

EXHIBIT R-2, RDT&E Budget Item Justification						DATE:	
APPROPRIATION/BUDGET ACTIVITY						February 2008	
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5						R-1 ITEM NOMENCLATURE	
						0604264N, AIRCREW SYSTEMS DEVELOPMENT	
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	13.563	23.749	16.192	13.630	10.674	2.755	2.746
0606 AIRCREW SYSTEMS DEVELOPMENT	12.155	23.749	16.192	13.630	10.674	2.755	2.746
9999 CONGRESSIONAL ADD	1.408						

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Aircrew Systems Development program provides engineering and manufacturing development (EMD) of Aviation Life Support Systems to protect aircrews from current and future threats including: directed energy weapons, chemical/biological/radiological agents/fallout, ballistic projectiles, temperature extremes, heat/fire, low concentration oxygen environments, high dynamic forces during emergency egress, and high "G" forces. The program also provides development for the following capabilities: head protection, in flight restraint and stability emergency egress and descent, escape and evasion, survival and rescue, crash protection, and anthropometric sizing for small aircrew. Acquisition initiatives include: competition, the application of streamlining initiatives, use of non-developmental items (NDI), joint and tri-service developments, and the pursuit of NATO/allied cooperative ventures, which expedite introduction of new products into Navy and Marine Corps fixed and rotary wing aircraft, reduce costs, and promote commonality.

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5

0604264N, AIRCREW SYSTEMS DEVELOPMENT

B. PROGRAM CHANGE SUMMARY

Funding:	FY 2007	FY 2008	FY 2009
Previous President's Budget:	13.832	24.267	16.409
Current President's Budget:	13.563	23.749	16.192
Total Adjustments	-0.269	-0.518	-0.217

Summary of Adjustments

Congressional Reductions			
Congressional Rescissions			
Congressional Undistributed Reductions	-0.269	-0.154	
Congressional Increases			
Economic Assumptions			-0.118
Miscellaneous Adjustments		-0.364	-0.099
Subtotal	-0.269	-0.518	-0.217

SCHEDULE: Minor programs with small amounts of funding were deleted from schedule for clarity. Important changes are as follows:

	FROM	TO	REASON
1. Acquisition Milestone Changes:			
a. CMARS - MS C	4Q 10	1Q 11	Aligned to coincide with current acquisition strategy
b. LEP (JALEPV) - MS C	4Q 08	2Q 09	Delay due to low product yield and producibility
c. LEP (JALEPV) - FRP	4Q 08	4Q 10	Delay due to low product yield and producibility
2. Test and Evaluation Changes:			
a. JHMCS NVCD - DT/OT	1Q 08-3Q 10	1Q 07-4Q 09	Rebaseline to JHMCS NVCD and aligned with joint USAF/USN program
b. CWTS - DT	1Q 06-1Q 09	3Q 09-4Q 09	Defined T&E requirements for non-UH-1Y platforms
c. CMARS - DT/OT	1Q 08-3Q 10	4Q 08-1Q 10	Aligned to coincide with current acquisition strategy and refinement of T&E requirements
3. Production Milestone Changes:			
a. ESIRP - DEL	1Q 08-4Q 13	3Q 09-4Q 13	Delays in contract award
b. CWTS - DEL	1Q 06-4Q 13	1Q 10-4Q 13	Realigned with non-UH-1Y aircraft installation schedule
c. CMARS - DEL	3Q 11-4Q 13	4Q 11-4Q 13	Realigned with H-53 modification schedule
e. EJECTION SEAT ENDURANCE - DEL	1Q 08-1Q 11	4Q 08-4Q 10	Source selection now planned for 2Q 08 in accordance with current acquisition strategy

EXHIBIT R-2a, RDT&E Project Justification

DATE:
February 2008

APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604264N, AIRCREW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 0606, AIRCREW SYSTEMS DEVELOPMENT			
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
0606 AIRCREW SYSTEMS DEVELOPMENT	12.155	23.749	16.192	13.630	10.674	2.755	2.746	
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

AIRCREW MOUNTED SYSTEMS: Extreme Cold Weather Improvement Program/State of the Art (ECWIP/SOA), Night Vision Systems (NVS), Joint Helmet Mounted Cueing System (JHMCS) Night Vision Cueing and Display (NVCD), Wide Field of View (WFOV), Night Vision Goggle (NVG), JHMCS Night Attack, Agile Frequency Laser Eye Protection (AFLEP), Laser Eye Protection Improvement Program (LEPIP), Joint Aircrew Laser Eye Protection Visor (JALEPV), Waste Management, Hydration, Universal Camouflage, Survival Vest & Armor, Common Helmet, JHMCS Night Vision Cueing Display, Non-Ejection Wide Field of View (WFOV) Night Vision Goggles (NVG), Ejection (Non-JHMCS) Wide Field of View (WFOV) Night Vision Goggles (NVG), Improved Hearing Protection, Flight Deck Cranial, Escape System Injury Reduction Program (ESIRP).

