

**Autoritatea Aeronautică Civilă Română**



Operator de date cu caracter personal înregistrat la ANSPDCP cu nr. 20425

**Anexa 51. CPN-T-TR SPH SE/ME-EN**

AACR Nr. \_\_\_\_\_ / \_\_\_\_\_

**TYPE RATING/TRAINING/SKILL TEST AND PROFICIENCY CHECK FOR SE AND ME SPH INCLUDING PROFICIENCY CHECKS FOR THE IR (H)**

Please complete the form in block capitals using blue ink.

|                             |                         |                                  |              |
|-----------------------------|-------------------------|----------------------------------|--------------|
| Applicant Name and Surname: |                         |                                  |              |
| Licence no.                 |                         | Validity                         |              |
| 1                           | Details of the flight   |                                  |              |
| Helicopter type             |                         | Departure aerodrome              |              |
| Registration                |                         | Destination aerodrome:           |              |
| Rotor start                 |                         | Rotor Stop                       |              |
| Flight Time:                |                         | Landings:                        |              |
| 2                           | Result of Test          |                                  |              |
| Passed                      |                         | Failed                           | Partial pass |
| 3                           | Practical training data |                                  |              |
| From:                       | To:                     | Location:                        | A/c : PF:    |
| Name Head of Training       |                         | Head of Training Signature       |              |
| 4                           | Remarks                 |                                  |              |
| Location and date:          |                         | Type and number of FE's licence: |              |
| Signature of FE:            |                         | Name of FE, in capitals:         |              |

**Notes:**

- 1 The following abbreviations are used to indicate the training equipment used:  
 FS = Flight Simulator  
 FTD = Flight Training Device  
 H = Helicopter
- 2 The starred items (\*) shall be flown in actual or simulated IMC, only by applicants wishing to renew or revalidate an IR(H), or extend the privileges of that rating to another type.
- 3 Pass section 5 of the proficiency check either for revalidation or renewal of IT rating.
- 4 For SPH - pass sections 1 to 4 and 6 (as applicable) of the skill test/proficiency check.
- 5 Where the letter 'M' appears in the skill test/proficiency check column this will indicate the mandatory exercise.
- 6 **Duration of test, minimum 60 minutes.**
- 7 Limitations

| IFR   | VFR   |
|---|---|
| Height: Generally ± 100 feet<br>Starting a go-around at decision height + 50 feet/-0 feet<br>Minimum descent height/altitude + 50 feet/-0 feet<br>Tracking<br>On radio aids ± 5°<br>Precision approach half scale deflection, azimuth and glide path<br>Heading: normal operations ± 5°<br>abnormal operations/emergencies ± 10°<br>Speed: generally ± 10 knots<br>with simulated engine failure +10 knots/-5 knots | Height: generally ± 100 feet<br>Heading: normal operations ± 5°<br>abnormal operations/emergencies ± 10°<br>Speed: generally ± 10 knots<br>with simulated engine failure +10 knots/-5 knots<br>Ground drift<br>T.O. hover I.G.E. ± 3 feet<br>Landing: ± 2 feet (with 0 feet rearward or lateral flight) |

**P** pass      **R** Pass after repeat      **F** fail      **N/A** Not applicable      **/** Not performed.

| Manoeuvres/Procedures  | Practical Training |    |   |                      | Instructor's initials when training completed | Proficiency check   |  |  |
|--|--------------------|----|---|----------------------|---|---------------------|--|--|
|  |                    |    |   | Type rating          |   | Skill Test          |  |  |
|  | FTD                | FS | H | Check no.1 in FS / H |   | Check no2 in FS / H | Examiner's initials when test/check passed                           |  |
| 1  | 2                  | 3  | 4 | 5                    | 12  | 13                  | 14   |  |
| <b>SECTION 1 Pre-flight preparation and checks</b>   |                    |    |   |                      |   |                     |  |  |
| M1.1 Helicopter exterior visual inspection; location of each item and purpose of inspection..  |                    |    | P |                      |   |                     |  |  |
| M1.2 Cockpit inspection.   |                    | P  | P |                      |   |                     |  |  |
| M1.3 Prior to starting engines, starting procedures, radio and navigation equipment check, selection and setting of navigation and communication frequencies | P                  | P  | P |                      |   |                     |  |  |
| M1.4 Taxiing/air taxiing in compliance with air traffic control instructions or on instructions of an instructor   |                    | P  | P |                      |   |                     |  |  |
| M1.5 Pre take-off procedures   | P                  | P  | P |                      |   |                     |  |  |
| <b>SECTION 2 Flight manoeuvres and procedures</b>  |                    |    |   |                      |   |                     |  |  |
| M 2.1 Take-offs (various profiles)   |                    | P  | P |                      |   |                     |  |  |
| 2.2. Sloping ground take-offs & landings   |                    | P  | P |                      |   |                     |  |  |
| 2.3 Take-off at maximum take-off mass (actual or simulated maximum take-off mass)  | P                  | P  | P |                      |   |                     |  |  |
| M 2.4.1 Take off with simulated engine failure shortly before reaching TDP, or DPATO   |                    | P  | P |                      |   |                     |  |  |
| M2.4.2 Take off with simulated engine failure shortly after reaching TDP, or DPATO   |                    | P  | P |                      |   |                     |  |  |
| M 2.5 Climbing and descending turns to specified headings  | P                  | P  | P |                      |   |                     |  |  |
| M 2.5.1. Turns with 30 degrees bank, 180 degrees to 360 degrees left and right, by sole reference to instruments   | P                  | P  | P |                      |   |                     |  |  |
| M 2.6 Autorotative descents  | P                  | P  | P |                      |   |                     |  |  |
| M 2.6.1 Autorotative landing or power recovery   |                    | P  | P |                      |   |                     |  |  |
| M 2.7 Landings various profiles  |                    | P  | P |                      |   |                     |  |  |
| M 2.7.1 Go around or landing following simulated engine failure before LDP or DPBL   |                    | P  | P |                      |   |                     |  |  |
| M 2.7.2 Landing following simulated engine failure after LDP or DPBL   |                    | P  | P |                      |   |                     |  |  |
| <b>SECTION 3 Normal and abnormal operations of the following systems and procedures:</b>   |                    |    |   |                      |   |                     |  |  |
| 3. Normal and abnormal operations of the following systems and procedures:   |                    |    |   |                      |   |                     | (A mandatory minimum of 3 items shall be selected from this section) |  |
| 3.1 Engine   | P                  | P  | P |                      |   |                     |  |  |

