

		ASN	2008-WSA-22-COA
		Case Status	(b) (7)(E)
		Date Created	03/21/2008
		Date Submitted	06/01/2008
Proponent Organization		Sponsor	Customs and Border Protection
		Attn Of	(b) (7)(C), (b) (6)
		Address	1355 Customs Way
		Address2	
		City	March ARB
		State	CA
		Postal Code	92518
		Telephone	(951) (b) (7)(C), (b) (6)
		Email	(b) (7)(C), (b) (6)@dhs.gov
Declaration		Declaration(a)	(b) (7)(E)
		Declaration(b)	(b) (7)(C), (b) (6)
Point of Contact		Representative	(b) (7)(C), (b) (6)
		Address	1355 Customs Way
		Address2	
		City	MARB
		State	CA
		Postal Code	92518
		Telephone	(951) (b) (7)(C), (b) (6)
		Email	(b) (7)(C), (b) (6)@dhs.gov
Operational Description	Requested Effective Period	Beginning	
		End	(b) (7)(E)
		Light out operation	(b) (7)(E)
		VFR operation	(b) (7)(E)
		IFR operation	(b) (7)(E)
		Day operation	(b) (7)(E)
		Night operation	(b) (7)(E)
		Program Executive Summary	This is a COA request in support of Customs and Border Protection's National Security Mission along the (b) (7)(E) (b) (7)(E) UAS operational area. Generally CBP operations will be conducted in a (b) (7)(E) airspace band (b) (7)(E) specifically defined in the (b) (7)(E) operational area.

		Operational Summary	(b) (7)(E) CBP UAS operations will be conducted in a (b) (7)(E) airspace band (b) (7)(E) specifically defined in the (b) (7)(E) UAS operational area as defined in attachments #1 and #2. Arrival and departure to/from (b) (7)(E) will transit through the active Restricted Area associated with the operating (b) (7)(E)
	Location	State	CA
		County	(b) (7)(E)
		Nearest Airport	(b) (7)(E)
		AOR	California - (b) (7)(E)
	Class Of Airspace	Class-A	(b) (7)(E)
		Class-B	(b) (7)(E)
		Class-C	(b) (7)(E)
		Class-D	(b) (7)(E)
		Class-E	(b) (7)(E)
		Class-G	(b) (7)(E)
System Description		Aircraft Type	(b) (7)(E) - Predator B
		Aircraft Type And Model Description Attachment	1
		Control Station Attachment	1
		Communications System Attachment	2
		List Certified Components (TSO) Attachment	1
		Other Attachment	(b) (7)(E)
Performance Characteristics		Climb Rate (feet/Minute)	(b) (7)(E)
		Descent Rate (feet/Minute)	(b) (7)(E)
		Turn Rate (Degrees/Second)	(b) (7)(E)
	Cruise Speed	Maximum	(b) (7)(E)
		Minimum	(b) (7)(E)
		Approach Speed	(b) (7)(E)

	Operating Attributes	Maximum MSL	(b) (7)(E)
		Minimum MSL	
		Gross Takeoff Wt	
		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) (7)(E)
		GPS	
		Moving map indicator (Command Station)	
		Tracking capability	
		TCA/MCAS	
		ELT	
	Transponder	Transponder	Yes
		On	(b) (7)(E)
		Off	
		Standby	
		Ident	
		Mode S	
		Mode C	
		Transponder Retuneable in Flight	
Lights		Landing	
		Position/Navigation	
		Anti-collision	

		Infrared (IR)
Spectrum Analysis Approval		Data Link
		Data Link Attachment
		Control Link(s)
		Control Link Attachment
		Operations utilizing Radio Control (R/C) frequencies as described in Title 47 CFR 95
		NTIA/FCC Authorization Attachment
ATC Communications	Transmitter VHF Band	VHF Band
		Quantity
		In-Flight Retunable
	Transmitter UHF Band	UHF Band
		Quantity
		In-Flight Retunable
	Transmitter HF band	HF Band
		Quantity
		In-Flight Retunable
	Receiver VHF Band	VHF Band
		Quantity
		In-Flight Retunable
	Receiver UHF Band	UHF Band
		Quantity
		In-Flight Retunable
	Receiver HF band	HF Band
		Quantity

(b) (7)(E)

		In-Flight Retunable	(b) (7)(E)
	Guard (Emergency) Frequencies VHF Band	VHF Band	
		Quantity	
	Guard (Emergency) Frequencies UHF Band	UHF Band	
		Quantity	
	Instantaneous Two-Way Voice	Direct to pilot	
		SATCOM	
		Relay via aircraft	
Electronic Surveillance/Detection Capability		EO/IR	Yes
		Terrain detection	(b) (7)(E)
		Weather/icing detection	
		Radar	
		Other Attachment	
		Electronic detection systems	
		Electronic detection systems attachment	
		Radar observation	
		NAS Operational Capability Attachment	
Visual Surveillance/Detection Capability	Maximum Distance from UA	Vertical	3000 Feet
		Horizontal	2.5 Nautical Miles
		Airborne based (Chase Aircraft)	(b) (7)(E)

