



PPL(H) Night Rating Course

Applicant's license number:

Applicant

Last name: _____ First name: _____ Date of birth: _____
 Place of birth: _____ Place of origin: _____ Nationality: _____
 Postal code: _____ City: _____ Street: _____
 Phone/mobile: _____ Phone/fax office: _____
 e-mail: _____ Signature of applicant: _____

ATO
 Name: _____ registration Nr: _____

Training (max. 6 month)
 Date start: _____ Date end: _____

Flight Experience (Minimum requirements before starting practical night rating course at night)

PPL(H): _____

Grand total Hours HEL(H): _____

Total Hours HEL after PPL(H) (min.100 hours): _____ SOLO / PIC (min. 60 hours): _____

Cross country (min. 20 hours): _____

Night rating training course

Night flying theoretical knowledge instruction (min. 5 hours) _____

^{1,2} HEL Dual instrument instruction (min. 10 hours): _____

Total NVFR (min.5 hours HEL): _____ Total NVFR Hours DC (min.3): _____

Total NVFR cross country (min.1 hour): _____

Total NVFR landings: _____

Total NVFR solo circuits incl. take-off and landing (min.5): _____

¹ may be combined with CPL(H) modular training
² an applicant with IR in an aeroplane or TMG shall be credited with 5 hours

The trainee has received the flight instruction required by AMC1 FCL.810(b) and he/she is qualified to exercise the privileges of the licence at night. The trainee's logbook has been endorsed, and a certificate of satisfactory completion has been issued.

Date: FI Signature / License Nr:

Chief FI signature / License Nr:

Remarks / Notes:

Theoretical knowledge (all items must be covered)

ITEM	COMPLETED	FI Visa
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Air Law

1	Aircraft equipment / MEL / TM 050-40	<input type="checkbox"/>	
2	Aircraft lighting / collision avoidance	<input type="checkbox"/>	
3	Airport lights (PAPI, TWY, ALS, obstruction)	<input type="checkbox"/>	
4	Airspace and facilities available	<input type="checkbox"/>	
5	ATC Flight plan	<input type="checkbox"/>	
6	International flights (F / D / I / A)	<input type="checkbox"/>	
7	Night flight activity (Mil / Civil / Rescue)	<input type="checkbox"/>	
8	NVFR CH air law 748.121.11 art 43)	<input type="checkbox"/>	
9	Sunrise / Sunset	<input type="checkbox"/>	
10	Instrument lighting	<input type="checkbox"/>	

Anatomy of the eye (see page 7)

11	Anatomy	<input type="checkbox"/>	
12	Physiology	<input type="checkbox"/>	

Night Vision Human Factors (see page 7)

13	Aircraft design limitations	<input type="checkbox"/>	
14	Human performance	<input type="checkbox"/>	
15	Illusions, Disorientation	<input type="checkbox"/>	
16	Light Level	<input type="checkbox"/>	
17	Night vision technique	<input type="checkbox"/>	
18	Self-imposed stresses	<input type="checkbox"/>	
19	Weather / Environmental conditions	<input type="checkbox"/>	

Flight Procedures / Planning

20	Behaviour in case of emergency	<input type="checkbox"/>	
21	Cockpit management	<input type="checkbox"/>	
22	External lights (position lights / strobes / landing light)	<input type="checkbox"/>	
23	Instrument scanning techniques	<input type="checkbox"/>	
24	Mountain flying tactics	<input type="checkbox"/>	
25	Navigation principles	<input type="checkbox"/>	
26	Night preflight inspection	<input type="checkbox"/>	
27	Obstacle lighting (Towers, antennas, cranes)	<input type="checkbox"/>	
28	Planning and use of safety altitude	<input type="checkbox"/>	
29	Radio altimeter techniques*	<input type="checkbox"/>	

Theoretical knowledge cont. (all items must be covered)

ITEM	COMPLETED	FI Visa
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Flight Procedures / Planning cont.

