

Swiss Confederation

Federal Department of the Environment, Transport, Energy and Communications DETEC

Federal Office of Civil Aviation FOCA

Division Helicopter Flight Operations

| TR SP (H) TRAINING | Applicant's license number: | |
|--------------------|-----------------------------|--|
| | | |

| Applicar | nt | | | | | | |
|--|---|-------------|---|-------------------------|--|--|--|
| Last name: | :First | name: _ | | Date of birth: | | | |
| Place of bir | rth:Plac | e of origi | in: | Nationality: | | | |
| Postal code: City: Street: | | | | | | | |
| Phone/mot | oile: | | Phone/fax office: | | | | |
| e-mail: | | | Signature of applicant: | | | | |
| | | | | | | | |
| ATO | | | | | | | |
| Name: | | | registration Nr | · | | | |
| | INITIAL TYPE | | ADDITIONAL TYPE | | | | |
| | SEP (H) | | SEP(H) to SEP(H) within AMC1 F | FCL.740.H (a)(3) | | | |
| | SET(H) under 3175 kg MTOM | | SEP(H) to SEP(H) not included in | n AMC1 FCL.740.H (a)(3) | | | |
| | SET(H) at or over 3175 kg MTOM | | SET(H) to SET(H) | | | | |
| | SPH MET (H) CS and FAR 27 and 29 | | SE difference training | | | | |
| | SE IR(H) to ME IR(H) | | MET(H) to MET(H) | | | | |
| | | | ME difference training | | | | |
| Check a | as appropriate: | | IR(H) to IR(H) further types | | | | |
| | | | | | | | |
| Type Ra | _ | | | | | | |
| HELICC | OPTER TYPE: | | variant: | | | | |
| | ing theoretical knowledge examinatio icant shall pass the skill test within a per | - | | | | | |
| Helicopter | r type: | | Variant: | | | | |
| Date: | Date: FI/TRI Signature / License Nr: | | | | | | |
| Flight Ex | xperience | | | | | | |
| Total time | HEL: | | Total time PIC HEL: | | | | |
| Flight Ex | xperience on new type | | | | | | |
| | | | Total landings on type: | | | | |
| Total time on HEL: | | | 0 7. | | | | |
| | | /el | | | | | |
| The applicant has satisfactorily completed the type rating course (including theoretical knowledge) required by FCL 725(a) within the 6 months preceding the skill test. | | | | | | | |
| Date: | Date: Chief FI signature / License Nr: | | | | | | |
| | | FI/TRI S | Signature / License Nr: | | | | |
| | | | | | | | |
| On compl | letion of the related flying training, the applicar | nt shall ta | ake the type rating skill test. FOCA forn | n 61.525 | | | |

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| Pre-requisites for initial ME Type Rating |
|--|
| Experience before starting flight training: |
| ATPL(H) theoretical knowledge examinations: date: or |
| Hold a certificate of completion of a pre-entry course conducted by an ATO date: |
| Total Helicopter PIC flight time:(MNM 70 HR)HH:MM |

Operational Suitability Data

If an OSD report is available for the appropriate type rating, refer to the OSD report.

Initial issue (AMC2 FCL.725(a))

The flight instruction (excluding skill test) should comprise:

| Helicopter types | In HEL | In helicopter and FSTD associated training Credits |
|--------------------------------|--------|--|
| SEP (H) | 5 hrs | Using FFS C/D: At least 2 hrs helicopter and at least 6 hrs total |
| SEF (II) | 31115 | Using FTD 2/3: At least 4 hrs helicopter and at least 6 hrs total |
| SET(H) under 3175 kg MTOM | 5 hrs | Using FFS C/D: At least 2 hrs helicopter and at least 6 hrs total |
| SET(H) dilider 31/3 kg MTOM | 51118 | Using FTD 2/3: At least 4 hrs helicopter and at least 6 hrs total |
| SET(H) at or over 3175 kg MTOM | 8 hrs | Using FFS C/D: At least 2 hrs helicopter and at least 10 hrs total |
| SET(H) at or over 3175 kg WTOW | 01115 | Using FTD 2/3: At least 4 hrs helicopter and at least 10 hrs total |
| CDL MET/LI) CC 9 FAD 27 9 20 | 0.1 | Using FFS C/D: At least 2 hrs helicopter and at least 10 hrs total |
| SPH MET(H) CS & FAR 27 & 29 | 8 hrs | Using FTD 2/3: At least 4 hrs helicopter and at least 10 hrs total |

