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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207247F: Air Force TENCAP							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	11.547	11.643	11.648	0.000	11.648	11.796	11.954	12.121	12.306	Continuing	Continuing
670001: Air Force TENCAP	11.547	11.643	11.648	0.000	11.648	11.796	11.954	12.121	12.306	Continuing	Continuing
A. Mission Description and Budget Item Justification											
<p>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:</p> <p>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.</p> <p>2) Influencing the design and operation of future Space, National and global ISR, and NTISR systems for tactical users.</p> <p>3) Providing education and training to warfighters and National Intelligence agencies.</p> <p>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).</p> <p>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.</p>											

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
3600: Research, Development, Test & Evaluation, Air Force		PE 0207247F: Air Force TENCAP			
BA 7: Operational Systems Development					
B. Program Change Summary (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	11.547	11.643	0.000	0.000	0.000
Current President's Budget	11.547	11.643	11.648	0.000	11.648
Total Adjustments	0.000	0.000	11.648	0.000	11.648
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	11.648	0.000	11.648
Change Summary Explanation					
FY 2011: The FY 2010 President's Budget submittal did not reflect FY 2011 through FY 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207247F: <i>Air Force TENCAP</i>				PROJECT 670001: <i>Air Force TENCAP</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
670001: <i>Air Force TENCAP</i>	11.547	11.643	11.648	0.000	11.648	11.796	11.954	12.121	12.306	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MAJOR THRUST: Exploiting existing Space, National, and Global ISR, and Non-Traditional ISR (NTISR) for tactical applications by rapidly prototyping projects and demonstrating resulting capabilities...	11.015	10.870	10.905	0.000	10.905

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force			DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0207247F: Air Force TENCAP	PROJECT 670001: Air Force TENCAP			
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: In FY 2009: 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. FY 2010 Plans: In FY 2010: 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. FY 2011 Base Plans: In FY 2011: 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. FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.					
MAJOR THRUST: Provide program support and other government support to the AFTENCAP program. FY 2009 Accomplishments: In FY 2009: Provide program support and other government support to the AFTENCAP program. FY 2010 Plans: In FY 2010: Provide program support and other government support to the AFTENCAP program. FY 2011 Base Plans: In FY 2011: Provide program support and other government support to the AFTENCAP program. FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.	0.532	0.773	0.743	0.000	0.743
Accomplishments/Planned Programs Subtotals	11.547	11.643	11.648	0.000	11.648

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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207247F: <i>Air Force TENCAP</i>			PROJECT 670001: <i>Air Force TENCAP</i>				
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE Not Provided (11111): <i>Not applicable</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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 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.											
E. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010																																																			
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Product Development (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method & Type</th> <th rowspan="2">Performing Activity & Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> <tr> <td>Exploiting existing systems through rapid-prototyping projects; influencing future systems; educating and training</td> <td>Various/ Various</td> <td>Various Various</td> <td align="right">242.167</td> <td align="right">10.870</td> <td>Dec 2009</td> <td align="right">10.905</td> <td>Dec 2010</td> <td align="right">0.000</td> <td></td> <td align="right">10.905</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td align="right">242.167</td> <td align="right">10.870</td> <td></td> <td align="right">10.905</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">10.905</td> <td></td> <td></td> <td></td> </tr> </table>														Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Exploiting existing systems through rapid-prototyping projects; influencing future systems; educating and training	Various/ Various	Various Various	242.167	10.870	Dec 2009	10.905	Dec 2010	0.000		10.905	Continuing	Continuing	Continuing	Subtotal			242.167	10.870		10.905		0.000		10.905			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract																																																	
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Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract																																																	
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<div style="display: flex; justify-content: space-between;"> <div style="width: 25%;"></div> <div style="width: 20%; text-align: center;"> Total Prior Years Cost </div> <div style="width: 10%; text-align: center;"> FY 2010 </div> <div style="width: 10%; text-align: center;"> FY 2011 Base </div> <div style="width: 10%; text-align: center;"> FY 2011 OCO </div> <div style="width: 10%; text-align: center;"> FY 2011 Total </div> <div style="width: 10%; text-align: center;"> Cost To Complete </div> <div style="width: 10%; text-align: center;"> Total Cost </div> <div style="width: 10%; text-align: center;"> Target Value of Contract </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 25%;">Project Cost Totals</div> <div style="width: 20%; text-align: center;">251.008</div> <div style="width: 10%; text-align: center;">11.643</div> <div style="width: 10%; text-align: center;">11.648</div> <div style="width: 10%; text-align: center;">0.000</div> <div style="width: 10%; text-align: center;">11.648</div> <div style="width: 10%;"></div> <div style="width: 10%;"></div> </div>									
Remarks Total Prior Years Cost may include only FY 2009 data.									

