PE NUMBER: 0708011F
PE TITLE: Industrial Preparedness

Exhibit R-2, RDT&E Budget Item Justification	DATE: February 2005
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0708011F Industrial Preparedness

	Cost ($ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	58.719	56.708	36.934	35.979	39.569	39.379	39.743	39.637	Continuing	TBD
2865	Manufacturing Technology	58.719	56.708	36.934	35.979	39.569	39.379	39.743	39.637	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The DoD Manufacturing Technology (ManTech) program is mandated by Section 2521, Title 10, United States Code, to create an affordable, world-class industrial base manufacturing capability responsive to warfighter's needs. The Air Force ManTech major program tenets are: improvement of manufacturing processes and technologies; collaboration with Government program offices, industry, and academia; investments in technologies beyond reasonable risk level for industry alone; cost-sharing; multiple system/customer applications; potential for significant return on investment; and customer commitment to implement. To this end, ManTech develops, demonstrates, and transitions advanced manufacturing processes and technologies to reduce costs, improve quality/capability, and shorten cycle times of weapon systems during design, development, production, and sustainment. ManTech projects include efforts that respond to Government program office acquisition and sustainment requirements to reduce cost, schedule, cycle time, and risks during transition of technology. Where mature processes are not available, laboratory-developed initial process capabilities are matured and inserted into weapon system programs. ManTech objectives are conducted through partnership with all industry levels, from large prime contractors to small material and parts vendors. Program planning centers on the Aeronautical, Sustainment, Armament/Directed Energy, and Command/Control/Intelligence/Surveillance/ Reconnaissance (C2ISR) and Space sectors of the industrial base. Note: In FY 2005, Congress added $19.2 million for Advanced Low Observable Coatings Production Scale-up ($3.5 million), Technical Insertion Demonstration and Evaluation (TIDE) Program ($5 million), Nickel Hydride Battery Development ($1.3 million), Electronic Industry-Wide Network for Characteristics and Specifications (e-LINCS) Program ($1million), Advanced Nanomaterials Research ($1.9 million), Aerial Multi-Axis Platform ($1 million), Affordable Multi-Junction Solar Cells ($1.5 million), Laser Peening for F-119 Engines ($1 million), Rapid Manufacturing Using Computers and Lasers ($1 million), Supply Chain Optimization Universal Tool Kit ($1 million), and WR-ALC Maintenance Operations Support (MOS) Simulation Model ($1 million). ManTech is in Budget Activity 7, Operational System Development, since it provides support for systems in design, production, and/or operational use. ManTech is part of the Industrial Preparedness Program Element supporting the Defense Planning Guidance and the Air Force Planning Guidance.

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2005
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0708011F Industrial Preparedness

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

		FY 2004	FY 2005	FY 2006	FY 2007
(U)	Previous President's Budget	57.007	38.012	38.782	38.237
(U)	Current PBR/President's Budget	58.719	56.708	36.934	35.979
(U)	Total Adjustments	1.712	18.696		
(U)	Congressional Program Reductions				
	Congressional Rescissions		-0.504		
	Congressional Increases		19.200		
	Reprogrammings	3.061			
	SBIR/STTR Transfer	-1.349			
(U)	Significant Program Changes:				

Not Applicable.

Exhibit R-2a, RDT&E Project Justification

DATE: February 2005

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0708011F Industrial Preparedness

PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology

Cost ($ in Millions)		FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2865	Manufacturing Technology	58.719	56.708	36.934	35.979	39.569	39.379	39.743	39.637	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The DoD Manufacturing Technology (ManTech) program is mandated by Section 2521, Title 10, United States Code, to create an affordable, world-class industrial base manufacturing capability responsive to warfighter's needs. The Air Force ManTech major program tenets are: improvement of manufacturing processes and technologies; collaboration with Government program offices, industry, and academia; investments in technologies beyond reasonable risk level for industry alone; cost-sharing; multiple system/customer applications; potential for significant return on investment; and customer commitment to implement. To this end, ManTech develops, demonstrates, and transitions advanced manufacturing processes and technologies to reduce costs, improve quality/capability, and shorten cycle times of weapon systems during design, development, production, and sustainment. ManTech projects include efforts that respond to Government program office acquisition and sustainment requirements to reduce cost, schedule, cycle time, and risks during transition of technology. Where mature processes are not available, laboratory-developed initial process capabilities are matured and inserted into weapon system programs. ManTech objectives are conducted through partnership with all industry levels, from large prime contractors to small material and parts vendors. Program planning centers on the Aeronautical, Sustainment, Armament/Directed Energy, and Command/Control/Intelligence/Surveillance/ Reconnaissance (C2ISR) and Space sectors of the industrial base. Note: In FY 2005, Congress added $19.2 million for Advanced Low Observable Coatings Production Scale-up ($3.5 million), Technical Insertion Demonstration and Evaluation (TIDE) Program ($5 million), Nickel Hydride Battery Development ($1.3 million), Electronic Industry-Wide Network for Characteristics and Specifications (e-LINCS) Program ($1million), Advanced Nanomaterials Research ($1.9 million), Aerial Multi-Axis Platform ($1 million), Affordable Multi-Junction Solar Cells ($1.5 million), Laser Peening for F-119 Engines ($1 million), Rapid Manufacturing Using Computers and Lasers ($1 million), Supply Chain Optimization Universal Tool Kit ($1 million), and WR-ALC Maintenance Operations Support (MOS) Simulation Model ($1 million). ManTech is in Budget Activity 7, Operational System Development, since it provides support for systems in design, production, and/or operational use. ManTech is part of the Industrial Preparedness Program Element supporting the Defense Planning Guidance and the Air Force Planning Guidance.

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007
(U) MAJOR THRUST: Manufacturing of Aeronautical Survivability and Modernization. Pursue affordable and efficient manufacturing investigations for critical, high quality, reliable structural, propulsion, stealth, and electronic components and assemblies required for existing and next generation aircraft.	16.087	13.760	3.664	2.020

(U) In FY 2004: Completed manufacturability efforts of laser components for the Affordable Missile Warning Sensor for large aircraft. Continued high value pilot efforts to verify advantages of flexible manufacturing, commercial/military integration, quality processing, and supplier improvements (e.g., Composites Affordability Initiative). Investigated and developed manufacturing capabilities for more affordable low-observable structures. Continued effort to reduce high-cycle fatigue damping in engine components. Continued rapid response productivity improvement efforts with selected high value programs.

(U) In FY 2005: Continue high value efforts to verify advantages of flexible manufacturing,

Exhibit R-2a, RDT&E Project Justification		DATE: February 2005
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology

commercial/military integration, quality processing, and supplier improvements. Continue development of manufacturing capabilities for more affordable low-observable structures. Continue rapid response productivity improvement efforts with selected high value programs.

(U) In FY 2006: Continue high value efforts to verify advantages of flexible manufacturing, commercial/military integration, quality processing, and supplier improvements. Continue development of manufacturing capabilities for more affordable low-observable structures. Begin affordability/producibility improvements for radio frequency/infrared/directed energy countermeasures systems. Continue rapid response productivity improvement efforts with selected high value programs.

(U) In FY 2007: Continue high value efforts to verify advantages of flexible manufacturing, commercial/military integration, quality processing, and supplier improvements. Continue development of manufacturing capabilities for more affordable low-observable structures. Continue affordability/producibility improvements for radio frequency/infrared/directed energy countermeasures systems. Continue rapid response productivity improvement efforts with selected high value programs.

