

**DARMSTADT FLYING CLUB**  
**2008 FLIGHT REVIEW & CLUB CHECK OUT**

Timm Preusser. File: [dfc-co08.doc](#). Date: 1 February 2008

**1. Pilot Details and Experience**

**2. Ground Briefings, Oral**

See yearly DFC questionnaire on the DFC web page, containing questions related to:

- a) FAR Part 61 Pilot Certification, FAR Part 91 General Operating and Flight Rules
- b) Review of German Airspace and Rules
- c) DFC Operating Rules
- d) Obtaining Weather Information
- e) Airplane characteristics, Performance Sheet

**3. Flight Maneuvers (from Private Pilot Practical Test Standards)**

**Required every 2 years only if continuously current (90 day rule)**

- a) Preflight operations
- b) Ground operations, including steering & braking
- c) Airport and traffic pattern operations, including pos. exchange of controls
- d) Radio communication.
- e) Requesting transponder check or traffic information
- f) 3 Takeoffs and Landings, different types
- g) Maneuvering during slow flight. Power off stall
- h) Steep turns
- i) Radio and GPS navigation
- j) Basic instrument maneuvers (Hood). Recovery from unusual attitude
- k) Emergency maneuvers
- l) Student preference maneuvers
- m) Other maneuvers from PTS at CFI's discretion

**4. Debriefing**

**5. Second Checkout**

In case of 2 checkouts in 2 planes within the same calendar year (December 31 being the ultimate), pilots showing the following experience shall have a reduced checkout only. Requested experience: Since the checkout in the other plane, they were continuously (no break allowed) current according to FAR 61.57 (three takeoffs/landings every 90 days).

In this case, it is requested to demonstrate at least:

- 1 takeoff and 1 landing in second plane within PTS standards
- Slow flight in second plane
- Familiarity with aircraft operating systems, radios and avionics
- Student preference maneuvers

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**PILOT DETAILS and EXPERIENCE**

**Note: THIS sheet and the QUESTIONNAIRE are required EVERY 12 months to avoid your flying privileges being suspended.**

Name: \_\_\_\_\_

Street: \_\_\_\_\_

ZIP & Town: \_\_\_\_\_

Phone \_\_\_\_\_ Handy \_\_\_\_\_

e-mail: \_\_\_\_\_ Fax \_\_\_\_\_

Pilot Certificate Number: \_\_\_\_\_ Log Book Total Time: \_\_\_\_\_

PPL [ ] CPL [ ] ATP [ ] IFR [ ] SEL [ ] MEL [ ] SES [ ] MES [ ] CFI [ ] CFII [ ]

Medical Certificate Grade: \_\_\_\_\_ Date issued \_\_\_\_\_

US FCC Radio Permit, Date issued: \_\_\_\_\_

Last Club Checkout 825: \_\_\_\_\_ 49Z: \_\_\_\_\_ Last BFR: \_\_\_\_\_

Have you been continuously current (FAR 61.57 90-day rule) during the last 12 months? Please state 12 corresponding landings from your logbook:

\_\_\_\_\_

In case you were continuously current during the last 12 months AND your BFR is still good for at least 10 months, you are not required to execute the flight portion of the Club Checkout. If you need, or would like, to have a Checkout with a DFC CFI, please fill in the following section for the DFC records.

CHECK OUT: Aircraft Type: \_\_\_\_\_ Registration: \_\_\_\_\_

Type of Check Out: DFC-CCO [ ] FAR 61.56 BFR [ ] FAR 61.57 IPC [ ]

Pilot Signature, stating that all above information is true: \_\_\_\_\_

Club Checkout passed: Date: \_\_\_\_\_ CFI Signature: \_\_\_\_\_

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## AIRPLANE & AIRSPACE QUIZ

### CROSS COUNTRY FLIGHT PLANNING

1. Plan a flight from Egelsbach (EDFE) to Zell am See, Austria (LOWZ). Prepare a NavLog and an ICAO Flightplan. Anything special to cross the mountains? Anything special concerning your departure at Egelsbach? What route do you fly, and what altitude?

Assume 2 people each 190 lbs and 40 lbs baggage for the C152, or 3 people each 190 lbs and 90 lbs baggage for the C172. Then fill up fuel to the remaining gross weight. Determine fuel consumption. Can you make the flight without a refueling stop? (DFC fuel reserves are ...?). How much minimum fuel do you need upon landing at Zell?