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

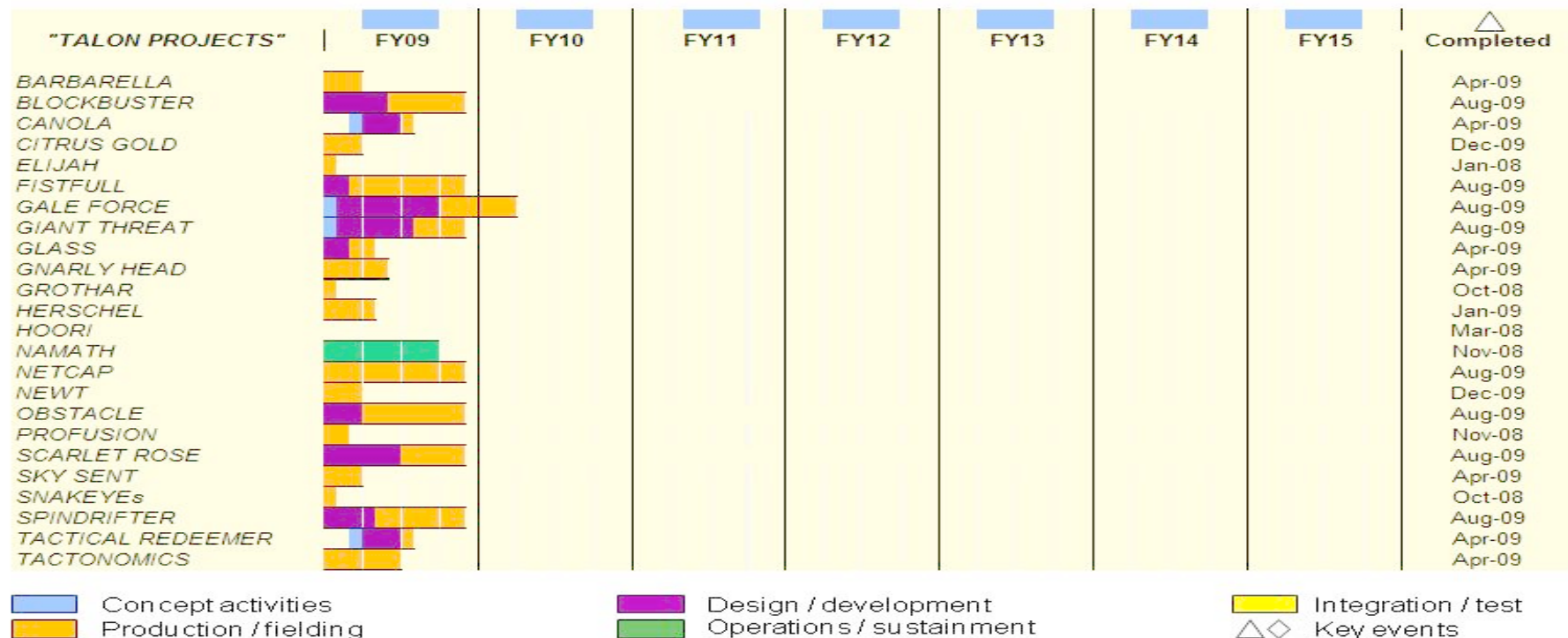
PE 0207247F: Air Force TENCAP

PROJECT

670001: Air Force TENCAP



Air Force TENCAP Completed Projects



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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