(U)

(U) MAJOR THRUST: Manufacturing for Sustainment/Readiness. Pursue cost-effective repair and manufacturing technologies for affordable sustainment components.	8.453	9.527	5.251	6.061

(U) In FY 2004: Pursued cost-effective repair and manufacturing technologies for affordable sustainment of aircraft and turbine engine components. Completed pilot efforts to demonstrate benefits from inserting electronic parts obsolescence management tools into weapon system production programs. Maintained multi-year Engine Rotor Life Extension (ERLE) technical effort to extend the life of critical, high value rotating engine components, which have been exposed to high-cycle fatigue environments -- continued ERLE spiral I effort. Continued rapid response producibility improvement efforts with selected high value programs.

(U) In FY 2005: Continue cost-effective repair and manufacturing technologies for affordable sustainment of aircraft and turbine engine components. Continue multi-year ERLE technical effort to extend the life of critical, high value rotating engine components, which have been exposed to high-cycle fatigue environments. Complete ERLE spiral I effort to reduce high-cycle fatigue damping in engine components. Initiate ERLE spiral II technical effort to extend the life of critical, high value rotating engine components, which have been exposed to high-cycle fatigue environments. Continue rapid response productivity improvement efforts with selected high-value programs.

(U) In FY 2006: Continue cost-effective repair and manufacturing technologies for affordable sustainment of aircraft and turbine engine components. Continue ERLE spiral II technical effort to extend the life of critical, high value rotating engine components, which have been exposed to high-cycle fatigue environments. Continue rapid response productivity improvement efforts with selected high value programs.

Exhibit R-2a, RDT&E Project Justification			DATE February 2005
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE 2865 Manufacturing Technology	

(U)	In FY 2007: Continue cost-effective repair and manufacturing technologies for affordable sustainment of aircraft and turbine engine components. Continue ERLE spiral II technical effort to extend the life of critical, high value rotating engine components, which have been exposed to high-cycle fatigue environments. Continue rapid response productivity improvement efforts with selected high value programs.				
(U)					
(U)	MAJOR THRUST: Manufacturing for Armament and Directed Energy Systems. Develop efficient and cost-effective manufacturing methods for high performance, high reliability components and materials for advanced tactical missiles, aircraft missile sensors, and directed energy systems.	4.735	3.946	5.302	4.444
(U)	In FY 2004: Continued to pursue efficient and cost-effective manufacturing methods for high performance and reliable components for advanced tactical missiles, aircraft missile sensors (e.g., Inertial Measurement Unit for Micro-Electro-Mechanical Systems effort), and directed energy systems. Initiated manufacturing technology efforts supporting producibility/affordability improvements in high priority precision-guided munitions components. Continued rapid response producibility improvement efforts with selected high value programs.				
(U)	In FY 2005: Continue to pursue efficient and cost-effective manufacturing methods for high performance and reliable components for advanced tactical missiles and aircraft missile sensors. Complete Inertial Measurement Unit for Micro-Electro-Mechanical Systems effort. Continue efforts supporting producibility/affordability improvements in high priority precision-guided munitions (PGM) components -- complete efforts on Global Positioning System (GPS) anti-spoofing module coating production process improvements. Continue rapid response productivity improvement efforts with selected high-value programs.				
(U)	In FY 2006: Continue to pursue efficient and cost-effective manufacturing methods for high performance and reliable components for advanced tactical missiles, aircraft missile sensors, and directed energy systems. Continue efforts supporting producibility/affordability improvements in high priority PGM components. Continue rapid response productivity improvement efforts with selected high value programs.				
(U)	In FY 2007: Continue to pursue efficient and cost-effective manufacturing methods for high performance and reliable components for advanced tactical missiles, aircraft missile sensors, and directed energy systems. Continue efforts supporting producibility/affordability improvements in high priority PGM components. Continue rapid response productivity improvement efforts with selected high value programs.				
(U)					
(U)	MAJOR THRUST: Manufacturing of Command, Control, Intelligence, Surveillance and Reconnaissance (C2ISR) Electronics and Space. Address critical manufacturing issues for various C2ISR and space	10.153	10.444	22.717	23.454

Exhibit R-2a, RDT&E Project Justification		DATE February 2005
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE 2865 Manufacturing Technology

platforms.

