Aid or a more advanced level of emergency care.

8. Leadership Knowledge and Skills

8.1 A Land Search Team Leader shall demonstrate an understanding of the following in regard to a search team:

8.1.1 Team leader responsibilities;

8.1.2 Recognizing morale problems;

8.1.3 Maintaining or improving team morale;

8.1.4 Handling team deficiencies in the field such as equipment problems (radio, etc.) or personnel problems (discipline, etc.);

8.1.5 Employing a successful leadership style;

8.1.6 The concepts of Situational Awareness and its importance during search operations;

8.1.7 The delegation of tasks within the team.

8.2 A Land Search Team Leader shall have experience in night field search operations in adverse weather conditions in his or her agency's normal area of operations.