

UNCLASSIFIED

PE NUMBER: 0207247F
PE TITLE: Air Force TENCAP

Exhibit R-2, RDT&E Budget Item Justification									DATE May 2009																																													
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207247F Air Force TENCAP																																																	
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total																																												
Total Program Element (PE) Cost	11.452	11.547	11.643	0.000	0.000	0.000	0.000	0.000	Continuing	TBD																																												
0001 Air Force TENCAP	11.452	11.547	11.643	0.000	0.000	0.000	0.000	0.000	Continuing	TBD																																												
(U) A. Mission Description and Budget Item Justification Air Force TENCAP is executed by the Space Innovation and Development Center (SIDC) at Schriever Air Force Base, Colorado. Established by Congress in 1977 as one of a family of service Tactical Exploitation of National Capabilities (TENCAP) programs, AF TENCAP increases warfighter awareness of space and National capabilities, and promotes cross-domain integration of these systems into military and intelligence, surveillance and reconnaissance (ISR) operations through: 1) Exploiting existing Space, National and global ISR, and Non-Traditional ISR (NTISR) for operational and tactical applications by rapidly prototyping projects and demonstrating resulting capabilities. Capabilities will be transitioned to warfighters and/or National Intelligence Agencies for operational use, and/or appropriate acquisition organizations for further development. 2) Influencing the design and operation of future Space, National and global ISR, and NTISR systems for tactical users. 3) Providing education and training to warfighters and National Intelligence agencies. The AF TENCAP Director administers and executes the AF TENCAP program. The Director coordinates and funds AF TENCAP efforts to provide robust capabilities that enhance support of Joint operations at the tactical level. The AF TENCAP Director is also a member of the Joint TENCAP Senior Officer Review Group (SORG). This program is in Budget Activity 7, Operational System Development, because its efforts develop capabilities to leverage operational systems in order to increase the effectiveness of tactical warfighting activities. (U) B. Program Change Summary (\$ in Millions) <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: right;"><u>FY 2008</u></th> <th style="text-align: right;"><u>FY 2009</u></th> <th style="text-align: right;"><u>FY 2010</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: right;">11.452</td> <td style="text-align: right;">11.578</td> <td style="text-align: right;">11.842</td> </tr> <tr> <td>(U) Current PBR/President's Budget</td> <td style="text-align: right;">11.452</td> <td style="text-align: right;">11.547</td> <td style="text-align: right;">11.643</td> </tr> <tr> <td>(U) Total Adjustments</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">-0.031</td> <td></td> </tr> <tr> <td>(U) Congressional Program Reductions</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional Rescissions</td> <td></td> <td style="text-align: right;">-0.031</td> <td></td> </tr> <tr> <td> Congressional Increases</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> </tr> <tr> <td> SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) <u>Significant Program Changes:</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td> None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	(U) Previous President's Budget	11.452	11.578	11.842	(U) Current PBR/President's Budget	11.452	11.547	11.643	(U) Total Adjustments	0.000	-0.031		(U) Congressional Program Reductions				Congressional Rescissions		-0.031		Congressional Increases				Reprogrammings				SBIR/STTR Transfer				(U) <u>Significant Program Changes:</u>				None			
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Exhibit R-2 (PE 0207247F)

Exhibit R-2a, RDT&E Project Justification

DATE

May 2009

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207247F Air Force TENCAP			PROJECT NUMBER AND TITLE 0001 Air Force TENCAP		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
0001 Air Force TENCAP	11.452	11.547	11.643	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

Air Force TENCAP is executed by the Space Innovation and Development Center (SIDC) at Schriever Air Force Base, Colorado. Established by Congress in 1977 as one of a family of service Tactical Exploitation of National Capabilities (TENCAP) programs, AF TENCAP increases warfighter awareness of space and National capabilities, and promotes cross-domain integration of these systems into military and intelligence, surveillance and reconnaissance (ISR) operations through:

- 1) Exploiting existing Space, National and global ISR, and Non-Traditional ISR (NTISR) for operational and tactical applications by rapidly prototyping projects and demonstrating resulting capabilities. Capabilities will be transitioned to warfighters and/or National Intelligence Agencies for operational use, and/or appropriate acquisition organizations for further development.
- 2) Influencing the design and operation of future Space, National and global ISR, and NTISR systems for tactical users.
- 3) Providing education and training to warfighters and National Intelligence agencies.

