

### OFFICE OF THE UNDER SECRETARY OF DEFENSE

#### 3000 DEFENSE PENTAGON WASHINGTON DC 20301-3000

#### EXECUTIVE SUMMARY

MEMORANDUM FOR UNDER SECRETARY OF DEFENSE (ACQUISITION,

TECHNOLOGY AND LOGISTICS USD(A&T) has seen

PRINCIPAL DEPUTY UNDER SECRETARY OF DEFENSE (ACQUISITION, TECHNOLOGY AND LOGISTICS)

THROUGH:

DIRECTOR, DEFENSE RESEARCH AND ENGINEERING 13/20/06

FROM:

DIRECTOR, STRATEGIC AND TACTICAL SYSTEMS SPELL IN MAN

Prepared by (b)(6)

Approved by: (b)(6)

SUBJECT:

Compliance Certification of Predator Tests and the DARPA/USAF X-45A

PURPOSE:

Obtain USD(AT&L) Approval of Certification

#### DISCUSSION:

Two DoD unmanned combat air vehicle (UCAV) programs require compliance certification (Tab A). In the first, DARPA and USAF are working on an Advanced Technology Demonstration UCAV (known as the X-45A) to assess UCAV flight, command and control, and weapons delivery. In a second, unrelated program, the Air Force plans to test a Predator UAV with weapons.

The INF, START, and CFE Treaty Compliance Review Groups (CRGs) have reviewed the programs, have concluded that they are consistent with U.S. treaty obligations, and recommend compliance certification for these programs (Tab A). Compliance rationale for this judgement is also attached (Tab B). Changes to current plans that could raise compliance issues, such as plans to locate UCAVs in Europe, would require further compliance review.

The compliance rationale is consistent with the results of an interagency review of legal and policy issues raised by such programs.

(b)(5)

COORDINATION: OUSD(P), OGC, Joint Staff, USAF, DARPA (Tab E)

RECOMMENDATION: Sign certification at Tab A.

UNCLASSIFIED when attachment is removed.



# 14501-2000

### SECRET



#### OFFICE OF THE UNDER SECRETARY OF DEFENSE

#### 3000 DEFENSE PENTAGON WASHINGTON DC 20301-3000

2 1 DEC 2000

# MEMORANDUM FOR SECRETARY OF THE AIR FORCE DIRECTOR, DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

SUBJECT: Compliance Certification of Predator Tests and the DARPA/USAF X-45A

The Intermediate Nuclear Forces (INF), Strategic Arms Reduction Treaty (START), and Conventional Forces in Europe (CFE) Compliance Review Groups (CRGs) have reviewed the current plans for the X-45A Unmanned Combat Air Vehicle (UCAV) Advanced Technology Demonstration (ATD) effort being undertaken by DARPA and the U.S. Air Force and found the ATD, as currently defined, in compliance with those treaties. In addition, the CRGs have reviewed the current Air Force plans to conduct weapons delivery tests from the Predator unmanned air vehicle and found the planned activity in compliance with those treaties. The compliance rationales for these conclusions are attached. Consequently, I am certifying the compliance of the X-45A UCAV ATD and the Predator weapons test plans as briefed to the INF, START, and CFE CRGs.

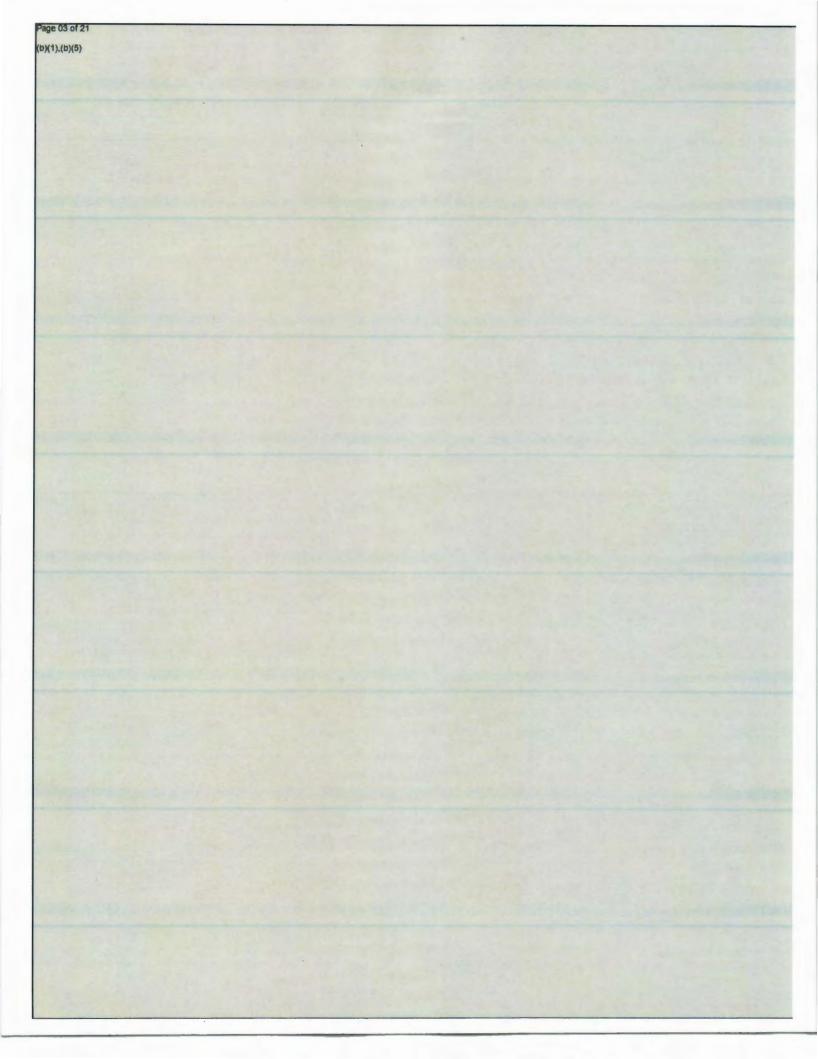
Any changes to these programs that could raise compliance concerns under the INF, START, or CFE treaties should be brought to the attention of the appropriate CRG.

