

UASD Duties for Type 3 UAS Mods

Action	Steps	References
<p>Before You Go</p>	<ol style="list-style-type: none"> 1. Obtain Resource Order from Dispatch, coordinate with Regional UAS Specialist 2. Coordinate travel- Gov't credit card, travel authorization, vehicle reservation, airfare, etc 3. Gather personal documentation- red card, Part 107 license, USFS remote pilot qual card 4. Hardware- UAS, payloads, batteries, generator, cables, flash drives, spares, etc 5. Software- ArcGIS Pro license on local computer w/ offline license checked out, Google Earth, VLC player, Firenet configuration, Pix4Dmatic/mapper, copy of folder structure template 6. Gather incident UAS documentation- 21B card, check maintenance logs in Alaris Pro (requires account login), SGI, COA/CoW, MASP 7. File SGI if needed 8. Familiarize yourself with AOI - Aviation Hazards Map, VFR chart, USFS basemaps, Values at Risk (data obtained from GISS or READ), IFTDSS, Visualize it, FRAMES 9. At check in, check out tool from supply and clone/check out radio from comms. Gather incident specific references like IAP, maps 10. Check in w/ GISS/SITL > Get added to incident group in NIFC and ensure working access to Incident Field Maps, download offline area in Field Maps, establish OneDrive folder or other data sharing with IMT GISS/STIL, if permissible, and self join UAS Operations group in NIFC AGOL, share UAS Heat Reporting for GISS guidance with GISS/SITL 11. Load maps into GCS, build elevation data on GCS (req internet connection) as outlined in appropriate UAS manual 12. Check in with UASP lead or UASL/M and then check in with IMT Ops and/or Air Ops. Determine working hours, chain of command, how to submit time, mission locations, data objectives, final products desired, data delivery. 	<p>PMS 515</p> <p>2026_UASforFire_FolderTemplate</p> <p>UAS manual - AltaX</p> <p>UAS manual - Anafi</p> <p>UAS manual - Astro</p> <p>UAS manual – other</p> <p>Sensor Reference Sheets</p> <p>UASD toolbox</p> <p>UASP toolbox</p> <p>PMS 936-1</p> <p>SGI by Survey123 tutorial (Step-by-step video instruction on UASP toolbox)</p> <p>Legacy SGI Instruction</p> <p>Packing List for Wildland Fire Fireline Personnel & Support Staff</p> <p>Firenet account setup</p> <p>OneDrive setup tutorial</p>

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	<p>13. Identify LRZs – Site Selection workflow, recon and field site visits, discuss with ops, consider access and egress, terrain for takeoff and landing suitability and communication signal, proximity to fire activity and/or air operations, line of sight, GCS connectivity, cell/WIFI coverage</p>	<p>UAS Heat Reporting for GISS guidance in Job Aids folder, 2026_UASforFire_FolderTemplate</p>
<p>Daily Duties</p>	<ol style="list-style-type: none"> 1. Check in with appropriate chain of command - UASP lead, UASL/M, Air Ops, Division leadership 2. Review IAP to verify comms, discuss weather, fire behavior, division missions, med plan 3. Manage batteries 4. Manage for UAS scheduled maintenance (Alta X, Astro) 5. Log batteries, scheduled maintenance, and flights in Alaris Pro 6. Visual Observer duties 7. Deliver daily data - tactical data to Division and other field units, UAS heat reporting in Survey123 or add event points in Incident Field Maps, IR images/FMVs to GISS/FBAN/LTAN/OPS via established data sharing. 8. LRZ set up and break down 	<p>NIFC AGOL</p> <p>UAS Heat Reporting Survey123 Tutorial in Job Aids folder, 2026_UASforFire_FolderTemplate</p>
<p>Special Tasks</p>	<ol style="list-style-type: none"> 1. Add LRZs in Incident Field Maps as Event Point UAS Launch Site 2. Create custom ops maps that can be loaded into GCS for Aerial ignition (Ai) missions in ArcGIS Pro with improved imagery, custom contour lines, additional layers like LANDFIRE's Existing Vegetation Type, incident-specific IFTDSS generated Rate Of Spread or Flame Length 3. Create clamped overlays in Google Earth for Ai mission planning burn plans 4. Create screen recordings of FMV by transferring video from WIRIS sensor to computer to generate FMV in ArcGIS Pro using Video Multiplexer 5. Document SAFECOMs, if needed 6. Calculate UAS MOD weight for transport, example spreadsheet in Job Aids folder 2026_UASforFire_FolderTemplate 	<p>SAFECOM Guidance</p> <p>Field Maps</p> <p>IFTDSS</p> <p>Contour lines</p> <p>Strategic Analytic Branch</p> <p>FMV guidance in Job Aids folder, 2026_UASforFire_FolderTemplate</p>

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	7. Support requests for imagery from READS, PIO, Safety, other units	
Data Sharing Options	<ol style="list-style-type: none">1. Survey123 UAS Heat Reporting form works with georeferenced images of hotspots pulled from the WIRIS.2. Once added to the Incident AGOL group, add data points direct into Field Maps using the Hot Spot event point3. Share with GISS/FBAN/LTAN/Ops by established data sharing connection, i.e. UAS folder in Situation Channel of Team's Firenet OneDrive, create and share a Google Drive, flash drive4. With service, screenshots can be emailed directly from the GCS if a gmail account has been set up5. Without service, use a flash drive to transfer screenshots and recordings from GCS tablet to your phone or computer. If using an Android phone, Quick Share can transfer the screenshots from the GCS to your Android phone directly	