#### PE NUMBER: 0305160F PE TITLE: Defense Meteorological Satellite Program

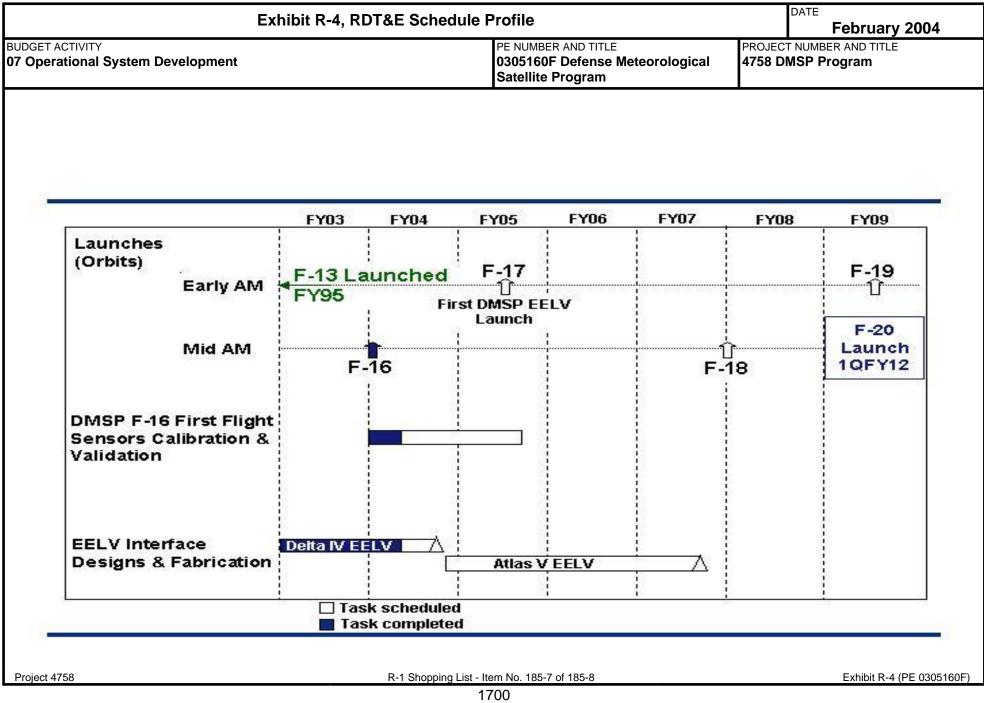
	Exhit	oit R-2, RDT	&E Budge	t Item Just	tification			DATE	February	2004
	BUDGET ACTIVITY       PE NUMBER AND TITLE         D7 Operational System Development       0305160F Defense Meteorological Satellite Program									
	Cost (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to	Total
	Cost (\$ in Winnons)	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
	Total Program Element (PE) Cost	5.031	0.907	0.000	0.000	0.000	0.000	0.000	0.000	897.918
4758	B DMSP Program	5.031	0.907	0.000	0.000	0.000	0.000	0.000	0.000	897.918
	The Defense Meteorological Satellite Pro- timely and accurate global weather inform resources in any operational battlespace. (nm) constant resolution) and other meteor 450nm polar-orbit at all times (sun-synch Block 5D3 satellite (with legacy sensors) plus sensors) and was the last DMSP to la Expendable Launch Vehicle (EELV) boos This program is in Budget Activity 7, Ope	nation. DMSP is DMSP is DoD's prological, ocean ronous means th and was launch nunch on a Titan sters (either Atla	s a critically in s only assured s nographic, land he satellites cro ed on a Titan-I I-II booster. Th as or Delta).	nportant tool er source of globa surface, and sp ss the equator a I booster in De ne remaining D	habling comman al weather data p pace environme at the same loca ac 99. DMSP F DMSP satellites,	nders to effective providing visible ental data. At least al sun time on e -16, launched C F-17 through I	vely employ we le and infrared east two satellit ach of their 14 Oct 03, is the fin F-20, are all ma	eapon systems cloud cover in tes are required orbits/day). D rst 'full-up' Blo mifested to lau	and protect Do nagery (1/3 nau 1 in sun-synchro DMSP F-15 was ock 5D3 (spaced	D tical miles onous, the first craft bus
(U)	<b>B. Program Change Summary (\$ in Mil</b>	<u>llions)</u>					<u>FY 2003</u>		<u>2004</u>	<u>FY 2005</u>
(U)	Previous President's Budget						3.816		).918	
U)	Current PBR/President's Budget						5.031		).907	
(U)	Total Adjustments						1.215		0.011	
(U)	Congressional Program Reductions Congressional Rescissions Congressional Increases Reprogrammings						1.215	-(	).011	
(U)	SBIR/STTR Transfer Significant Program Changes: Funding: Additional \$1.215M required in	FY2003 for F-1	6 Calibration a	and Validation	and Titan II suj	pport as a resul	t of launch dela	ays.		
	Schedule: F-16 was launched in Oct 03 (p sensors. F-17 is on track for 3QFY05 laun						chnical probler	ms with the bo	oster, satellite, a	and
	Technical: DMSP F-18 was moved to the	Atlas V EELV	booster rather t	than the Delta l	IV EELV.					
			R-1 Sho	pping List - Item	No. 185-2 of 185	-8			Exhibit R-2 (	PE 0305160F)

