

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## MASP INSTRUCTIONS

**\*Pages 1-11 or through map and aerial hazard analysis page (due to extended risk assessment) require total completion for submission, review, and approval signature (mission approver signature-appropriate level line officer). Subsequent pages see instructions below\***

**Subsequent pages include:** Pilot information, flight following, frequencies, MTR's / MOA's, crash rescue /medivac, and additional appendices. Complete these pages as information becomes available. Partial completion of these pages is recommended during the submission process. (Subsequent pages shall be filled out prior to mission initiation).

## RISK MATRIX INSTRUCTIONS

Appropriate management level for operational risk decision will remain the same in the color-coded format. The number system on page (6) in the risk management scale is incorporated into the drop-down menu of risk assessment attached. Values of risk level are as follows:

Low-1    Medium-2

Serious-3    High-4

In no case will the overall risk of the mission be less than the highest specific factor. (Example: One high, one serious, and two medium threats couldn't result in anything less than a high).

## SIGNATURE'S

Signature blocks are in order of how the MASP will move forward for review and signature. Route all MASP's through the Zone Aviation Officer or delegated acting. The tan colored fields are required to be signed for at the Line Officer level. The MASP's will be routed back down through the Zone Aviation Officer or delegated acting after signature from the Regional Aviation Officer. MASP will come back in PDF for approving official to sign in signature block and risk assessment (See tan highlighted areas).

Signing: All signature boxes up to the Zone Aviation Officer will be signed in typed text. See below.

Example: /s/ John M. Smith

Regional Aviation Safety Manager and Regional Aviation Officer will sign with a link pass digital signature. Approval of risk assessment and line officer plan approval final signature will be wet signature or link pass digital signature (line officer discretion). These areas are a tan color. The mission aviation safety plan will come back to the field in PDF format for ease of link pass signatures.

## RETENTION AND FILING OF PLAN

Once the mission safety plan is approved, the plan will be maintained in the dispatch office and referenced during flight. Retention of the plan and daily briefing sheets by the forest, refuge or unit shall be one year: reference NSHO Chapter 3, Mission Aviation Safety Plans, or any other governing policies that refer to MASP retention per aircraft type.

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

|   |   |
|---|---|
| <u>Forest-Refuge-Unit:</u> National Forest in Florida | <u>District-Unit:</u> Ocala National Forest |
|---|---|

|  |                                     |                          |   |                 |  |
|--|-------------------------------------|--------------------------|---|-----------------|--|
| <b>Agency Requesting Mission</b>   |                                     |                          | <b>Anticipated Date(s)</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>      |                 | <b>Calendar Year</b>   |
| FS <input checked="" type="checkbox"/> NPS <input type="checkbox"/> BLM <input type="checkbox"/><br>FWS <input type="checkbox"/> BIA <input type="checkbox"/><br>STATE <input type="checkbox"/> OTHER <input type="checkbox"/> |                                     |                          | <b>Calendar Year</b> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ----->     |                 | 2023   |
| <b>Aircraft Type</b>   |                                     |                          | <b>Date Variance Acceptable</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |                 |  |
| <b>*Document variance in aviation safety plan briefing sheet or ICS 214*</b>   |                                     |                          |   |                 |  |
| <b>Fixed</b>   | <b>Rotor</b>                        | <b>UAS</b>               | <b>Start Date</b>   | <b>End Date</b> | <b>MASP Objectives</b>   |
| <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1/1/2023  | 12/31/2023      | Training <input type="checkbox"/><br>Resource <input checked="" type="checkbox"/><br>LE&I Mission(s) <input type="checkbox"/><br>Incident <input type="checkbox"/><br>Emr. Ops <input type="checkbox"/><br>Emr. Readiness <input type="checkbox"/> |

|  |  |                             |
|--|--|-----------------------------|
| <b>Mission prepared by:</b> /s/ Ryan Hudgins   | <b>Title:</b> Helicopter Crewmember                      | 8/9/2022                    |
| <b>Mission reviewed by:</b> (OPTIONAL) Forest Level:<br>Click here to enter text.          | <b>Title:</b> Choose an item.                            | Click here to enter a date. |
| <b>Mission review by:</b> (OPTIONAL) Regional Level:<br>Click here to enter text.          | <b>Title:</b> Choose an item.                            | Click here to enter a date. |
| <b>Mission review by:</b> (OPTIONAL) Zone Aviation Officer: /s/ Joshua Pierotte            | <b>Title:</b> Zone Aviation Officer (south)              | 10/26/2022                  |
| <b>Mission reviewed by:</b> (REQUIRED) RASM:   | <b>Title:</b> Regional Aviation Safety Manager or Acting | See signature for date.     |
| <b>Mission reviewed By:</b> (REQUIRED) RAO:  | <b>Title:</b> Regional Aviation Officer or Acting        | See signature for date.     |
| <b>Mission-Risk Assessment approved by:</b> Forest Service Line, IC, or Ops Section Chief- | <b>Title:</b> Forest Supervisor or Acting                | See signature for date.     |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

|   |   |
|---|---|
| <b><u>Mission Supervisor:</u></b><br>Helicopter Manager or Flight Manager | <b><u>Alternate Mission Supervisor:</u></b><br>Forest Aviation Officer or Zone Aviation Officer |
|---|---|

