

Project Proposal Form

Please complete and submit this form to:

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Champion:

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Background:

During the 2015 fire season in British Columbia, the BC Wildfire Service completed a pilot project to assess the possible effectiveness of utilizing unmanned aerial systems (UAS) to capture orthomosaic images and conduct infrared thermal scanning, with promising results.

Issue:

In order to engage with UAS service providers, the BC Wildfire Service requires an evaluation tool or system to assess the capabilities of providers related to the capture and display of visible and thermal imagery for the purposes wildfire operations.

Objective(s):

Develop a "thermal grid" that UAS service providers can be assessed on to determine if they have the necessary competencies and qualifications to operate in a wildfire environment in support of operations.
Develop a decision aid that can be used to evaluate and categorize the type of equipment and level of service that UAS service providers could possibly provide.

Approach:

Meeting the objectives would likely require fieldwork to design and establish a thermal grid, as well as research on the types of UAVs and thermal/camera systems available and likely to be utilized in the wildfire industry. The BCWS would play a strong supporting role with the new availability of operations research technicians working on projects over the off-season.