International Standard

ISO 1151-13

Flight dynamics — Vocabulary —

Part 13: Training devices

First edition
2026-08

Reference number
ISO 1151-13:2026(en)

© ISO 2026



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

3.1 Categories 1

3.2 FSTD's simulation features 2

3.3 Basic definitions 4

Index **7**

© ISO 2026 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 8, *Aerospace terminology*.

A list of all parts in the ISO 1151 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

© ISO 2026 – All rights reserved

Flight dynamics — Vocabulary —

Part 13: Training devices

1 Scope

This document defines terms used in the field of pilot training with the use of technical equipment, called flight simulators, enhancing safety by allowing pilots to practice various scenarios in a controlled environments, without the need of an actual aircraft.

This document establishes the terms and definitions of the basic concepts applied in science, engineering and manufacturing in the field of flight simulation training devices (airplane and helicopter).

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 Categories

3.1.1
flight simulation training devices
FSTD
technical system designed to replicate the experience on flying an aircraft in various scenarios in a controllable environment without the need for an actual aircraft

3.1.2
full flight simulator
FFS
FSTD (3.1.1), equipped with a full size replica of a specific type, model and series aircraft flight deck, including the assemblage of all equipment and computer programs necessary to represent the aircraft in ground and flight operations, normal, abnormal and emergency procedures throughout the full flight envelope

Note 1 to entry: *FFS* (3.1.2) includes all flight and basic aircraft systems, a visual system providing an out of the flight deck view, acoustic system providing sound cues and a force cueing motion system.

© ISO 2026 – All rights reserved