**\*\* Participant's qualifications and responsibilities verified/discussed during daily briefing\*\***

|  |
|--|
| <p style="text-align: center;"><b><u>Mission Name</u></b><br/>Ocala N.F Ecosystem Management (EM) Flights CY 2023</p>  |
| <p><b><u>Mission Description:</u></b><br/>Note: Compliance with the operational procedures outlined in the Mission Aviation Safety Plan is required.</p> <p>Ecosystem Management (EM) missions consist of reconnaissance and missions that can require flight profiles under 500' above ground level (AGL). These missions are generally accomplished using a helicopter. The use of fixed-wing aircraft to accomplish these missions are authorized if operating 500' AGL or above. The flight profiles associated with EM are used to accomplish (resource) missions such as, but not limited to wildlife management, timber management, animal tracking, storm damage assessment, and biological/hydrologic flights.</p> <p>Missions described above will be accomplished with Exclusive Use, Call-When-Needed (CWN), or agency owned aircraft (WCF). Incoming units will receive a local aviation in-briefing (airspace, frequencies, DOD areas, etc.).</p> <p><b><u>Mission Objectives:</u></b></p> <ul style="list-style-type: none"><li>▪ Provide a safe, timely, and cost-effective alternative to ground-based operations.</li><li>▪ Enhance the ability of the user to provide real-time and accurate data for outlined missions stated in the mission description.</li><li>▪ Accomplish agency goals/expectations with limited resources and personnel.</li></ul> <p><b><u>Aircraft Justification for Mission:</u></b><br/>Using rotor and/or fixed-wing aircraft for these operations is the most efficient means of meeting mission objectives. This method of conducting aerial resource mission(s) allows for the following:</p> <ul style="list-style-type: none"><li>▪ Personnel Safety: Limits exposure and mitigates the need for additional personnel. Reduces the need for ground operations, particularly in remote, adverse terrain and thick, impenetrable vegetation.</li><li>▪ Cost-Effectiveness: Expedites timeframes, lowers personnel requirements for conducting resource missions, and achieves agency goals while generally reducing costs.</li><li>▪ Timeliness: Resource mission objectives can be determined quickly from the air, assisting managers in making real-time and critical decisions to meet agency goals.</li><li>▪ Land stewardship: Enables mission objectives/goals to be met while being light on the land.</li></ul> |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**Aircraft Information:** *\*Refer to Appropriate page for UAS information\**

*\*Check all that apply, if name is unknown, add information to safety plan briefing sheet\**

*\*Leave text fields blank if unknown\**

*\*All cooperators require an annual approval letter onboard except DOJ-DHS aircraft\**

Cooperator  Click here to enter text. Agency  Click here to enter text.

Vendor  Click here to enter text. Military  Click here to enter text.

Other  Click here to enter text.

**Rotor Wing:** Type One  Type Two  Type Three

*\* Additional document requirements beyond standard typing in aircraft justification and resource order\* (performance capabilities, equipment, Etc.)*

**Fixed Wing:** Single Engine  Twin Engine

*\*Document needs for turbine, twin-engine, air conditioning, high or low wing, pressurized cabin, radio package or any additional requirements in aircraft justification and resource order\**

**Aircraft Make and Model:** Refer to the safety plan briefing sheet for vendor name, make, FAA#, and model (helicopter or fixed-wing only below).

Vendor: HELOAIR Tail number: N196TA

Model: Bell 407 Unknown CWN  Unknown EU

*\*\* CWN helicopter information attained after hiring process\*\**

*\*\*Unknown or multiple aircraft in use (CWN or EU)- mark appropriate boxes, have CWN inspection sheet or copy of aircraft data card on file with MASP for aircraft data\*\**

**Procurement and Cost Information:** Check unknown if unable to provide accurate or estimated information.

Procurement Type: EU or CWN  
Unknown

Missioned Flight Hours: Click here to enter text.  
Unknown

Charge Code: Click here to enter text.  
Unknown

Estimated Flight Hour Cost: Click here to enter text.

Unknown

Estimated Miscellaneous Cost(s): Click here to enter text.

Unknown

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**\*\*Mission risk assessment completed prior to mission approval\*\***

**\*\*Risk assessment hazards shall be re-assessed prior to mission engagement\*\***

**\*\*See appropriate management level for approval and dynamic flowchart decision-making tool\*\***

| Mission Risk Assessment Matrix Scale |                  |                 |                  |                   |
|--------------------------------------|------------------|-----------------|------------------|-------------------|
|                                      | Severity         |                 |                  |                   |
| Likelihood                           | Negligible<br>IV | Marginal<br>III | Critical<br>II   | Catastrophic<br>I |
| Frequent<br>A                        |                  |                 |                  |                   |
| Probable<br>B                        |                  |                 |                  | <i>High 4</i>     |
| Occasional<br>C                      |                  |                 | <i>Serious 3</i> |                   |
| Remote<br>D                          |                  | <i>Medium 2</i> |                  |                   |
| Improbable<br>E                      | <i>Low 1</i>     |                 |                  |                   |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

| Severity and Likelihood Scale Definitions |   |                   |   |
|---|---|-------------------|---|
| Severity                                  |   | Likelihood        |   |
| <b>Catastrophic</b>                       | Fatalities and or loss of the system.                 | <b>Frequent</b>   | Likely to occur and continuously experienced.                           |
| <b>Critical</b>                           | Severe injury and or major system damage.             | <b>Probable</b>   | Will occur several times and occur often.                               |
| <b>Marginal</b>                           | Minor injury and or minor system damage.              | <b>Occasional</b> | Likely to occur sometimes and will occur several times.                 |
| <b>Negligible</b>                         | Less than minor injury and or less than minor damage. | <b>Remote</b>     | Unlikely to occur, but possible. Unlikely, but expected to occur.       |
|   |   | <b>Improbable</b> | So unlikely, assume it will not occur. Unlikely to occur, but possible. |