30	Reconnaissance / performance	<input type="checkbox"/>	
31	Risk assessment (obstacles, light level, weather, wind)	<input type="checkbox"/>	
32	Take off / Landing procedures / steep approach	<input type="checkbox"/>	
33	Use of cockpit lighting (red, white light), flash light	<input type="checkbox"/>	
34	Instrument systems or functions and errors	<input type="checkbox"/>	
35	Map marking for use under cockpit lighting	<input type="checkbox"/>	
36	Radio navigation principles	<input type="checkbox"/>	

Emergency / Limitations

37	A/C systems failure*	<input type="checkbox"/>	
38	Autopilot / SAS failure (if applicable)*	<input type="checkbox"/>	
39	Electrical failures / total / partial	<input type="checkbox"/>	
40	Engine failure / SE / ME*	<input type="checkbox"/>	
41	Internal / External lighting failure	<input type="checkbox"/>	
42	Limitations*	<input type="checkbox"/>	
43	Master Warning / Caution*	<input type="checkbox"/>	

Dangers

44	Accident review	<input type="checkbox"/>	
45	Blinding (light, snow, rain, etc.)	<input type="checkbox"/>	
46	CFIT (controlled flight into terrain)	<input type="checkbox"/>	
47	Disorientation at night	<input type="checkbox"/>	
48	Inadvertent IMC (avoidance and escape)	<input type="checkbox"/>	
49	Icing conditions (avoidance and escape)	<input type="checkbox"/>	
50	Loss of visual reference (white out, brown out)	<input type="checkbox"/>	
51	Precipitation (mist / fog / snow)	<input type="checkbox"/>	
52	Rotor clearance	<input type="checkbox"/>	
53	Traffic avoidance	<input type="checkbox"/>	
54	Vortex	<input type="checkbox"/>	
55	Weather deterioration	<input type="checkbox"/>	
56	Wind shield defog	<input type="checkbox"/>	
57	Wind shield reflections	<input type="checkbox"/>	

*see applicable RFM

FLYING TRAINING

Flight Instructor(s) in charge of practical training.

Name:

Licence Nr:

Name:

Licence Nr:

Training should be completed in different light levels and at minimum 2 different nights

Date Flight 1:

Light Level:

Date Flight 2:

Light Level:

Date Flight 3:

Light Level:

Date Flight 4:

Light Level:

Date Flight 5:

Light Level:

Codes and Grades

GRADES	OPERATIONAL ENVIRONMENT		LIGHT LEVEL	AIR WORK ¹	NAV EQUIPMENT ²
X Demo FI	1 Airport	6 Unlighted obstructed	P POOR	1 Eight Turns	V VOR - DME
P Passed	2 Heliport	7 Instrument DAY	M MEDIUM	2 Slow Flight	G GPS / GNSS
F Failed	3 Lighted open area	8 Instrument NIGHT	H HIGH	3	M Moving Map
S Solo	4 Unlighted open area	9 FSTD(H)		4	N None
	5 Lighted obstructed				

Note / Definitions: For the purpose of flight training, the light levels are defined as follows:

POOR: No visible details or contrast on the earth surface

MEDIUM: Visible ground details or contrast (ex: transitions from forests to agriculture can be identified)

HIGH: Details on the earth surface can be easily identified. (even visible shadows)

FLYING TRAINING

ALL EXERCISES SHOULD BE REPEATED AS NECESSARY UNTIL THE STUDENT ACHIEVES A SAFE AND COMPETENT STANDARD

DUAL INSTRUMENT FLIGHT INSTRUCTION (Day or Night)
¹Basic manoeuvres (climbs, descents, turns)

	1	2	3	4	5	6	7	8	9	10
Air work:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹Explain and demonstrate transition to instrument flight from visual flight

	1	2	3	4	5	6	7	8	9	10
Air work:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹Explain and revise recovery from unusual attitudes by sole reference to instruments

	1	2	3	4	5	6	7	8	9	10
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹Explain and demonstrate the use of radio navigation aids, to include position finding and tracking

	1	2	3	4	5	6	7	8	9	10
Nav equipment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹Explain and demonstrate the use of radar assistance

	1	2	3	4	5	6	7	8	9	10
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹Simulated inadvertent entry into IMC (not on base leg or final)

	1	2	3	4	5	6	7	8	9	10
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RMK

¹ up to 50% of the required flight training may be completed in a FSTD(H) . However, all items within each exercise should be conducted in a helicopter in-flight.

