

Revised (1/04)

DEPARTMENT OF THE INTERIOR - AVIATION MANAGEMENT

AIRCRAFT RENTAL AGREEMENT PROVISIONS: SUPPLEMENT NO. 5

SPECIAL USE - RESOURCE RECONNAISSANCE

Definitions

Resource Reconnaissance: This type of reconnaissance shall be conducted in aircraft flying at a distance greater than 500' from the terrain. Natural resource survey, transect type operations, utilization of specialized equipment, or missions not normally conducted in the commercial sector are examples of specific tasks that require special consideration.

B8.5.1 GENERAL – Refer to Section B1

B8.5.2 FLIGHT OPERATIONS

B8.5.2.1 Mission accomplishment may require unique aircraft operating techniques that may require additional approval.

B8.5.3 PERSONNEL REQUIREMENTS

B8.5.3.1 Pilots shall be knowledgeable of all specialized mission requirements. This may include special flight techniques, terrain considerations, use of specialized navigation equipment, or operation of other equipment as appropriate for the specific mission.

B8.5.3.2 Pilots shall be requested to demonstrate proficiency during an agency evaluation flight. The proficiency check may not be required if the pilot has been previously carded for low level or fire reconnaissance.

B8.5.3.3 Personal Protective Equipment

B8.5.3.3.1 PPE is not required for resource reconnaissance flights.

B8.5.4 EQUIPMENT REQUIREMENTS

B8.5.4.1 Aircraft shall meet the basic requirements for airworthiness and conditions as listed in Aircraft Rental Agreement (B4).

B8.5.4.2 Installation or utilization of specialized equipment may require additional approval.

B8.5.5 AVIONICS REQUIREMENTS – Resource Reconnaissance II

B8.5.5.1 Avionics equipment for this approval level is dependent upon the type of mission being flown and shall be determined by the using Bureau entity as required.

B8.5.6 AVIONICS REQUIREMENTS – Resource Reconnaissance I

B8.5.6.1 Navigational Systems: One Global Positioning System (GPS) shall be installed in the aircraft. The GPS shall utilize the WGS-84 datum, reference latitude and longitude coordinates in the DM (degrees/minutes/decimal minutes) mode for aircraft positioning, and be powered by the aircraft electrical system. Panel-mounted units shall utilize an approved, fixed, external aircraft antenna. Portable units shall be securely mounted and must utilize an antenna which is external to the GPS unit itself.

B8.5.6.2 One weatherproof, external, broadband antenna covering the 150-174 MHz band (Comant model CI-177 or equal), with associated RG-58A/U (or equivalent) coaxial cable terminated in a male BNC connector within the aircraft cabin in a location which facilitates connection to a unit mounted between the pilot and copilot seats, plus four feet (minimum).

B8.5.6.3 Specific requirements for additional avionics shall be provided when called for, based on mission demands.