Additional types (AMC2 FCL.725(a))

The flight instruction (excluding skill test) should comprise:

| Helicopter types | In HEL | In helicopter and FSTD associated training Credits |
|--|--------|--|
| SEP(H) to SEP(H) within AMC1 FCL.740.H (a)(3) | 2 hrs | Using FFS C/D: At least 1 hr helicopter and at least 3 hrs total Using FTD 2/3: At least 1 hr helicopter and at least 4 hrs total |
| SEP(H) to SEP(H) not included in AMC1 FCL.740.H (a)(3) | 5 hrs | Using FFS C/D: At least 1 hr helicopter and at least 6 hrs total Using FTD 2/3: At least 2 hr helicopter and at least 7 hrs total |
| SET(H) to SET(H) | 2 hrs | Using FFS C/D: At least 1 hr helicopter and at least 3 hrs total Using FTD 2/3: At least 1 hr helicopter and at least 4 hrs total |
| SE difference training | 1 hrs | N/A |
| MET(H) to MET(H) | 3 hrs | Using FFS C/D: At least 1 hr helicopter and at least 4 hrs total Using FTD 2/3: At least 2 hrs helicopter and at least 5 hrs total |
| ME difference training | 1 hrs | N/A |

IR(H)

Holders of an IR(H) wishing to extend the IR(H) to further types should have additionally 2 hours flight training on type by sole reference to instruments according to IFR which may be conducted in an FFS C/D or FTD 2/3. Holders of an SE IR(H) wishing to extend the IR privileges to an ME IR(H) for the first time should complete at least 5 hours training.

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FLIGHT TIME RECORD

| DATE dd.mm.yy | TIME THIS LESSON | TOTAL TIME | DUAL | TOTAL DUAL | SOLO | TOTAL SOLO | FFS C/D | FTD 2/3 | TOTAL INSTRUMENT |
|------------------|---------------------|---------------|------|---------------|------|---------------|------------|---------|---------------------|
| | | | | | | | | | |
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| | | ed listing for helicopters structure, transmissions, rotors and equipment, normal onormal operation of systems: | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|
| | | ensions | | | | | | | |
| (2) | | ine including aux. power unit, rotor and transmissions; if an initial type rating for a turbine | | | | | | | |
| | eng | ine helicopter is applied for, the applicant should have received turbine engine instruction: | | | | | | | |
| | (i) | type of engine or engines; | | | | | | | |
| | (ii) | in general, the function of the following systems or components: | | | | | | | |
| | | (A) engine; | | | | | | | |
| | | (B) auxiliary power unit; | | | | | | | |
| | | (C) oil system; | | | | | | | |
| | | (D) fuel system; | | | | | | | |
| | (E) ignition system; | | | | | | | | |
| | | (F) starting system; | | | | | | | |
| | | (G) fire warning and extinguishing system; | | | | | | | |
| | | (H) generators and generator drive; | | | | | | | |
| | | (I) power indication; | | | | | | | |
| | | (J) water or methanol injection. | | | | | | | |
| | (iii) | engine controls (including starter), engine instruments and indications in the cockpit, | | | | | | | |
| | , , | their function and interrelation and interpretation; | | | | | | | |
| | (iv) | engine operation, including APU, during engine start and engine malfunctions, proce- | | | | | | | |
| | dures for normal operation in the correct sequence; | | | | | | | | |
| | (v) transmission system: | | | | | | | | |
| | (A) lubrication; | | | | | | | | |
| | | (B) generators and generator drives; | | | | | | | |
| | | (C) freewheeling units; | | | | | | | |
| | | (D) hydraulic drives; | | | | | | | |
| | | (E) indication and warning systems. | | | | | | | |
| | (vi) | type of rotor systems: indication and warning systems. | | | | | | | |
| (3) | . , | system: | | | | | | | |
| (i) location of the fuel tanks, fuel pumps, fuel lines to the engines tank capacities, valves | | | | | | | | | |
| | ,, | and measuring; | | | | | | | |
| | (ii) | the following systems: | | | | | | | |
| | () | (A) filtering; | | | | | | | |
| | | (B) fuelling and defuelling heatings; | | | | | | | |
| | | (C) dumping; | | | | | | | |
| | | (D) transferring; | | | | | | | |
| | | (E) venting. | | | | | | | |
| | (iii) | in the cockpit: the monitors and indicators of the fuel system, quantity and flow indica- | | | | | | | |
| | () | tion, interpretation; | | | | | | | |
| | (iv) | fuel procedures distribution into the various tanks fuel supply and fuel dumping. | | | | | | | |
| (4) | . , | conditioning: | | | | | | | |
| (-) | (i) | components of the system and protection devices; | | | | | | | |
| | ` ' | cockpit monitors and indicators; | | | | | | | |
| | ` , | | | | | | | | |
| | | Note: interpretation about the operational condition: normal operation of the system during | | | | | | | |
| | | start, cruise approach and landing, air conditioning airflow and temperature control. | | | | | | | |

