

UNCLASSIFIED

PE NUMBER: 0604015F
 PE TITLE: Next Generation Long Range Strike (NGLRS)

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2008
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604015F Next Generation Long Range Strike (NGLRS)
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Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	37.476	0.000	0.000	0.000	80.328	100.163	150.027	Continuing	TBD
3308 Next Generation Bomber	37.476	0.000	0.000	0.000	80.328	100.163	150.027	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This program develops and demonstrates a next generation Long Range Strike capability in support of Air Force Global Strike and Global Persistent Attack Concept of Operations. Program efforts support the Air Force three-phase long range strike strategy. This program will provide capability improvements in the areas of strike responsiveness, persistence, survivability, lethality, connectivity, and affordability. A wide variety of concept options are being considered for a Long Range Strike air platform. Funding supports Capability Needs Assessment, Analysis of Alternatives, operational and system architecture development, maturation and risk reduction of advanced Long Range Strike related technologies, and integrated system concept development and demonstration. This program is categorized as Budget Activity 4, Advanced Component Development and Prototypes, since advanced technologies will be explored and integrated for demonstration in a realistic operating environment applicable to Long Range Strike.

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	25.491	0.000	0.000
(U) Current PBR/President's Budget	37.476	0.000	0.000
(U) Total Adjustments	11.985		
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings	12.701		
SBIR/STTR Transfer	-0.716		

(U) Significant Program Changes:

FY07: \$8.701M BTR for Automated Aerial Refueling (AAR) Phase I Demonstration completion; \$4.0M reprogramming from FY07 Omnibus for AAR Phase II initiation.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2008

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)						PE NUMBER AND TITLE 0604015F Next Generation Long Range Strike (NGLRS)		PROJECT NUMBER AND TITLE 3308 Next Generation Bomber	
Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
3308 Next Generation Bomber	37.476	0.000	0.000	0.000	80.328	100.163	150.027	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
 This program develops and demonstrates a next generation Long Range Strike capability in support of Air Force Global Strike and Global Persistent Attack Concept of Operations. Program efforts support the Air Force three-phase long range strike strategy. This program will provide capability improvements in the areas of strike responsiveness, persistence, survivability, lethality, connectivity, and affordability. A wide variety of concept options are being considered for a Long Range Strike air platform. Funding supports Capability Needs Assessment, Analysis of Alternatives, operational and system architecture development, maturation and risk reduction of advanced Long Range Strike related technologies, and integrated system concept development and demonstration. This program is categorized as Budget Activity 4, Advanced Component Development and Prototypes, since advanced technologies will be explored and integrated for demonstration in a realistic operating environment applicable to Long Range Strike.

(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) MAJOR THRUST: Develop and refine Long Range Strike requirements based on the Air Force Global Strike and Global Persistent Attack Concept of Operations.	37.476		
(U) In FY 2007: Continue refinement of system concepts and designs and operational/system architectures. Continue Analysis of Alternatives to identify preferred long range strike option. Continue preparation of the Technology Development Strategy. Continue projects to mature key technologies including mitigating risk of key concept attributes of the possible options. Develop a Modeling and Simulation Support Plan to ensure robust analytic support across the concept life cycle. Continue development of radio frequency/electro-optical/infrared sensor technology for radio and accurate target detection and identification capability. Continue development of high temperature and variable cycle engine core components, sensor/aperture integration technology, and advanced weapon integration technology. Complete Automated Aerial Refueling (AAR) Phase I demonstration and initiate AAR Phase II development, including Precision GPS capability.			
(U) In FY 2008: N/A			
(U) In FY 2009: N/A			
(U) Total Cost	37.476	0.000	0.000

(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) N/A									

Exhibit R-2a, RDT&E Project Justification

DATE

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BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0604015F Next Generation Long Range Strike (NGLRS)

PROJECT NUMBER AND TITLE

3308 Next Generation Bomber

(U) D. Acquisition Strategy

To be determined.

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2008

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604015F Next Generation Long Range Strike (NGLRS)	PROJECT NUMBER AND TITLE 3308 Next Generation Bomber
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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2007 Cost</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Long Range Strike</u>												
Concept Exploration and Refinement	TBD	TBD	97.141	37.476						Continuing	TBD	
Subtotal Long Range Strike			97.141	37.476		0.000		0.000		Continuing	TBD	0.000
Remarks:												
(U) Total Cost			97.141	37.476		0.000		0.000		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

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04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

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PROJECT NUMBER AND TITLE

3308 Next Generation Bomber

NGB Schedule	FY06				FY07				FY08				FY09				FY10				FY11				FY12				FY13			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NGLRS Concept Refinement	█																															
NGLRS AoA Completion							▲																									
Automated Aerial Refueling Phase I Demonstration								▲																								
Automated Aerial Refueling Phase II Initiation									▲																							

Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule Profile

FY 2007

FY 2008

FY 2009

(U) AoA Completion

3Q

(U) AAR Phase I Demonstration

4Q

(U) AAR Phase II Initiation

1Q