

		ASN	2007-AHQ-15-COA
		Case Status	(b) (3)
		Date Created	(b) (3)
		Date Submitted	(b) (3)
Proponent Organization		Sponsor	Air Test and Evaluation Squadron TWO ONE (HX-21)
		Attn Of	Commanding Officer
		Address	(b) (6)
		Address2	
		City	Patuxent River
		State	MD
		Postal Code	20670-1619
		Telephone	(b) (6)
		Email	(b) (6)
Declaration		Declaration(a)	(b) (3)
		Declaration(b)	(b) (3)
Point of Contact		Representative	(b) (6)
		Address	(b) (6)
		Address2	
		City	(b) (6)
		State	(b) (6)
		Postal Code	(b) (6)
		Telephone	(b) (6)
		Email	(b) (6)
Operational Description	Requested Effective Period	Beginning	(b) (3)
		End	(b) (3)
		Light out operation	(b) (3)
		VFR operation	(b) (3)
		IFR operation	(b) (3)
		Day operation	(b) (3)
		Night operation	(b) (3)
		Program Executive Summary	(b) (3)
		Operational Summary	(b) (3)
	Location	State	(b) (3)
		County	(b) (3)
		Nearest Airport	(b) (3)

		AOR	(b) (3)
	Class Of Airspace	Class-A	
		Class-B	
		Class-C	
		Class-D	
		Class-E	
		Class-G	
System Description		Aircraft Type	
		Aircraft Type And Model Description Attachment	1
		Control Station Attachment	1
		Communications System Attachment	1
		List Certified Components (TSO) Attachment	1
		Other Attachment	0
Performance Characteristics		Climb Rate (feet/Minute)	500
		Descent Rate (feet/Minute)	500
		Turn Rate (Degrees/Second)	(b) (3)
	Cruise Speed	Maximum	(b) (3)
		Minimum	(b) (3)
		Approach Speed	(b) (3)
	Operating Attributes	Maximum MSL	12000
		Minimum MSL	0
		Gross Takeoff Wt	440.0
		Launch/Recovery Attachment	1
Airworthiness		FAA Type Certificate	
		If No FAA Certificate (Public Aircraft Only) Attachment	1
Procedures		Lost Link/Mission Procedures Attachment	1
		Lost Communications Procedures Attachment	1

		Emergency Procedures Attachment	1
Avionics/Equipment		Equipment Suffix Type	(b) (3)
		GPS	(b) (3)
		Moving map indicator (Command Station)	(b) (3)
		Tracking capability	(b) (3)
		TCA/MCAS	(b) (3)
		ELT	(b) (3)
	Transponder	Transponder	(b) (3)
		On	(b) (3)
		Off	(b) (3)
		Standby	(b) (3)
		Ident	(b) (3)
		Mode S	(b) (3)
		Mode C	(b) (3)
		Transponder Retuneable in Flight	(b) (3)
Lights		Landing	(b) (3)
		Position/Navigation	(b) (3)
		Anti-collision	(b) (3)
		Infrared (IR)	(b) (3)
Spectrum Analysis Approval			(b) (3)
		Data Link	(b) (3)
		Data Link Attachment	(b) (3)
		Control Link(s)	(b) (3)
		Control Link Attachment	(b) (3)
		Operations utilizing Radio Control (R/C) frequencies as described in Title 47 CFR 95	(b) (3)
		NTIA/FCC Authorization Attachment	(b) (3)
ATC Communications	Transmitter VHF Band		(b) (3)
		VHF Band	(b) (3)
		Quantity	(b) (3)
	Transmitter UHF Band	In-Flight Retunable	(b) (3)
			(b) (3)
		UHF Band	(b) (3)
		Quantity	(b) (3)
		In-Flight Retunable	(b) (3)

	Transmitter HF band	HF Band	(b) (3)
		Quantity	(b) (3)
		In-Flight Retunable	(b) (3)
	Receiver VHF Band	VHF Band	(b) (3)
		Quantity	(b) (3)
		In-Flight Retunable	(b) (3)
	Receiver UHF Band	UHF Band	(b) (3)
		Quantity	(b) (3)
		In-Flight Retunable	(b) (3)
	Receiver HF band	HF Band	(b) (3)
		Quantity	(b) (3)
		In-Flight Retunable	(b) (3)
	Guard (Emergency) Frequencies VHF Band	VHF Band	(b) (3)
		Quantity	(b) (3)
	Guard (Emergency) Frequencies UHF Band	UHF Band	(b) (3)
		Quantity	(b) (3)
	Instantaneous Two-Way Voice	Direct to pilot	(b) (3)
		SATCOM	(b) (3)
		Relay via aircraft	(b) (3)
Electronic Surveillance/ Detection Capability		EO/IR	(b) (3)
		Terrain detection	(b) (3)
		Weather/icing detection	(b) (3)
		Radar	(b) (3)
		Other Attachment	(b) (3)
		Electronic detection systems	(b) (3)
		Electronic detection systems attachment	(b) (3)
		Radar observation	(b) (3)

		NAS Operational Capability Attachment	(b) (3)
Visual Surveillance/ Detection Capability	Maximum Distance from UA	Vertical	(b) (3)
		Horizontal	(b) (3)
		Airborne based (Chase Aircraft)	(b) (3)
		Ground based	(b) (3)
		Visual observation from one or more ground sites	(b) (3)
		Forward or side looking cameras	(b) (3)
		Attachment for All	(b) (3)
Aircraft Performance Recording		Flight data recording	(b) (3)
		Control station recording	(b) (3)
		Voice Recording	(b) (3)
Flight Aircrew Qualifications	Pilots	Private (Written)	(b) (3)
		Private (Certified)	(b) (3)
		Instrument	(b) (3)
		Commercial	(b) (3)
		Air Transport	(b) (3)
		Unique Trained Pilot	(b) (3)
		Unique Trained Pilot Description	(b) (3)
		DOD certified/trained	(b) (3)
		Other Certified Training	(b) (3)
		Trained on FAR Part 91 Requirement	(b) (3)
		Medical Certification Class (FAA or DOD equivalent)	(b) (3)
		Currency Status	(b) (3)
		Duty Time Restrictions	(b) (3)
		Single UAS Control	(b) (3)
		UAS Description	(b) (3)

		Total Numbers of UAS Controlled	(b) (3)
	Observers	Private (Written)	(b) (3)
		Private (Certified)	(b) (3)
		Instrument	(b) (3)
		Commercial	(b) (3)
		Air Transport	(b) (3)
		Unique Trained Pilot	(b) (3)
		Unique Trained Pilot Description	(b) (3)
		DOD certified/trained	(b) (3)
		Other Certified Training	(b) (3)
		Trained on FAR Part 91 Requirement	(b) (3)
		DOD Certified Training Attachment	(b) (3)
		Medical Certification Class (FAA or DOD equivalent)	(b) (3)
		Currency Status	(b) (3)
		Duty Time Restrictions	(b) (3)
		Single UAS Control	(b) (3)
		UAS Description	(b) (3)
		Total Numbers of UAS Controlled	(b) (3)
Special Circumstances		Special Circumstances	(b) (3)