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| (5) | ice | and | rain protection, windshield wipers and rain repellent: | |
|------|-------|------|---|-----|
| | (i) | | protected components of the helicopter, including engines and rotor systems, heat | |
| | | sou | rces, controls and indications; | |
| | (ii) | ope | ration of the anti-icing or de-icing system during take-off, climb, cruise and descent, | |
| | | con | ditions requiring the use of the protection systems; | |
| | (iii) | con | trols and indications of the windshield wipers and rain repellent system operation. | |
| (6) | . , | | ic system: | |
| ` , | (i) | | nponents of the hydraulic system(s), quantities and system pressure, hydraulically | |
| | () | | uated components associated to the respective hydraulic system; | |
| | (ii) | | trols, monitors and indicators in the cockpit, function and interrelation and interpreta- | |
| | ` ' | | of indications. | |
| | (iii) | phe | nomenon of "servo transparency" (also known as "jack stall") | |
| (7) | | | gear, skids fixed and floats: | |
| (-) | (i) | | n components of the: | |
| | (-) | | main landing gear; | |
| | | ` ' | nose gear; | |
| | | ` ' | tail gear; | |
| | | | gear steering; | |
| | | | wheel brake system. | |
| | (ii) | . , | r retraction and extension; | |
| | . , | - | uired tyre pressure, or location of the relevant placard; | |
| | | | trols and indicators including warning indicators in the cockpit in relation to the retrac- | |
| | (11) | | or extension condition of the landing gear; | |
| | (v) | | ponents of the emergency extension system. | |
| (8) | | | ontrols, stab- and autopilot systems: controls, monitors and indicators including | |
| (0) | _ | | indicators of the systems, interrelation and dependencies. | |
| (9) | | | al power supply: | |
| (-, | (i) | | nber, power, voltage, frequency and if applicable phase and location of the main | |
| | () | | ver system (AC or DC) auxiliary power system location and external power system; | |
| | (ii) | • | ation of the controls, monitors and indicators in the cockpit; | |
| | . , | | n and back-up power sources flight instruments, communication and navigation sys- | |
| | ` , | | s, main and back-up power sources; | |
| | (iv) | | ation of vital circuit breakers; | |
| | (v) | gen | erator operation and monitoring procedures of the electrical power supply. | |
| (10) | . , | • | struments, communication, radar and navigation equipment, | |
| ` ' | _ | | ht and flight data recorders: | |
| | (i) | ante | ennas; | |
| | (ii) | con | trols and instruments of the following equipment in the cockpit: | |
| | | (A) | flight instruments (for example air speed indicator, pitot static system, compass system, flight dire | ec- |
| | | | tor); | |
| | | (B) | flight management systems; | |
| | | (C) | radar equipment (for example weather radar, transponder); | |
| | | | communication and navigation system (for example HF, VHF, ADF, VOR/DME, ILS, marker beac | on) |
| | | . , | and area navigation systems; | • |
| | | (E) | stabilisation and autopilot system; | |
| | | | flight data recorder, cockpit voice recorder, data-link communication recording function and radio |) |
| | | • | altimeter; | |