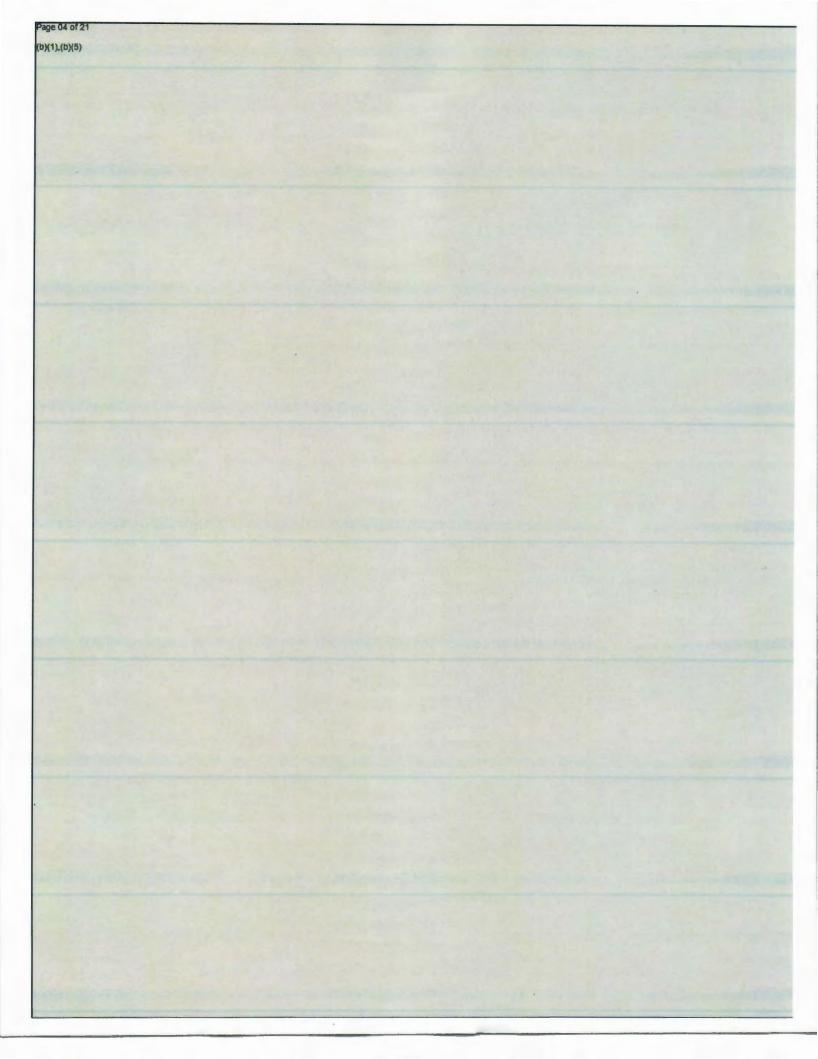
J. S. Gansler

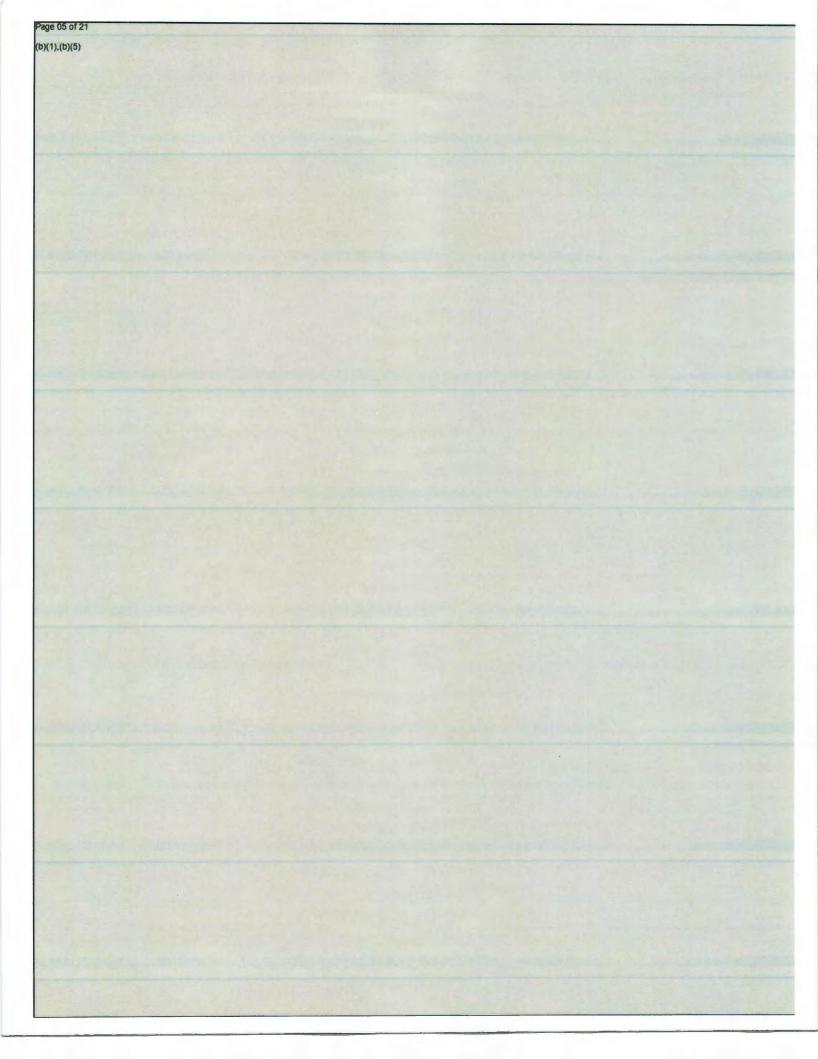