| Appropriate Management Level for Operational Risk Decisions |   |                              |
|---|---|------------------------------|
| Risk Level  | Fire  | Mission (non-fire)           |
| <b>High</b>   | Incident Commander or Operations Sections Chief | Line Officer/Manager         |
| <b>Serious</b>  | Incident Commander or Operations Sections Chief | Line Officer/Manager         |
| <b>Medium</b>   | Air Operations Branch Director                  | Mission Aviation Manager     |
| <b>Low</b>  | Base Manager                                    | Helicopter or Flight Manager |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

| SAFETY MANAGEMENT SYSTEM ASSESSMENT AND MITIGATION |  |                |              |            |   |                 |              |            |
|--|--|----------------|--------------|------------|---|-----------------|--------------|------------|
| System Being Evaluated: EM Flights                 |  | Pre Mitigation |              |            | Mitigation  | Post Mitigation |              |            |
| Sub System(s)                                      | Hazards  | Likelihood     | Severity     | Risk Level |   | Likelihood      | Severity     | Risk Level |
| Aerial Hazards                                     | Avoid known hazards and aerial obstacles such as bird strikes, embers, smoke, etc.   | Probable       | Critical     | High-4     | Brief personnel to be aware of known physical hazards using the Aerial Hazards Map. Perform high-level recon before commencing low-level operations. See and avoid birds and other obstacles. Use quality crew communication and implement crew resource management.                        | Remote          | Critical     | Medium-2   |
| Capability   | Aircraft capabilities/limitations are not appropriate to mission. Overloaded aircraft. Adverse wind speed and direction.   | Occasional     | Catastrophic | High-4     | Ensure appropriate aircraft is ordered and utilized. Conduct a thorough pre-mission briefing. Complete load calculations and weight & balance. Pilot to obtain updated weather briefing and continually monitor wind speed and direction. Operate aircraft in accordance with RFM.          | Remote          | Catastrophic | Serious-3  |
| Communications                                     | Unclear on assignments or unclear briefing. Miscommunication from air to ground. Poor communication such as non-standard wording etc. Loss of communications (FM, AM, or ICS). | Occasional     | Critical     | Serious-3  | Mission leader in performing a complete briefing. Use clear text and proper nomenclature in all communications. Utilize read-back to ensure instructions are understood. Suspend all operations until communications can be restored. Ensure AFF is working properly for resource tracking. | Remote          | Critical     | Medium-2   |
| Weather  | Extreme weather-thunderstorms, high winds, etc. Lack of visibility due to fog, smoke, shadows/glare, loss of daylight, etc.  | Occasional     | Critical     | Serious-3  | Obtain weather briefings. Continuously monitor conditions. Abort missions as necessary until conditions improve. Be prepared for changing conditions and identify alternative landing locations.  | Remote          | Critical     | Medium-2   |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

| SAFETY MANAGEMENT SYSTEM ASSESSMENT AND MITIGATION |  |                |              |            |   |                 |              |            |
|--|--|----------------|--------------|------------|---|-----------------|--------------|------------|
| System Being Evaluated: EM Flights                 |  | Pre Mitigation |              |            | Mitigation  | Post Mitigation |              |            |
| Sub System(s)                                      | Hazards  | Likelihood     | Severity     | Risk Level |   | Likelihood      | Severity     | Risk Level |
| Environment  | Unimproved landing sites.  | Probable       | Critical     | High-4     | Identify alternate landing areas before the mission, as necessary. Perform an aerial recon of the site before landing, notify flight following personnel of landing location. Plan flight(s) for best access to alternate landing areas.              | Occasional      | Critical     | Serious-3  |
|  | Mountainous terrain.   | Probable       | Critical     | High-4     | Ensure pilot is trained, experienced, and qualified for the mission. Aircraft appropriate for mission and carded. Conduct high recon before any low-level operations.   | Occasional      | Critical     | Serious-3  |
| Mission Planning                                   | Military training routes, military operating areas, and general aviation traffic.  | Occasional     | Catastrophic | High-4     | Consult up-to-date materials to identify routes. Ensure dispatch is appropriately using de-conflicting procedures. See and avoid general aviation traffic.  | Remote          | Catastrophic | Serious-3  |
| Pilot Experience and Capabilities                  | Lack of pilot proficiency. Inadequate performance planning. Lack of recognition of adverse wind speed and direction. Inexperienced in low-level helicopter operations. | Occasional     | Catastrophic | High-4     | Ensure an understanding of mission, hazards, and mitigations. Complete recon. Ensure pilot is carded for aerial ignition. Perform adequate planning using agency policy and guides. Refer to FSAPB 16-01 Helicopter Maneuvering and Power Management. | Remote          | Catastrophic | Serious-3  |



# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

| SAFETY MANAGEMENT SYSTEM ASSESSMENT AND MITIGATION   |  |                              |            |            |  |            |            |            |
|--|--|------------------------------|------------|------------|--|------------|------------|------------|
| System Being Evaluated: EM Flights   |  | Pre Mitigation               |            |            | Post Mitigation  |            |            |            |
| Sub System   | Hazard   | Likelihood                   | Severity   | Risk Level | Mitigation   | Likelihood | Severity   | Risk Level |
| Human Factors  | Failure to follow policy and procedures. Sense of urgency/time pressure or mission pressure. Lack of familiarity with others working on the operation. | Occasional                   | Critical   | Serious-3  | Confirm policy and procedures are identified, understood, and followed. Ensure not placing undue pressure on others. Conduct daily briefings, utilize standardized procedures, practice CRM, and limit rotation of personnel.                    | Remote     | Critical   | Medium-2   |
|  | Airsickness of passengers.   | Probable                     | Negligible | Medium-2   | Poll employees for known airsickness issues before the pre-flight briefing. Obtain location and brief on the use of sickness sack on board the aircraft. Open-air vents and ask pilot to land as soon as possible if sickness happens in flight. | Probable   | Negligible | Medium-2   |
| <b>Final Assessment:</b> Low-1 <input type="checkbox"/> Medium-2 <input type="checkbox"/><br>Serious-3 <input checked="" type="checkbox"/> High-4 <input type="checkbox"/> |  | Prepared By: Joshua Pierotte |            |            |  | 10/26/2022 |            |            |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**Map Of Mission Area:** Refer to page 18 of the MASP for the forest hazard map. The map of the mission area will be reviewed before all flights.

**Aerial Hazard Analysis:** Ocala Helibase has completed a Flight Hazard Map, which identifies existing, known hazards. A copy of the hazard map will be provided to the pilot as a working reference. Along with such aviation hazards as airports, towers, power lines, major highways, and subdivisions, there are seven Restricted Areas on the Ocala National Forest. These Restricted Areas shall be given top priority to avoid airspace confliction with its users. The Pilot and Helicopter Manager shall coordinate all operations with FICC & SEALORD to eliminate any airspace confliction within the Restricted Areas. The assigned Helicopter Manager and the Pilot will review the Aviation Flight Hazard Map before flight operations commence.

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**Aircraft Performance Planning:**

The pilot is responsible for the accurate completion of load calculations or PPC (military performance planning). Trained personnel shall ensure that aircraft scheduled are capable of performing the mission(s) safely and within the capabilities of the aircraft selected. The helicopter or flight manager shall ensure that manifests, load calculations, weight & balance are completed properly using accurate environmental and aircraft data. Reference NSHO chapter 7 or chapter 70 of the Military Use Handbook for additional information.

**Personal Protective Equipment:** \* Always refer back to current ALSE, NSHO, and manual direction\*

| Type of Operation- Check applicable boxes that may apply to mission or mission        | Personnel protective equipment requirements   |
|---|---|
| <input checked="" type="checkbox"/> <b>Rotor Wing Ground Operations Including UAS</b> | Fire-resistant clothing, hard hat w/chin strap or SPH-5 flight helmet or other approved model, fire resistant and/or leather gloves, all leather boots, eye protection, hearing protection.<br>*Refer to appropriate guides or policies for UAS PPE pending mission*  |
| <input checked="" type="checkbox"/> <b>Rotor Wing</b>                                 | Fire-resistant clothing, SPH-5 flight helmet or other approved model, hard hat w/chin strap, fire resistant and/or leather gloves, all leather boots, eye protection, hearing protection. Additional personnel restraints needed in the helicopter pending type of mission. * Refer to appropriate guides or policies. * Charter flights, (non-agency controlled mission), shall comply with 14 CFR 135 requirements. |
| <input checked="" type="checkbox"/> <b>Doors Off Flight(s)</b>                        | Personnel will remain seated and inside fuselage during all flights, approved secondary restraint harness for doors off flights (only for PLDO, HRAP, HRSP, Aerial Photography, IR Operator, ACETA Gunner, Cargo Letdown, Short Haul Spotter, Cargo Free Fall Operations-type 3 helicopter) * Refer to appropriate guides or policies*  |
| <input type="checkbox"/> <b>Cargo Free Fall Operations</b>                            | Fire-resistant clothing, SPH-5 flight helmet or other approved model, fire resistant and/or leather gloves, all leather boots, eye protection, hearing protection. Additional qualifications, compliance with rotorcraft manual, and approved restraint requirement apply. * Refer to NSHO chapter eleven for additional details or other agency guides and policies. *   |
| <input checked="" type="checkbox"/> <b>Fixed Wing</b>                                 | Refer to current IASG, ALSE, and 5700 manual directions for PPE requirements.   |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**Helicopter, Fixed Wing, or UAS Pilot Information:** \*Fixed wing: Use "other" box, and state approved mission(s) \*\* National Guard, DOJ, DHS, and Co-Op pilots do not require this section, refer to current agency or cooperative letters for information and guidance\*\*