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| | | (G) collision avoidance system; |
|------|-------|--|
| | | (H) TAWS; |
| | | (I) HUMS. |
| (11) |) coc | ckpit, cabin and cargo compartment: |
| | (i) | operation of the exterior, cockpit, cabin and cargo compartment lighting and the emer- |
| | | gency lighting; |
| | (ii) | operation of the cabin doors and emergency exits. |
| (12 |) em | ergency equipment: |
| | (i) | operation and correct application of the following mobile emergency equipment in the |
| | | helicopter: |
| | | (A) portable fire extinguisher; |
| | | (B) first-aid kits; |
| | | (C) portable oxygen equipment; |
| | | (D) emergency ropes; |
| | | (E) life-jacket; |
| | | (F) life rafts; |
| | | (G) emergency transmitters; |
| | | (H) crash axes; |
| | | (I) megaphones; |
| | | (J) emergency signals; |
| | | (K) torches. |
| | (ii) | operation and correct application of the fixed emergency equipment in the helicopter: |
| | | emergency floats. |
| | .:4- | |
| | | itions |
| | _ | neral limitations, according to the helicopter flight manual; |
| (2) | mır | nimum equipment list |
| Pe | rfor | mance, flight planning and monitoring |
| | | formance calculation about speeds, gradients, masses in all conditions for take-off, en-route, |
| (-) | | proach and landing: |
| | (i) | take-off: |
| | (.) | (A) hover performance in and out of ground effect; |
| | | (B) all approved profiles, cat A and B; |
| | | (C) HV diagram; |
| | | (D) take-off and rejected take-off distance; |
| | | (E) take-off decision point (TDP) or (DPATO); |
| | | (F) calculation of first and second segment distances; |
| | | (G) climb performance. |
| | (ii) | en-route: |
| | () | (A) air speed indicator correction; |
| | | (B) service ceiling; |
| | | (C) optimum or economic cruising altitude; |
| | | (D) max endurance; |
| | | |
| | | (E) max range; |
| | | (E) max range;(F) cruise climb performance. |

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| | (iii) landing: | |
|-----|--|----|
| | (iii) landing: | |
| | (A) hovering in and out of ground effect; | |
| | (B) landing distance; | |
| | (C) landing decision point (LDP) or (DPBL). | |
| | (iv) knowledge or calculation of: vlo, vle, vmo, vx, vy, vtoss, vne, vmax range, vmini. | |
| (2) | flight planning for normal and abnormal conditions: | |
| | (i) optimum or maximum flight level; | |
| | (ii) minimum required flight altitude; | |
| | (iii) drift down procedure after an engine failure during cruise flight; | |
| | (iv) power setting of the engines during climb, cruise and holding under various circum- | |
| | stances as well as at the most economic cruising flight level; | |
| | | |
| رم، | (v) optimum and maximum flight level and power setting after an engine failure. | |
| (3) | effect of optional equipment on performance. | • |
| Lo | ad, balance and servicing | |
| (1) | load and balance: | |
| ` ´ | (i) load and trim sheet on the maximum masses for take-off and landing; | • |
| | (ii) centre of gravity limits; | |
| | (iii) influence of the fuel consumption on the centre of gravity; | |
| | (iv) lashing points, load clamping, max ground load. | |
| (2) | | |
| (2) | servicing on the ground, servicing connections for: | • |
| | (i) fuel; | |
| | (ii) oil, etc.; | |
| | (iii) and safety regulations for servicing. | |
| Em | nergency procedures | |
| | | |
| | ecial requirements for extension of a type rating for instrument approaches down | to |
| | ecision height of less than 200 ft (60 m): | |
| (1) | airborne and ground equipment: | _ |
| | (i) technical requirements; | |
| | (ii) operational requirements; | |
| | (iii) operational reliability; | |
| | (iv) fail operational; | |
| | (v) fail passive; | |
| | (vi) equipment reliability; | |
| | (vii) operating procedures; | |
| | (viii) preparatory measures; | |
| | (ix) operational downgrading; | |
| | (x) communication. | |
| (2) | procedures and limitations: | |
| (-) | • | • |
| | | |
| | (ii) crew co-ordination. | |
| Sp | ecial requirements for helicopters with EFIS | |
| ļ | | |
| Ор | tional equipment | |