Determine takeoff and landing distances over a 50ft obstacle at each airport used for this flight and check against runway lengths. Assume a standard pressure (29.92 Hg, 1013 Hpa) day with a temperature of 20°C, a dew point of 5°C and no surface wind. Determine Density Altitude for Egelsbach and Zell. How high will the ceiling of the cumulus clouds be at Zell am See? Is this high enough to enter the valley from the North?

Egelsbach data are: EDFE, Elevation 384 ft, Rwy 09/27, TORA 1166/1400 m.  
Zell data are: LOWZ, Elevation 2470', Rwy 08/26, 660 m (Landing 08: 540m).  
For LOWZ Info see [www.flugplatz-zellamsee.at/For\\_Pilots/for\\_pilots.html](http://www.flugplatz-zellamsee.at/For_Pilots/for_pilots.html) .

## **DOCUMENTS, REQUIREMENTS & AIRSPACE**

2. What are the most important Aircraft Documents for an N-registered airplane?
3. Where would you find, and where would you leave DFC passenger liability disclaimers?
4. What are the requirements to remain current as a private pilot? (61.56, 57).
5. Can a Ground Trainer (Flight Training Device, PCATD) be used instead of an airplane for the flight portion of the BFR?

**WEATHER**

6. Refer to the Met Infos below. Which are TAFs (Terminal Area Forecast), which are METARs (Aviation Routine Weather Report)? Which of the reporting stations have VFR weather, and when?

January 2005: EDXW 130950Z 29018KT 9999 VCSH FEW010TCU  
06/05 Q1014=

February 2008: LOWZ 031000Z 18003KT 50KM SKC M03/M07 Q1020  
SKC=

March 2007: EDDV 030900Z 031019 18012KT 9999 FEW030 TEMPO  
1019 17015G25KT=

April 2005: EDDK 121856Z 32005KT 1500 RA OVC007 17/16 Q1000  
RMK RAB35=

May 2005: EDDR 051200Z 051322 18012KT 9999 SCT020 BECMG  
1315 14015G25KT=

July 2006: EDDM 051213Z 051322 16014KT CAVOK BECMG 1618  
13018G28KT SCT020 BKN100 BECMG 1820 11020G35KT BECMG 2022  
7000 -RA SCT010 BKN015 PROB40 TEMPO 2022 11026G40KT=

October 2004: EDFH 241220Z 241322 24010KT 0800 FG VV002  
TEMPO 1316 0400 FG VV000 BECMG 1619 1500 BR BKN008=

November 2007: LFST 051320 051320Z 19100KT 1500 SCT008  
BKN020TCU 03/M03 Q1000=

7. What is Density Altitude and how do you calculate it?

Hint: [http://wahiduddin.net/calc/calc\\_da.htm](http://wahiduddin.net/calc/calc_da.htm)

8. You are in your airplane sitting on the ground before starting to taxi. You notice that the wind has picked up, and that your altimeter reads a little higher than airport elevation (or tower gives you a lower QNH). What do you make of this?
9. On what frequencies do you receive weather information (ATIS, Volmet, Airmet, Sigmet) for the Rhein-Main area? At what times?
10. What are your **Personal** limits for wind, visibility and ceiling:
  - a) VFR takeoff and land
  - b) VFR cross country
  - c) IFR takeoff and land
  - d) IFR ceiling on a XC

## AIRPLANE

11. What are the most important Aircraft Currency Requirements?
12. How can you make sure that the DFC plane you want to fly is legal in the sense of the 100hr. inspection, annual inspection, ELT battery? If you want to fly IFR, what additional data do you have to check?
13. If an airplane is equipped with a fixed pitch propeller and a float-type carburetor, the first indication of carburetor icing would be
  - (a) a drop in oil temperature and cylinder head temperature;
  - (b) engine roughness;
  - (c) loss of RPM?
14. What effect, if any, does high humidity have on aircraft performance?
15. Where is the ELT On/Off/Auto switch situated in the DFC airplanes?

**PREFLIGHT – TAXI - RUNUP**

16. Which electrical systems do you check during the preflight?
17. What are the different methods for checking the accuracy of VOR receiver equipment?
18. What is “front” side of the propeller, where you would primarily search for crackss and uneven surface?
19. During preflight you notice low tire pressure. Where at Egelsbach would you find the tire air compressor? What is the correct tire pressure?

