

## I. Preflight Preparation

<b>Task</b>	<b>H. Human Factors</b>
<b>References</b>	FAA-H-8083-2, FAA-H-8083-25; AIM
<b>Objective</b>	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with personal health, flight physiology, aeromedical and human factors, as it relates to safety of flight.  <b>Note:</b> See <u>Appendix 6: Safety of Flight</u> .
<b>Knowledge</b>	The applicant demonstrates understanding of:
<i>PA.I.H.K1</i>	The symptoms (as applicable), recognition, causes, effects, and corrective actions associated with aeromedical and physiological issues including:
<i>PA.I.H.K1a</i>	a. Hypoxia
<i>PA.I.H.K1b</i>	b. Hyperventilation
<i>PA.I.H.K1c</i>	c. Middle ear and sinus problems
<i>PA.I.H.K1d</i>	d. Spatial disorientation
<i>PA.I.H.K1e</i>	e. Motion sickness
<i>PA.I.H.K1f</i>	f. Carbon monoxide poisoning
<i>PA.I.H.K1g</i>	g. Stress
<i>PA.I.H.K1h</i>	h. Fatigue
<i>PA.I.H.K1i</i>	i. Dehydration and nutrition
<i>PA.I.H.K1j</i>	j. Hypothermia
<i>PA.I.H.K1k</i>	k. Optical illusions
<i>PA.I.H.K1l</i>	l. Dissolved nitrogen in the bloodstream after scuba dives
<i>PA.I.H.K2</i>	Regulations regarding use of alcohol and drugs.
<i>PA.I.H.K3</i>	Effects of alcohol, drugs, and over-the-counter medications.
<i>PA.I.H.K4</i>	Aeronautical Decision-Making (ADM).
<b>Risk Management</b>	The applicant demonstrates the ability to identify, assess and mitigate risks encompassing:
<i>PA.I.H.R1</i>	Aeromedical and physiological issues.
<i>PA.I.H.R2</i>	Hazardous attitudes.
<i>PA.I.H.R3</i>	Distractions, loss of situational awareness, or improper task management.
<b>Skills</b>	The applicant demonstrates the ability to:
<i>PA.I.H.S1</i>	Associate the symptoms and effects for at least three of the conditions listed in K1a through K1l above with the cause(s) and corrective action(s).
<i>PA.I.H.S2</i>	Perform self-assessment, including fitness for flight and personal minimums, for actual flight or a scenario given by the evaluator.