|  |  |
|--|--|
| <p><b><u>Pilot Name (P1): PIC/Primary</u></b><br/>Click here to enter text.</p>  | <p><b><u>Pilot Phone Number:</u></b><br/>Click here to enter text.</p>   |
| <p><b><u>Pilot Name (P2): Co-Pilot/Relief</u></b><br/>Click here to enter text.</p>  | <p><b><u>Pilot Phone Number:</u></b><br/>Click here to enter text.</p>   |
| <p><b><u>Pilot Carded For Mission:</u></b> Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Charter Pilot <input type="checkbox"/> 135 Certificate and FAR's Apply</p> <p><b>** Use of charter pilot requires regional forester approval**</b></p> <p><b>Check all boxes that apply to pilot(s) carding below:</b></p>  | <p><b><u>Pilot Card (P1) Expiration Date:</u></b><br/>Click here to enter a date.</p> <p><b>FAA-UAS Lic. #</b> Click here to enter text.</p> <p><b><u>Pilot Card (P2) Expiration Date:</u></b><br/>Click here to enter a date.</p> <p><b>FAA-UAS Lic. #</b> Click here to enter text.</p>  |
| <p>Low-Level Recon &amp; Survey P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Helitack-Passenger Transport P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>External Load (Belly Hook) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Water-Retardant Delivery P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Longline VTR (150') P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Snorkel VTR <input type="checkbox"/> Mirror <input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Mountainous Terrain Flying P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Aerial Ignition (PSD) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Aerial Ignition (Torch) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Rappel Operations P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Cargo Letdown P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Snow Operations (Deep Snow) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Hoist P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p><b>UAS P1 <input type="checkbox"/> P2 <input type="checkbox"/> Check and complete next section</b></p> | <p>Designated "Pilot Trainer" P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>"Trainee Only" Pilot P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Short Haul LE <input type="checkbox"/> SAR <input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Float Operations (Fixed) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Platform Landings-Offshore P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Vessel Landings P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Night Vision Goggle Operations P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>ACETA Net Gun (All ACETA) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>ACETA Eradication P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>ACETA (Herding) P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>ACETA Darting-Paintball P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>STEP P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Other <input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/></p> <p>Click here to enter text.</p> |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## UAS Section:

### Procurement:

Public- Agency Owned       Commercial- Contract

Comments- [Click here to enter text.](#)

### Aircraft Information: \*Attach addendum page if running multiple aircraft\*

Fixed-Wing      UAS Make – Choose an item.      UAS Model – Choose an item.

Rotor-Wing (VTOL)

Carded for Mission -  YES     NO

Card Expiration Date - [Click here to enter text.](#)

Registration #- [Click here to enter text.](#)

Aircraft Color Scheme - [Click here to enter text.](#)

### Crew: Other Than Pilot: Pilot(s) information found on Helicopter and Fixed-Wing Pilot Information Sheet

UAS Crew Leader – [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

UAS Data Specialist (1) - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

UAS Data Specialist (2) - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

UAS Visual Observer (1) - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

UAS Visual Observer (2) - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

Additional Crew - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

Trainee Pilot/FAA UAS Lic. # - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

Trainee Pilot/FAA UAS Lic. # - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

Trainee Pilot/FAA UAS Lic. # - [Click here to enter text.](#)

Contact Number - [Click here to enter text.](#)

### TFR Information:

[Click here to enter text.](#)

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## Airspace Authorization:

Part 107     107/LAANC     SGI Waiver     COA     FAA/DOI MOA

**Authorization Comments** – [Click here to enter text.](#)

## Lost Link and Flyaway Procedures-Protocols:

[Click here to enter text.](#)

## Special Consideration-Safety Concerns-Comments Section:

[Click here to enter text.](#)

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

**Flight Following And Frequencies:**

**\*Confirm frequencies during the briefing prior to flight\***

**\*FAA Flight Plan (chartered aircraft non-agency controlled mission) no frequencies required\***

**\*Chartered 135 operator is responsible for communications and flight plan\***

|   |                       |  |
|---|-----------------------|--|
| Flight Following Method:      AFF <input checked="" type="checkbox"/> Radio (Local or GACC aircraft desk) <input checked="" type="checkbox"/> |                       |  |
| FAA Flight Plan: (Agency-owned or agency contracted aircraft mission) <input checked="" type="checkbox"/>                                     |                       |  |
| FAA Flight Plan: (Charter aircraft non-agency controlled mission) <input type="checkbox"/>  |                       |  |
| FM Receive: 172.3750  | FM Transmit: 165.2250 | RX: No Tone<br>TX: Tone 2 123.0<br>Digital-\$4CE |
| FM Receive: 168.6750  | FM Transmit: 168.6750 | RX: No Tone<br>TX: No Tone                       |
| FM Receive: 167.6250  | FM Transmit: 167.6250 | RX: No Tone<br>TX: No Tone                       |
| AM Receive: 122.125   | AM Transmit: 122.125  | No Tone  |

**\*\*Manager or Mission Supervisor will coordinate Temporary Flight Restrictions (TFR) if needed\*\***

**Military Training Route(s) (MTR'S) or Military Operating Area(s) (MOA'S)**

**Mission supervisor, alternate supervisor, or delegated manager shall confirm deconfliction in these routes and areas prior to the flight with dispatch or other approved local methods. Deconfliction will be addressed during the aviation safety plan briefing.**

| MTR-MOA            | Route Legs-Altitudes  | Activity  | Time  | Time Zone   |
|--------------------|---|---|---|---|
| R-2906 and<br>2907 | VR-1010, VR-1041, and<br>VR-1040.<br>VR- 1500 ft. AGL and<br>above.   | Hot <input type="checkbox"/><br>Cold <input type="checkbox"/><br>N/A <input type="checkbox"/> | Start: Check Daily with<br>Sealord<br><br>Stop: <a href="#">Click here to enter<br/>text.</a> | UTC <input type="checkbox"/><br>Local <input checked="" type="checkbox"/> |
| R-2910             | VR-1009, VR-1008, VR-<br>1005, VR-1039, and IR-<br>023<br>VR- 1500 ft. AGL and<br>above. IR- 1500 ft. AGL<br>and below. | Hot <input type="checkbox"/><br>Cold <input type="checkbox"/><br>N/A <input type="checkbox"/> | Start: Check daily with<br>Sealord<br><br>Stop: <a href="#">Click here to enter<br/>text.</a> | UTC <input type="checkbox"/><br>Local <input checked="" type="checkbox"/> |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

