PE NUMBER: 0208006F
PE TITLE: Mission Planning Systems

Exhibit R-2, RDT&E Budget Item Justification	DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems

	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	101.666	97.296	91.995	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
3858	Mission Planning Systems (MPS)	101.666	95.345	90.321	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5302	Precision Aerial Delivery System	0.000	1.951	1.674	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

PADS FY08 funding ($1.800) is included in Project 3858. PADS FY09 and outyear funding is included in Project 5302.

(U) A. Mission Description and Budget Item Justification

Mission planning involves the creation of a flight plan based on threats, targets, terrain, weather, aircraft performance capability, and configuration. It is an essential task that must be completed prior to any fixed or rotary wing aircraft sortie. The planner must have the ability to plan weapon, cargo, passenger, and/or fuel delivery, calculate fuel requirements, and assess the route based on known enemy threat location and type. Mission planners must be able to optimize and de-conflict flight routes with other aircraft; review, print, and brief the mission plan; and download pertinent flight information to on-board aircraft avionics.

The Mission Planning Systems (MPS) program is a collaborative program with the Army and Navy to leverage technical solutions and business practices for all Department of Defense (DoD) aircraft platforms, fixed and rotary wing. It provides automated mission-planning tools and support for fixed and rotary wing aircraft and guided munitions. It will replace two closed architecture legacy mission planning systems (Unix-based MPS (Unix-MPS) and the PC-based Portable Flight Planning Software (PFPS)), with a single multi-service open architecture system more commonly referred to as the Joint Mission Planning System (JMPS). JMPS will enable the mission planning cycle to be compressed by providing an improved integrated planning environment, reducing the time required to respond to changing situations and urgent needs such as striking time sensitive/critical targets and conducting combat search and rescue. The JMPS development program will migrate a variety of Air Force aircraft, weapons, and airdrop payload systems from legacy mission planners to MPS. These systems include the A-10, B-1B, C-5, C-17, C-130, E-3, E-8, F-16, F-15, F-22A, KC-10, KC-135, RC-135, HH-60, and their associated weapons (e.g. Small Diameter Bomb (SDB), Joint Direct Attack Munitions (JDAM), Joint Stand Off Weapon (JSOW), Wind Corrected Munitions Dispenser (WCMD), Joint Air-to-Surface, Standoff Munitions (JASSM), etc…) and airdrop payloads. JMPS will significantly benefit command and control performance by enhancing information superiority for the warfighter and by providing unique capabilities in support of both precision engagement and dominant maneuver.

Additionally, elements of Mission Planning will be utilized to continue development of a Precision Airdrop System (PADS) in conjunction with the Army. The PADS System of Systems (SoS) capability provides a planning and execution capability for DoD airdrop requirements. It is the primary airdrop mission planning and execution system when the mission profile or surface-to-air threat assessment warrants high-altitude and/or standoff precision delivery. PADS enables high-altitude, precise airdrop delivery to forward ground forces, mitigating surface-to-air threats reducing risk of IED & insurgent attack on ground convoys. PADS allows the warfighter to consider weather, terrain, aircraft capabilities, threat, etc… to accurately deliver payload.

The Mission Planning Systems program is in Budget Activity 7 because it provides for development of technologies and capabilities to support and ultimately replace the currently fielded PFPS and Unix-MPS systems.

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems

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

		FY 2008	FY 2009	FY 2010
(U)	Previous President's Budget	104.575	97.560	98.574
(U)	Current PBR/President's Budget	101.666	97.296	91.995
(U)	Total Adjustments	-2.909	-0.264	
(U)	Congressional Program Reductions			
	Congressional Rescissions		-0.264	
	Congressional Increases			
	Reprogrammings			
	SBIR/STTR Transfer	-2.909		
(U)	Significant Program Changes:			

Exhibit R-2a, RDT&E Project Justification			DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE: 3858 Mission Planning Systems (MPS)	

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
3858 Mission Planning Systems (MPS)	101.666	95.345	90.321	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		

PADS FY08 funding ($1.800) is included in Project 3858. PADS FY09 and outyear funding is included in Project 5302.