	Ex	hibit R-2a, I	RDT&E Pro	oject Justi	fication			DAT	E February	2004
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND 0305160F Def Satellite Prog	ense Meteoro		OJECT NUMBER AND TITLE 58 DMSP Program		
	Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4758	B DMSP Program	5.031	0.907	0.000		0.000	0.000			897.918
	Quantity of RDT&E Articles	0	0	0	0	0	0	(	)	
(U)	<b>A. Mission Description and Budget Ite</b> The Defense Meteorological Satellite Pre- timely and accurate global weather infor- resources in any operational battlespace. (nm) constant resolution) and other meter 450nm polar-orbit at all times (sun-synch Block 5D3 satellite (with legacy sensors) plus sensors) and was the last DMSP to be Expendable Launch Vehicle (EELV) boo This program is in Budget Activity 7, Operation	ogram (DMSP) i mation. DMSP DMSP is DoD' corological, ocea hronous means t ) and was launch launch on a Titar osters (either Atl	is a critically in s only assured a nographic, land he satellites cro red on a Titan-I n-II booster. Th as or Delta).	nportant tool e source of glob l surface, and s oss the equator II booster in D he remaining I	enabling comma bal weather data space environme at the same loca ec 99. DMSP F DMSP satellites	nders to effecti providing visib ental data. At le al sun time on e 5-16, launched C , F-17 through I	vely employ v le and infrared east two satell each of their 1- Det 03, is the f F-20, are all m	veapon system I cloud cover i ites are require 4 orbits/day). ïrst 'full-up' B anifested to la	s and protect Do magery (1/3 nau ed in sun-synchro DMSP F-15 was lock 5D3 (spaced	D tical miles onous, the first craft bus
(U) (U) (U)	<b>B. Accomplishments/Planned Program</b> Continue system integration and test, stud Continue EELV interface design (transitio Complete F-16 5D3 sensor calibration and Total Cost	(\$ in Millions) lies, and related on to EELV)	-					<u>7 2003</u> 2.886 0.335 1.810 5.031	FY 2004 0.611 0.050 0.246 0.907	<u>FY 2005</u> 0.000
	C. Other Program Funding Summary	Y 2003 F		<u>FY 2005</u>	FY 2006	<u>FY 2007</u>	FY 2008	<u>FY 2009</u>	<u>Cost to</u>	Total Cost
(U) (U)	AF RDT&E Other APPN Missile Procurement/PE 0305160F (Budget Activity 5, Line Item P-33)		stimate <u>1</u> 67.469	Estimate 74.201	<u>Estimate</u> 66.829	<u>Estimate</u> 68.967	<u>Estimate</u> 74.344	<u>Estimate</u> 70.667	<u>Complete</u> 150.104	2,729.869
	Related RDT&E: PE 0603434F, National Polar-orbiting Op PE 0305160N, Navy Meteorological and					Navy unique st	udies)			
(U)	<b>D.</b> Acquisition Strategy									
Proj	ect 4758		R-1 Sho		n No. 185-3 of 185	5-8			Exhibit R-2a (	PE 0305160F)
				169	96					

Exhibit R-2a, RDT&E Project Justification February 200							
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305160F Defense Meteorolo Satellite Program	PROJECT NUMBER AND TITLE <b>4758 DMSP Program</b>					
	asors, ground systems, and supporting software have been awarded s been completed. Remaining effort is to continue spacecraft and se						
Project 4758	R-1 Shopping List - Item No. 185-4 of 185-8	Exhibit R-2a (PE 0305160F)					