|  |  |
|--|--|
| <b>Crash Rescue/Medivac Plan</b>   |  |
| <b>General Instructions (in the event of an incident):</b> <span style="color: red;">Mission site duties and actions to be coordinated through dispatch in accordance with local search &amp; rescue (SAR) and emergency crash rescue plan(s). These items will be discussed and recorded during the daily safety briefing.</span>   |  |
| Specified crash rescue duties will be assigned to ground operations personnel each day before flights of any kind. Crash rescue and first aid equipment will be located near the helicopter operations site, and equipment's location made known to all personnel. Information and instructions will be sent/received through the local dispatch office or communications.   |  |
| EMT(s) on-site:    YES <input type="checkbox"/> NO <input type="checkbox"/>  |  |
| <b>Names:</b><br>Click here to enter text.    Click here to enter text.    Click here to enter text.    Click here to enter text.  |  |
| First responder(s) on-site: YES <input type="checkbox"/> NO <input type="checkbox"/>   |  |
| <b>Names:</b><br>Click here to enter text.    Click here to enter text.    Click here to enter text.    Click here to enter text.  |  |
| Available medivac helicopter(s)?                      YES <input type="checkbox"/> UNKNOWN <input type="checkbox"/><br><br><span style="color: red;">*Unknown: Select if medivac helicopter is not to be ordered for the mission or incident before need. The helicopter will be requested on-demand through the dispatch process. Dispatch will provide medivac ship call sign or tail number, including capabilities and contact information. *</span> |  |
| Medivac helicopter on-site?                      YES <input type="checkbox"/> NO <input type="checkbox"/>  |  |
| Level of care medivac helicopter personnel can provide:    ALS <input type="checkbox"/> BLS <input type="checkbox"/> Unknown <input type="checkbox"/>  |  |
| FAA Tail #(s) <small>Click here to enter text.</small>   | <b>Contact Information:</b> <small>Click here to enter text.</small> |
| Hoist/Rappel/Extraction Capable?    YES <input type="checkbox"/> NO <input type="checkbox"/>   |  |
| Check all that apply:    Hoist <input type="checkbox"/> Rappel <input type="checkbox"/> Short Haul <input type="checkbox"/>  |  |



# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

Additional medical information attached? YES  NO

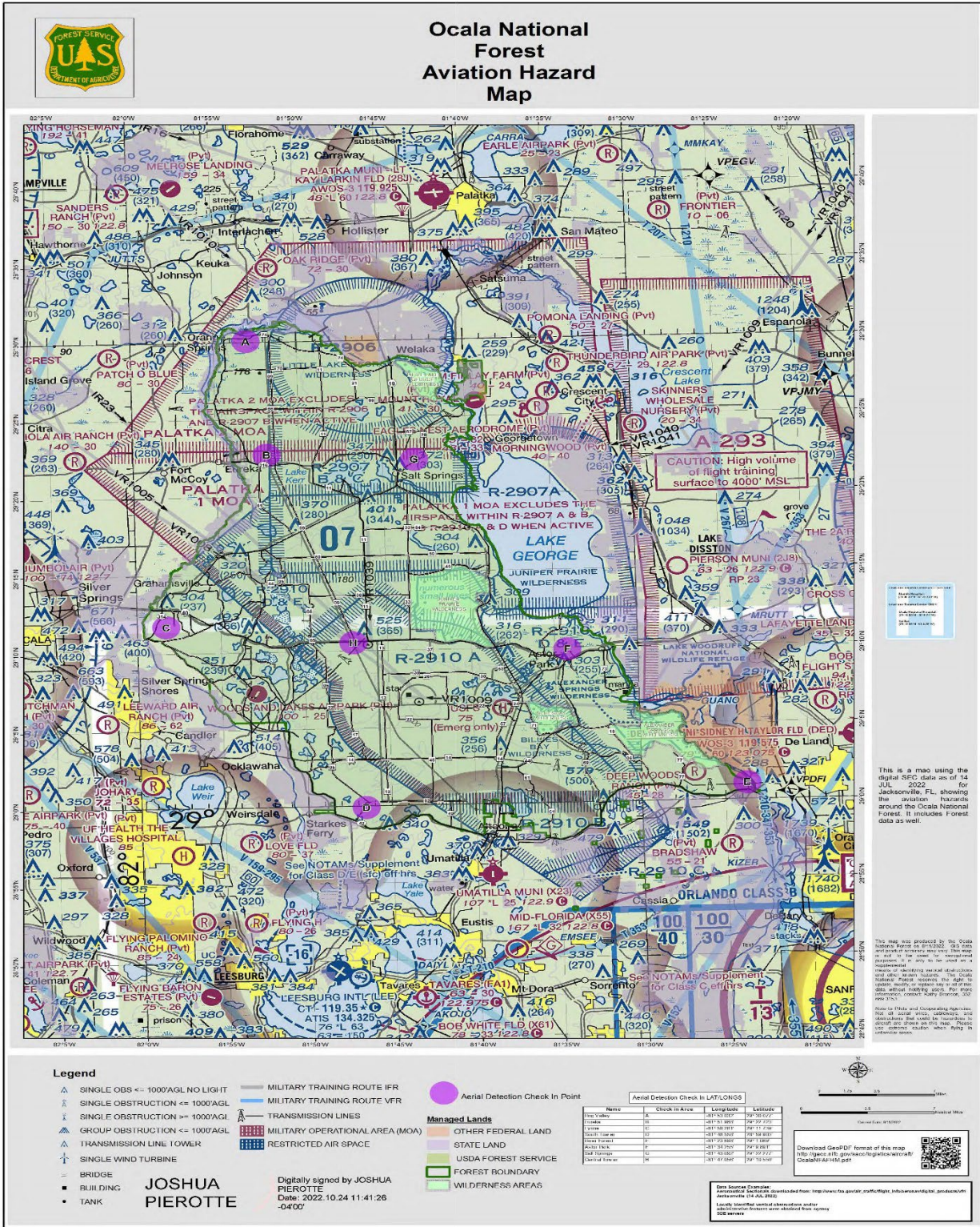
|  |   |  |
|--|---|--|
| <b>MEDICAL FACILITY</b><br><br>Florida Hospital Waterman | <b>Name/Location/Helipad Information</b><br><br>Waterman Hospital/City of Tavares/<br>Helipad marked with H and Lighted | <b>Helipad</b><br>YES <input checked="" type="checkbox"/><br>NO <input type="checkbox"/> |
| Latitude N 28 48.50'                                     | Longitude W 081 52.04'  | Contact Freq EMS Med 7 Rx<br>463.150 TX 468.150 Tone 94.8                                |