(U) A. Mission Description and Budget Item Justification

Mission planning involves the creation of a flight plan based on threats, targets, terrain, weather, aircraft performance capability, and configuration. It is an essential task that must be completed prior to any fixed or rotary wing aircraft sortie. The planner must have the ability to plan weapon, cargo, passenger, and/or fuel delivery, calculate fuel requirements, and assess the route based on known enemy threat location and type. Mission planners must be able to optimize and de-conflict flight routes with other aircraft; review, print, and brief the mission plan; and download pertinent flight information to on-board aircraft avionics.

The Mission Planning Systems (MPS) program is a collaborative program with the Army and Navy to leverage technical solutions and business practices for all Department of Defense (DoD) platforms. It provides automated mission-planning tools and support for fixed and rotary wing aircraft and guided munitions. It will replace two closed architecture legacy mission planning systems (Unix-based MPS (Unix-MPS) and the PC-based Portable Flight Planning Software (PFPS)), with a single multi-service open architecture system more commonly referred to as the Joint Mission Planning System (JMPS). JMPS will enable the mission planning cycle to be compressed by providing an improved integrated planning environment, reducing the time required to respond to changing situations and urgent needs such as striking time sensitive/critical targets and conducting combat search and rescue. The JMPS development program will migrate a variety of Air Force aircraft, weapons, and airdrop payload systems from legacy mission planners to MPS. These systems include the A-10, B-1B, C-5, C-17, C-130, E-3, E-8, F-16, F-15, F-22A, KC-10, KC-135, RC-135, HH-60, and their associated weapons (e.g. Small Diameter Bomb (SDB), Joint Direct Attack Munitions (JDAM), Joint Stand Off Weapon (JSOW), Wind Corrected Munitions Dispenser (WCMD), Joint Air-to-Surface, Standoff Munitions (JASSM), etc…) and airdrop payloads. In addition, basic JMPS products have the potential to support all DoD fixed-wing and rotary-wing aircraft and will be shared with other AF programs as well as the Army and Navy. Additionally, elements of mission planning will be utilized to continue development of a Joint Precision Airdrop System (JPADS) in conjunction with the Army. JMPS will significantly benefit command and control performance by enhancing information superiority for the warfighter and by providing unique capabilities in support of both precision engagement and dominant maneuver.

JMPS uses an evolutionary acquisition approach, which emphasizes spiral development and the use of Increments (increment content is described below) to provide capabilities to individual AF platforms. Additionally, the JMPS architecture enables common components to be utilized by multiple service platforms and weapons systems where appropriate, thereby reducing duplicative software development efforts and increasing interoperability between services. Furthermore, JMPS is developed using a net centric strategy. The JMPS framework and common components will require continuous upgrades to: 1) reduce timelines for route planning; 2) transmit near real-time intelligence data to the platforms; 3) increase the accuracy of the mapping products; 4) provide a Windows-based, COTS-based, user friendly product; and 5) retain compatibility with platform changes to avionics and operational flight programs. Mission Planning increments and modernization efforts are as follows:

Exhibit R-2a, RDT&E Project Justification		DATE May 2009
BUDGET ACTIVITY **07 Operational System Development**	PE NUMBER AND TITLE **0208006F Mission Planning Systems**	PROJECT NUMBER AND TITLE **3858 Mission Planning Systems (MPS)**

a. Increment II - completed the migration of the F-15 from the legacy Unix-MPS system with the fielding of the F-15 Suite 5 Mission Planning Environment (MPE) in November 2007. It also provided an initial JMPS product for the RC-135.

b. Increment III - continues the initial migration of additional aircraft platforms (F-22A, F-16, B-1B, A-10, and RC-135) and weapons (e.g. JASSM) to JMPS. It also upgrades the framework and develops new common components (e.g. Weather, Electronic Warfare, Airdrop, and Precision Guided Munitions) and unique platform capabilities for selected aircraft and weapons. Additionally, engineering studies will be conducted to plan and support the migration of future platforms to JMPS.

