

SOUTH AFRICAN



CIVIL AVIATION
AUTHORITY

REPUBLIC OF SOUTH AFRICA

CIVIL AVIATION AUTHORITY

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AIC
14-3
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GENERAL

TRAINING

STUDENT FLIGHT INSTRUCTORS: TRAINING REFERENCE MATERIAL

- ☛ Indicates changes.
 - ☛ This AIC replaces AIC 14-3 dated 05-09-30 in its entirety.
1. The SACAA is committed to ensuring that the ground and flight training of a student flight instructor (SFI) complies with the requirements stipulated in ICAO Annex 1 (2.8.1.1):

The (SFI) applicant shall have met the knowledge requirements for the issue of a commercial pilot licence as appropriate to the category of aircraft included in the licence. In addition, the applicant shall have demonstrated a level of knowledge appropriate to the privileges granted to the holder of a flight instructor rating, in at least the following areas:

 - a) techniques of applied instruction;
 - b) assessment of student performance in those subjects in which ground instruction is given;
 - c) the learning process;
 - d) elements of effective teaching;
 - e) student evaluation and testing, training philosophies;
 - f) training program development;
 - g) lesson planning;
 - h) classroom instructional techniques;
 - i) use of training aids, including flight simulation training devices as appropriate;
 - j) analysis and correction of student errors;
 - k) human performance relevant to flight instruction including principles of threat and error management; and
 - l) hazards involved in simulating system failures and malfunctions in the aircraft.
 2. In order to ensure that an SFI is trained to an acceptable standard, the Testing Standards Section has placed several publications on the SACAA website. These are available under www.caa.co.za/Aviation Personnel Standards/ Flight Instructor Guides.
 3. SFIs and their ATOs are encouraged to make use of these publications in order to enhance and consolidate their teaching methodology and technique, and to raise the standard of instruction and technical knowledge.

List of publications:

- SACAA Flight Instructor Training Procedures (revised by 43 Air School)
- Australian Flight Instructor Manual
- Canadian Flight Instructor Guide
- FAA Aviation Instructor's Handbook
- New Zealand Flight Instructor's Guide

4. *The SACAA Flight Instructor Training Procedures should be used as the primary reference for the development of lesson plans. The manual covers most of the aspects of elementary and advanced flying training. No reference is made to any specific aircraft type and flight instructors must ensure that the instructional techniques are adapted to the characteristics of the particular aircraft used during the training.*
5. *The required depth of technical knowledge may be acquired by using any study material available in bookshops, pilot shops and the World Wide Web.*

Some recommended publications / websites;

- *Flight Instructors Manual by R D Campbell*
- *Air Pilot's Manual – The Aeroplane – Technical (volume 4) by Peter Godwin*
- *Air Pilot Manual – Flying Training (volume 1) by Peter Godwin*
- *The Private Pilot's Licence Course – Flying Training by Jeremy M Pratt*
- *The Pilot's Manual – Ground School – (PM2) by Aviation Supplies & Academics, Inc.*
- *The illustrated guide to aerodynamics by H C Smith*
- *Mechanics of Flight by A C Kermode*
- *Pilot's Handbook of Aeronautical Knowledge FAA-H-8083-9A (FAA website)
:http://www.faa.gov/library/manuals/aviation/*
- *Risk Management Handbook FAA-H-8083-2 (FAA website) :http://www.faa.gov/library/manuals/aviation/*
- *Ground School – Theory of Flight (Australian website):http://www.auf.asn.au/groundschool/*



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