



Designation: F3175 – 16

Standard Guide for Training and Equipping Search and Rescue Personnel Operating on Mountain Bikes (Mountain Bike SAR Endorsement)¹

This standard is issued under the fixed designation F3175; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide establishes the minimum training and equipment requirements, including general and field knowledge, skills, and abilities, for search and rescue personnel who operate on mountain bikes.

1.2 Mountain Bike Search and Rescue Endorsed individuals may, under qualified supervision, perform their normal duties safely and effectively on mountain bikes.

1.3 A Mountain Bike Search and Rescue Endorsement alone is not sufficient to indicate that an individual has the knowledge, skills, or abilities to perform any specific duties, including search and rescue operations, other than those defined within this guide.

1.4 Personnel trained to only this guide are not qualified to operate in leadership positions.

1.5 Mountain Bike Search and Rescue Endorsed individuals operate on the surface of the land only, including urban or disaster areas that may be isolated or have lost supporting infrastructure.

1.6 Human land SAR resources that may utilize personnel trained to this guide are classified in Classification **F1993**.

1.6.1 Further training may be required before Mountain Bike Search and Rescue Endorsed personnel may participate on a particular *Category* or *Kind* of SAR resource, depending on local needs, regulations, or policies of the authority having jurisdiction.

1.7 This guide alone does not provide the minimum training requirements for SAR personnel to operate on mountain bikes while performing operations in partially or fully collapsed structures, in- or on-water, in confined spaces, underground (such as in caves, mines, and tunnels), or in mountain or alpine environments.

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.

Current edition approved June 1, 2016. Published July 2016. DOI: 10.1520/F3175-16.

1.8 Personnel trained to this guide are not qualified to perform rescue. No training in rope use, high or low angle litter evacuation, or other rescue skills is included in this guide.

1.8.1 Basic rescue skills and knowledge are found in Guide **F2751**.

1.9 Mountain Bike Search and Rescue Endorsed personnel must work under qualified supervision, as deemed appropriate by the AHJ.

1.10 This standard is created without regard to the type of mountain bike, gear, panniers, first aid supplies, or personal protective equipment that is used by a Mountain Bike Search and Rescue Endorsed individual.

1.11 *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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards*:²

F1447 Specification for Helmets Used in Recreational Bicycling or Roller Skating

F1633 Guide for Techniques in Land Search

F1773 Terminology Relating to Climbing, Mountaineering, Search and Rescue Equipment and Practices

F1952 Specification for Helmets Used for Downhill Mountain Bicycle Racing

F1993 Classification System of Human Search and Rescue Resources

F2209 Guide for Training of Land Search Team Member

F2751 Guide for Training of a Land Search and Rescue Team Member

F2890 Guide for Hazard Awareness for Search and Rescue Personnel

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

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.