



Designation: F3100 – 15 (Reapproved 2023)

Standard Practice for Low Impact Paintball Field Operation¹

This standard is issued under the fixed designation F3100; 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 conducting a form of low impact paintball games through the establishment of specific game rules and equipment requirements which serve to reduce the discomfort sometimes experienced by participants from paintball impacts in traditional paintball games. Specific paintball markers and specific calibers of paintball may be required. The goal is to assist paintball field 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 specific game rules and equipment requirements for safe low impact paintball field operation through standardization of operating practice.

1. Scope

1.1 This practice establishes minimum safety requirements for the operation of Low Impact Paintball Playing Fields, and provides for certain required materials and procedures.

1.2 *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.*

1.3 *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

F2856 Practice for Transfilling and Safe Handling of Small CO₂ Cylinders for Use in Paintball

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 as men.

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.

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.

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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.