c. Increment IV - continues the JMPS migration effort by migrating Tanker Airlift Special Mission (TASM) aircraft [e.g. C-5, C-17, C-130, KC-10, KC-135, E-3, E-8], Mobility Air Forces (MAF) centralized planning systems, and the HH-60. It also upgrades the framework and several Common Components capabilities (e.g. Enhanced Air Refueling, Precision Guided Munitions Planning Software (PGMPS). In addition, Increment IV updates platforms that previously transitioned to JMPS (F-15, F-16, A-10, B-1B, and F-22A) to provide capabilities IAW the Inc IV CDD. Additionally, engineering studies and analyses will be conducted to support current program planning and execution and support the migration of future platforms to JMPS.

d. MPS MPE Modernization - Will modify Mission Planning Environments (MPEs) that are being developed in Increments II-IV and are being deployed over the next few years. The modernization activities will provide new and improved mission planning capabilities for individual MPEs as required to meet evolving platform OFP requirements for new weapons, avionics upgrades, communications systems, etc.. It will also complete a variety of studies and analyses, including evaluating new Information Technology (IT) infrastructure technologies, in support of future system upgrades.

Several systems have undergone system level testing. The F-15 Suite 1.3.4 completed operational testing. The F-15 OT report rated the system "effective and suitable" and noted a "significant improvement in system stability & installation". The F-15 was fielded in Jun 08. The F-15 v2.0 completed contractor formal qualification testing and entered system development testing and v2.1 completed it's Critical Design Review. The B-1 v3.0 completed operational testing in Sep 09, while follow-on versions v4.0 completed CDR and v5.0 completed PDR. The F-16 Block 40/50 M4.2+ completed system level DT and received OSD Milestone Decision Authority approval to enter OT. The B-1 completed operational testing and was rated "effective, suitable, and effective". The new JMPS framework (v1.4) completed a fly-off competition and a down-select decision was achieved. F-22 development continued with Inc 2.0 and 3.1 completing Formal Qualification Testing. TASM Spiral 1.a completed Critical Design Review.

The Mission Planning Systems program is in Budget Activity 7 because it provides for development of technologies and capabilities to support and ultimately replace the currently fielded PFPS and Unix-MPS systems.

	B. Accomplishments/Planned Program ($ in Millions)	FY 2008	FY 2009	FY 2010
(U)	Increment III - Continues the migration of mission planning capability to JMPS	25.677	4.160	0.498
(U)	Increment III - Test, Training, and Certification	2.554	0.442	0.053
(U)	Increment III - FFRDC (Mitre)	1.865	0.298	0.036
(U)	Increment III - Program Office Support	3.694	0.460	0.061
(U)	Increment IV - Continues the migration of Mission Planning capability to JMPS	48.931	59.519	43.522
(U)	Increment IV - Test, Training, and Certification	4.867	6.318	4.647

Exhibit R-2a, RDT&E Project Justification		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE: 3858 Mission Planning Systems (MPS)

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

		FY 2008	FY 2009	FY 2010
(U)	Increment IV - FFRDC (Mitre)	3.553	4.270	3.138
(U)	Increment IV - Program Office Support	7.040	6.580	5.294
(U)	MPS Modernization	1.685	13.298	33.072
(U)	JPADS	1.800		
(U)	Total Cost	101.666	95.345	90.321

(U) C. Other Program Funding Summary ($ 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 Cost
(U)	Other Appn										
(U)	OPAF PE 0208006F (Other Procurement Air Force, WSC 833040, Theater Air Control System Improvement)	9.446	14.405	11.459						Continuing	TBD

(U) D. Acquisition Strategy

Mission Planning Systems utilizes an evolutionary acquisition approach to develop and deliver an interoperable, network-centric, mission planning system tailored for numerous Air Force platforms using competition and multiple contract vehicles.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: **May 2009**

