

		ASN	2008-AHQ-1-COA
		Case Status	(b) (7)(E)
		Date Created	09/12/2007
		Date Submitted	01/02/2008
Proponent Organization		Sponsor	Customs and Border Protection
		Attn Of	(b) (7)(C), (b) (6)
		Address	1300 Pennsylvania Ave. NW
		Address2	Room 6.4A
		City	Washington
		State	DC
		Postal Code	20229
		Telephone	(202) (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	1300 Pennsylvania Ave. NW
		Address2	Room 6.4A
		City	Washington
		State	DC
		Postal Code	20229
		Telephone	(202) (b) (7)(C), (b) (6)
		Email	(b) (7)(C), (b) (6)@dhs.gov
Operational Description	Requested Effective Period	Beginning	
		End	
		Light out operation	(b) (7)(E)
		VFR operation	
		IFR operation	
		Day operation	
		Night operation	

		Program Executive Summary	This is a transit test COA from Gray Butte, CA to W532 and return. This COA is required for maritime radar systems integration. This COA is required prior to an operational mission in the Gulf of Mexico. This profile will not be flown more than once per quarter.
		Operational Summary	Elta maritime radar testing in W532, west of Vandenberg AFB is required prior to CBP conducting maritime operations in the Gulf of Mexico. This integration testing is similar to Trident Warrior 006. The operation will launch/recover from Grey Butte airport (04CA) via chase aircraft. The route of flight will enter R-2515, climbing to FL 240 enroute to W532. Recovery altitude will be FL 250.
	Location	State	CA
		County	(b) (7)(E)
		Nearest Airport	
		AOR	California - (b) (7)(E)
	Class Of Airspace	Class-A	(b) (7)(E)
		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	(b) (7)(E)
Performance Characteristics		Climb Rate (feet/Minute)	
		Descent Rate (feet/Minute)	

		Turn Rate (Degrees/Second)	(b) (7)(E)
	Cruise Speed	Maximum	(b) (7)(E)
		Minimum	
		Approach Speed	
	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	(b) (7)(E)
		Moving map indicator (Command Station)	
		Tracking capability	
		TCA/MCAS	
		ELT	
	Transponder	Transponder	Yes
		On	(b) (7)(E)
		Off	(b) (7)(E)
		Standby	
		Ident	(b) (7)(E)

(b) (7)(E)

		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
		In-Flight Retunable
	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
		Terrain detection
		Weather/icing detection
		Radar
		Other Attachment
		Electronic detection systems

(b) (7)(E)

Yes
(b) (7)(E)

		Electronic detection systems attachment	(b) (7)(E)
		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	Yes
		Visual observation from one or more ground sites	Yes
		Forward or side looking cameras	(b) (7)(E)
		Attachment for All	
Aircraft Performance Recording		Flight data recording	
		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	(b) (7)(E)
		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.
		Duty Time Restrictions	IAW DCMAI 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. 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

(b) (7)(E)

WAYPOINT
SUA

WAYPOINT

WAYPOINT

WAYPOINT

WAYPOINT

SUA
ARRIV
AL

Total Map
Attachment