(U) In FY 2004: Continued efforts to address critical electronics manufacturing technologies for various C2ISR platforms. Focused efforts on components such as electronically scanned arrays to improve producibility, reliability, and affordability. Continued rapid response producibility improvement efforts with selected high value programs.

(U) In FY 2005: Continue efforts to address critical electronics manufacturing technologies for various C2ISR systems in order to improve affordability and producibility. Continue major multi-year and cross-sector effort on Active Electronically Scanned Arrays (AESA) components to enable improved manufacturing processes, reduce integration and test, and reduce production costs for all users of AESA systems. Continue rapid response productivity improvement efforts with selected high value programs.

(U) In FY 2006: Continue efforts to address critical manufacturing technologies for various C2ISR and space systems in order to improve affordability and producibility. Continue effort on AESA to enable improved manufacturing processes, reduced integration and test, and reduce production costs for armament, aeronautical, C2ISR, and space users of AESA systems. Begin efforts related to affordability/producibility improvements for datalinks components. Investigate affordability and producibility of key space system components through improved manufacturing processes, technology transition, and/or supplier base improvements. Continue rapid response productivity improvement efforts with selected high value programs.

(U) In FY 2007: Continue efforts to address critical electronics manufacturing technologies for various C2ISR and space systems in order to improve affordability and producibility. Continue effort on AESA to enable improved manufacturing processes, reduce integration and test, and reduce production costs for armament, aeronautical, C2ISR, and space users of AESA systems. Continue efforts related to affordability/producibility improvements for datalinks components. Investigate affordability and producibility of key space system components through improved manufacturing processes, technology transition, and/or supplier base improvements. Continue rapid response productivity improvement efforts with selected high value programs.

(U)

(U) CONGRESSIONAL ADD: Applied Research and Technology in Transition.	9.509	0.000	0.000	0.000

(U) In FY 2004: Developed tasks associated with Applied Research and Technology in Transition. Began to develop a Center for Aerospace Manufacturing Technology at the University of Missouri - Rolla dedicated to research on advanced aerospace manufacturing.

(U) In FY 2005: Not Applicable.

(U) In FY 2006: Not Applicable.

(U) In FY 2007: Not Applicable.

(U)

Exhibit R-2a, RDT&E Project Justification			DATE February 2005
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE 2865 Manufacturing Technology	

(U)	CONGRESSIONAL ADD: Advanced Low Observable Coatings Production Scale-up.	2.717	3.470	0.000	0.000
(U)	In FY 2004: Produced coatings via improved manufacturing process and began system level demonstration, test, and evaluation.				
(U)	In FY 2005: Continue tasks to increase production rates and reduce low observable coating cost.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Technical Insertion Demonstration and Evaluation (TIDE) Program.	2.426	4.956	0.000	0.000
(U)	In FY 2004: Developed Government program management guidelines and defined optimal collaboration processes/tools, and deployed commercial collaboration processes/tools into the weapons supply chain to accelerate production.				
(U)	In FY 2005: Study current state of Original Equipment Managers (OEM) - Subject Matter Experts collaboration and develop capabilities for improvement. Develop a supply chain assessment tool for Government and OEM program managers. Continue to deploy commercial collaboration processes/tools into the weapons supply chain to accelerate production.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Nickel Hydride Battery.	1.941	1.288	0.000	0.000
(U)	In FY 2004: Continued test and evaluation. Designed and implemented additional production scale-up efficiencies and automation.				
(U)	In FY 2005: Continue test and evaluation. Continued additional production scale-up efficiencies and automation.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Electronic Industry-Wide Network for Characteristics and Specifications (e-LINCS).	0.971	0.992	0.000	0.000
(U)	In FY 2004: Completed Needs Analysis Report, developed system infrastructure, e-LINCS website launched, and initiated regional pilot planning.				
(U)	In FY 2005: Continued refinement of infrastructure, pilot program kick-off, initiation of sub-task training and conducting of Advisory Board Meetings.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					

