

FINAL RELEASE FOR FLIGHT CERTIFICATE		1. MODIFICATION NUMBER	2. DATE
		N/A	20070105
3. MDS/TMS	4. SERIAL NUMBER	5. PROJECT NUMBER	6. LOCAL USE
YMQ-9 / MQ-9	See Block 8	N/A	
7. PROJECT TITLE			
YMQ-9/MQ-9 Reaper UAS Weapons System Experimental Category Airworthiness Certificate			
8. STATEMENT OF CONDITION/REMARKS			
Block 4: UPB97000-1, UHK97000-1, UHK97000-3, UHK97000-5, UHK97000-9, UHK97000-10			
<p>The Air Force has evaluated the YMQ-9/MQ-9 Reaper unmanned aircraft system (UAS) weapon system using accepted DoD technical and safety review board processes and have released it to flight and have found it to be airworthy and safe to operate in National Airspace System with the restrictions noted in Block 9 below.</p> <p>Reaper UAS have been operating in the United States since 2001 and have accumulated over 7,000 flight hours. Continued operation of YMQ-9 and MQ-9 aircraft in national airspace is necessary to fulfill missions in the interest of national security. This airworthiness statement is applicable to flight operations that include training, flight test, flight test support, tactics and procedures development, functional/operational check flights and ferry flights.</p> <p>Preliminary flight manuals and technical orders for the YMQ-9/MQ-9 weapon system are being used. There are no open deficiency reports, safety recommendations, or other system indicators to suggest that this weapon system is not operating within acceptable levels of risk or in accordance with technical data. YMQ-9/MQ-9 engineering designs have been reviewed and documented using established DoD systems engineering and safety review processes. All risks identified to date have been mitigated to a low or medium level before initial flight testing, and are typically rated low after initial testing is completed. All additional flight test operations will follow the same process. Design configuration is controlled by AF and contractor processes</p> <p>YMQ-9/MQ-9 development and integration testing has been performed at GA-ASI facilities in San Diego CA and Adelanto CA. Ground and flight testing have been conducted at GA-ASI facilities in El Mirage CA and Grey Butte CA. Additional flight tests, training and tactics development have been performed in restricted areas in and around Edwards AFB CA, NAS China Lake CA, Creech AFB NV, Nellis AFB NV, Utah Test &amp; Training Range, Yuma Proving Grounds and White Sands Missile Range.</p>			
9. FLIGHT RESTRICTIONS IN ADDITION TO THOSE IN THE PARTIAL FLIGHT MANUAL			
<ol style="list-style-type: none"> <li>1. Reaper UAS must be operated within approved limitations and with approved procedures.</li> <li>2. Flights above densely populated areas are allowable as documented in the specific COA.</li> <li>3. This certificate applies to YMQ-9/MQ-9 aircraft owned, operated or under contract with the USAF.</li> </ol>			
10. NAME AND GRADE OF SAFETY OFFICER		SIGNATURE	DATE
(b) (6) (b) (6) Det 3 658 AESS		//SIGNED-Email Approval//	20070105
11. NAME AND GRADE OF OPERATIONS OFFICER		SIGNATURE	DATE
(b) (6) (b) (6) Det 3 658 AESS		//SIGNED-Email Approval//	20070105
12. NAME AND GRADE OF QUALITY ASSURANCE OFFICER		SIGNATURE	DATE
(b) (6) (b) (6) Det 3 658 AESS		//SIGNED-Email Approval//	20070105
13. NAME AND GRADE OF ENGINEERING OFFICER		SIGNATURE	DATE
(b) (6) (b) (6) 658 AESS, WPAFB		(b) (6)	20071005
14. OTHER (Specify)		SIGNATURE	DATE
(b) (6) (b) (6) 658 AESS, WPAFB		(b) (6)	20070105
15. OTHER (Specify)		SIGNATURE	DATE
(b) (6) (b) (6) 645 AESG, WPAFB		(b) (6)	20070105
16. NAME AND GRADE OF CCB CHAIRPERSON		SIGNATURE	DATE
(b) (6) (b) (6) 658 AESS, WPAFB		(b) (6)	20070105