Attachment: As stated

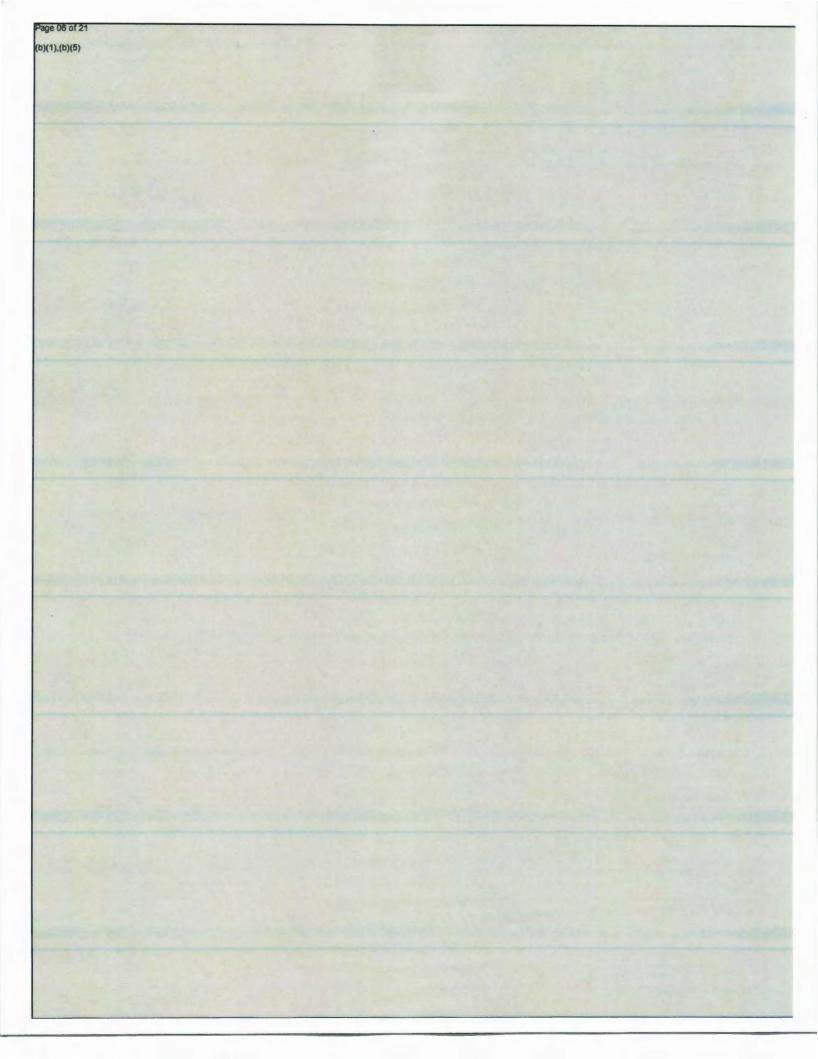
UNCLASSIFIED when attachment is removed.