Exhibit R-2a, RDT&E Project Justification			DATE: February 2005
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology	

(U)	CONGRESSIONAL ADD: Advanced Nanomaterials Research.	1.727	1.883	0.000	0.000
(U)	In FY 2004: Initiated investigation of funtionalization methods for pilot plant scale up for production of high quality single walled nanotubes and metalized nanomaterials.				
(U)	In FY 2005: Down select and validate, synthesis, purification and funtionalization methods for pilot plant scale up for production of high quality single walled nanotubes and metalized nanomaterials.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Aerial Multi-Axis Platform.	0.000	0.991	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Pursue reducing de-paint flow time by implementing Aerial Multi-Axis Platform in new and existing facilities.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Affordable Multi-Junction Solar Cells.	0.000	1.486	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Investigating and developing lean, domestic sources of high purity Germanium (Ge) wafers required in manufacturing Multi-Junction Solar Cells.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Laser Peening for F119 Engines.	0.000	0.992	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Increase damage tolerance of integrally bladed rotors.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: Rapid Manufacturing Using Computers and Lasers.	0.000	0.991	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Develop rapid manufacturing capabilities by reducing the cost and time of manufacturing through the use of innovative and novel processes.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					

Exhibit R-2a, RDT&E Project Justification		DATE February 2005
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE 2865 Manufacturing Technology

(U)	CONGRESSIONAL ADD: Supply Chain Optimization Universal Tool Kit (SCOUT).	0.000	0.991	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Utilize radio frequency identification technology, lean six sigma practices, and information technology to effect improvements in DoD value chain.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	CONGRESSIONAL ADD: WR-ALC Maintenance Operations Support (MOS) Simulation Model.	0.000	0.991	0.000	0.000
(U)	In FY 2004: Not Applicable.				
(U)	In FY 2005: Develop tasks associated with WR-ALC Maintenance Operations Support (MOS) Simulation Model.				
(U)	In FY 2006: Not Applicable.				
(U)	In FY 2007: Not Applicable.				
(U)					
(U)	Total Cost	58.719	56.708	36.934	35.979

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

	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
(U) AF RDT&E										
(U) Other APPN										

Not Applicable.

(U) D. Acquisition Strategy

All major contracts in this Program Element were awarded after full and open competition.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: February 2005

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0708011F Industrial Preparedness

PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Advanced Technology Inst	Coop Agmt		0.825									0.000	0.825	
Aerojet-General Corp	Coop Agmt		2.150									0.000	2.150	
Anteon	Various		7.652	1.400		1.883						0.000	10.935	
AT&T Government Solutions	Cost Plus		0.300									0.000	0.300	
Boeing	Various		26.850	1.344		1.738						0.000	29.932	
Central State University	Cost Share		0.400									0.000	0.400	
CMC	Various		0.600			0.400							1.000	
Doyle Center for MTech, PA	Various		1.500	2.500		4.956							8.956	
Electro Energy Inc	Various		0.855	2.000		1.288							4.143	
Frontier Technologies	Cost Plus		0.557									0.000	0.557	
GE	Coop Agmt		0.898	0.200								0.000	1.098	
General Atomics	Various		7.600	2.800		3.470							13.870	
GRC	Cost Plus		2.470	1.000								0.000	3.470	
Honeywell	Various		4.190	0.630		0.338						0.000	5.158	
Indigo	Various					0.475							0.475	
Infoscribe	Various		1.030	0.445		0.223							1.698	
Kaman-Dayron	Various		0.742	0.100		0.200							1.042	
KBSI	Cost Share		3.350									0.000	3.350	
Lockheed Martin	Various		16.245	1.461		0.584						0.000	18.290	
LSP Technologies	Cost Share		8.834			0.992						0.000	9.826	
Mississippi State University	Cost Share		0.250									0.000	0.250	
MIT	Coop Agmt		10.456	2.290		2.000						0.000	14.746	
Motorola	Tech Int Agr		1.939									0.000	1.939	
Northrop Grumman	Various		29.929	4.973		3.392						0.000	38.294	
Pratt & Whitney	Tech Int Agr		5.950	0.577								0.000	6.527	
Raytheon	Coop Agmt		1.100	0.304		1.908						0.000	3.312	
Surmet	Various					0.550							0.550	
TMCI	Cost Plus		1.635									0.000	1.635	
TRW	Coop Agmt		4.615									0.000	4.615	
Univ Dayton Res Inst	Cost Plus		8.304	4.996		4.108						0.000	17.408	
Univ Maryland	Coop		2.550	9.800								0.000	12.350	