		Ground based	(b) (7)(E)
		Visual observation from one or more ground sites	Yes
		Forward or side looking cameras	Yes
		Attachment for All	(b) (7)(E)
Aircraft Performance Recording		Flight data recording	(b) (7)(E)
		Control station recording	
		Voice Recording	
Flight Aircrew Qualifications	Pilots	Private (Written)	
		Private (Certified)	
		Instrument	
		Commercial	
		Air Transport	
		Unique Trained Pilot	
		Unique Trained Pilot Description	
		DOD certified/trained	
		Other Certified Training	Yes
		Trained on FAR Part 91 Requirement	Yes
		Medical Certification Class (FAA or DOD equivalent)	(b) (7)(E)
		Currency Status	A pilot that acts as a PIC shall have no less than three qualified proficiency events within the preceding 90 days.

			IAW DCMAL 8210.1, para 1.9.2., the basic crew duty period shall not exceed 12 consecutive hours. The GFR is authorized to grant extensions to the basic crew duty period of not more than two hours on a case-by-case basis. The CDO and the assigned PIC(s) must assess each crewmember's fitness for flight duty prior to launch/shift change. Additionally, any assigned crewmember may effect termination or non-acceptance of flight duty without prejudice based on his/her personal assessment.
		Duty Time Restrictions	UAS crewmembers may fly no more than 8 hours in any 24-hour period; unless consecutive hours of off-duty time (3.7.1A) have been met. Additionally, without GFR approval, crewmembers may fly no more than 4 consecutive hours without at least a 30-minute rest break. IAW ASI-0009 para 1.9.3.1, it is highly recommended that crewmembers swap out every 2 hours to minimize the effects of fatigue.
		Single UAS Control	(b) (7)(E)
		UAS Description	
		Total Numbers of UAS Controlled	
	Observers	Private (Written)	
		Private (Certified)	
		Instrument	
		Commercial	
		Air Transport	
		Unique Trained Pilot	
		Unique Trained Pilot Description	Observers receive training on the unique characteristics of the Predator B aircraft as well as FAR Part 91 training.
		DOD certified/trained	(b) (7)(E)
		Other Certified Training	Yes
		Trained on FAR Part 91 Requirement	Yes
		DOD Certified Training Attachment	(b) (7)(E)
		Medical Certification Class (FAA or DOD equivalent)	
		Currency Status	An individual that acts as a visual observer shall have at least one qualified proficiency event within the preceding 90 days, or refresher training will be required.
		Duty Time Restrictions	The visual observer is part of the aircrew and as such meets the same duty restrictions as a PIC.
		Single UAS Control	(b) (7)(E)
		UAS Description	

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

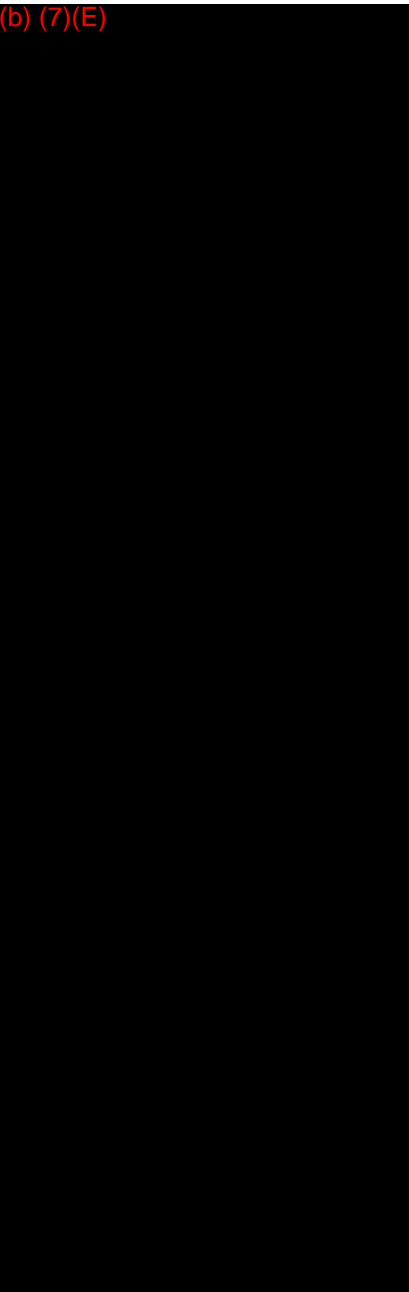
WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

(b) (7)(E)



(b) (7)(E)

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

ARRIVAL