FLYING TRAINING

ALL THE FOLLOWING EXERCISES SHALL BE CONDUCTED AT NIGHT

NORMAL	Ground, Hover and Taxi (normal use and adjustment of landing light; higher and slower hover than by day; avoidance of unintended sideways and/or backwards movements)															RMK								
	Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>							
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
	Traffic pattern (5 solo circuits on airport / heliport incl. night take-off techniques, night circuit technique & constant angle night approaches with and without visual approach aids)																							
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INFLIGHT MANEUVERS	¹ Inflight air work / flight tactics (eight turns, slow flight, etc...)										RMK
	Exercise:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	² Cross-country navigation flight DC and as SPIC with Ldg. / Min.1 flight										
Nav. Flight 1:	From	To	Light Level	Nav equip.							
Nav. Flight 2:	From	To	Light Level	Nav equip.							
Nav. Flight 3:	From	To	Light Level	Nav equip.							

ABNORMAL PROCEDURES	Ground, Hover and Taxi without landing light										RMK	
	Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Traffic pattern without landing light											
	Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Steep appr. 10° < angle < 20° / clear area											RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Traffic pattern without cockpit instrument lights												
Light Level:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Outside landing (Additional safety exercise)											RMK	
Light Level:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

FLYING TRAINING

EMERGENCY PROCEDURES / KNOWN TERRAIN / LIGHTED SURFACE	Simulated engine failures / Autorotations (Power recovery)											
		1	2	3	4	5	6	7	8	9	10	RMK
	Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Hydraulic failure (*if applicable)											
		1	2	3	4	5	6	7	8	9	10	RMK
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
TR malfunctions / failures / (NO GND CONTACT)												
	1	2	3	4	5	6	7	8	9	10	RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
OEI operations (*if applicable)												
	1	2	3	4	5	6	7	8	9	10	RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fuel control / governor failure (*if applicable)												
	1	2	3	4	5	6	7	8	9	10	RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Electrical failures (see RFM)												
	1	2	3	4	5	6	7	8	9	10	RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

EMERGENCY PROCEDURES	Simulated engine failures / Autorotations / Go around at 200ft/AGL min. (Known terrain / Unlighted surface)											
		1	2	3	4	5	6	7	8	9	10	RMK
	Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Other Emergency / specify:											
		1	2	3	4	5	6	7	8	9	10	RMK
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Other Emergency / specify:												
	1	2	3	4	5	6	7	8	9	10	RMK	
Ops. environment:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Grade:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Acknowledgement of training

Date: Trainee visa:

NIGHT FLYING THEORETICAL KNOWLEDGE

Detailed examples of subjects to be instructed in a night flying course are included below.

General Anatomy and Characteristics of the Eye

Anatomy

Overall structure of the eye
Cones
Rodes

Physiology

Types of vision (photopic, mesopic, scotopic)
Day versus night vision
Dark adaption process

Night Vision Human Factors

Night blind spot
Field of view and peripheral vision
Distance estimation and depth perception
Aerial perspective
Binocular cues
Night vision techniques
Vestibular / Somatogravic / Proprioceptive illusions
Visual illusions
Dealing with Spatial Disorientation

Aircraft Design Limitations

Windshield condition
Aircraft instrument design
Aircraft structural obstruction
interior / exterior lights

Human Performance

24 hours diagram

Self-imposed stresses

Drugs, Alcohol, Tobacco
Exhaustion
Hypoglycaemia
Injuries
Physical fitness
Stress & Fatigue (acute vs. chronic, prevention)

Hypoxia

Issues and night vision

Weather / Environmental conditions

Snow, Dust
Haze, Fog
Rain

Light Level

Astronomical lights (moon, star)
Effects of cloud cover
Illumination, luminance, contrast

Flight

Explain the use and adjustment of landing light
Explain night hovering:
- higher and slower than by day;
- avoidance of unintended sideways or backwards movements.
Explain night take-off techniques