BUDGET ACTIVITY: **07 Operational System Development**

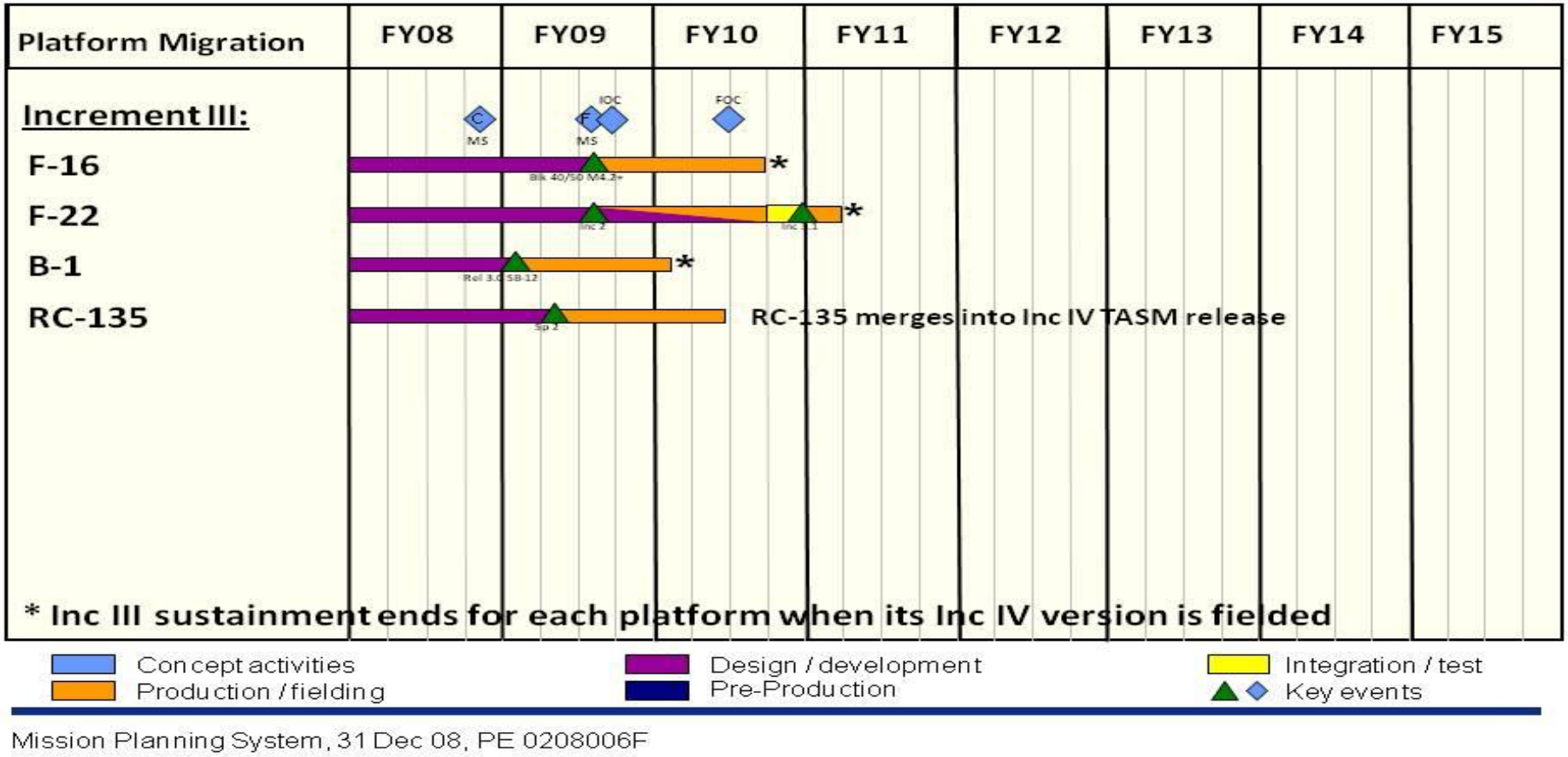
PE NUMBER AND TITLE: **0208006F Mission Planning Systems**