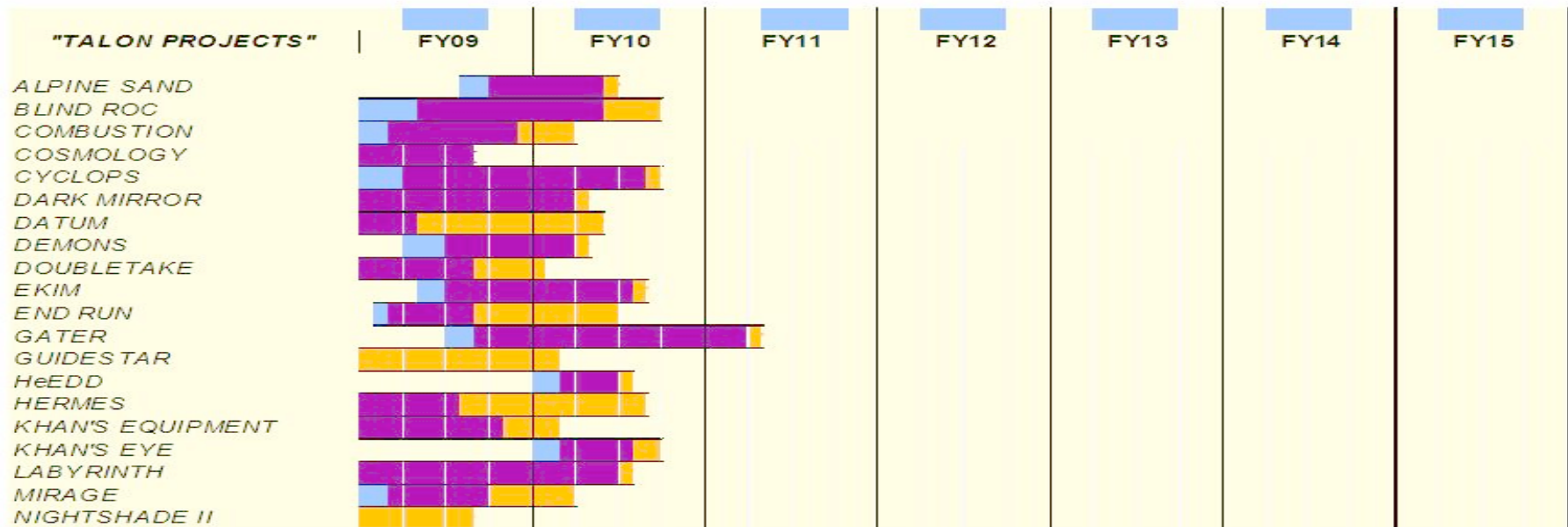
PE 0207247F: Air Force TENCAP

PROJECT

670001: Air Force TENCAP



Air Force TENCAP Schedule



Concept activities
Production / fielding

Design / development
Operations / sustainment

Integration / test
Key events

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

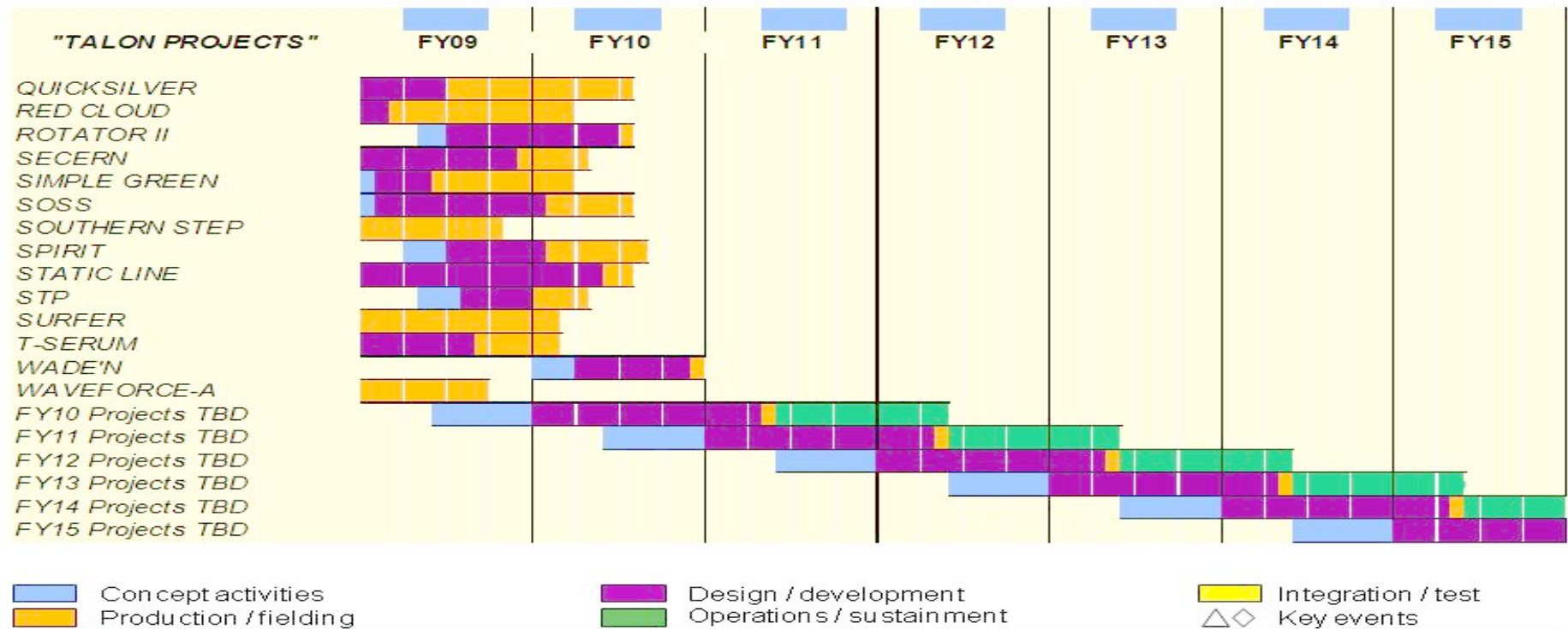
PE 0207247F: Air Force TENCAP

PROJECT

670001: Air Force TENCAP



Air Force TENCAP Schedule



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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force			DATE: February 2010
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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
FY 2009 projects contracted	1	2009	1	2009
FY 2010 project concepts identified and approved	2	2009	3	2009
FY 2010 project contractor proposals requested/reviewed	2	2009	4	2009
FY 2010 projects approved for implementation	4	2009	4	2009
FY 2010 projects contracted	1	2010	1	2010
FY 2011 project concepts identified and approved	2	2010	3	2010
FY 2011 project contractor proposals requested/reviewed	2	2010	4	2010
FY 2011 projects approved for implementation	4	2010	4	2010
FY 2011 projects contracted	1	2011	1	2011
FY 2011 project concepts identified and approved (1)	2	2011	3	2011
FY 2011 project contractor proposals requested/reviewed	2	2011	4	2011
FY 2012 projects approved for implementation	4	2011	4	2011

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