

## 2014 Flight Crew Recency Requirements

### Self-Paced Study Program

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

*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 33. In addition, aeroplane and ultra-light aeroplane pilots are to answer questions 34, 35 and 36; helicopter pilots are to answer questions 36, 37 and 38; glider pilots are to answer questions 39 and 40; gyroplane pilots are to answer question 41; and balloon pilots are to answer question 42.*

**Note:** *References are listed at the end of each question. Many answers may be found in the Transport Canada Aeronautical Information Manual (TC AIM). Amendments to that publication may result in changes to answers and/or references. The TC AIM is available online at: <http://www.tc.gc.ca/eng/civilaviation/publications/tp14371-menu-3092.htm>*

1. A runway incursion is any occurrence at an aerodrome involving the incorrect presence of \_\_\_\_\_ on the protected area of a surface designated for the landing and takeoff of aircraft. **(GEN 5.1)**
2. How are temporarily displaced thresholds marked?  
\_\_\_\_\_  
**(AGA 5.4.1 NOTE)**
3. At a Transport Canada certified airport, a dry wind direction indicator (windsock) that is blown horizontal indicates a wind speed of \_\_\_\_\_. **(AGA 5.9)**
4. On initial contact with an FSS through an RCO, pilots should state the name of the \_\_\_\_\_ controlling the RCO, the aircraft identification, and \_\_\_\_\_  
\_\_\_\_\_. **(COM 5.8.3)**

5. Before using a cell phone to contact ATS in the event of an in-flight radio communications failure, you should \_\_\_\_\_ and squawk Code \_\_\_\_\_.  
**(COM 5.15)**
6. Refer to a recent copy of the *Canada Flight Supplement* (CFS). What is the TAF period of coverage and issue times for Whitehorse/Erik Nielson Intl Airport?  
\_\_\_\_\_ **(MET 3.2.1 and CFS)**
7. Open a recent copy of the *Canada Flight Supplement* (CFS) and locate the “Planning” section (section C). In the “VFR Chart Updating Data”, read the information for your region of Canada.  
Record one of the topic names here: \_\_\_\_\_ **(CFS)**
8. Areas of showery or intermittent precipitation are shown on a GFA Clouds and Weather Chart as \_\_\_\_\_. **(MET 3.3.11)**

**TAF CYJT 041136Z 041212 24010KT ½ SM -SHRA -DZ FG OVC002 TEMPO 1213 3SM BR OVC008 FM 1300Z 29012G22KT P6SM SCT006 BKN015 BECMG 2123 30010KT SCT020 RMK NXT FCST BY 18Z=**

9. From the preceding TAF, what is the lowest forecast ceiling for CYJT?  
\_\_\_\_\_ **(MET 3.9.3)**
10. From the preceding TAF, at what time could you first expect to have VFR weather in the CYJT control zone? \_\_\_\_\_ **(MET 3.9.3)**
11. From the preceding TAF, what is the forecast visibility for CYJT after 2300Z?  
\_\_\_\_\_ **(MET 3.9.3)**

12. What coded group is used, in an Upper Level Wind and Temperature Forecast (FD), when the wind speed is less than 5 kt? \_\_\_\_\_ (MET 3.11)

13. In a METAR, wind direction is given in degrees true/magnetic. (MET 3.15.3)

**METAR CYBC 211700Z 0912G20 5/8SM BLSN VV007 M03/M05 A2969 RMK SN8 SLP105**

14. In the preceding weather report, the prevailing visibility is \_\_\_\_\_ and the ceiling is \_\_\_\_\_. (MET 3.15.3)

15. Who is responsible for obstacle avoidance when a VFR aircraft is being radar vectored? \_\_\_\_\_ (RAC 1.5.5)

16. If an ATC clearance is not acceptable, what should the pilot-in-command immediately do?

\_\_\_\_\_

\_\_\_\_\_

**(RAC 1.7)**

17. Which classes of airspace require the use of a functioning transponder? All Class \_\_\_\_\_ airspace and any Class \_\_\_\_\_ airspace specified as transponder airspace. (RAC 1.9.2)