PROJECT NUMBER AND TITLE: **3858 Mission Planning Systems (MPS)**

(U)	Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2008 Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U)	Product Development												
	Mission Planning Enterprise Contract	C/Various	Various	179.168	59.301	Nov-07	52.303	Nov-08	38.037		Continuing	TBD	TBD
	Systems Engineering and Integration	C/Various	Various	48.304	15.590	Nov-07	13.314	Nov-08	13.475		Continuing	TBD	TBD
	MPS Modernization	C/Various	Various		0.998		8.820	Nov-08	16.485		Continuing	TBD	TBD
	JPADS	C/Various	Various		1.800						Continuing	TBD	TBD
	Subtotal Product Development			227.472	77.689		74.437		67.997		Continuing	TBD	TBD
	Remarks:												
(U)	Support												
	Software Engineering Institute (SEI)	C/T&M	Pittsburgh, PA	0.325	0.325	Nov-07	0.300	Nov-08	0.300		Continuing	TBD	TBD
	Tecolote	C/T&M	Bedford, MA	0.757	0.757	Nov-07	0.787	Nov-08	0.700		Continuing	TBD	TBD
	Subtotal Support			1.082	1.082		1.087		1.000		Continuing	TBD	TBD
	Remarks:												
(U)	Test & Evaluation												
	46TW	PO	Eglin AFB, FL	5.738	6.332	Nov-07	6.463	Nov-08	6.661		Continuing	TBD	TBD
	JITC	FFP/CPAF	Indian Head, MO	0.055	0.076	Jan-08	0.058	Jan-09	0.061		Continuing	TBD	TBD
	Type I Training	FPAF	Hill AFB, UT	1.223	1.140	Nov-07	1.174	Nov-08	1.209		Continuing	TBD	TBD
	Subtotal Test & Evaluation			7.016	7.548		7.695		7.931		Continuing	TBD	TBD
	Remarks:												
(U)	Management												
	FFRDC (MITRE)	SS/T&M	Bedford, MA	5.700	5.511	Nov-07	5.200	Nov-08	5.356		Continuing	TBD	TBD
	Program Office Support	C/T&M	Various	9.305	9.836	Nov-07	6.926	Nov-08	8.037		Continuing	TBD	TBD
	Subtotal Management			15.005	15.347		12.126		13.393		Continuing	TBD	TBD
	Remarks:												
(U)	Total Cost			250.575	101.666		95.345		90.321		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE: 3858 Mission Planning Systems (MPS)

Mission Planning Systems Increment III Program Schedule



Mission Planning System, 31 Dec 08, PE 0208006F

Exhibit R-4, RDT&E Schedule Profile		DATE May 2009
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)