|   |  |  |
|---|--|--|
| <b>MEDICAL FACILITY</b><br><br>Putman Community | <b>Name/Location/Helipad Information</b><br><br>Putman Community / City of Platka/ Helipad<br>next to ER on the ground | <b>Helipad</b><br>YES <input checked="" type="checkbox"/><br>NO <input type="checkbox"/> |
| Latitude N29 38.60'                             | Longitude W081 41.60'  | Contact Freq None have dispatch<br>notify hospital by Landline 386-<br>328-5711          |

|   |   |  |
|---|---|--|
| <b>NEAREST BURN FACILITY</b><br><br>Shands Hospital | <b>Name/Location/Helipad Information</b><br><br>Shands/ Gainesville/ On Roof on the south<br>side Pad 2 | <b>Helipad</b><br>YES <input checked="" type="checkbox"/><br>NO <input type="checkbox"/> |
| Latitude N29 38.42'                                 | Longitude W082 20.55  | Contact Freq Rx 123.02 Tx 123.02   |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## Flight Hazard Map CY23



# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

|  |   |
|--|---|
| <input checked="" type="checkbox"/> <b>Doors Off or Doors Open Flight(s)</b> | <p>Personnel will remain seated and inside fuselage during all flights, approved secondary restraint harness for doors off flights (only for PLDO, HRAP, HRSP, Aerial Photography, IR Operator, ACETA Gunner, Cargo Letdown, Short Haul Spotter, Cargo Free Fall Operations-type 3 helicopter) * Refer to appropriate guides*</p> <p><b>**Safety Alert IASA 18-03 language**</b></p> <p><i>“Agency personnel involved in any public aircraft operations mission that require aircraft doors to be removed prior to flight, or open during flight, shall receive hands-on secondary restraint refresher training prior to conducting flight operations”.</i></p> |
|--|---|

**Doors Off or Open Operations checklist: \*\*All items shall be covered and signed for prior to operations\*\***

- Aircraft connection point and secondary restraint configuration (Interagency Safety Alert IASA 17-02)
- Proper donning and adjustment of secondary restraint system.
- Have an understanding of the secondary restraint interaction with FAA approved seat belts.
- Potential of secondary restraint interference with Airbus AS 350 fuel shut off lever if applicable.
- Know location and use of secondary restraint interaction quick- release.
- Perform buddy-check and Pilot in Command check of secondary restraints before flight.
- Practice egress with secondary restraint quick-release mechanism and function of seatbelt.
- Know location and use of rescue knife.

|                             |                 |                |       |
|-----------------------------|-----------------|----------------|-------|
| Vendor Name:                | Aircraft Model: | Aircraft Make: | FAA#: |
| Mission Supervisor/Manager: | Date:           | Pilot:         | Date: |

| Participant's Name: Print | Date | Participant's Name: Print | Date |
|---------------------------|------|---------------------------|------|
|                           |      |                           |      |
|                           |      |                           |      |
|                           |      |                           |      |



# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## Appendix 1

### Hazardous Materials Manifest

#### Form (cont.) DOT-SP-9198

Date: Click or tap to enter a date. Aircraft #: Click or tap here to enter text. Bureau/Agency: Click or tap here to enter text.

