Line Item

Amount

Subject: Nuclear Surety	DoD Serial Number:					
Appropriation Title: Resear	FY 09-04 PA					
09/10, Research, Develo	Includes Transfer?					
Research, Development,	search, Development, Test, and Evaluation, Air Force, 08/09					
Component Serial Number:	Component Serial Number: (Amounts in Thousands of Dollars)					
	Program Base Reflecting	Program Previously	Reprogramming Action	on Revised Program		

Amount

Quantity

Quantity

Amount

Quantity

Amount

g

Quantity

This reprogramming action is submitted for prior approval because they exceed established thresholds and initiates <u>new starts</u>. These actions reprogram funds in support of higher priority items, based on unforeseen military requirements, than those for which funds were originally appropriated; and is determined to be necessary in the national interest. They meet all administrative and legal requirements, and none of the items has been denied previously by the Congress.

<u>Part I</u> of this reprogramming action realigns \$23.0 million within the Research, Development, Test, and Evaluation, Air Force, 09/10, appropriation and \$55.0 million within the Research, Development, Test, and Evaluation, Defense-Wide, 09/10, appropriation. I certify that this reprogramming of funds is necessary as an emergency requirement.

<u>Part II</u> of this reprogramming action realigns \$27.521 million within Research, Development, Test, and Evaluation, Air Force, 08/09.

PART I

FY 2009 REPROGRAMMING INCREASES:		<u>+78,042</u>	+58,042
Research, Development, Test, and Evaluation, Air Force, Budget Activity 7: Operational Systems Development	, 09/10	+23,042	
PE 0708012F Logistics Support Activities			
-	-	+23,042	23,042

Explanation: Funds are required to provide a "Fusion Center" combining data from 13 legacy inventory systems to enable item in-transit tracking by serial number. Enhances existing system with software integration patches and hardware components. This is a **new start**.

Approved (Signature and Date

DEC

5 2008

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Subject: Nuclear Surety]	DoD Serial Number:			
Appropriation Title: Resear	earch, Development, Test, and Evaluation, Air Force,							FY 09-04 PA		
09/10, Research, Develo	pment, To	est, and Ev	valuation,	Defense-	Wide 09/	10,	Includes Transfer?			
Research, Development,	Test, and Evaluation, Air Force, 08/09						No			
Component Serial Number:	(Amounts in Thousands of Dollars)									
		se Reflecting onal Action		Previously by Sec Def	Reprogram	ming Action	tion Revised Program			
Line Item	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount		
a	b	c	d	e	f	g	h	i		
Research, Develonmen	t. Test. a	nd Evalue	ation De	fense-Wie	de 09/10	+55.00	0 +34	5 000		

Research, Development, Test, and Evaluation, Defense-Wide, 09/10 +55,000

Budget Activity 2: Applied Research +35,000

Budget Activity 2. Applied Research

PE 0602718BR Weapons of Mass Destruction Defeat Technologies

 214,278
 214,278
 +25,000
 239,278

 214,278
 214,278
 +17,000
 231,278

Explanation: Funds are required to accelerate ongoing Defense Threat Reduction Agency (DTRA) research in active interrogation technologies, to include modeling and simulation, small-scale experimentation, and laboratory studies. Specific research elements include investigating the use and generation of various beams, which are used to "light up" nuclear materials so they may be detected easier with passive detectors (\$20.0 million \$14.0 million).

Funds are required to accelerate ongoing DTRA efforts to identify and develop the technologies necessary to provide an advanced nuclear weapon neutralization capability. The specific activities that would be funded include the performance of initial proof-of-principle experiments and modeling and simulation to evaluate potential neutralization technologies (\$3.0 million).