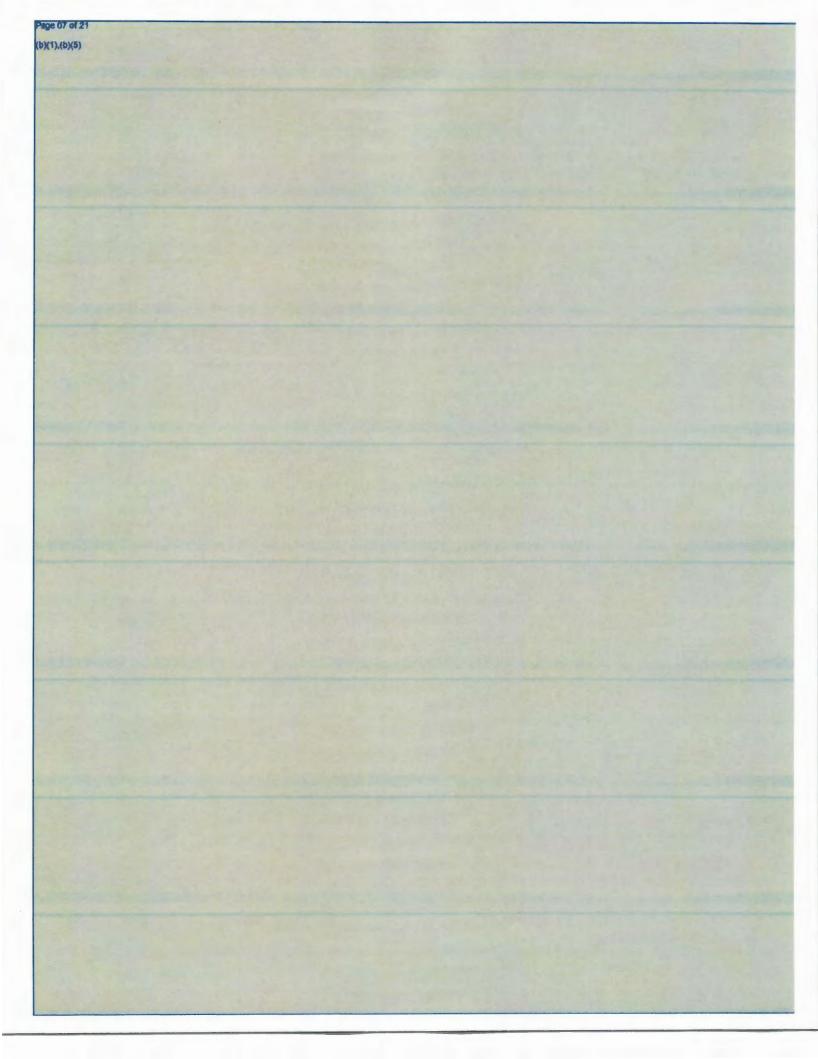


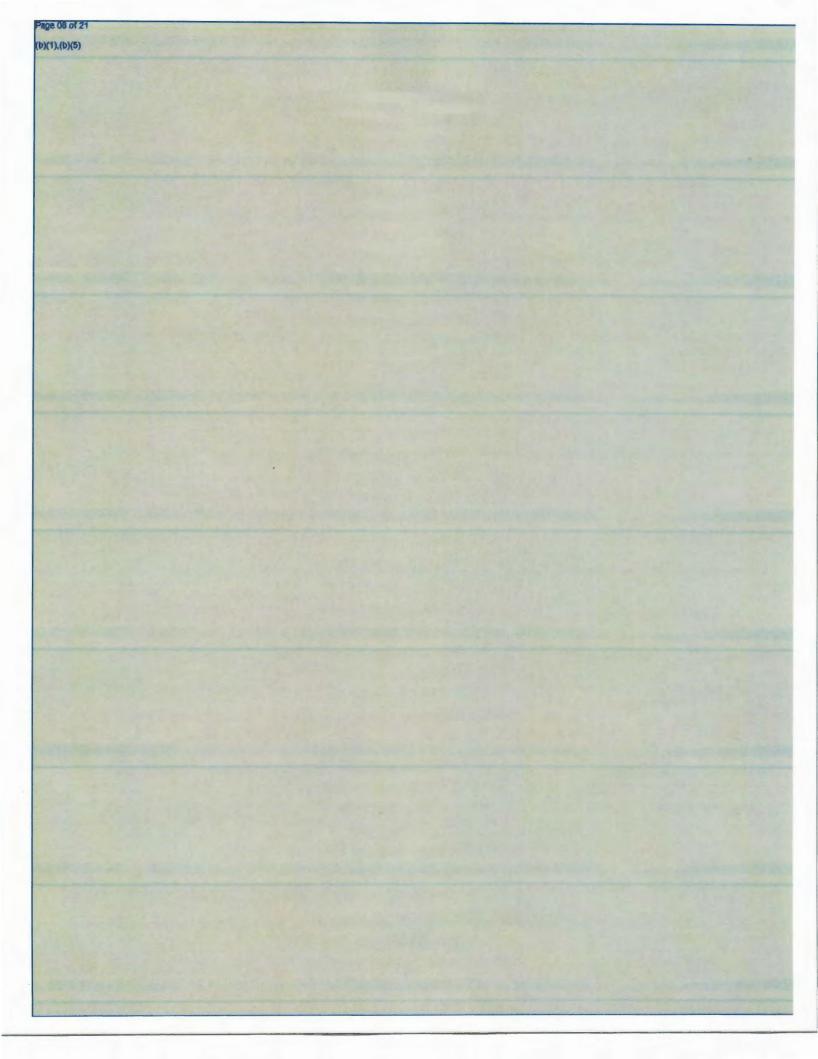


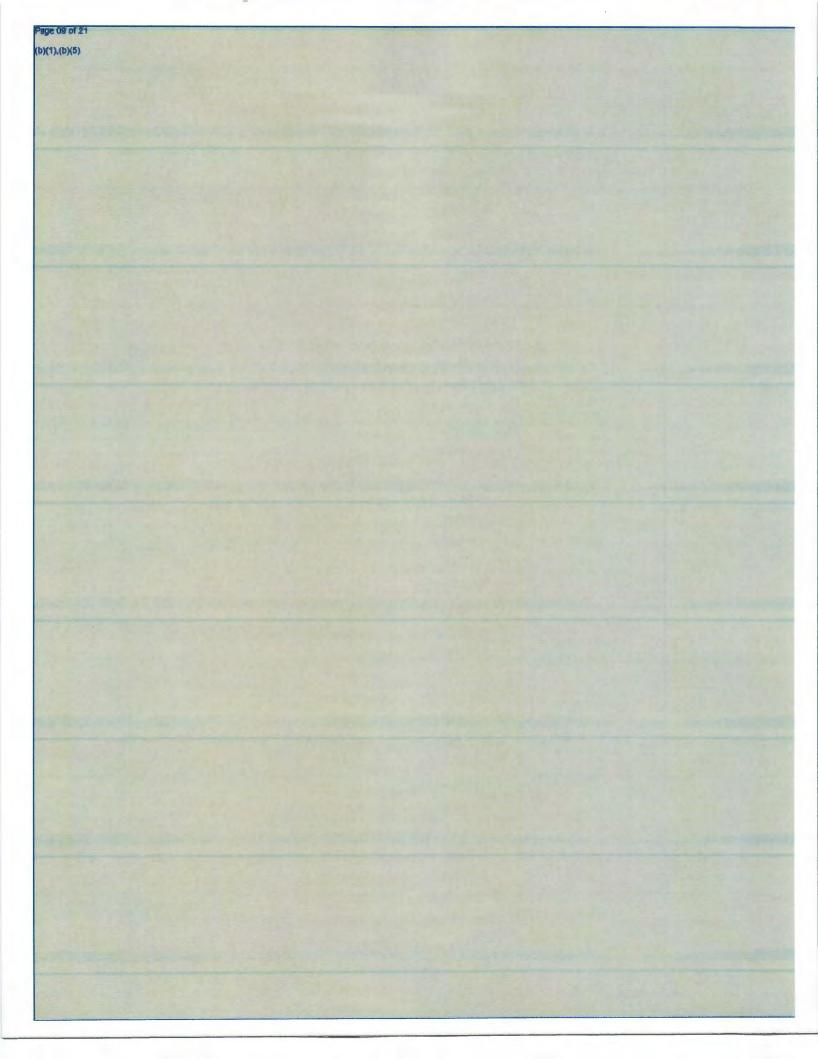


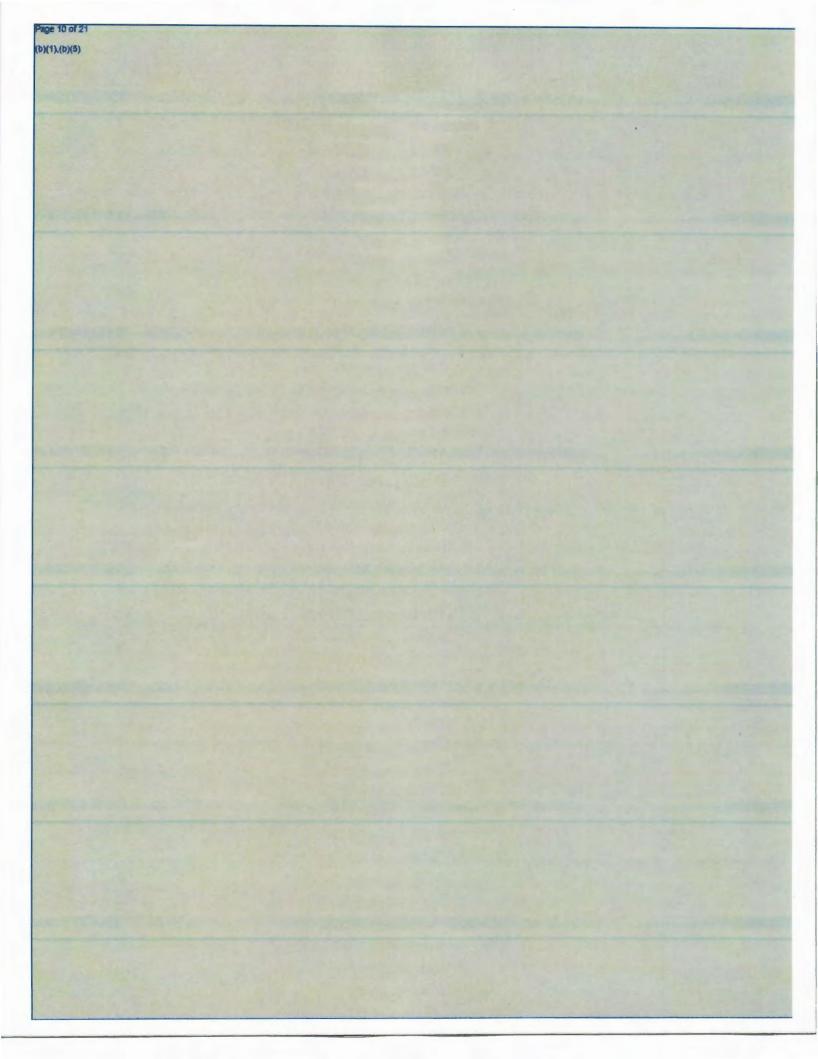


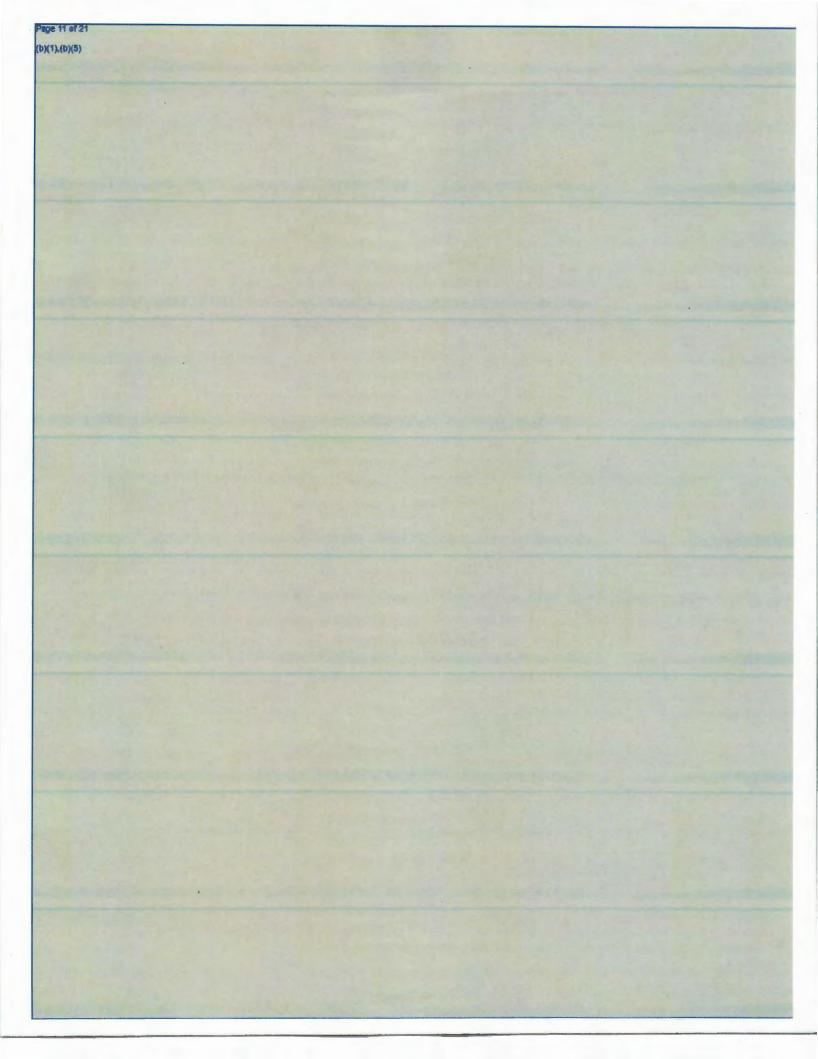


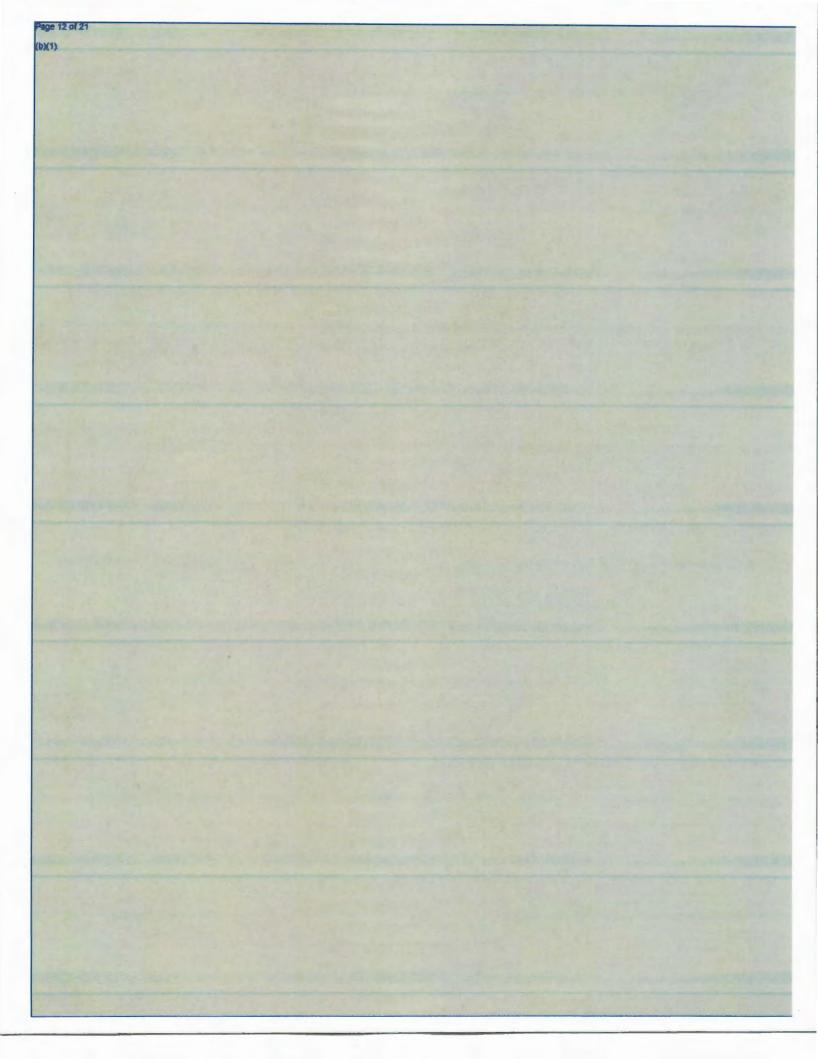


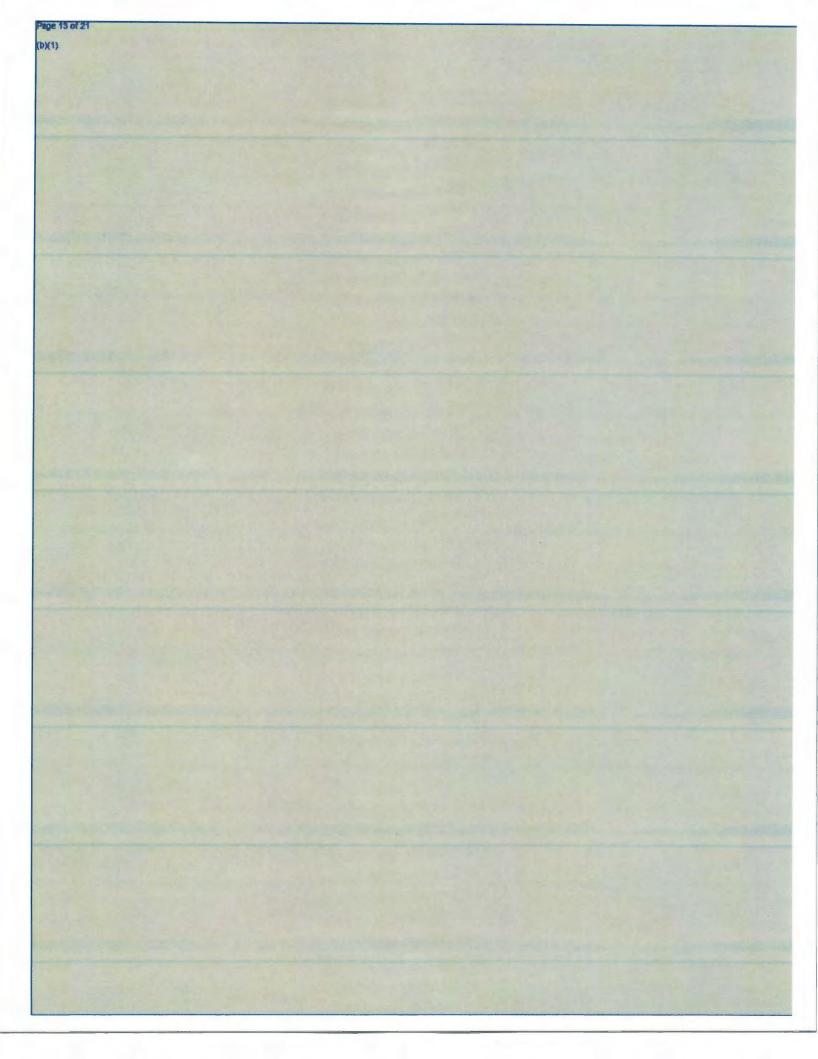