Mission Planning Systems Increment IV Program Schedule

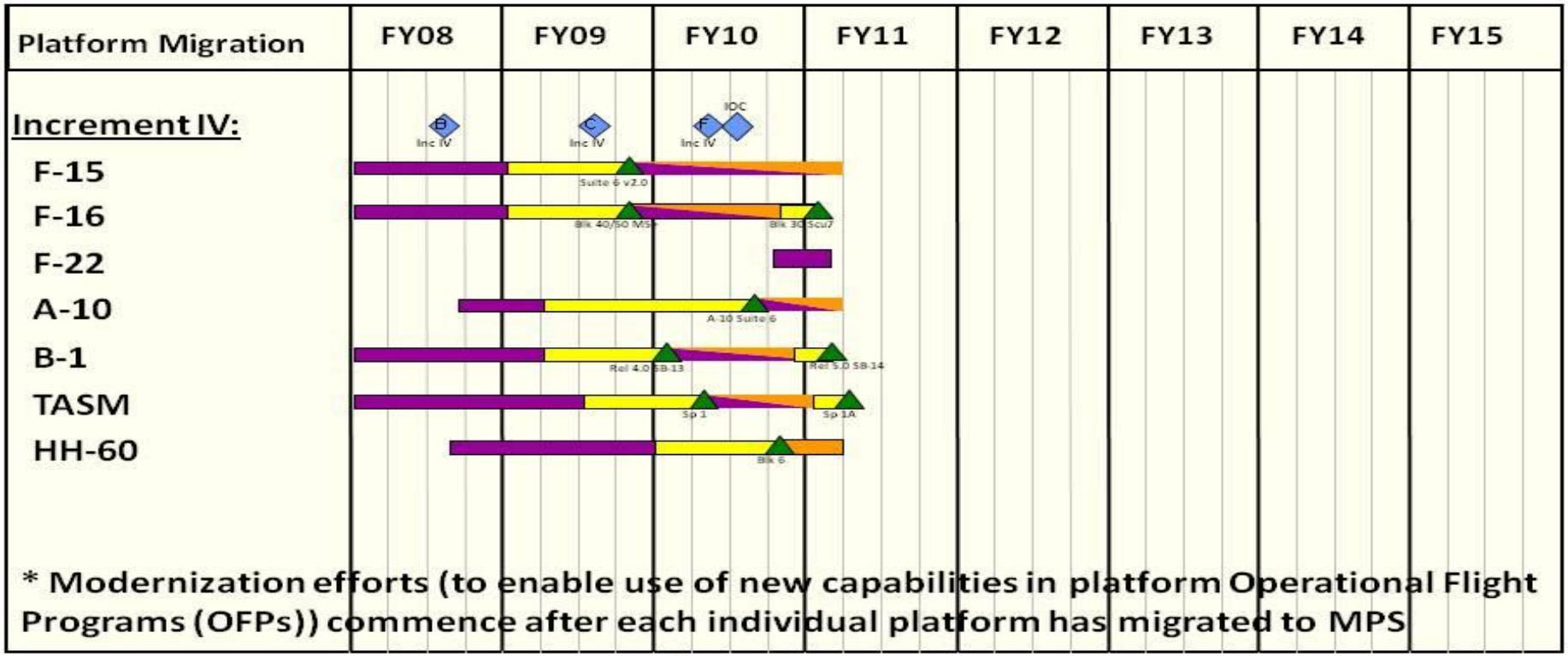


Exhibit R-4a, RDT&E Schedule Detail		DATE May 2009
BUDGET ACTIVITY **07 Operational System Development**	PE NUMBER AND TITLE **0208006F Mission Planning Systems**	PROJECT NUMBER AND TITLE **3858 Mission Planning Systems (MPS)**

(U) **Schedule Profile**	FY 2008	FY 2009	FY 2010
(U) Increment III			
(U) - Milestone C	4Q		
(U) - B-1 SB-12 MPE Release		1Q	
(U) - FDDR		3Q	
(U) - IOC		3Q	
(U) - F-16 (Block 40, M4.2+ and Block 50, M4.2+) MPE Release		3Q	
(U) - FOC			2Q
(U) Increment IV			
(U) - Milestone B	3Q		
(U) - Milestone C		3Q	
(U) - F-15 Suite 6 MPE Release		4Q	
(U) - TASM Spiral 1 MPE Release			2Q
(U) - FDDR			2Q
(U) - IOC			3Q
(U) - A-10 Suite 6 Fielding			3Q

Exhibit R-2a, RDT&E Project Justification

DATE: May 2009

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0208006F Mission Planning Systems

PROJECT NUMBER AND TITLE: 5302 Precision Aerial Delivery System

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
5302	Precision Aerial Delivery System	0.000	1.951	1.674	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		

PADS FY08 funding ($1.800) is included in Project 3858. PADS FY09 and outyear funding is included in Project 5302.

(U) A. Mission Description and Budget Item Justification

The JPADS System of Systems (SoS) capability provides a planning and execution capability for DoD airdrop requirements. It is the primary airdrop mission planning and execution system when the mission profile or surface-to-air threat assessment warrants high-altitude and/or standoff precision delivery. JPADS enables high-altitude, precise airdrop delivery to forward ground forces, mitigating surface-to-air threats reducing risk of IED & insurgent attack on ground convoys. JPADS allows the warfighter to consider weather, terrain, aircraft capabilities, threat, etc… to accurately deliver payload.