The AF TENCAP Director administers and executes the AF TENCAP program. The Director coordinates and funds AF TENCAP efforts to provide robust capabilities that enhance support of Joint operations at the tactical level. The AF TENCAP Director is also a member of the Joint TENCAP Senior Officer Review Group (SORG).

This program is in Budget Activity 7, Operational System Development, because its efforts develop capabilities to leverage operational systems in order to increase the effectiveness of tactical warfighting activities.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Exploiting existing Space, National, and Global ISR, and Non-Traditional ISR (NTISR) for tactical applications by rapidly prototyping projects and demonstrating resulting capabilities and influencing the design and operation of future Space, National and global ISR, and NTISR systems for tactical users.	10.940	11.015	11.089
(U) Provide program support and other government support	0.512	0.532	0.554
(U) Total Cost	11.452	11.547	11.643

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

	<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>FY 2014</u>	<u>FY 2015</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>Estimate</u>	<u>Complete</u>	

(U) Not applicable

(U) **D. Acquisition Strategy**

Projects are selected for development based upon needs identified by the program's customers - DOD Departments, Combatant Commands, Components, MAJCOMs, and/or National Intelligence Agencies - and approved via the SIDC strategic planning process. Acquisition strategies for projects are chosen on a case-by-case basis for optimum results. Many projects are executed via existing contracts maintained by other agencies; others are executed via AF TENCAP contracts established with

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vendors responding to annual Broad Area Announcements issued by SIDC. In all cases the U.S. government organization sponsoring a project is responsible for assuming acquisition, deployment, logistics, and budgetary responsibilities for the developed capability after it has been successfully demonstrated by AF TENCAP.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U)	<u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2008</u> <u>Cost</u>	<u>FY 2008</u> <u>Cost</u>	<u>FY 2008</u> <u>Award</u> <u>Date</u>	<u>FY 2009</u> <u>Cost</u>	<u>FY 2009</u> <u>Award</u> <u>Date</u>	<u>FY 2010</u> <u>Cost</u>	<u>FY 2010</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>	
(U)	<u>Product Development</u> Exploiting existing systems through rapid-prototyping projects; influencing future systems; educating and training Subtotal Product Development Remarks:	Various	Various	220.212 220.212	10.940 10.940	Dec-07	11.015 11.015	Dec-08	11.089 11.089	Dec-09	Continuing Continuing	TBD TBD		0.000
(U)	<u>Support</u> Program oversight Subtotal Support Remarks:	Various	Various	7.797 7.797	0.512 0.512	Dec-07	0.532 0.532	Dec-08	0.554 0.554	Dec-09	Continuing Continuing	TBD TBD		0.000
(U)	<u>Test & Evaluation</u> Not applicable Subtotal Test & Evaluation Remarks:			0.000	0.000		0.000		0.000		0.000	0.000	0.000	0.000
(U)	<u>Management</u> Not applicable Subtotal Management Remarks:			0.000	0.000		0.000		0.000		0.000	0.000	0.000	0.000
(U)	Total Cost			228.009	11.452		11.547		11.643		Continuing	TBD		0.000

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Project 0001

Exhibit R-3 (PE 0207247F)

Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE

0001 Air Force TENCAP



Air Force TENCAP Schedule

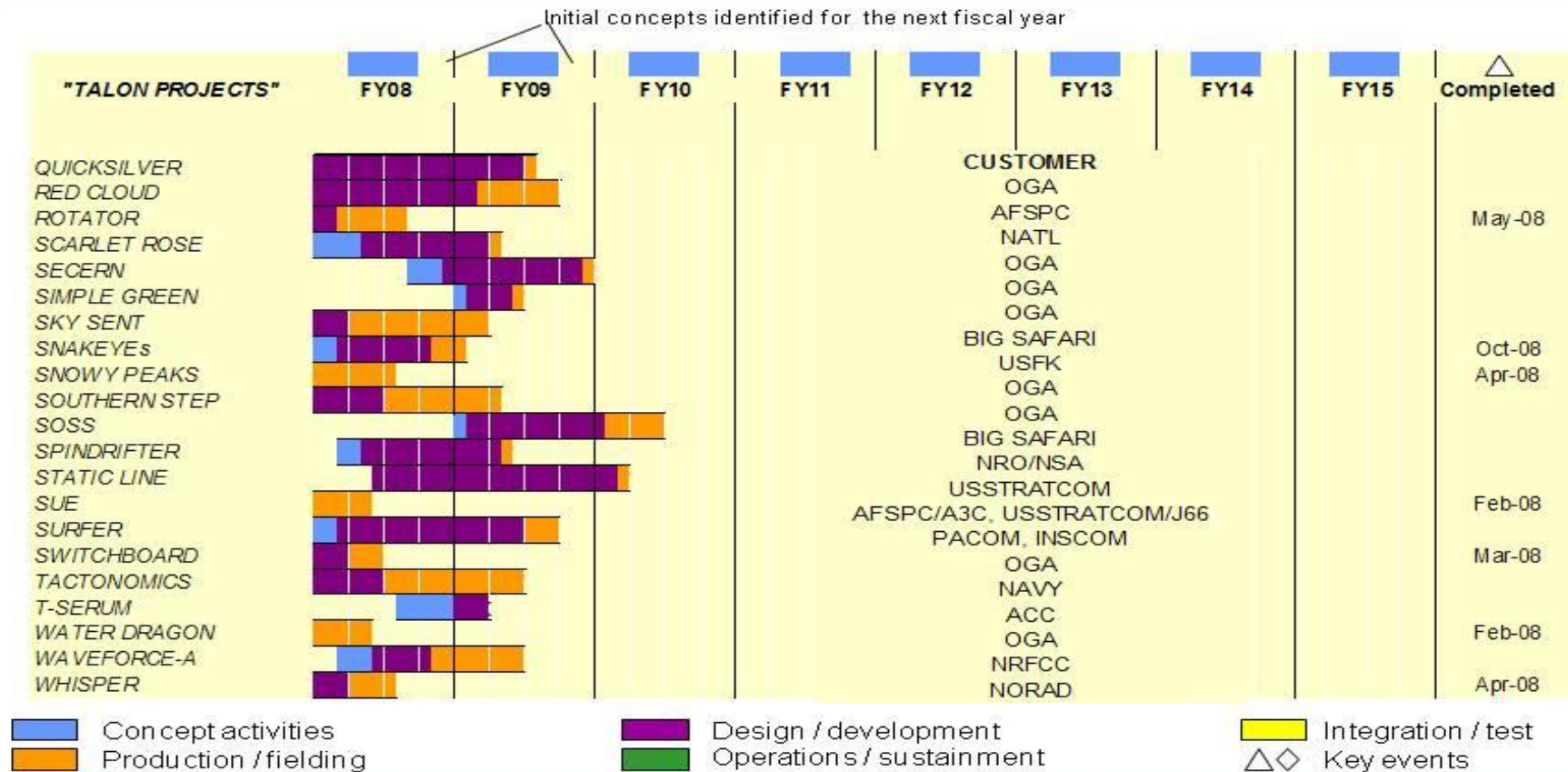


Exhibit R-4, RDT&E Schedule Profile

DATE

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	PROJECT NUMBER AND TITLE
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0001 Air Force TENCAP