Exhibit R-3, RDT&E Project Cost Analysis

DATE: February 2005

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0708011F Industrial Preparedness

PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology

		Agmt										
	US Technology	Various	0.760		1.000						1.760	
	UTC	Various	0.830	0.352						0.000	1.182	
	Various	Various	91.514	21.547	27.203	36.934	Sep-06	35.979	Sep-07	Continuing	TBD	
	Subtotal Product Development		246.880	58.719	56.708	36.934		35.979		Continuing	TBD	0.000
	Remarks:											
(U)	Support											
	In house support										0.000	
	Subtotal Support		0.000	0.000	0.000	0.000		0.000		0.000	0.000	0.000
	Remarks:											
(U)	Test & Evaluation											
											0.000	
	Subtotal Test & Evaluation		0.000	0.000	0.000	0.000		0.000		0.000	0.000	0.000
	Remarks:											
(U)	Management											
											0.000	
	Subtotal Management		0.000	0.000	0.000	0.000		0.000		0.000	0.000	0.000
	Remarks:											
(U)												
											0.000	
	Subtotal		0.000	0.000	0.000	0.000		0.000		0.000	0.000	0.000
	Remarks:											
(U)												
											0.000	
	Subtotal		0.000	0.000	0.000	0.000		0.000		0.000	0.000	0.000
	Remarks:											
(U)	Total Cost		246.880	58.719	56.708	36.934		35.979		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile		DATE: February 2005
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology

ManTech Schedule Summary

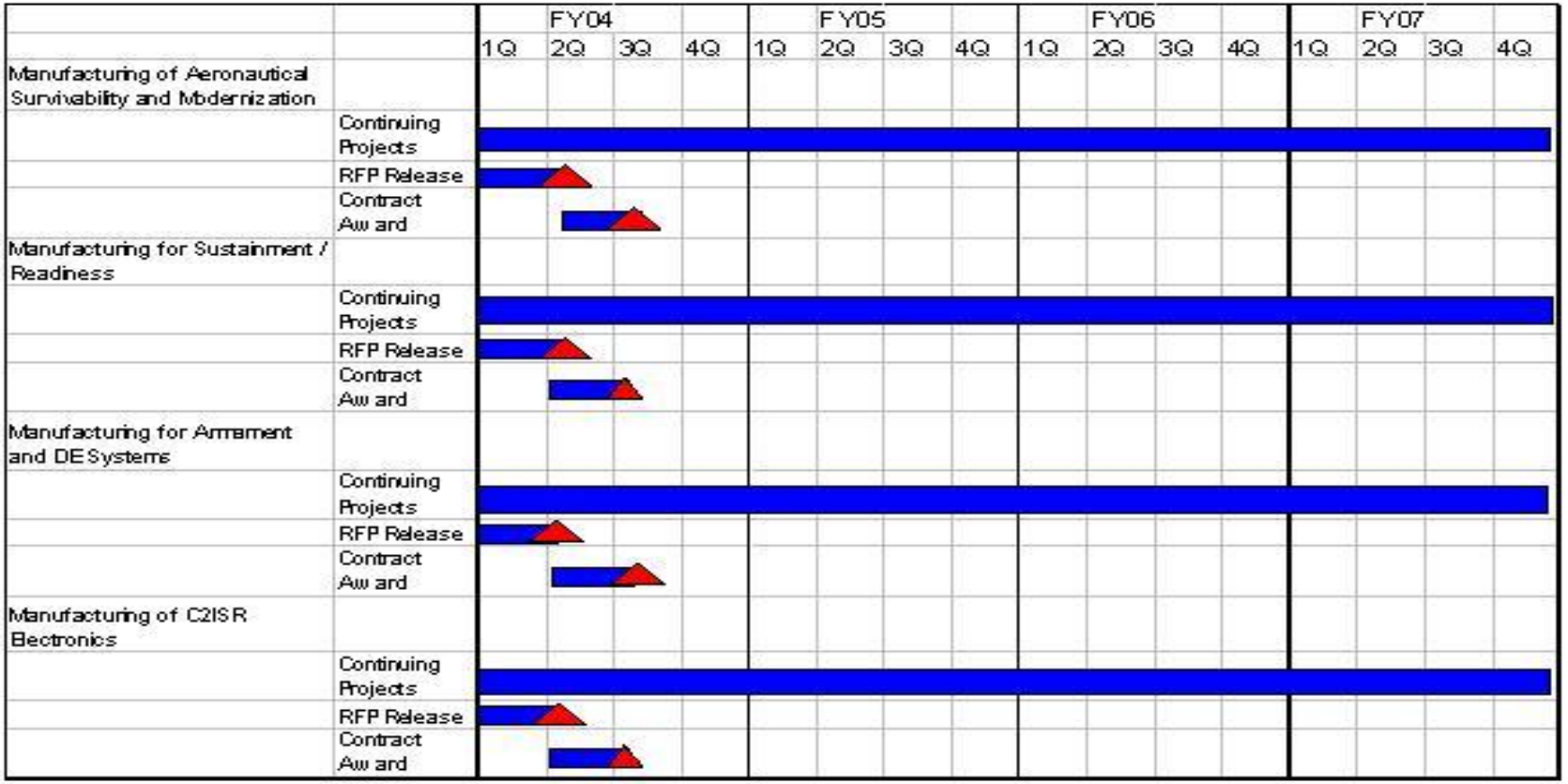

Exhibit R-4a, RDT&E Schedule Detail			DATE: February 2005
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0708011F Industrial Preparedness	PROJECT NUMBER AND TITLE: 2865 Manufacturing Technology	

(U) Schedule Profile	FY 2004	FY 2005	FY 2006	FY 2007
(U) Manufacturing Technology for Aeronautical Survivability and Modernization.	1-4Q	1-4Q	1-4Q	1-4Q
(U) Request for Proposal Release	2Q	2Q	2Q	2Q
(U) Contract Awards	3Q	3Q	3Q	3Q
(U) Manufacturing Technology for Sustainment / Readiness	1-4Q	1-4Q	1-4Q	1-4Q
(U) Request for Proposal Release	1Q	1Q	1Q	1Q
(U) Contract Awards	2Q	2Q	2Q	2Q
(U) Manufacturing for Armament and Directed Energy Systems.	1-4Q	1-4Q	1-4Q	1-4Q
(U) Request for Proposal Release	1Q	1Q	1Q	1Q
(U) Contract Awards	2Q	2Q	2Q	2Q
(U) Manufacturing for command, control, intelligence, surveillance, and reconnaissance (C2ISR) electronics	1-4Q	1-4Q	1-4Q	1-4Q
(U) Request for Proposal Release	1Q	1Q	1Q	1Q
(U) Contract Awards	2Q	2Q	2Q	2Q