BLM UAS Incident Request – Workflow

Task	Responsible Party
Determine UAS is desired for incident mission (s)	Proponent
Informal UAS availability/capability query	Proponent and BLM Program Manager
Prepare mission requirements	Proponent
Feasibility/coordination call - **Decision to move forward**	Proponent and BLM Program Manager
Aviation Safety Planning	Proponent and BLM Program Manager
Airspace Authorization (ECOA/Class G Notification/NOTAM)	BLM Program Manager, OAS
Establish availability of UAS crew and Data specialist and designate crewmembers/Data Specialist	BLM Program Manager
Order UAS crew	Dispatch - Name request as THSP through established ordering procedures
UAS crew mobilization	UAS Crew Leader
UAS crew inbrief	Proponent/receiving unit
Designate UAS crew in chain of command – Identify supervisor	Proponent/receiving unit
UAS operations on incident and daily AAR	UAS Crew Leader and designated supervisor
Release/Demob	UAS Crew Leader/dispatch/DMOB.
AAR/Lessons Learned/Debrief	Proponent, BLM Program Manager, UAS Crew Leader, Data Specialist, designated UAS supervisor

BLM UAS Request – Mission Requirements

This information is required by the UAS crew in order to assess feasibility of the mission and to determine which aircraft and sensors to utilize. The proponent/requesting unit typically develops this information in conjunction with a BLM UAS SME.

Project Location	Point, polygon, or shape data provided to BLM UAS Working Group
Proponent Information	Name, phone, email
Funding	Management code and amount available
Project background	Brief description of project history
Project objectives	Concise requirements for the UAS mission (SMART)
Imagery Resolution	< 1cm, 1-10cm, 10-30cm, 30cm-5m, 5m-50m, 50m-250m, >250m
Derived products	Orthophoto, DEM, 3D point cloud, video/photos, basic GIS map
Analysis products	Veg map, feature extraction, volumetric, time series, full motion video
Other products	Fireline situational awareness, FOBS/FBAN/GIS support, etc.
Timeline	Date/time needed
Mission timing	Is it critical to accomplish this mission during a specific period? Why?
Data processing timing	Is it critical to process the data immediately? Why?
Additional details	Proponent comments which contribute relevance to the project

Mobilization - Incident mobilization for UAS crews is a work in progress. A flight crew of 2-3 individuals will typically perform missions on the incident and a Data Specialist will work remotely to process data. The Data Specialist position is similar to an Infrared Interpreter (IRIN). None of these positions are identified in ROSS. The BLM Program Manager will work with dispatch to name request personnel as Technical Specialists.

Operations – The UAS Crew Leader will work with the immediate supervisor me meet daily objectives. All UAS flights will be coordinated with on scene aerial supervision, helibase, and operations personnel. A trained ATGS/ATS is typically part of the UAS crew and will ensure established separation procedures are followed. The UAS crew has AM/FM radio and satellite phone capability. The UAS crew has a vehicle and carries the supplies required for incident/fire camp conditions.