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FLIGHT INSTRUCTION

| Flight Instructor(s) in charge of practical training. | | |
|---|-------------|--|
| Name: | Licence Nr: | |
| Name: | Licence Nr: | |

NOTES

- Grades: Insert P (passed), F (failed), S (solo), D (demo), B (theoretical brief) in
- All exercises must be repeated until a passing grade is consistently achieved
- FI shall initial all exercises when training completed to an acceptable standard (P passed)
- All exercises are mandatory items of training
- Airmanship should be included as required in each exercise
- The following abbreviations are used to indicate the training equipment used:

FFS = Full Flight Simulator

FTD = Flight Training Device

H = Helicopter

- Instrument flight procedures (section 5) shall be flown in actual or simulated IMC, only by applicants wishing to extend the IR(H) privileges of that rating to another type. An FFS or FTD 2/3 may be used for this purpose.
- An FSTD shall be used for practical training if the FSTD forms part of a type rating course. The following considerations will apply to the course:
 - (i) the qualification of the FSTD as set out in Part-OR;
 - (ii) the qualifications of the instructor and examiner;
 - (iii) the amount of FSTD training provided on the course;
 - (iv) the qualifications and previous experience in similar types of the pilot under training; and 25.11.2011 EN Official Journal of the European Union L 311/139
 - (v) the amount of supervised flying experience provided after the issue of the new type rating.

1. Pre-flight preparation and checks

FI visa 1.1 Helicopter exterior visual inspection Location of each item and purpose of inspection **FFS** 1.2 Cockpit inspection Н FTD 1.3 Starting procedures FFS Н FTD Radio and navigation equipment check **FFS** Н FTD Selection and setting of navigation and communication **FFS** frequencies Н FTD 1.4 Taxiing/air taxiing in compliance with ATC or FI instructions **FFS** Н FTD 1.5 Pre take-off procedures and checks **FFS**