| Common Name                    | Shipping Name   | Hazard Class             | UN #   | ERG #     | QTY | WT |
|--------------------------------|---|--------------------------|--------|-----------|-----|----|
| Acetylene                      | Acetylene, dissolved  | 2.1<br>Flammable Gas     | UN1001 | 116       |     |    |
| Aerosols                       | Aerosols non-flammable each not exceeding one-liter capacity  | 2.2<br>Non-Flammable Gas | UN1950 | 126       |     |    |
| Aerosols starting fluid, WD-40 | Aerosols flammable each not exceeding one-liter capacity  | 2.1<br>Flammable Gas     | UN1950 | 126       |     |    |
| Batteries dry                  | Batteries dry, containing potassium hydroxide solid electric storage  | 8<br>Corrosive           | UN3028 | 154       |     |    |
| Batteries wet                  | Batteries wet filled with acid  | 8<br>Corrosive           | UN2794 | 151       |     |    |
| Batteries wet                  | Batteries wet filled with alkali  | 8<br>Corrosive           | UN2795 | 131       |     |    |
| Batteries wet                  | Batteries wet non-spillable   | 8<br>Corrosive           | UN2800 | 154       |     |    |
| Bear spray, irritants          | Aerosols flammable each not exceeding one-liter capacity  | 2.1<br>Flammable Gas     | UN1950 | 126       |     |    |
| Biomedical waste               | Infectious substances affecting humans  | 6.2                      | UN2814 | 158       |     |    |
| Cartridge                      | Cartridge for small arms  | 1.4s                     | UN0012 | 114       |     |    |
| Clorox, liquid bleach          | Hypochlorite Solutions  | 8<br>Corrosive           | UN1791 | 154       |     |    |
| Diesel                         | Diesel, fuel  | 3<br>Flammable           | UN1993 | 128       |     |    |
| Drip torch fuel                | Gasoline/ Diesel  | 3<br>Flammable           | UN1203 | 128       |     |    |
| Engine, internal combustion    | Engine, internal combustion, flammable gas powered <i>or</i> Engine, fuel cell, flammable gas powered <i>or</i> Machinery, internal combustion, flammable gas powered <i>or</i> Machinery, fuel cell, flammable gas powered | 2.1                      | UN3529 | 135, A200 |     |    |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## Hazardous Materials Manifest

### Form (cont.) DOT-SP-9198

Date: Click or tap to enter a date. Aircraft #: Click or tap here to enter text. Bureau/Agency: Click or tap here to enter text.

| Common Name                    | Shipping Name   | Hazard Class             | UN #   | ERG #         | QTY | WT |
|--------------------------------|---|--------------------------|--------|---------------|-----|----|
| Engine, internal combustion    | Engine, internal combustion, flammable liquid powered <i>or</i> Engine, fuel cell, flammable liquid powered <i>or</i> Machinery, internal combustion, flammable liquid powered <i>or</i> Machinery, fuel cell, flammable liquid powered | 3                        | UN3528 | 135, A20<br>0 |     |    |
| Engine, internal combustion    | Engine, internal combustion <i>or</i> Machinery, internal combustion  | 9                        | UN3530 | 135, A20<br>0 |     |    |
| Engines internal combustion    | Engine internal combustion flammable gas powered  | 9<br>Misc.               | UN3166 | 128           |     |    |
| Fire extinguisher              | Fire extinguisher   | 2.2<br>Non-Flammable Gas | UN1044 | 126           |     |    |
| Fireline explosives FLE        | Explosive blasting type E   | 1.1D<br>EXPLOSIVES       | UN0241 | 112           |     |    |
| Flare shell<br>Pistol<br>flare | Flammable solid, inorganic, nos (Aluminum powder)   | 4.1<br>Flammable Solid   | UN3178 | 133           |     |    |
| Fuel white gas                 | Petroleum distillates, nos, (Naphtha solvent)   | 3<br>Flammable           | UN1268 | 128           |     |    |
| Fuel, aviation jet-A           | Fuel aviation, turbine engine   | 3<br>Flammable           | UN1863 | 128           |     |    |
| Fusee                          | Fusee (rail or highway)   | 4.1<br>Flammable Solid   | UN1325 | 133           |     |    |
| Gasoline                       | Gasoline  | 3<br>Flammable           | UN1203 | 128           |     |    |
| Lithium battery                | Lithium battery   | 9<br>Misc.               | UN3090 | 138           |     |    |
| MAPP gas helitorch             | Methyl acetylene propadiene propane mixtures stabilized   | 2.1<br>Flammable Gas     | UN1060 | 116P          |     |    |
| Nitrogen                       | Nitrogen, compressed  | 2.2<br>Non-Flammable Gas | UN1066 | 121           |     |    |
| Nitrogen refrigerated          | Nitrogen, refrigerated liquid, cryogenic liquid   | 2.2<br>Non-Flammable Gas | UN1977 | 120           |     |    |

# SOUTHERN REGION-MISSION AVIATION SAFETY PLAN

## Hazardous Materials Manifest

### Form (cont.) DOT-SP-9198

Date: Click or tap to enter a date. Aircraft #: Click or tap here to enter text. Bureau/Agency: Click or tap here to enter text.

| Common Name         | Shipping Name   | Hazard Class             | UN #   | ERG # | QTY | WT |
|---------------------|---|--------------------------|--------|-------|-----|----|
| Oxygen              | Oxygen, compressed  | 2.2<br>Non-Flammable Gas | UN1072 | 122   |     |    |
| Paint               | Paint including lacquer, enamel, stain, shellac, solutions, varnish, polish, liquid filler, and lacquer base, wood preservative | 3<br>Flammable           | UN1263 | 128   |     |    |
| Petro-gel helitorch | Gelling agent-helitorch   | 3<br>Flammable           | UN1230 | 131   |     |    |
| Petroleum oil       | Petroleum oil   | 3<br>Flammable           | UN1270 | 128   |     |    |
| Plastic spheres     | Potassium permanganate  | 5.1<br>Oxidizer          | UN1490 | 140   |     |    |
| Propane             | Petroleum gases, liquefied  | 2.1<br>Flammable Gas     | UN1075 | 115   |     |    |
| Total Weight        |   |                          |        |       |     |    |
| Shipper's Signature |   | Location                 |        |       |     |    |
| Pilot's Signature   |   |                          |        |       |     |    |