**TAKEOFF – CRUISE - LANDING**

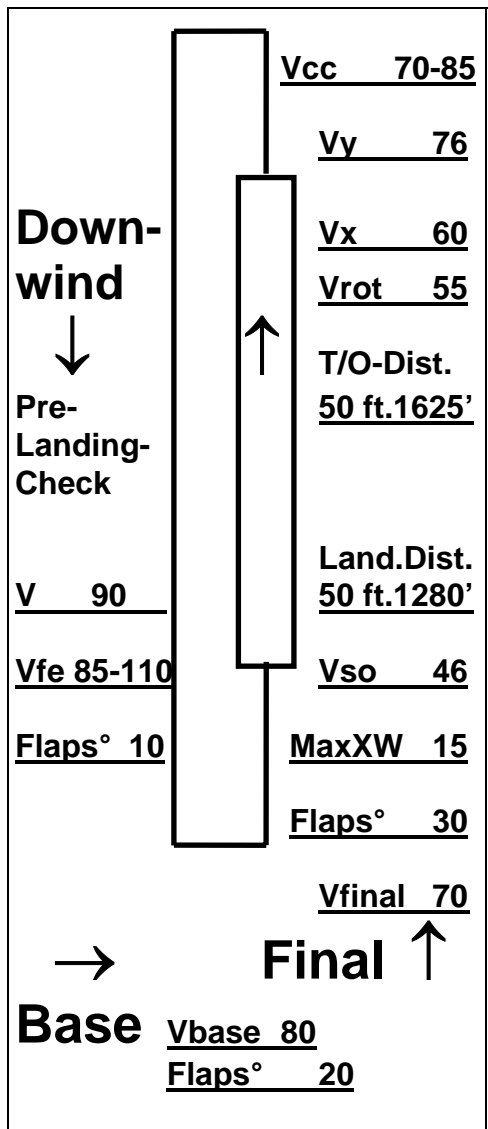
20. How can you, as a rule of thumb, determine approach speed, best glide speed, and  $V_x$ ?
21. What should you do when a door pops open during takeoff?
22. What would you do if you get into turbulence?
23. You are on a XC-flight. What is „Traffic Information“ service? How do you obtain this service? What Frequencies? What do you say, and what are you supposed to do?
24. What is the “300 ft per mile”?
25. Assume the runway is 87/267 degrees and you are inbound for landing. BRG=180, Track=267. Where are you?
  - a. Right downwind for 09
  - b. Left downwind for 09
  - c. Right downwind for 27
  - d. Left downwind for 27

# PERFORMANCE CHART

<b>Registration</b>	N98825
<b>Type</b>	C172 P
<b>Chart Date</b>	6.2.02

<b>Max. Weight</b>	2400 lbs
<b>Emty Weight</b>	1542 lbs
<b>Fuel Gal L/R</b>	<b>20/20</b>
<b>Fuel Lits L/R</b>	<b>75/75</b>
<b>Cruise Gal/h</b>	<b>8,6</b>
<b>Climb Gal/h</b>	<b>12</b>
<b>Serv.Ceiling</b>	<b>13000'</b>
<b>Voltage</b>	<b>24</b>

<b>Speeds in</b>	<b>KIAS</b>
Vne	158
Vno	127
Va	82-99
Vs flaps up	51(44ind)
Vso	46(33ind)
Vfe	85(110)
Vx	60
Vy	76
Best Glide	65
Vr short field	50



# PERFORMANCE CHART

<b>Registration</b>	N1349Z
<b>Type</b>	C152
<b>Chart Date</b>	6.2.02

<b>Max. Weight</b>	1670 lbs
<b>Emty Weight</b>	1159 lbs
<b>Fuel Gal L/R</b>	12/12
<b>Fuel Lits L/R</b>	46/46
<b>Cruise Gal/h</b>	6,1
<b>Climb Gal/h</b>	9
<b>Serv.Ceiling</b>	14700'
<b>Voltage</b>	24

<b>Speeds in</b>	<b>KIAS</b>
Vne	149
Vno	111
Va	93-104
Vs flaps up	48(40ind)
Vso	43(35ind)
Vfe	85
Vx	55
Vy	67
Best Glide	60
Vr short field	45
Vle	

