



# Ogden City

## POLICE DEPARTMENT

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### Ogden Police Statement of Airworthiness

To Whom It May Concern:

UCAID has designed for the Ogden Police Department a dirigible UAS. This UAS is a nocturnal surveillance airship which will be used for law enforcement surveillance of high crime areas of Ogden City. UCAID has provided to Ogden Police sufficient information and training to certify the airworthiness of the aircraft.

The primary purpose of the UAS is as follows: from a vantage point of approximately 400 feet the UAS would fly a set computer program for up to five hours and then return to its launching point. During flight the camera system would be monitored for suspicious activity and the Pilot in Command would send an officer to investigate. The Pilot in Command would also be able to be manually operate the UAS so that it could remain on scene waiting for an officer's arrival.

As the UAS will be equipped with a high-end autopilot as well as radio control capabilities, the incidence of lost link is unlikely. Test flights have indicated that radio control is reliable; moreover, the autopilot has been used in all types of environments and will be reliable as the primary method for control. Test flights of the UAS have shown a pattern of reliability with the links between the GCS and the UAS. Given the consistency of uplinks and downlinks, Ogden Police certify the airworthiness of the UAS.

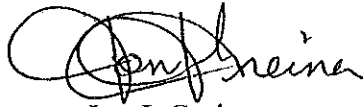
The Ogden Police Department will only use this aircraft within the limitations set by the manufacturer in the Operations Handbook. These limitations within the handbook will address:

1. Weather condition limitations, including wind speed, precipitation, and temperature.
2. Operating speed.
3. Flight duration and allowable time to return to launch site with a reserve of power.

Additionally, Ogden Police will notify local Air Traffic Controller whenever the UAS will be in flight. While the UAS will be flying in Class G airspace, Ogden Police will be in communication with Salt Lake ATC to ensure that aircraft in the area are aware of the presence of the UAS. Moreover, the UAS will be outfitted with a reprogrammable Mode C transponder.

The Ogden Police Department will continue to use the services of UCAID, through contract, for continued testing of all components associated with the aircraft. All components of the UAS, from the airship to the autopilot to the link systems, have been tested extensively and have met industry standards. UCAID will provide maintenance on an as-needed basis and will address any concerns which arise during regular inspections. The UAS will not be flown if it does not comply with airworthiness standards as outlined in the manufacturer's Operation Handbook.

Pursuant to the information provided Ogden Police by UCAID and practical information as indicated by test flights and testing of component parts, Ogden Police certify that the UAS is airworthy and is suitable to fly for the purposes outlined in this application.

A handwritten signature in black ink, appearing to read "Jon J. Greiner". The signature is stylized with a large, circular flourish at the beginning and a long, sweeping underline.

Jon J. Greiner  
Chief of Police