18. When two aircraft are converging at approximately the same altitude, the pilot-in-command of the aircraft that has the other on its right shall give way, except as follows:

(a) \_\_\_\_\_  
\_\_\_\_\_;

(b) \_\_\_\_\_;

(c) \_\_\_\_\_; and

(d) \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_. **(RAC 1.10 )**

19. To preserve the natural environment of national, provincial and municipal parks, reserves and refuges, and to minimize the disturbance to the natural habitat, overflights of these areas should not be conducted below \_\_\_\_\_.

**(RAC 1.14.5)**

20. What are the VFR cruising altitudes appropriate to an eastbound track above 3 000 ft AGL? \_\_\_\_\_ **(RAC 2.3.1)**

21. In controlled airspace, the minimum VFR flight visibility is \_\_\_\_\_ mi., and the minimum distance from cloud is \_\_\_\_\_ horizontally and \_\_\_\_\_ vertically. **(RAC 2.7.3)**

22. Before entering Class C airspace, VFR flights require \_\_\_\_\_ from ATC and before entering Class D airspace, VFR flights must \_\_\_\_\_

\_\_\_\_\_ ATC unit.

**(RAC 2.8.3 and 2.8.4)**

23. An aircraft could be permitted in Class F restricted airspace only if \_\_\_\_\_.

**(RAC 2.8.6)**

24. Pilot Briefing Services are available at telephone number \_\_\_\_\_ . Bilingual Pilot Briefing Services are available at telephone number \_\_\_\_\_. **(RAC 3.2)**

25. After asking the passengers for their personal weights, what weight should be added for clothing on a winter flight? \_\_\_\_\_  
**(RAC 3.5.1)**

26. A flight itinerary may be filed with a responsible person. A “responsible person” means an individual who has agreed to ensure that an overdue aircraft is reported to \_\_\_\_\_  
\_\_\_\_\_. **(RAC 3.6.2)**

27. The closing of a flight plan or flight itinerary prior to landing is considered as filing an arrival report, and as such, it will result in \_\_\_\_\_  
\_\_\_\_\_. **(RAC 3.12.2)**

28. Where possible, pilots are required to report at least \_\_\_\_\_ min prior to entering an MF or ATF area. **(RAC 4.5.7)**

**140230 CYUL ST-JEAN  
CYJN UNMANNED AERIAL VEHICLE OPS RADIUS 1.1 NM CENTRE  
451813N 732553W (APRX 6 NM WNW AD) SFC TO 600 FT MSL  
1400-1900 DLY  
1403261400 TIL 1403271900**

29. Refer to the NOTAM above. The UAV activity is expected to start at \_\_\_\_\_ UTC on \_\_\_\_\_ (date). **(MAP 5.6.1)**

30. An aircraft altimeter which has the current altimeter setting applied to the subscale should not have an error of more than \_\_\_\_\_ when compared to the known ground elevation. **(AIR 1.5.1)**
31. The effect of a mountain wave often extends as far as \_\_\_\_\_ NM downwind of the mountains **(AIR 1.5.6)**
32. If the background landscape does not provide sufficient contrast you will/will not see a wire or cable while flying near power lines. **(AIR 2.4.1)**
33. The NAV CANADA Aviation Weather Web Site is found at  
[https://flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=NS\\_Inconnu&Page=forecast-observation&TypeDoc=html](https://flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=NS_Inconnu&Page=forecast-observation&TypeDoc=html)

Go to the Forecasts and Observations Web page and familiarize yourself with the Aeronautical Information Circulars (AICs) and AIP Supplements.