Budget Activity 3: Advanced Technology Development

PE 0603160BR Counterproliferation Initiatives – Proliferation Prevention and Defeat

219,645	219,645	+30,000	249,645
219,645	219,645	+18,000	237,645

Explanation: Funds are required to accelerate ongoing DTRA efforts for advanced nuclear and radiological detection systems. There are four main focus areas. The first is system development and demonstration of a long-range standoff detection system based on high energy x-rays. The second is development of a family of advanced passive sensors for locating and identifying fissile material and radiological hazards for interdiction and elimination operations. The third is laboratory and field studies of advanced materials and electronics for radiation sensing. The last is development of a robust technical performance and operational test and evaluation infrastructure to support evaluation and field assessment of active and passive detection systems. Research priorities in these focus areas include large-area sensors; small, networked sensors for personnel, vehicles, and unmanned placement; alternative signature research; field-deployable high resolution radiation detection systems; man and vehicle portable directional and imaging systems; battle damage/site assessment sensors; rapid reconnaissance systems for contaminated areas; improved detectors for contamination control; and radiation dose/exposure monitoring of forces.

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REPROGRAMMING ACTION – PRIOR APPROVAL

Page 3 of 5

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Subject: Nuclear Surety	1 5 1						Do	D Serial Nu FY 09-04	
Appropriation Title: Resear								Includes T	
09/10, Research, Develo	_	and the second s	and the second of the second o			10,		No	
Research, Development, Component Serial Number:	lest, and	Evaluation	and the second s	rce, U8/U9 Imounts in Tho		arc)			
component Serial Number:	Program Bas	se Reflecting		Previously	Reprogram		on	Revised	Program
	Congressio	nal Action	Approved	by Sec Def					
Line Item	Quantity b	Amount	Quantity	Amount	Quantity f	Amou	nt	Quantity	Amount
				e	1	70 O	42		
FY 2009 REPROGRA	MIMING	DECKE	ASES:			-78,0	42	<u>-58,0</u>	<u> </u>
Research, Developmen	it, Test, ai	nd Evalu	ation, Air	Force, 0	9/10	-23,0	42		
Budget Activity 5: Syst									
PE 0207701F Full Com	bat Missic	n Trainin	ıg						
		135,152		135,152		-9,3	35		125,817
Budget Activity 7: Ope	rational S	veteme De	avelonme	nt					
PE 0401119F C-5 Airlin		F T	evelopine	<u>ut</u>					
1 D 0 1011191 C 3 1 mm	ri bquuuro	125,063		125,063		-9,8	07		115,256
DE 0202015E E 4D No.	:	***************************************	matiana Ca			,,,			110,200
PE 0302015F E-4B Nat	ionai Airb	4,069	rations Ce	4,069		-3,9	00		169
		4,009		4,009		-3,9	00		105
Explanation: Funds are	available	from thes	se progran	ns to supp	ort the hig	gher pr	iori	ty need of	f
nuclear surety due to un	derexecut	ion.				•			
Danasak Danalanan	4 T4	. d Tl	-4' D-	C XX/!	J. 00/10	<i>==</i> 0		25	000
Research, Developmen Budget Activity 4: Adv					ie, 09/10	<u>-55,0</u>	00	<u>-35,</u>	000
PE 0603882C Ballistic				train to provide the contract of the contract	oment				
1 E 0003002C Bambuc		,507,481		1,507,481	ginent	-20,0	00	1	,487,481
DE 0.002004C D-11:-4:1				1,007,101		20,0	00	•	, 107, 101
PE 0603884C Ballistic	Wissiie De	erense Ser	isors						
		767,593		767,593		-7,5	00		760,093
PE 0603886C Ballistic	Missile De	efense Sys	stem Inter	ceptor					
		385,493		385,493		-15,0	nn-		370,493
		,		,		15,0	00		570,155
			IAC Deni	<u>iea</u>					
PE 060389C Ballistic M	lissile Def	ense Aeg	is						
	1	,113,655		1,113,655		-7,5	00	1	,106,155
PE 0603894C Multiple	Kill Vehic	ele							
vvvv vv i v i i i i i i i i i i i i		283,481		283,481		-5,0	00		278,481
			IAC Deni			-,-	uaro (1756)		-,
Explanation: Funds are	available	_			ort the hig	gher pr	iori	ty need of	f
nuclear surety.				11					
620									

