

AIRWORTHINESS

NAVAIR is an entity of the Department of Defense. All UAV/ROA flight operations by NAVAIR will be as "Public Aircraft" (ref. 49 U.S.C. §40102(41) C, 40125(b), FAA Order 8130.2, Airworthiness Certification of Aircraft and Related Products, and AC 00-1.1, Government Aircraft Operations). No type certificate exists for this aircraft. As the Aerostar system is a public aircraft, the system was certified utilizing NAVAIR Instruction 12034.1c.

- a. UAV Ownership. NAVAIR shall own each UAV / ROA that is operated under the authority of a COA issued by the FAA.
- b. UAV Use. The use of any UAV shall only be for: (1) research, analysis, and development that are associated with NAVAIR's programs, purposes and objectives. There shall be no UAV/ROA flights for commercial operations or to support any non-government organization.
- c. Operational Responsibility. All UAV/ROA flight operations shall be under the command and control of NAVAIR.
- d. Operational Safety. NAVAIR shall employ an airworthiness approach that is based on compensating factors from an operational systems perspective that provide a minimum level of certitude, no less than for a manned aircraft operating in the experimental category, with prescribed operating limitations and conditions. NAVAIR shall establish an acceptable or minimum level of safety, based on a system-wide validation approach for each UAV/ROA and the associated flight profile for every mission. NAVAIR shall ensure that flight operations are only performed over sparsely populated surface areas having light air traffic (ref. 14 CFR 91.305).
- e. Flight Safety. NAVAIR shall ensure that any UAV/ROA flown is in operational condition for safe flight and that all equipment and critical flight components (navigation, position and anti-collision strobe light, transponder, and all primary, secondary, and redundant flight control systems) shall be operational at time of takeoff.
- f. The NAVAIR Aerostar air worthiness statement is presented below.

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