

Operating Area – Randolph, VT

c. Operating Areas.

- (1) How do you ensure that there is no unusual ground activity under the flight operations area?
For example, are there any weekend events scheduled? Are there housing areas or public gathering places?

The primary operations area is ARA property. The overall identified operating area is sparsely populated rural farming and wooded areas to minimize the potential for unplanned activities being encountered. As part of the UAV preflight checklist, operational checks of the onboard payload module will be verified. This payload provides downward 360 degree video capability which will provide real time situational awareness of unusual ground activities occurring in the area. Most operating missions will be relatively short in their travel from the launch point to minimize the potential of encountering unusual ground activity and will be conducted adjacent to our facility.

For flights departing within our proposed operating area, but not adjacent to our facility (i.e. flights performed at another launch point with improved visibility) we will be reviewing current NOTAM's and TFR's prior to departure.

- (2) Identify any military or civilian routes through the proposed operational area.

We have identified that Victor Airway 447 transverses our proposed operating area. Due to our proposed 1000 foot AGL altitude restriction and 3500 foot terrain adjacent to our western operating area boundary we are confident that aircraft travelling Victor Airway 447 will not be affected by our operations.

- (3) Identify the proposed operating area on an aeronautical chart. The proposed area needs to define lateral boundaries and requested altitudes.

The proposed operating area for Nighthawk UAS operations (as shown in Figure 1 and Figure 2) is an area surrounding the ARA Randolph, VT facility. This operating area encompasses three potential launch points (see Figure 2), where the primary point will be the ARA facility. The area is bounded by a southern line from Lat(43°54'24"N) Lon(72°39'32"W) running easterly for approximately 1.8 nm to Lat(43°54'32"N) Lon(72°37'0"W); then running in a northerly direction for approximately 2 nm to Lat(43°56'35"N) Lon(72°37'26"W); then running in a southwesterly direction approximately 1.3 nm to Lat(43°55'48"N) Lon(72°38'54"W); then running in a southerly direction approximately 0.7 nm to Lat(43°55'8"N) Lon(72°38'48"W); then running in a westerly direction approximately 0.7 nm to Lat(43°54'55"N) Lon(72°39'49"W); returning in a southerly direction approximately 0.6 nm to the starting point at Lat(43°54'24"N) Lon(72°39'32"W). Within this area the primary operations area would be centered around our ARA facility, located at approximately Lat(43°54'47"N) Long(72°39'35"W). Operating altitude within the entire operating area would be up to a maximum of 1000 ft AGL.