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FLIGHT INSTRUCTION

2. Flight manoeuvres and procedures

| FI | l visa |
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| 2.1 Take-offs (various profiles) Open field Confined area / Pinnacle Sloping ground take-offs & landings Crosswind take-offs & landings Take-off at maximum take-off mass (actual or simulated MTOM) Take-off at maximum take-off mass (actual or simulated MTOM) FTD FFS H 2.3 Take-off with simulated engine failure shortly before reaching TDP or DPATO (ME or Specify procedure: Specify procedure: Specify procedure: FFS Specify procedure: Specify procedure: Specify procedure: Specify procedure: Specify procedure: FFS H Specify procedure: Specify procedure: FFS Specify procedure: Specify procedure: FFS Specify procedure: FFS Specify procedure: FFS H Specify procedure: Specify procedure: FFS H S | | | | |
|--|-------|--|--------------------|--|
| Confined area / Pinnacle Confined area / Pinnacle Sloping ground take-offs & landings Crosswind take-offs & landings Take-off at maximum take-off mass (actual or simulated MTOM) FFS H 2.3 Take-off with simulated engine failure shortly before reaching TDP or DPATO (ME of Specify procedure: FFS H Specify procedure: Specify procedure: Specify procedure: Specify procedure: FFS H Specify procedure: Specify procedure: Specify procedure: FFS H Specify procedure: FFS H Specify procedure: Specify procedure: FFS H Specify proced | 2.1 | Take-offs (various profiles) | | |
| 2.2 Sloping ground take-offs & landings Crosswind take-offs & landings FFS Crosswind take-offs & landings Take-off at maximum take-off mass (actual or simulated MTOM) 2.3 Take-off with simulated engine failure shortly before reaching TDP or DPATO (ME or Specify procedure: FFS Specify procedure: Specify procedure: Specify procedure: Specify procedure: FFS Specify procedure: Specify procedure: Specify procedure: FFS Specify procedure | | Open field | | |
| Crosswind take-offs & landings Take-off at maximum take-off mass (actual or simulated MTOM) Take-off with simulated engine failure shortly before reaching TDP or DPATO (ME of Specify procedure: FFS H Specify procedure: Specify procedure: Specify procedure: Specify procedure: FFS H Specify procedure: Specify procedure: FFS H Specify procedure: Specify procedure: FFS H Specify procedure: FFS H Specify procedure: Specify procedure: FFS H Specify proce | | Confined area / Pinnacle | | |
| 2.3 Take-off at maximum take-off mass (actual or simulated MTOM) 2.4 Take-off with simulated engine failure shortly before reaching TDP or DPATO (ME of Specify procedure: Specify procedure: Specify procedure: Specify procedure: FFS H 2.4.1 Take-off with simulated engine failure shortly after reaching TDP or DPATO (ME on Specify procedure: FFS 2.5 Climbing and descending turns to specified headings FTD 2.5.1 Turns with 30° bank, 180° to 360° left and right, by sole reference to instruments FTD 2.6 Autorotative descents | 2.2 | Sloping ground take-offs & landings | | |
| 2.3 Take-off at maximum take-off mass (actual or simulated MTOM) FFS | | Crosswind take-offs & landings | | |
| Specify procedure: Specif | 2.3 | Take-off at maximum take-off mass (actual or simulated MTOM) | FFS | |
| Specify procedure: Specif | 2.4 | Take-off with simulated engine failure shortly before reaching TDP | or DPATO (ME only) | |
| Specify procedure: Specif | | Specify procedure: | | |
| 2.4.1 Take-off with simulated engine failure shortly after reaching TDP or DPATO (ME only specify procedure: Specify procedure: | | Specify procedure: | | |
| Specify procedure: Specify procedure: Specify procedure: Specify procedure: Climbing and descending turns to specified headings FFS | | Specify procedure: | | |
| Specify procedure: Specify procedure: Specify procedure: Climbing and descending turns to specified headings Turns with 30° bank, 180° to 360° left and right, by sole reference to instruments FTD FTD FTD FTD FTD FTD FTD FT | 2.4.1 | Take-off with simulated engine failure shortly after reaching TDP or | r DPATO (ME only) | |
| Specify procedure: Climbing and descending turns to specified headings Turns with 30° bank, 180° to 360° left and right, by sole reference to instruments Autorotative descents H FTD FTD FTD FTD FTD FTD FTD | | Specify procedure: | | |
| 2.5 Climbing and descending turns to specified headings Turns with 30° bank, 180° to 360° left and right, by sole reference to instruments FTD | | Specify procedure: | | |
| 2.5 Climbing and descending turns to specified headings FFS | | Specify procedure: | | |
| 2.5.1 runs with 30 bank, 100 to 300 left and right, by sole feler ence to instruments FFS H 2.6 Autorotative descents | 2.5 | Climbing and descending turns to specified headings | FFS | |
| 2.6 Autorotative descents | 2.5.1 | | FFS | |
| | 2.6 | Autorotative descents | | |
| 180° autorotation / 360° autorotation | | 180° autorotation / 360° autorotation | FFS | |
| | 2.6.1 | Autorotative landing (SEH only) or power recovery | FFS | |