Record the most recent AIC number here: \_\_\_\_\_ **(NAV CANADA Web site)**

## **AEROPLANE**

34. Hydroplaning is a function of the \_\_\_\_\_, \_\_\_\_\_ and speed. Moreover, the minimum speed at which a non-rotating tire will begin to hydroplane is \_\_\_\_\_ than the speed at which a rotating tire will begin to hydroplane. **(AIR 1.6.5)**
35. **To achieve a turn of the smallest radius and greatest rate for a given angle of bank, fly at the \_\_\_\_\_ safe airspeed for the angle of bank.** (Use Aeroplane references)

## AEROPLANE & HELICOPTER

36. In addition to the classic whiteout condition of unbroken snow cover beneath a uniformly overcast sky, name two other phenomena that are known to cause whiteout. \_\_\_\_\_, and \_\_\_\_\_.(AIR 2.12.7)

## HELICOPTER

37. On a two-bladed helicopter with a teetering rotor system, a flight manoeuvre that causes even a small amount negative g force could result in \_\_\_\_\_.  
**(Use Helicopter References)**

38. What are the two methods of recovery from a vortex ring state?  
\_\_\_\_\_ or \_\_\_\_\_. **(Use Helicopter References)**

## GLIDER

39. During a medium banked turn on tow, the glider's nose should be pointed towards the towplane's \_\_\_\_\_. **(Use Glider References)**

40. What should you do when slack in the towline is excessive or beyond a pilot's capability to safely recover? \_\_\_\_\_ **(Use Glider References)**

## GYROPLANE

41. If a gyroplane took off with its centre of gravity aft of the longitudinal limit, the aircraft may not be able to establish level flight, even with maximum \_\_\_\_\_ cyclic. **(Use Gyroplane references)**

## BALLOONS

42. No person shall operate a balloon over a built-up area without carrying on board sufficient fuel to permit the balloon to fly clear of the built-up area, taking into consideration the take-off weight of the balloon, the \_\_\_\_\_ and \_\_\_\_\_, and possible variations of those factors. **(CAR 602.18)**

### Answers to the 2014 Self-Paced Study Program

1. an aircraft, vehicle or person
2. With flags, cones or wing bar lights.
3. 15 kt or above
4. ATS unit; the name of the location of the RCO followed by the individual letters R-C-O in a non-phonetic form
5. follow normal communications failure procedures; 7600
6. 24 hours; 0000Z, 0600Z, 1200Z, 1800Z.
7. (As per CFS)
8. hatched areas enclosed by a dashed green line
9. 200 ft overcast.
10. 1300Z.
11. 6+ SM.
12. 9900.
13. true
14. 5/8 SM, 700 ft AGL
15. The pilot.
16. Inform ATC of this fact since acknowledgement of the clearance alone will be taken by a controller as indicating acceptance.
17. A, B, and C; D or E

18. (a) a power-driven, heavier-than-air aircraft shall give way to airships, gliders and balloons;
  - (b) an airship shall give way to gliders and balloons;
  - (c) a glider shall give way to balloons;
  - (d) a power-driven aircraft shall give way to aircraft that are seen to be towing gliders or other objects or carrying a slung load
19. 2,000 ft AGL
20. Odd thousands plus 500 ft ASL.
21. 3; 1 mi.; 500 ft
22. a clearance; establish two-way communication with the appropriate
23. permission has been obtained from the user agency
24. 1-866-WXBRIEF (1-866-992-7433); 1-866-GOMÉTÉO (1-866-466-3836)
25. 6.4 kg or 14 lb for each passenger.
26. an ATC unit, an FSS, a CARS, or a RCC
27. the termination of all alerting services with respect to search and rescue notification.
28. 5
29. 14:00; March 26, 2014
30. +/- 50 ft
31. 100
32. will not
33. (Most recent AIC)
34. water depth; tire pressure; lower
35. lowest
36. Water-fog whiteout; blowing snow whiteout; or precipitation whiteout
37. mast bumping
38. Increasing forward speed; entering autorotation

39. upper wing tip

40. Immediately release from the aerotow.

41. forward

42. ambient temperature; actual and forecast winds