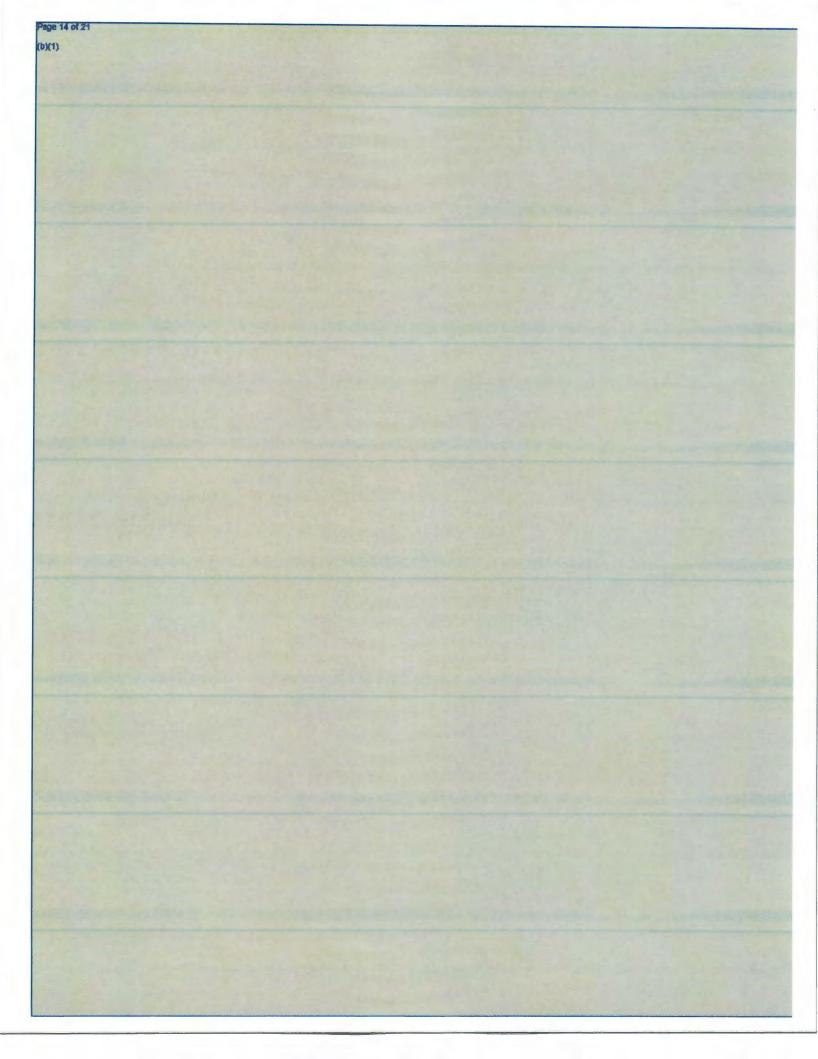


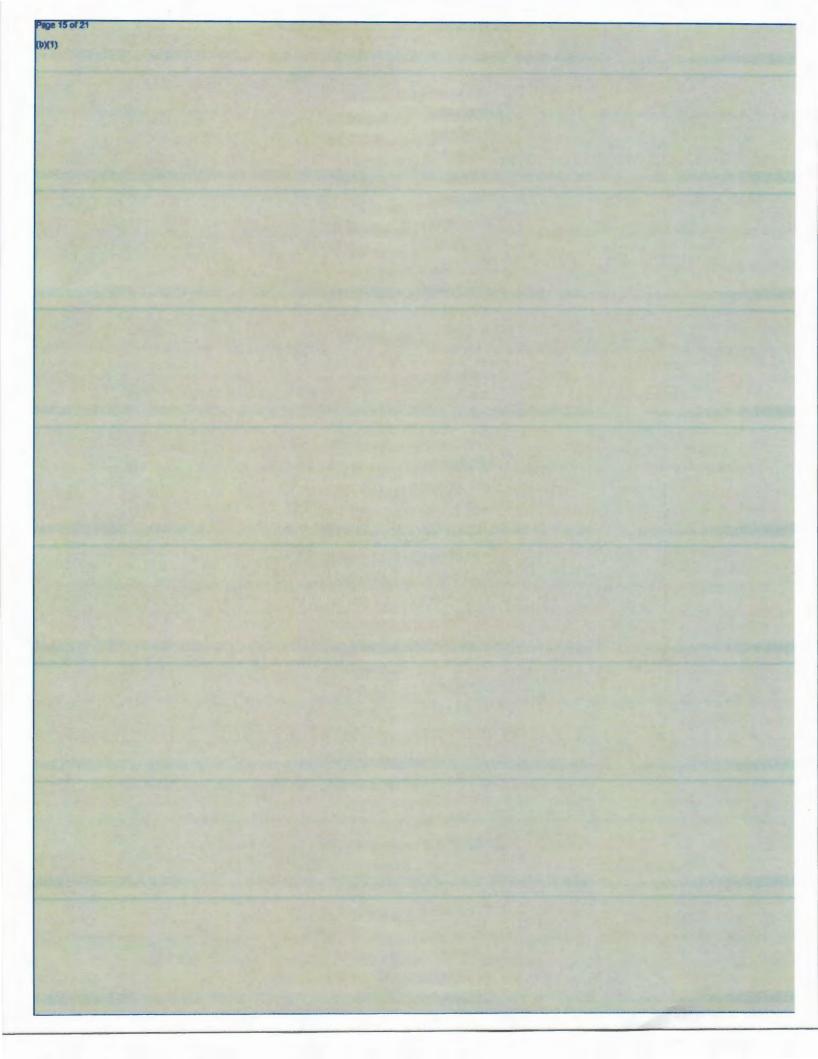


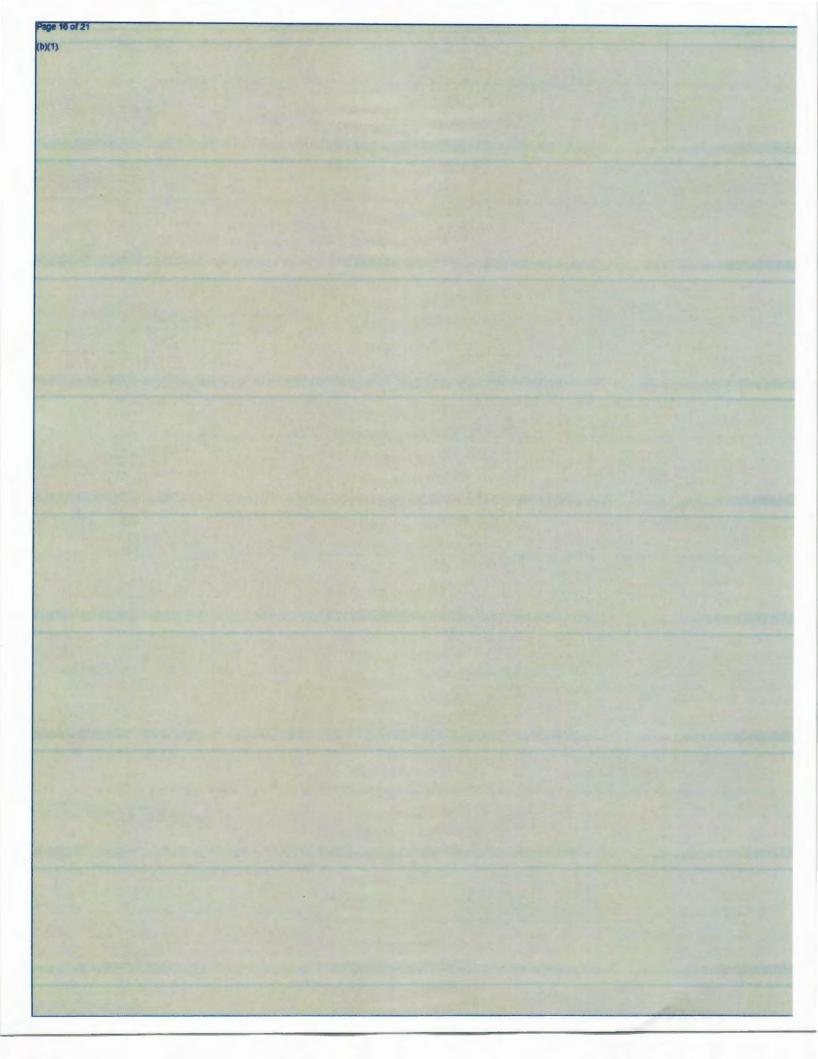












SUBJECT: Compliance Certification of Predator Tests and the DARPA/USAF X-45A

Coordination for treaty compliance
OUSD(P) Joch 18 Dec 00 Susan Koch Post Threat Reductor Policy
OGC
Joint Staff
Coordination for program description
USAF
DARPA

SUBJECT: Compliance Certification of Predator Tests and the DARPA/USAF X-45A

OUSD(P)

OGC Rescal facilitated 12/14/00

Richard Hallas OGC. I

Joint Staff

Coordination for program description

USAF

DARPA

Coordination for treaty compliance

SUBJECT: Compliance Certification of Predator Tests and the DARPA/USAF X-45A

Coordination for treaty compliance	
OUSD(P)	
OGC	,
Joint Staff Safey Vaday Wan	1
Coordination for program description	
USAF	
DARRA	

SUBJECT: Compliance Certification of Predator Tests and the DARPA/USAF X-45A

Coordination for treaty compliance				
OUSD(P)				
OGC				
Joint Staff				
Coordination for program description		captil		
USAF Chala R MyCar AF/XONI	MAT, USAF HYUSAF/YOIRC	697.4083		
DARPA				

USAF\_

3	
UCAV Compliance Certification Coon	dination Sheet
CRG Members	
OUSD(P)	
DoD General Counsel	_
Joint Staff	
Attestation of Factual Descriptions	
DARPA Vac Whelan, Director	TTO