

XI. Night Operations

Task	Task A. Night Preparation
References	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-25; AIM; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with night operations.
Knowledge	The applicant demonstrates understanding of:
PA.XI.A.K1	1. Physiological aspects of night flying as it relates to vision.
PA.XI.A.K2	2. Lighting systems identifying airports, runways, taxiways and obstructions, as well as pilot controlled lighting.
PA.XI.A.K3	3. Airplane equipment requirements for night operations.
PA.XI.A.K4	4. Airplane lighting systems: type, interpretation in flight, when to use each lighting system.
PA.XI.A.K5	5. Personal equipment essential for night flight.
PA.XI.A.K6	6. Night orientation, navigation, and chart reading techniques.
PA.XI.A.K7	7. Safety precautions and emergencies unique to night flying.
PA.XI.A.K8	8. Somatogravic illusion and black hole approach illusion.
PA.XI.A.K9	9. Disorientation that can be experienced in unusual attitudes at night.
PA.XI.A.K10	10. Visual scanning techniques during night operations.
PA.XI.A.K11	11. Hazards of inadvertent IMC.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.XI.A.R1	1. Collision avoidance, scanning, obstacle and wire strike avoidance.
PA.XI.A.R2	2. Improper planning to avoid terrain
PA.XI.A.R3	3. Failure to manage Tasks during night operations.
PA.XI.A.R4	4. Failure to maintain situational awareness
PA.XI.A.R5	5. Environmental considerations at night (e.g., IMC; terrain (roads)).
PA.XI.A.R6	6. Failure to maintain VFR.
PA.XI.A.R7	7. Physiological aspects of night flying.
Skills	N/A Note: <i>Not generally evaluated in flight. If the practical test is conducted at night, all ACS tasks are evaluated in that environment, thus there is no need for explicit task elements to exist here.</i>