	hibit R-3, RD	T&E Project Cost							DATE	Februa		4
BUDGET ACTIVITY D7 Operational System Development			PE NUMBE 0305160I Satellite	- Defens	e Mete	orolog	ical			BER AND TIT Program	LE	
U) Cost Categories	Contract Method	Performing Activity &	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	Cost to	<u>Total</u>	Targe
(Tailor to WBS, or System/Item	<u>&amp; Type</u>	Location	Prior to FY	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	Complete	<u>Cost</u>	Value o
Requirements)			<u>2003</u>	<u>Cost</u> <u>A</u>	ward	<u>Cost</u>	Award	<u>Cost</u>	<u>Award</u>			<u>Contra</u>
(\$ in Millions)			<u>Cost</u>		Date		Date		<u>Date</u>			
U) Product Development												
Lockheed -Martin	SS/CPAF		3.764							0.000	3.764	
Lockheed-Martin	SS/CPAF		10.553	0.573 M	lay-97	0.511	Jun-02				11.637	
Northrop-Grumman (CSS&S)	SS/CPAF		11.884	0.712 M	lay-00						12.596	
Lockheed-Martin	C/CPAF		39.513							0.000	39.513	
Lockheed-Martin	C/CPAF		1.723	0.335 Ju	un-02	0.050					2.108	
Harris (SSMIS/STT SW)	C/CPAF		8.617							0.000	8.617	
Det 11/GSA (Mark IVB P3I)	MIPR		2.986							0.000	2.986	
Lockheed-Martin (Titan II Msn Unique	SS/CPAF		5 9 5 9	0 700 0						0.000	6.050	
Studies)			5.358	0.700 C	Oct-02					0.000	6.058	
Boeing (EELV Msn Unique Studies &	SS/CPAF		1 50 4							0.000	1 (25	
Services)			1.534	0.093 O	Oct-02					0.000	1.627	
Aerojet	SS/CPAF		2.530							0.000	2.530	
Aerojet	C/CPAF/FFP		85.979								85.979	
Aerojet (SSM/TW/IS S&S & Model + SSMIS)	SS/CPAF		2.183							0.000		
Raytheon, formerly Hughes (SSMI Spt &	SS/CPFF		0.236							0.000	0.236	
Svc)												
AFRL	MIPR/PD		5.289							0.000	5.289	
NRL	MIPR/Var		14.051	0.250 O	Oct-02						14.301	
APL	MIPR/Var		3.538							0.000	3.538	
SMC (Det 3 SSSG/NPOESS)	FCA/MIPR		2.506							0.000	2.506	
Sandia	MIPR/Var		0.820							0.000	0.820	
NOAA			0.034							0.000	0.034	
Other	Various		4.811	1.560 O	Oct-02	0.246				0.000	6.617	
Historical Satellite Blocks	Various		583.786								583.786	
NONE											0.000	
Subtotal Product Development Remarks:			791.695	4.223		0.807		0.000		0.000	796.725	0.00
Project 4758		R-1 Shopping List - I	tem No. 185-5	of 185-8						Exhibit R	-3 (PE 03	05160F

	Exhibit R-3, RDT&E F	Project Cost Analysis	<b>i</b>			DATE February 20	)4
BUDGET ACTIVITY 07 Operational System Developm	ent	0305160	R AND TITLE <b>F Defense Met</b> e <b>Program</b>		PROJECT NUMBER AND TITLE 4758 DMSP Program		
(U) <u>Support</u>							
FFRDC	AF 277	25.304	0.319 Oct-02			25.623	
PRC/BD Systems/TASS	C/CPAF	9.515				0.000 9.515	i
Program Mgmt		22.720				0.000 22.720	
Litigation Support		1.809				0.000 1.809	1
Other	Various	2.407	0.489 Oct-02	0.100 Oct-03		0.000 2.996	, ,
Historical Satellite Blocks	Various	38.530				0.000 38.530	)
NONE						0.000	)
Subtotal Support		100.285	0.808	0.100	0.000	0.000 101.193	
Remarks:							
U) Test & Evaluation							
NONE						0.000	
NONE						0.000	
Subtotal Test & Evaluation		0.000	0.000	0.000	0.000	0.000 0.000	
Remarks:			0.000	01000	0.000		0.00
(U) <u>Management</u>							
() <u>genne</u>						0.000	
Subtotal Management		0.000	0.000	0.000	0.000	0.000 0.000	
Remarks:		0.000	0.000	0.000	0.000	0.000 0.000	0.00
(U) Total Cost		891.980	5.031	0.907	0.000	0.000 897.918	<b>0.00</b>
		0,1,700	5.051	0.707	0.000	0.000 07771	0.00
Project 4758	R-	-1 Shopping List - Item No. 185-6	of 185-8			Exhibit R-3 (PE 0	305160F



UNCLASSIFI	ED
------------	----

Exhibit R-	DATE February 2004	
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305160F Defense Meteorological Satellite Program	PROJECT NUMBER AND TITLE 4758 DMSP Program
(U) Schedule Profile (U) F-16 Satellite Launch (U) F-17 Satellite Launch	FY 2003	FY 2004         FY 2005           1Q         3Q
Project 4758	R-1 Shopping List - Item No. 185-8 of 185-8	Exhibit R-4a (PE 0305160F)