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Subject: Nuclear Surety		DoD Serial Number:
Appropriation Title: Research	h, Development, Test, and Evaluation, Air Force,	FY 09-04 PA
	ment, Test, and Evaluation, Defense-Wide 09/10,	Includes Transfer?
Research, Development,	Test, and Evaluation, Air Force, 08/09	No
Component Serial Number	(Amounts in Thousands of Dollars)	_

Component Serial Number:			(A	mounts in The	ousands of Doll	ars)					
		se Reflecting onal Action		Previously by Sec Def	Reprogram	ming Action	Revised	Program			
Line Item	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount			
a	b	c	d	e	f	g	h	i			

PART II

FY 2008 REPROGRAMMING INCREASE:

+27,521

Research, Development, Test, and Evaluation, Air Force, 08/09

+27,521

Budget Activity 5: Systems Development & Demonstration

PE 0604851F Intercontinental Ballistic Missile

+2,000

2,000

Explanation: Funds are required to support system requirements analysis on the Reentry Field Support Equipment, the replacement for the Reentry System Test Set. Funds requirements definition and configuration data for each piece of equipment, and explores option for this acquisition. This is a **new start**.

PE 0604222F Nuclear Weapons Support

20,319

19,739

+8,800

28,539

Explanation: Funds are required to support feasibility and initial design study for a joint Air Force-Navy program for a Joint warhead fuze. This is a **new start** for the Air Force.

Budget Activity 7: Operational Systems Development

PE 0708012F Logistics Support Activities

+16,721

16,721

Explanation: Funds are required to provide a "Fusion Center" combining data from 13 legacy inventory systems to enable item in-transit tracking by serial number. Enhances existing system with software integration patches and hardware components. This is a **new start**.

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Subject: Nuclear Surety							Do	D Serial Nu	mber:
Appropriation Title: Resear	ch, Devel	opment, T	est, and E	Evaluation	, Air Forc	e,		FY 09-04	
09/10, Research, Develo	pment, To	est, and E	valuation,	Defense-	Wide 09/1	10,		Includes Ti	
Research, Development,	Test, and	l Evaluation					No		
Component Serial Number:				mounts in Tho					
		se Reflecting onal Action		Previously by Sec Def	Reprogram	ming Acti	ion Revised Program		
Line Item	Quantity	Amount	Quantity	Amount	Quantity	Amount		Quantity	Amount
a	b	c	d	e	f	g		h	i
FY 2008 REPROGRA	MMING	DECRE	ASE:			-27,5	21		
	A. 10-10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		====						
Research, Developmen	it, Test, a	nd Evalu	ation, Air	Force, 0	8/09	-27,5	21		
Budget Activity 5: Syst	ems Deve	elopment a	& Demons	stration) -			
PE 0604233F Specialize	ed Underg	graduate F	light Train	ning					
		15,022		14,033		-2,1	00		11,933
Explanation: Funds are	available	due to a d	delay in th	e contract	award fo	r the T	-38	Improved	i
Breaking System Projec	t.								
Budget Activity 7: Ope	rational S	ystems De	evelopmen	<u>nt</u>					
PE 0207417F Airborne	Warning	& Control	System						
		152,721		146,341		-3	21		146,020
PE 0302015F E-4B Nat	ional Airt	orne Ope	rations Ce	enter					
		19,529		18,576		-2,8	800		15,776
PE 0401132F C-130J P	rogram	74,223		62,106		-18,8	00		43,306
PE 0401119F C-5 Airlin	ft Squadro	ons (IF)							
	•	203,585		173,960		-3,5	00		170,460
						23			528

Explanation: Funds are available for higher priority needs due to underexecution.