JPADS capability is a collaborative effort among multiple services in the DOD, with the Army and the AF responsible for delivering the majority of the capability. The USAF JPADS-MP provides all software and hardware required to execute guided and unguided cargo and personnel, Military Free Fall, [MFF] missions. The USAF JPADS-MP System consists of three major components: (1) The Mission Planning System (MPS), (2) the Mission Support Equipment (MSE) and (3) the dropsondes. The MPS consists of three items:(1) the regular mission planning laptop for ground and in-flight use funded in project 3858 and (2) the regular mission planning removeable storage device also funded in project 3858 and (3) the highly specialized JPADS-MP software that enables the aircrew to calculate a precise computed air release point (CARP) for ballistic loads and a launch acceptability region (LAR) for guided systems. The JPADS aircraft Mission Support Equipment (MSE) consists of a GPS Retransmit Subsystem (GPS-RTS), a UHF Dropsonde Receive Subsystem (UHF-DRS) and a GPS-based Dropsonde. The MSE is a roll-on/roll-off capability to perform a JPADS mission. It provides near real time wind data to the MPS and it provides a GPS signal to the dropsonde and AGU payload.

MSE Block 4 builds upon the relatively mature MSE by adding additional environmental robustness requirements. FY10 provides initial funding for refactoring of the JPADS-MP rapidly fielded weather capability. This effort, combined with a refactored weather code, will interface with the JMPS framework.

Precision Aerial Delivery Systems is in Budget Activity 7 because it provides for development of technologies and capabilities to replace fielded airdrop systems that utilize Portable Flight Planning Software (PFPS).

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

		FY 2008	FY 2009	FY 2010
(U)	Mission Planning Subsystem		1.951	1.674
(U)	Total Cost	0.000	1.951	1.674

(U) C. Other Program Funding Summary ($ 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 Cost
(U)	OPAF PE 0208006F (Other Procurement Air Force WSC 83040, Theater Air Control	8.082	16.533	16.639						Continuing	TBD

Exhibit R-2a, RDT&E Project Justification		DATE May 2009
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE 5302 Precision Aerial Delivery System

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

System Improvement BPAC
833049)

(U) D. Acquisition Strategy

PADS utilizes an evolutionary acquisition approach to develop and deliver a common, interoperable, net-centric system for both precision and non-precision airdrop using multiple contract vehicles.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: May 2009

