

Mission Scanner SQTR Evaluation Criteria Familiarization and Preparatory Training

O-2015 DEMONSTRATE GROUND OPERATIONS AND SAFETY

1. Discuss ramp safety
2. Demonstrate moving and loading an aircraft
3. Demonstrate entry and emergency egress from **all** seats in the aircraft.
4. Discuss the scanner's role in basic fuel management.

O-2017 DISCUSS POST-CRASH ACTIONS

1. Discuss actions to take before and immediately after an off field landing.
2. Identify and discuss basic survival techniques and equipment.
3. Discuss basic urgent care, including four important measures for treating injuries.

O-2019 USE PROPER NUMBER AND CHARACTER PRONUNCIATION

1. Demonstrate how to pronounce numbers while talking on a radio.
2. Demonstrate how to pronounce characters while talking on a radio.

O-2021 INTERPRET EMERGENCY SIGNALS AND DEMONSTRATE AIR/GROUND TEAM COORDINATION

1. Interpret the following emergency signals (may be performed on the ground):
 - a. Light gun signals
 - b. Body signals
 - c. Paulin signals
 - d. Distress signals
2. Discuss scanner responsibilities during a combined air/ground team mission.
3. Discuss factors to consider before you or the ground team leaves mission base.
4. Demonstrate basic ground team coordination.

O-2024 USE SECTIONAL CHARTS

1. Identify and discuss the following on an aeronautical sectional chart:
 - a. Physical features such as topographical details.
 - b. Towns, cities, highways, roads, and towers (MSL and AGL).
 - c. Airways, radio aids, airports and airport data.
 - d. Maximum Elevation Figures.
 - e. Legend and margin information.
2. Given a sectional and plotter, determine a heading and measure distances.
3. State the size of a full and one-quarter CAP and Standardized grids.

P-2013 DISCUSS MISSION SCANNER DUTIES AND RESPONSIBILITIES

1. State the primary role of the scanner.
2. Discuss the "IM SAFE" criteria.
3. Discuss other scanner duties and responsibilities.
4. Review the observer duties and responsibilities.

P-2014 DISCUSS CAP LIABILITY COVERAGE AND MISHAP REPORTING

1. Discuss FECA, including what types of missions afford this coverage and what is covered.
2. Discuss FTCA, including what types of missions afford this coverage and what is covered.
3. Discuss the various assessments that can be made for damage to CAP aircraft.

P-2015 ENTER DATA INTO CAP FORMS

1. Show how to correct a mistake.
2. Show how to mark a map that you will attach to a form.

P-2016 IDENTIFY AND DISCUSS MAJOR AIRCRAFT CONTROLS

1. Demonstrate and discuss how the pilot turns (rolls) the aircraft left or right.
2. Demonstrate and discuss how the pilot makes the aircraft climb or dive.
3. Demonstrate and discuss how the pilot moves the aircraft's nose to the left or right.
4. Demonstrate and discuss how the pilot steers the aircraft to the left or right while taxiing.
5. Demonstrate and discuss how the pilot increases or decreases engine power.

P-2017 IDENTIFY AND DISCUSS MAJOR AIRCRAFT INSTRUMENTS

1. Identify and describe the basic function of the following aircraft instruments:
 - a. Magnetic compass
 - b. Heading indicator
 - c. Altimeter
 - d. Airspeed indicator
 - e. Attitude indicator
 - f. GPS
 - g. Radios
 - h. Audio panel
 - i. Transponder
2. State the rule on repositioning any aircraft instrument's settings or controls.

P-2018 DISCUSS AIRCRAFT WEIGHT AND BALANCE

1. Discuss the consequences of exceeding the aircraft's weight limit.
2. Discuss the potential consequences of a "tail heavy" and a "nose heavy" aircraft.
3. Discuss the importance of being accurate and honest about your and your luggage weight.

P-2019 IDENTIFY ITEMS CHECKED DURING AN AIRCRAFT PRE-FLIGHT INSPECTION

1. Discuss the purpose of an aircraft pre-flight inspection.
2. Identify the major items checked during an aircraft pre-flight inspection.

P-2020 DISCUSS THE DANGERS OF WAKE TURBULENCE

1. Discuss where wake turbulence is normally encountered.
2. Discuss basic takeoff and landing precautions taken to avoid wake turbulence.
3. Discuss the dangers of taxiing to close behind large jets or helicopters.

P-2021 DISCUSS HOW ATMOSPHERIC AND LIGHTING CONDITIONS EFFECT SCANNING EFFECTIVENESS

1. Discuss how atmospheric and lighting conditions effect scanning effectiveness.

P-2022 IDENTIFY VISUAL CLUES AND WRECKAGE PATTERNS

1. Identify and discuss typical visual crash clues and wreckage patterns.

P-2023 DISCUSS HOW REDUCED VISIBILITY AND TURBULENCE EFFECT SEARCH OPERATIONS

1. Discuss the causes of reduced visibility.
2. Discuss how reduced visibility effects search operations, and related precautions.
3. Discuss the causes of turbulence.
4. Discuss how turbulence effects search operations, and precautions.