Air Force TENCAP Schedule

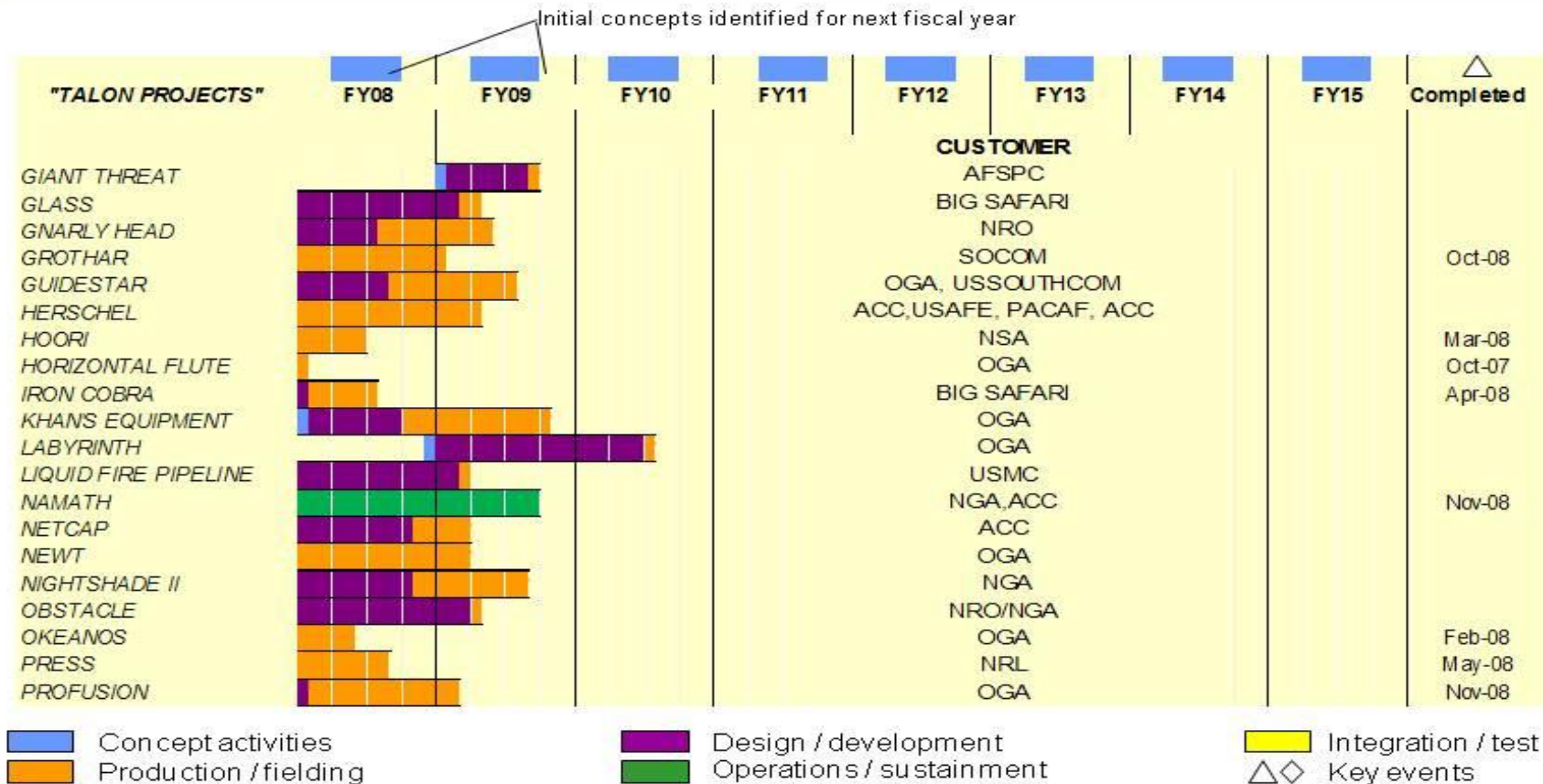


Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE

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Air Force TENCAP Schedule

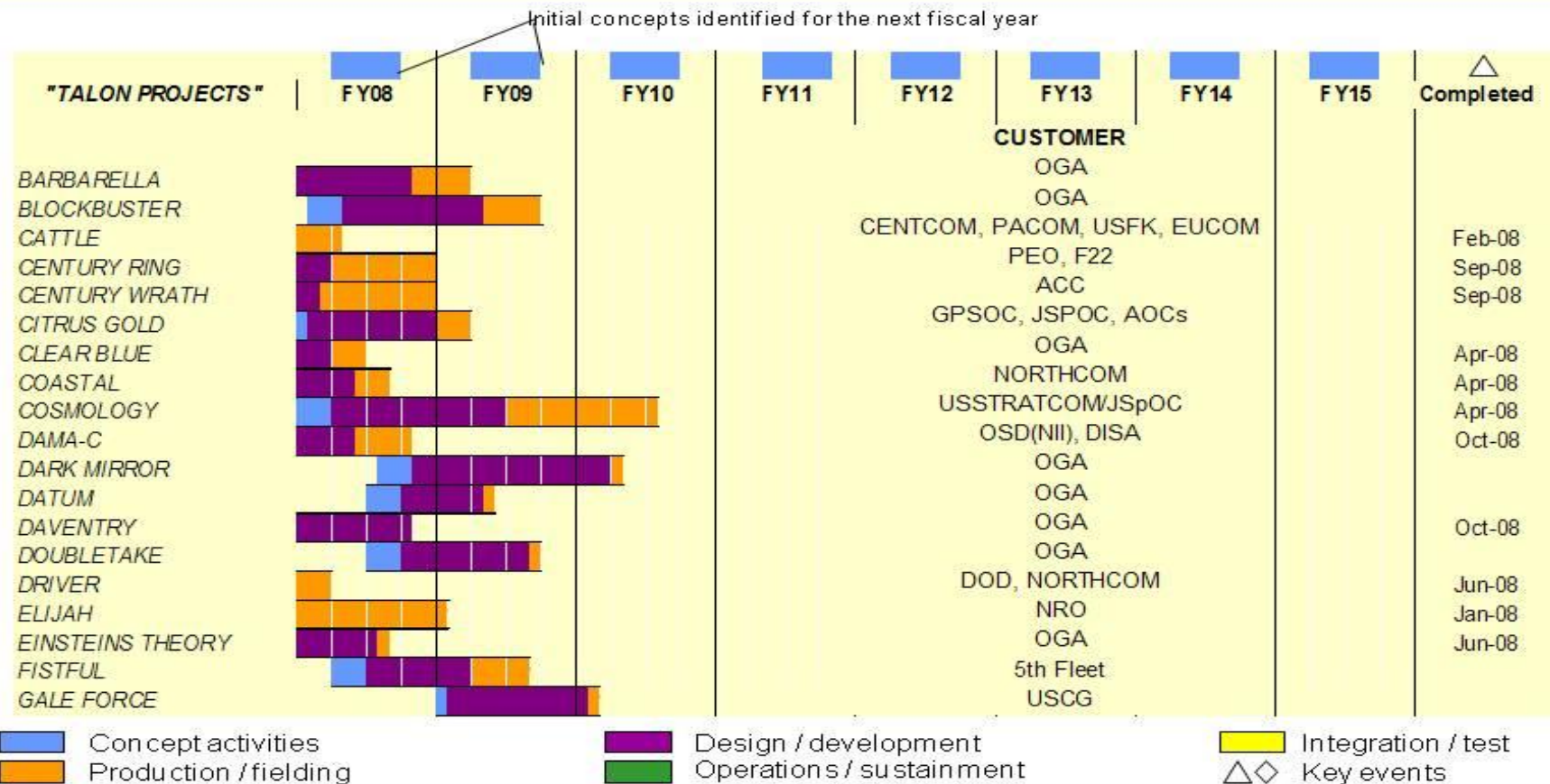


Exhibit R-4a, RDT&E Schedule Detail

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(U) **Schedule Profile**FY 2008FY 2009FY 2010

(U) FY 2008 projects contracted

1Q

(U) FY 2009 project concepts identified and approved

2-3Q

(U) FY 2009 project contractor proposals requested/reviewed

2-4Q

(U) FY 2009 projects approved for implementation

4Q

(U) FY 2009 projects contracted

1Q

(U) FY 2010 project concepts identified and approved

2-3Q

(U) FY 2010 project contractor proposals requested/reviewed

2-4Q

(U) FY 2010 projects approved for implementation

4Q

(U) FY 2010 projects contracted

1Q

(U) FY 2011 project concepts identified and approved

2-3Q

(U) FY 2011 project contractor proposals requested/reviewed

2-4Q

(U) FY 2011 projects approved for implementation

4Q

Most project selection activities occur approximately per the timelines shown, but some projects are initiated on a rolling basis throughout each year in response to time-sensitive operational requirements.