



Standard Practice for Paintball Game Site Operation¹

This standard is issued under the fixed designation F1777; 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.

INTRODUCTION

This practice sets forth procedures for operating a paintball playing game site. The goal is to assist paintball game site operators in running a safe business. Like any other physical activity, paintball presents a potential for injury. No procedural practice can prevent all injuries, especially when paintball players do not follow safety instructions. The ultimate responsibility for preventing injury lies with the paintball player. This practice, however, intends to promote safe paintball game site operation through standardization of operating practice.

1. Scope

1.1 This practice establishes minimum safety requirements for the operation of paintball playing game sites, and provides for certain materials and procedures required.

1.2 *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

- F1750 Specification for Paintball Marker Threaded-Propellant Source Interface
- F1776 Specification for Eye Protective Devices for Paintball Sports
- F1979 Specification for Projectiles Used in the Sport of Paintball
- F2030 Specification for Paintball Cylinder Burst Disk Assemblies
- F2184 Guide for Installation of Paintball Barrier Netting
- F2271 Specification for Paintball Marker Barrel Blocking Devices
- F2272 Specification for Paintball Markers

- F2278 Test Method for Evaluating Paintball Barrier Netting
- F2553 Specification for Warnings on Refillable CO₂ Cylinders Used In the Sport of Paintball
- F2653 Specification for Paintball Valve Male Threaded Connection for Use with Approved Cylinders
- F2773 Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

- 3.1.1 *bulk cylinder, n*—a gas storage vessel used to fill gas propellant vessels on paintball markers.
- 3.1.2 *discharge mode, n*—a mode that controls the number of paintballs discharged per trigger cycle.
- 3.1.3 *ear protection, n*—devices that cover the ear cavities and prevent direct entry of paintballs into the ear canals.
- 3.1.4 *filling apparatus, n*—equipment used to properly fill gas propellant vessels on paintball markers from bulk cylinders.
- 3.1.5 *game area, n*—an area in which paintball games are conducted and in which paintball goggles are required to be worn.
- 3.1.6 *goggles on area, n*—areas in which all persons are required to wear paintball goggles, such as and not limited to game areas, chronograph areas, and target ranges.
- 3.1.7 *paintball, n*—the ammunition fired from a paintball marker that complies with Specification F1979.
- 3.1.8 *paintball air system, n*—the power source normally used by a paintball marker to propel a paintball that meets various government regulations that vary by location and shall comply as required with Specifications F1750, F2030, F2553, and F2653.

¹ This practice is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.24 on Paintball and Equipment.

Current edition approved Oct. 1, 2019. Published November 2019. Originally approved in 1997. Last previous edition approved in 2012 as F1777 – 12. DOI: 10.1520/F1777-19.

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.