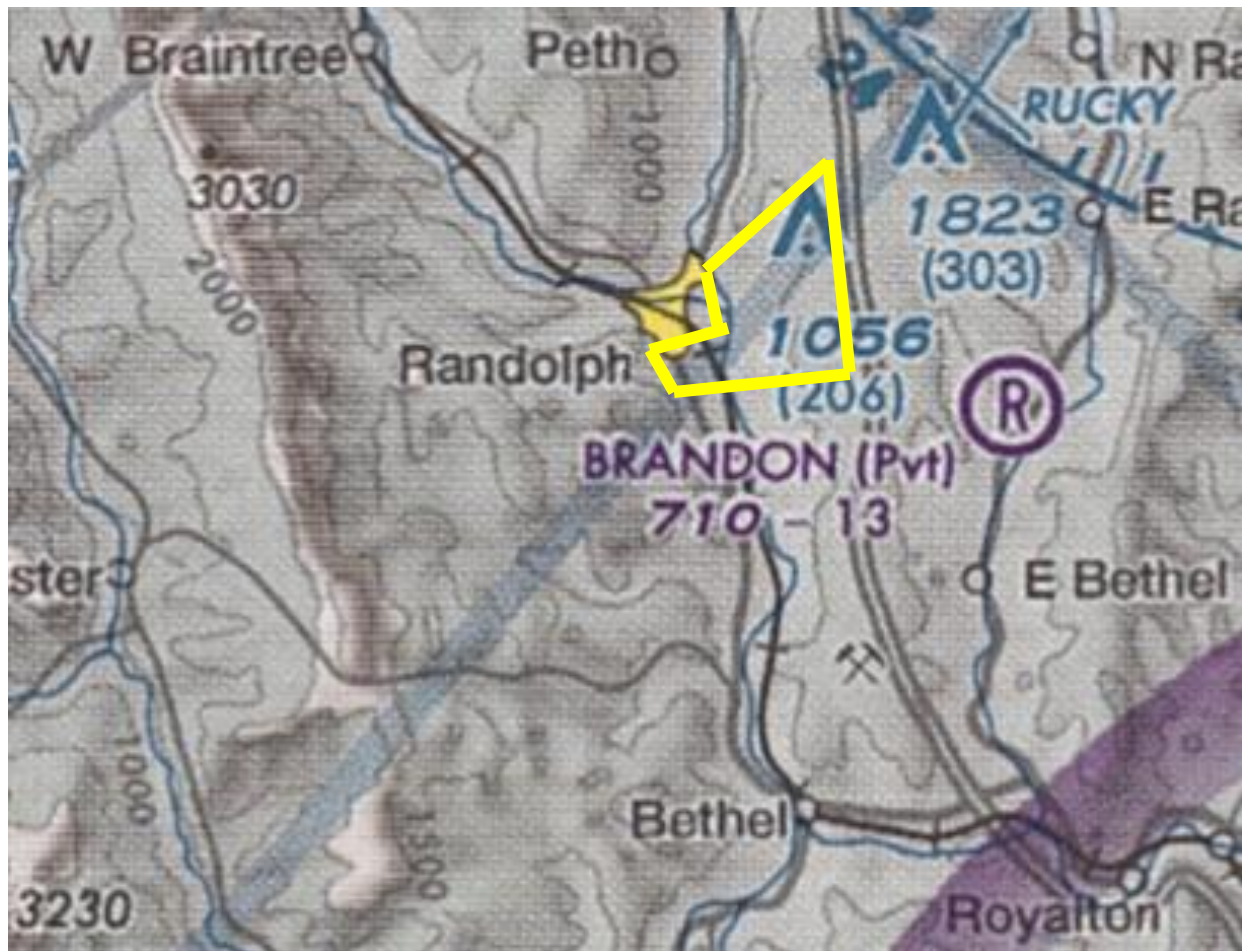


Figure 1. Map of operating area on FAA sectional map.

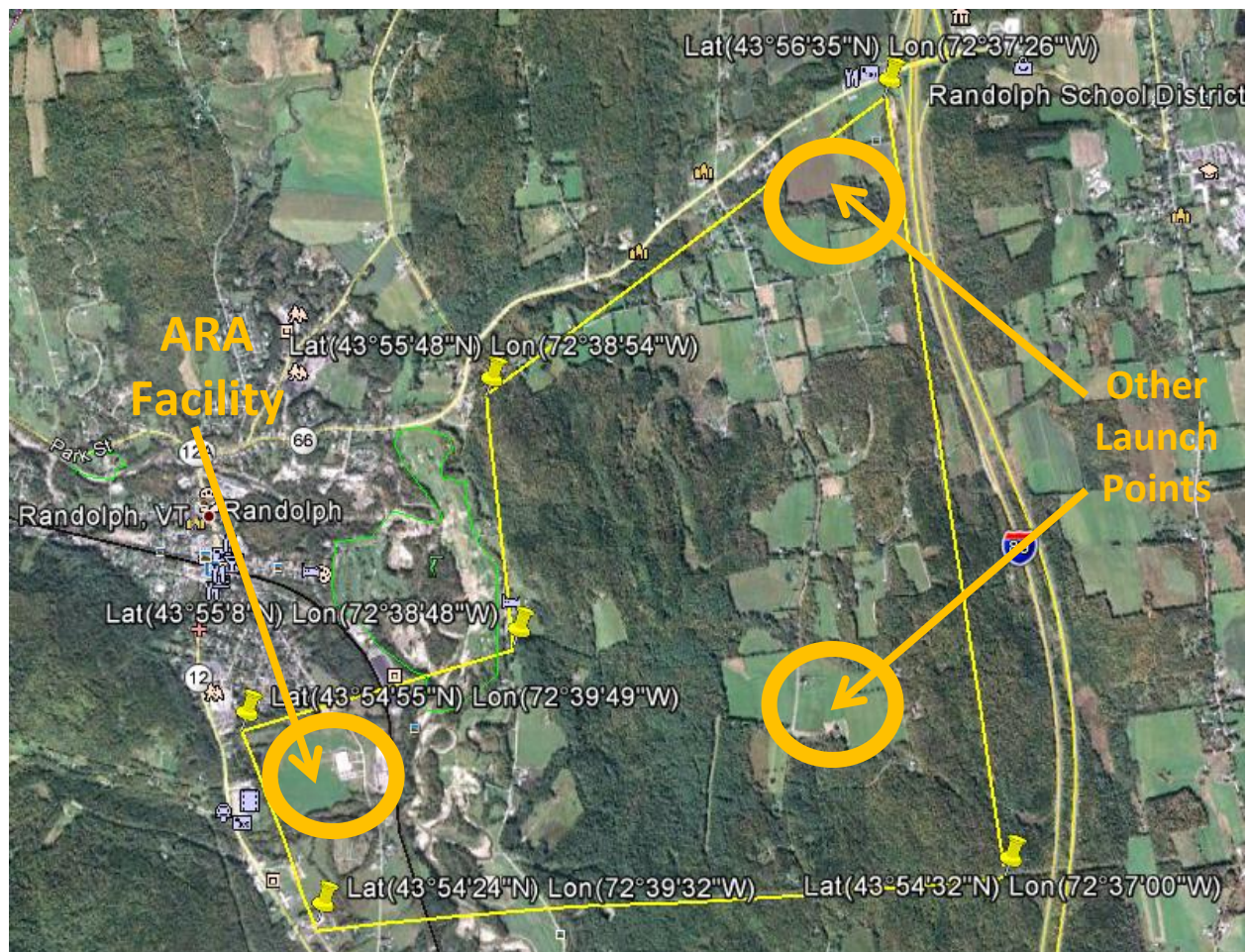


Figure 2. Map of operating area (from GoogleEarth), outlined in yellow, showing ARA's facility (primary launch point) and two other planned launch points within the operating area.