



Designation: F3364 – 23

# Standard Practice for Independent Audit Program for Unmanned Aircraft Operators<sup>1</sup>

This standard is issued under the fixed designation F3364; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This practice establishes a minimum set of requirements for an Unmanned Aircraft Systems (UAS) Operator Independent Audit Program in compliance with Practice F3365. This document has been purposefully designed within the broader context of the Committee F38 library. Although the original source materials for the content presented here were intended to function as standalone documents, the committee has consciously removed any redundant information in favor of adopting a referential "single-source-of-truth" approach. Consequently, when applying this standard, it is essential to consider and integrate all relevant Committee F38 standards to ensure its comprehensive and accurate implementation.

1.2 When intending to utilize the information provided in this document as a Means of Compliance for operational or design approval, or both, it is crucial to consult with the respective oversight authority (for example, CAA) regarding its acceptable use and application. To find out which oversight authorities have accepted this standard (in whole or in part) as an acceptable Means of Compliance to their regulatory requirements (hereinafter "the Rules"), please refer to the Committee F38 webpage ([www.ASTM.org/COMMITTEE/F38.htm](http://www.ASTM.org/COMMITTEE/F38.htm)).

1.3 *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.*

1.4 *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.*

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee F38 on Unmanned Aircraft Systems and is the direct responsibility of Subcommittee F38.03 on Personnel Training, Qualification and Certification.

Current edition approved Aug. 1, 2023. Published August 2023. Originally approved in 2019. Last previous edition approved in 2019 as F3364 – 19. DOI: 10.1520/F3364–23.

## 2. Referenced Documents

### 2.1 *ASTM Standard*:<sup>2</sup>

E2159 Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts

F3060 Terminology for Aircraft

F3341 Terminology for Unmanned Aircraft Systems

F3365 Practice for Compliance Audits to ASTM Standards on Unmanned Aircraft Systems

## 3. Terminology

3.1 *Unique and Common Terminology*—Terminology used in multiple standards is defined in Terminology F3341, UAS Terminology Standard, and Terminology F3060, Aircraft Terminology Standard. Terminology that is unique to this specification is defined in this section.

### 3.2 *Definitions*:

3.2.1 *audit finding, n*—a statement of audited entity conditions at the time of the audit by evaluation against audit criteria. Audit findings shall be based upon verifiable audit data and may be either positive or negative with respect to audit criteria.

3.2.2 *independent audit, n*—an audit of an unmanned aircraft systems operator and its associate facilities by an external auditing entity to determine compliance with Civil Aviation Authority (CAA) accepted consensus standards, and procedures established to meet those requirements.

3.2.3 *noncompliant finding, n*—a non-fulfillment of a requirement that may affect the ability of the UAS Operator to comply with the provisions for compliance of the relevant CAA.

## 4. Significance and Use

4.1 This practice establishes the minimum set of requirements for an independent audit program for unmanned aircraft system operators. The intended use is to provide minimum

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.