

2016 Flight Crew Recency Requirements Self-Paced Study Program

Refer to paragraph 421.05(2)(d) of the *Canadian Aviation Regulations* (CARs) standard.

Completion of this questionnaire satisfies the 24-month recurrent training program requirements of CAR 401.05(2)(a). It is to be retained by the pilot.

All pilots are to answer questions 1 to 30. In addition, aeroplane and ultralight aeroplane pilots are to answer questions 31 to 33; helicopter pilots are to answer questions 34 and 35; glider pilots are to answer questions 36 and 37; gyroplane pilots are to answer questions 38 and 39; and balloon pilots are to answer questions 40 and 41.

References are listed at the end of each question. Many answers may be found in the *Transport Canada Aeronautical Information Manual* (TC AIM). Some of the material is now found in the *AIP Canada* (ICAO). Amendments to these publications may result in changes to answers and/or references. The TC AIM is available online at

<https://www.tc.gc.ca/eng/civilaviation/publications/tp14371-menu-3092.htm>

AIP Canada (ICAO) is available online at <http://www.navcanada.ca/EN/products-and-services/Pages/AIP.aspx>.

- 1) When an aerodrome is listed in the *Canada Flight Supplement* (CFS) or *Canada Water Aerodrome Supplement* (CWAS) as “PPR”, what does this mean?

_____ (Ref: TC AIM-AGA 2.2)

- 2) At aerodromes certified as airports, a dry, Transport Canada (TC) standard wind direction indicator will react to a wind speed of 10 kt with an angle of ____° below horizontal.
(Ref: TC AIM-AGA 5.9)

- 3) In the air navigation system, only _____ and _____ have 121.5 MHz capability, and this emergency frequency is only monitored during these facilities' hours of operation. (Ref: TC AIM-COM 1.12.2)

- 4) Currently, global positioning system (GPS) horizontal and vertical positions are accurate to __m and __ m, respectively, 95% of the time.
(Ref: TC AIM-COM 5.2)

- 5) The pilot briefing service is provided by _____.

_____.
(Ref: TC AIM-MET 1.1.3)

- 6) According to the PIREP below, where was the reporting aircraft?

UACN10 CYKA 161752

VR

**UA /OV CYDC 320012 /TM 1751 /FL105 /TP C182 /SK 060BKN100 /RM SCT
TCU EMBD**

_____ (Ref: TC AIM-MET 2.1.1)

- 7) On a graphic area forecast (GFA), what does a stippled area enclosed by a solid green line symbolize?

(Ref: TC AIM-MET 4.11)

- 8) What is the purpose of an AIRMET?

(Ref: TC AIM-MET 5.1)

- 9) Based on the aerodrome forecast (TAF) below, what is the lowest forecast ceiling for CYOW?

TAF CYOW 241741Z 2418/2518 06015G25KT 3/4SM -SN BLSN VV008

TEMPO 2418/2420 3SM -SNPL BR OVC010 PROB30 2418/2420 2SM

-FZRA -PL BR

FM242000 07020G30KT 5SM -FZRA -PL BR OVC010 TEMPO 2420/2504 1SM

FZRA BR OVC004 PROB30 2421/2504 1SM +FZRA BR

FM250400 07022G32KT 2SM -RA BR OVC005

FM250800 08012G22KT 1SM -SHRA BR OVC003

FM251100 09010KT 1/2SM -DZ FG VV002

FM251500 28012KT P6SM -SHSN BKN015

RMK NXT FCST BY 242100Z=

_____ (Ref: TC AIM-MET 7.4 and MET 8.3(k))

- 10) Based on the TAF above, what is the forecast visibility for CYOW at 2100Z?

_____ (Ref: TC AIM-MET 7.4)

- 11) Based on the TAF above, when can you expect visual flight rules (VFR) weather conditions in the CYOW control zone?

_____ (Ref: TC AIM-MET 7.4)

12) In a TAF, "TEMPO" is only used when the modified forecast condition is expected to last less than _____ in each instance, and if expected to recur, the total period of the modified condition will not cover more than _____ of the total forecast period. (Ref: TC AIM-MET 7.4)

13) What is the reported visibility in the SPECI below?

**SPECI CYMO 232021Z AUTO 07004KT 1 3/4SM -SN BKN011 BKN016
OVC023 M05/M06 A3006 RMK VIS VRB 3/4-3 SLP181=**

(Ref: TC AIM-MET 8.3 and MET 8.5.4)

14) In a METAR, is the wind direction given in degrees true or magnetic? _____
(Ref: TC AIM-MET 8.3)

15) For an airport listed in the CFS as "UNICOM (AU)", what can the Approach UNICOM (AU) operator provide? (Ref: TC AIM-RAC 1.2.1)

16) Cruising altitudes appropriate to aircraft track shall apply when VFR aircraft are operated at more than _____ ft above ground level (AGL).
(Ref: TC AIM-RAC 2.3.1)

17) Low-level airways are controlled low-level airspace extending upward from _____ ft AGL up to, but not including, 18 000 ft above sea level (ASL).
(Ref: TC AIM-RAC 2.7.1)

18) In uncontrolled airspace below 1 000 ft AGL, the minimum day VFR flight visibility is _____, and the minimum distance from cloud is _____.
(Ref: TC AIM-RAC Figure 2.8 and CAR 602.115)

19) Except where the flight is conducted within _____ NM of the departure aerodrome, no pilot-in-command shall operate an aircraft in VFR flight unless _____ has been filed.
(Ref: TC AIM-RAC 3.6.1)

20) What radio transmission is mandatory after takeoff from an uncontrolled aerodrome within an aerodrome traffic frequency (ATF) area?