P-2024 DISCUSS STRATEGIES TO COMBAT HIGH ALTITUDE EFFECTS

1. Discuss the symptoms and dangers of the following:
 - a. Ear block.
 - b. Sinus block.
 - c. Hypoxia.

2. Discuss strategies used to combat these symptoms.

P-2025 DISCUSS COMMON SEARCH TERMS

1. Use and discuss search terms used during a typical mission:
 - a. Ground and Search track.
 - b. Maximum Area of Probability, Probability Area, and Probability of Detection.
 - c. Meteorological and Search visibility.
 - d. Scanning range.
 - e. Search altitude and Track spacing.

P-2026 IDENTIFY WHAT TO LOOK FOR AND RECORD DURING DAMAGE ASSESSMENT MISSIONS

1. Discuss how a disaster can effect CAP operations.
2. Discuss the types of questions you should ask yourself during DA sorties.
3. Identify and discuss the typical things you should look for during DA sorties.
4. State the information you should record during DA sorties.
5. Discuss the limitations of an air search for a missing person.

P-2027 DESCRIBE CAP SEARCH PATTERNS

1. Describe the following search patterns:
 - a. Route
 - b. Parallel
 - c. Creeping line
 - d. Expanding square

P-2028 DISCUSS CREW RESOURCE MANAGEMENT

1. Discuss situational awareness and how to regain SA once it is lost.
2. Describe barriers to communication.
3. Discuss task saturation and strategies to minimize it.
4. Discuss crew assignments and coordination of duties.

Mission Scanner SQTR Evaluation Criteria Advanced Training

O-0204 LOCATE A POINT ON A MAP USING LATITUDE AND LONGITUDE

Determining the grid of a known point. The student:

1. Announces the correct latitude degrees, minutes and seconds within tolerance (see below)
2. Announces the correct latitude designation "North" or "South"
3. Announces the correct longitude degrees, minutes and seconds within tolerance (see below)
4. Announces the correct longitude designation "East" or "West"
5. Performs the above steps within 1 minute of time

O-0205 LOCATE A POINT ON A MAP USING THE CAP GRID SYSTEM

The individual determines the grid of a known point:

1. Announces the correct grid number and quadrant within 1 minute

The individual determines the location of a designated grid:

2. Finds the correct numbered grid and quadrant within 1 minute

O-2016 DEMONSTRATE SAFETY WHILE TAXIING

1. Discuss the safety rules used to avoid obstacles during taxiing.
2. Discuss the sterile cockpit rules and how you would point out an obstacle.
3. State the difference between runway and taxiway markings.
4. Identify mandatory signs and discuss their meaning.
5. Identify holding position markings and discuss their meaning.
6. Identify location and direction signs and discuss their meaning.
7. Recognize flightline hand signals.

O-2018 OPERATE THE AIRCRAFT COMMUNICATIONS EQUIPMENT

1. Demonstrate how to enter a frequency and use the aircraft communications radios.
2. Discuss the importance of listening before transmitting, and basic message format.
3. Demonstrate proper use of the CAP aircraft callsign.
4. Demonstrate how to select a frequency and use the CAP FM radio.
5. Demonstrate setting up the audio panel to transmit on an aircraft radio.

O-2022 DEMONSTRATE SCANNING PATTERNS AND LOCATE TARGETS

1. Define "scanning" and "fixation," and describe how aircraft motion effects scanning.
2. Demonstrate knowledge of central and peripheral vision, and describe where your focal point is when your eyes are relaxed.
3. Demonstrate knowledge of fixation points and lines of scan, and define "scanning range."
4. Demonstrate diagonal and vertical scanning patterns.
5. Locate a target in a search area.
6. Locate a person in a search area.

O-2023 DEMONSTRATE TECHNIQUES TO REDUCE FATIGUE

1. Discuss fatigue effects and demonstrate how to minimize fatigue.
2. Describe how to direct the pilot using the "clock position" method.

O-2025 TRACK AND RECORD POSITION ON SECTIONALS AND MAPS

1. Discuss the use of the following navigational terms:
 - a. Course, heading and ground track.

- b. Nautical mile and knot.
- 2. Given a plotter and a sectional, determine a route's heading and distance.
- 3. Given a sectional, record a ground position by its latitude/longitude and then record that position on a road or topo map.

P-0101 KEEP A LOG

For each of the 10 events/actions, the student:

- 1. Logs the time and event
- 2. Writes legibly and completely