| 1  | 2 | 3 | 4  | 5 | 12 | 13 | 14   |
|--|---|---|--|---|----|----|--|
| 3.2 Air conditioning (heating, ventilation)  | P | P | P  |   |    |    |  |
| 3.3 Pitot/static system  | P | P | P  |   |    |    |  |
| 3.4 Fuel System  | P | P | P  |   |    |    |  |
| 3.5 Electrical system  | P | P | P  |   |    |    |  |
| 3.6 Hydraulic system   | P | P | P  |   |    |    |  |
| 3.7 Flight control and Trim-system   | P | P | P  |   |    |    |  |
| 3.8 Anti- and de-icing system  | P | P | P  |   |    |    |  |
| 3.9 Autopilot/Flight director  | P | P | P  |   |    |    |  |
| 3.10 Stability augmentation devices  | P | P | P  |   |    |    |  |
| 3.11 Weather radar, radio altimeter, transponder   | P | P | P  |   |    |    |  |
| 3.12 Area Navigation System  | P | P | P  |   |    |    |  |
| 3.13 Landing gear system   | P | P | P  |   |    |    |  |
| 3.14 APU   | P | P | P  |   |    |    |  |
| 3.15 Radio, navigation equipment, instruments flight management system   | P | P | P  |   |    |    |  |
| <b>SECTION 4 Abnormal and emergency procedures</b>   |   |   |  |   |    |    |  |
| <b>M 4</b> Abnormal and emergency procedures   |   |   |  |   |    |    | A mandatory minimum of 3 items shall be selected from this section |
| 4.1 Fire drills (including evacuation if applicable)   | P | P |  |   |    |    |  |
| 4.2 Smoke control and removal  | P | P |  |   |    |    |  |
| 4.3 Engine failures, shut down and restart at a safe height  | P | P |  |   |    |    |  |
| 4.4 Fuel dumping (simulated)   | P | P |  |   |    |    |  |
| 4.5 Tail rotor control failure (if applicable)   | P | P |  |   |    |    |  |
| 4.5.1 Tail rotor loss (if applicable)  | P | P | Helicopter shall not be used for this exercise |   |    |    |  |
| 4.6 Transmission malfunction   | P | P | P  |   |    |    |  |
| 4.7 Other emergency procedures as outlined in the appropriate Flight Manual  | P | P | P  |   |    |    |  |
| <b>SECTION 5 Instrument Flight Procedures (to be performed in IMC or simulated IMC)</b>                            |   |   |  |   |    |    |  |
| * 5.1 Instrument take-off: transition to instrument flight is required as soon as possible after becoming airborne | P | P | P  |   |    |    |  |
| *M 5.1.1 Simulated engine failure during departure   | P | P | P  |   |    |    |  |
| *M 5.2 Adherence to departure and arrival routes and ATC instructions  | P | P | P  |   |    |    |  |
| * 5.3 Holding Procedures   | P | P | P  |   |    |    |  |
| * 5.4 ILS-approaches down to CAT 1   | P | P | P  |   |    |    |  |

| 1  | 2         | 3 | 4 | 5 | 12                          | 13 | 14 |
|--|-----------|---|---|---|-----------------------------|----|----|
| decision height  |           |   |   |   |                             |    |    |
| * <b>M</b> 5.4.1 Manually, without flight director   | P         | P | P |   | M,<br>skill<br>test<br>only |    |    |
| *5.4.2 Manually, with flight director  | P         | P | P |   |                             |    |    |
| *5.4.3 With coupled autopilot  | P         | P | P |   |                             |    |    |
| * <b>M</b> 5.4.4 Manually, with one engine simulated inoperative. (Engine failure has to be simulated during final approach before passing the outer marker (OM) until touchdown or until completion of the missed approach procedure) | P         | P | P |   |                             |    |    |
| * <b>M</b> 5.5 Non-precision approach down to the minimum descent altitude MDA/H   | P         | P | P |   |                             |    |    |
| *5.6 Go-around with all engines operating on reaching DA/DH or MDA/MDH   | P         | P | P |   |                             |    |    |
| *5.6.1 Other missed approach procedures  | P         | P | P |   |                             |    |    |
| * <b>M</b> 5.6.2 Go-around with one engine simulated inoperative on reaching DA/DH or MDA/MDH  | P         | P | P |   |                             |    |    |
| * <b>M</b> 5.7 IMC autorotation with power recovery  | P         | P | P |   |                             |    |    |
| * <b>M</b> 5. Recovery from unusual attitudes  | P         | P | P |   |                             |    |    |
| <b>SECTION 6 Use of Optional equipment</b>   |           |   |   |   |                             |    |    |
| 6 Use of optional equipment  | P         | P | P |   |                             |    |    |
| <b>Final result</b>  |           |   |   |   |                             |    |    |
| Instructors signature /Date of test  |           |   |   |   |                             |    |    |
| EXAMINER<br><i>Name/surname</i>  | Signature |   |   |   | No. authorisation           |    |    |