(Ref: TC AIM-RAC 4.5.7)

21) Aeronautical Information Circulars (AICs) provide advance notice of major changes to legislation, regulation, procedures or purely administrative matters where the text is not a part of the _____ or _____.

_____. (Ref: TC AIM-MAP 2.3)

22) When does your aviation document booklet (ADB) expire? _____
(Ref: TC AIM-LRA 1.2)

23) The flight crew recency requirements address three time periods. To exercise the privileges of your permit, licence or rating you must meet the _____ and _____ requirements. Additionally, to carry passengers you must also meet the _____ requirements. (Ref: TC AIM-LRA 1.12, CAR 401.05)

24) All known objects ____ ft or more AGL are depicted on visual navigation charts. However, because there is only limited knowledge over the erection of man-made objects, there can be _____.

_____. (Ref: TC AIM-AIR 2.4)

25) By _____ ft ASL the partial pressure of oxygen is low enough that all pilots will experience mild hypoxia and some will become symptomatic.
(Ref: TC AIM-AIR 3.2.1)

For questions 26 to 29 refer to *AIP Canada (ICAO)*, available on NAV CANADA's Web site at <http://www.navcanada.ca/EN/products-and-services/Pages/AIP.aspx>.

26) *AIP Canada (ICAO)* GEN 1.5.1 describes survival in sparsely settled areas of Canada. According to Table 1.5.1—Survival Equipment, pencil pyrotechnics used for signalling will not go above _____ in winter.
(Ref: *AIP Canada (ICAO)* GEN 1.5.1)

27) For aeronautical charts covering the less densely populated areas, the topographic base maps are reviewed every _____ years and the aeronautical overlays are reviewed every _____ years.
(Ref: *AIP Canada (ICAO)* GEN 3.2.2)

28) New or revised information which is required to be depicted on VFR Navigation Charts (VNCs) is advertised by _____ until such time as it can be published in the _____ section of the CFS.
(Ref: *AIP Canada (ICAO)* GEN 3.2.2)

29) Go to the NAV CANADA Web site and familiarize yourself with the AICs and *AIP Canada (ICAO)* Supplements available at <http://www.navcanada.ca/EN/products-and-services/Pages/AIP-current.aspx>.
Record the most recent AIC number here: _____

30) What is the date of the most current VNC for your area? _____
(*AIP Canada (ICAO)* GEN 3.2.5; <http://www.navcanada.ca/EN/products-and-services/Pages/aeronautical-information-products-charts-VFR-navigational-charts.aspx>)

Aeroplane

31) At uncontrolled aerodromes not within a mandatory frequency (MF) area or when no MF procedures are in effect, aircraft should approach the traffic circuit _____. Alternatively, once the pilot has ascertained without any doubt that there will be no conflict with other traffic entering the circuit or traffic established within the circuit, the pilot may join the circuit _____. (Ref: TC AIM-RAC 4.5.2)

32) In the case of an engine failure at 3 000 ft AGL, what is the gliding speed and no-wind range of the aeroplane that you typically fly? _____ indicated air speed (IAS); _____ (Refer to aircraft manuals)

33) For the aeroplane that you typically fly, what is the proper sequence of actions for a go-around procedure?

_____ (Refer to aircraft manuals)

Helicopter

34) Refer to the article entitled "Take Five: Snow Landing and Take-off Techniques for Helicopters" in *Aviation Safety Letter* [TP 185], 1/2008.

When conducting takeoffs in conditions conducive to re-circulating snow,
_____ to get the snow blowing while

(Ref: *Aviation Safety Letter* [TP 185] 1/2008)

- 35) Visit the Transportation Safety Board of Canada (TSB) Web site at <http://www.tsb.gc.ca/eng/rappports-reports/aviation/>.
TSB Aviation Investigation Report A95A0040 says that contributing to the accident was the pilot's decision to conduct a portion of the flight over the river at low altitude without having first _____ for obstructions.

Glider

- 36) In a level 50° banked turn, the g load will be _____ and the stall speed will increase by ____ %. (Use glider references)
- 37) If, when prepared for launch, one of the ground crew shouts "STOP" and raises both hands above their head, the glider pilot must _____.
(Use glider references)

Gyroplane

- 38) If you experience an engine failure during the initial climb, what should you do first?
_____. (Use gyroplane references)
- 39) When descending in autorotation, if the rotor RPM decreases, what action other than rounding out your descent would increase your rotor RPM?
_____. (Use gyroplane references)

Balloon

- 40) If your balloon contacts a tree and is moving free of it, what should you do to reduce the risk of adverse consequences?

(Use balloon references)
- 41) If frost develops at a propane tank valve stem, what should you suspect is the cause?

(Use balloon references)

Date completed _____ Pilot _____