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FLIGHT INSTRUCTION

| 2.7 | Landings various profiles | FFS H | FI visa |
|-------|---|-------------------|---------|
| | Open field | FFS H | |
| | Confined area / Pinnacle | FFS H | |
| 2.7.1 | Go-around or landing following simulated engine failure before LDP | or DPBL (ME only) | |
| | Specify procedure: | FFS H | |
| | Specify procedure: | FFS H | |
| | Specify procedure: | FFS H | |
| 2.7.2 | Landing following simulated engine failure after LDP or DPBL (ME or | nly) | |
| | Specify procedure: | FFS H | |
| | Specify procedure: | FFS H | |
| | Specify procedure: | FFS H | |

3. Normal and abnormal operations of the following systems and procedures

| 3.1 | Engine | FTD FFS H |
|-----|---|-----------|
| 3.2 | Air conditioning (heating, ventilation) | FTD FFS H |
| 3.3 | Pitot/static system | FTD FFS H |
| 3.4 | Fuel System | FTD FFS H |
| 3.5 | Electrical system | FTD |
| 3.6 | Hydraulic system | FTD |
| 3.7 | Flight control and Trim-system | FTD FFS H |

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FLIGHT INSTRUCTION

| 3.8 | Anti- and de-icing system | FTD | FI visa |
|------|---|-----|---------|
| 3.9 | Autopilot/Flight director | FTD | |
| 3.10 | Stability augmentation devices | FTD | |
| 3.11 | Weather radar, radio altimeter, transponder | FTD | |
| 3.12 | Area Navigation System | FTD | |
| 3.13 | Landing gear system | FTD | |
| 3.14 | Auxiliary power unit | FTD | |
| 3.15 | Radio, navigation equipment, instruments flight management system | FTD | |

4. Abnormal and emergency procedures

| 4.1 | Fire drills (including evacuation if applicable) | FTD |
|-------|---|-------------|
| 4.2 | Smoke control and removal | FTD |
| 4.3 | Engine failures, shut down and restart at a safe height | FTD FFS H |
| 4.4 | Fuel dumping (simulated) | FTD |
| | FCU / GOV failure (if applicable) | FTD FFS H |
| 4.5 | Tail rotor control failure (if applicable) | FTD FFS H |
| 4.5.1 | Tail rotor loss (if applicable) | FTD FFS FFS |
| 4.7 | Transmission malfunction | FTD FFS H |

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| 4.8 | Other emergency procedures as outlined in the appropriate AFM | FTD | FI visa |
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5. Instrument flight procedures (to be performed in IMC or simulated IMC)

| 5.1 | Instrument take-off: transition to instrument flight is required as soon as possible after becoming airborne | FTD FFS H |
|-------|--|-----------|
| 5.1.1 | Simulated engine failure during departure | FTD FFS H |
| 5.2 | Adherence to departure and arrival routes and ATC instructions | FTD FFS H |
| 5.3 | Holding procedures | FTD |
| 5.4 | ILS approaches down to CAT I decision height | FTD FFS H |
| 5.4.1 | Manually, without flight director | FTD FFS H |
| 5.4.2 | Precision approach manually, with or without flight director | FTD FFS H |
| 5.4.3 | With coupled autopilot | FTD FFS H |
| 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) | FTD FFS H |
| | RNAV GNSS LPV approach | FTD FFS H |

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| 5.5 | Non-precision approach down to the minimum descent altitude MDA/H | FTD | FI visa |
|-------|--|-----|---------|
| | RNAV GNSS LNAV approach | FTD | |
| 5.6 | Go-around with all engines operating on reaching DA/DH or MDA/MDH | FTD | |
| 5.6.1 | Other missed approach procedures | FTD | |
| 5.6.2 | Go-around with one engine simulated inoperative on reaching DA/DH or MDA/MDH | FTD | |
| 5.7 | IMC autorotation with power recovery | FTD | |
| 5.8 | Recovery from unusual attitudes | FTD | |

6. Use of Optional equipment

| Specify: | FTD |
|----------|-----|
| Specify: | FTD |
| Specify: | FTD |
| Specify: | FTD |