BUDGET ACTIVITY: 07 Operational System Development

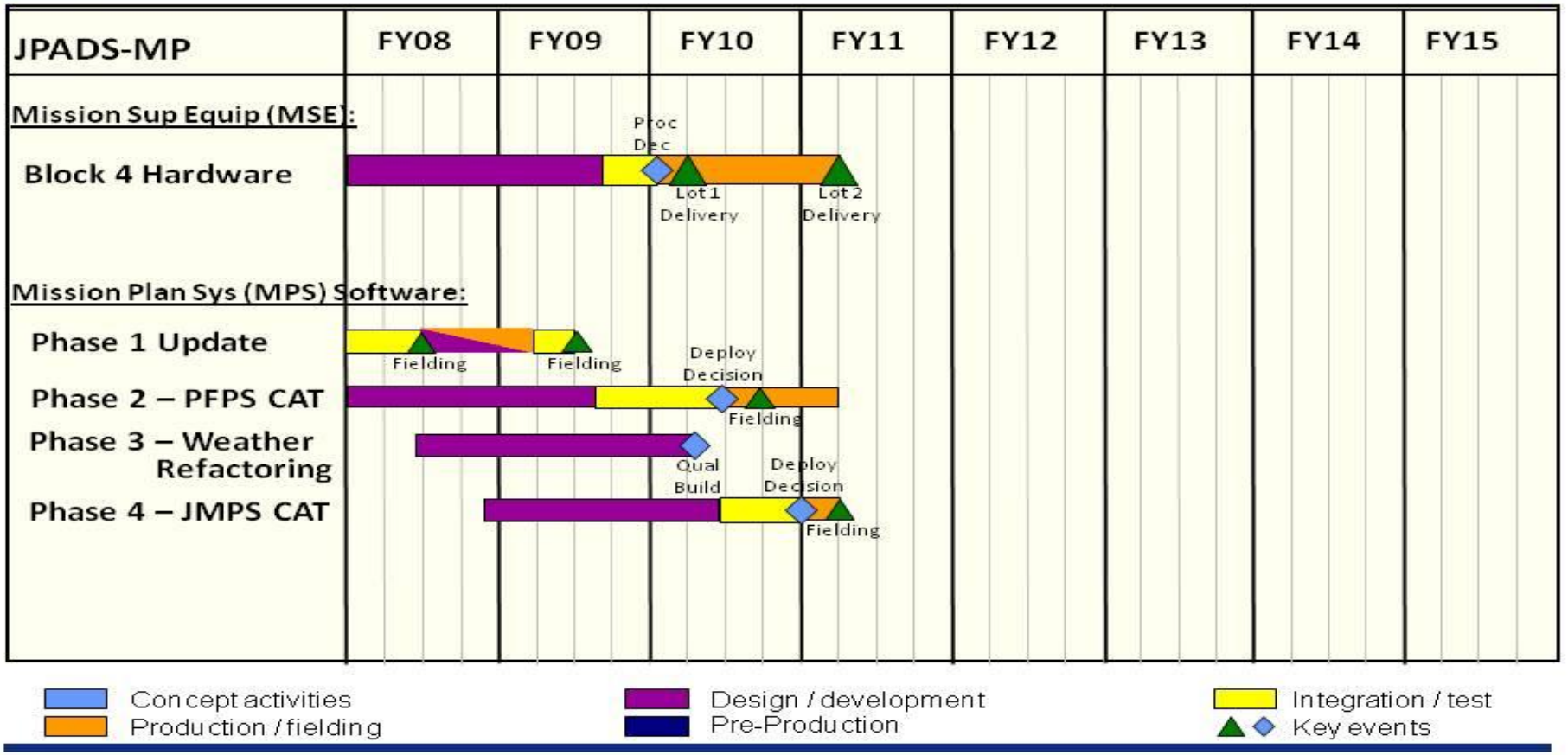
PE NUMBER AND TITLE: 0208006F Mission Planning Systems

PROJECT NUMBER AND TITLE: 5302 Precision Aerial Delivery System

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2008 Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development												
MPS Contracts (Tybrin)	C/T&M	Ft Walton Beach, FL				1.951		1.674	Nov-09	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		1.951		1.674		Continuing	TBD	TBD
Remarks:												
(U) Support												
											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Test & Evaluation												
46 Test Squadron	C/T&M	Eglin, AFB								Continuing	TBD	TBD
											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		Continuing	TBD	TBD
Remarks:												
(U) Management												
											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	0.000		1.951		1.674		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE: 5302 Precision Aerial Delivery System

Joint Precision Airdrop System-Mission Planning Program Schedule



Mission Planning System, 31 Dec 08, PE 0208006F

Exhibit R-4a, RDT&E Schedule Detail		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE: 5302 Precision Aerial Delivery System

(U) Schedule Profile	FY 2008	FY 2009	FY 2010
(U) MSE Blk 4 Design & Development	1-4Q	1-3Q	
(U) MSE Blk 4 Testing		3-4Q	
(U) MPS Phase 1/Phase 1 Update Initial Interface with PFPS Fielding		3Q	
(U) MSE Blk 4 Procurement Decision			1Q
(U) MPS Phase 2 Consolidated Air Drop Tool for PFPS Fielding			3Q
(U) MPS Phase 3 Weather Capability Refactoring Qual Build			2Q