AIRCREW MOUNTED SYSTEMS: AIRCREW ENDURANCE includes SURVIVAL VEST and ARMOR, UNIVERSAL CAMOUFLAGE, WASTE MANAGEMENT, and HYDRATION. JHMCS NVCD includes JHMCS NIGHT ATTACK. FLIGHT DECK CRANIAL includes IMPROVED HEARING PROTECTION. LASER EYE PROTECTION includes JALEPV, AFLEP, and LEPIP. WIDE FIELD OF VIEW (WFOV) NIGHT VISION GOGGLE (NVG) includes both EJECTION (NON-JHMCS) WFOV NVG and NON-EJECTION WFOV NVG. COMMON HELMET includes INTEGRATED DAY/NIGHT ALL WEATHER HELMET. Extreme Cold Weather Improvement Program/State of the Art (ECWIP/SOA) will now be known as State of the Art (SOA).

AIRCRAFT MOUNTED SYSTEMS: Escape System Injury Reduction Program (ESIRP), Crashworthy Troop Seat (CWTS), Common Mobile Aircrew Restraint System (CMARS), formerly Mobile Aircrew Restraint System (MARS), Seat Endurance (SE), Liquid Oxygen to On-board Oxygen Generating System (LTO), Advanced Crash Protection Systems (ACPS), Ejection Seat Endurance (ESE).

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

Improved Aircrew Endurance	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	.846	9.321	12.213
RDT&E Articles Qty			

AIRCREW MOUNTED SYSTEMS:

SOA: Continued evaluation and authorization of state of the art survival and clothing items. AIRCREW ENDURANCE includes: Waste Management: Testing and approval of Mission Extender Device to allow bladder relief without removal of seat safety harness and equipment. Universal Camouflage: Development and approval of a universal color for ALSS equipment that allows mission deployment to multiple terrain conditions without the need to obtain equipment in different colors. Hydration: Integration of water reservoirs and filtration systems with ALSS equipment. Survival Vest and Armor: Upgrading the vest and armor to reduce weight and bulk through new materials, revised design, new survival items, updating survival items carried for improved capability in current theatres of operations. Common Helmet: Prepare and update required documentation (e.g. system engineering plan, acquisition plan, test plans) and conduct laboratory testing, development testing, aircraft system integration testing, fleet verification and demonstration, and system evaluation. JHMCS NVCD: Continue the joint USAF/USN developmental flight test of the JHMCS NVCD system. Conduct laboratory testing, development testing, aircraft system integration testing, operational test and evaluation, and other pre-Milestone C events. WIDE FIELD OF VIEW NVG includes: Non-Ejection WFOV NVG: Prepare and update required documentation (e.g. system engineering plan, acquisition plan, test plans), procure units to conduct laboratory testing, development testing, aircraft system integration testing, fleet verification and demonstration, and system evaluation. EJECTION (NON-JHMCS) WFOV NVG: Initiate USN specific system planning, ground, airborne development test and evaluation, and operational test and evaluation for ejection seat NVG platforms. JHMCS Night Attack: Continue development and operational test and evaluation for JHMCS Night Attack standard and Wide Field of View (WFOV) system for the F/A-18 aircraft. FLIGHT DECK CRANIAL includes: Improved Hearing Protection: Prepare and update required documentation (e.g. system engineering plan, acquisition plan, test plans), procure units to conduct laboratory testing, development testing, aircraft system integration testing, fleet verification and demonstration, and system evaluation. Flight Deck Cranial: Prepare and update required documentation (e.g. system engineering plan, acquisition plan, test plans), procure units to conduct laboratory testing, development testing, aircraft system integration testing, fleet verification and demonstration, and system evaluation. LASER EYE PROTECTION (LEP) includes: Agile Frequency Laser Eye Protection (AFLEP): Procure units to conduct laboratory testing, development testing and aircraft system integration testing, fleet verification and demonstration and system evaluation. Prepare and update required documentation. Joint Aircrew Laser Eye Protection Visor (JALEPV): Procure units to conduct laboratory testing, development testing and aircraft system integration testing, fleet verification and demonstration and system evaluation. Prepare and update required documentation.

APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604264N, AIRCREW SYSTEMS DEVELOPMENT	PROJECT NUMBER AND NAME 0606, AIRCREW SYSTEMS DEVELOPMENT
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Enhanced Aircraft Safety Systems	FY 2007	FY 2008	FY 2009
Accomplishments / Effort / Sub-total Cost	11.309	14.428	3.979
RDT&E Articles Qty			

AIRCRAFT MOUNTED SYSTEMS:

ESIRP: Continuing fleet assessment of aircrew endurance modifications for F/A-18 aircraft and develop ECP. Complete FCA. CWTS: Transition SBIR concept for H-60 crashworthy troop seats. Develop concept through PDR. CMARS: Leverages existing technology and integrates webbing retractor system into all front line rotary wing aircraft. Design also includes new AIRSAVE aircrew interface. Developmental testing continues for new aircrew mounted interface. Source selection for retractor. Contract award planned for 2 Qtr FY08. Continue work on aircraft integration for MH-53 aircraft. SE: Planning for source selection and contract award in 2nd Qtr FY08 for new generation of endurance systems to be retrofit in front line "non-ejection seat" equipped aircraft. LTO: Contract awarded to Northrop Grumman for the design, development, qualification and integration of OBOGS for the Advanced Hawkeye. Completion of qualification and ECP development for replacement concentrator. ACPS: Planning for integration studies and leveraging Army Blackhawk Cockpit Airbag Systems for use in Navy rotary wing aircraft to start in FY08. ESE: Ejection seat endurance design and PDR for non-NACES platforms. Contract award planned for 1 Qtr FY08.

C. OTHER PROGRAM FUNDING SUMMARY:

	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	To <u>Complete</u>	Total <u>Cost</u>
Aviation Life Support - OPN 424400	21.661	13.712	17.673	20.471	34.770	47.625	42.711	Continuing	Continuing
Aviation Life Support Mods - APN 057500	0.720	8.332	7.190	8.435	13.487	11.236	11.466	Continuing	Continuing

D. ACQUISITION STRATEGY:

Commercial Off-The-Shelf (COTS)/NDI where possible, cost plus award fee contracts. Majority of programs non-Acat programs.

Exhibit R-3 Cost Analysis (page 1)										DATE: February 2008			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME							
RDT&E,N / BA-5		0604264N, AIRCREW SYSTEMS DEVELOPMENT				0606, AIRCREW SYSTEMS DEVELOPMENT							
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
PRODUCT DEVELOPMENT													
Systems Eng SOA	WX	VARIOUS	.894	.397	02/07	.691	02/08	.814	02/09	2.343	5.139		
Systems Eng ADV CRASH PROTECTION	WX	NAWCAD, PATUXENT RIVER MD				.682	12/07	.219	12/08	.628	1.529		
Systems Eng ADV CRASH PROTECTION	WX	VARIOUS				.790	03/08				.790		
Systems Eng AIRCREW ENDURANCE	WX	NAWCAD, PATUXENT RIVER MD				1.226	12/07	1.320	12/08	4.293	6.839		
Systems Eng AIRCREW ENDURANCE	WX	TBD				.650	02/08	.550	12/08	.400	1.600		
Systems Eng CMARS	WX	TBD	.427			4.700	03/08	2.400	03/09	2.000	9.527		
Systems Eng CMARS	WX	VARIOUS	3.217								3.217		
Systems Eng COMMON HELMET	WX	VARIOUS				.100	12/07	.100	12/08	1.550	1.750		
Systems Eng CWTS	WX	NAWCAD, PATUXENT RIVER MD	.666	.075	02/07	1.085	03/08	.465	03/09	1.057	3.347		
Systems Eng CWTS	WX	NAWCWD, CHINA LAKE CA	.045								.045		
Systems Eng EJECTION (NON JHMCS) WFOV	WX	VARIOUS								3.416	3.416		
Systems Eng EJECTION SEAT ENDUR	WX	VARIOUS		1.358	02/07	.585	10/07				1.943		
Systems Eng ESIRP	SS/CPAF	MARTIN-BAKER A/CRT C, MIDDLESEX G	.828			1.225	12/07				2.053	2.053	
Systems Eng ESIRP	WX	VARIOUS	4.122	.086	02/07	.320	02/08	.295	02/09	1.058	5.881		
Systems Eng FLIGHT DECK CRANIAL	WX	NAWCAD, PATUXENT RIVER MD				1.100	12/07	.600	12/08	.100	1.800		
Systems Eng FLIGHT DECK CRANIAL	TBD	TBD				.250	02/08	.750	12/08	.250	1.250	1.250	
Systems Eng JHMCS NVCD	WX	NAWCAD, PATUXENT RIVER MD	1.738	.240	02/07	1.808	02/08	2.402	02/09	2.453	8.642		
Systems Eng JHMCS NVCD	WX	NAWCWD, CHINA LAKE CA	.365								.365		
Systems Eng LEP	TBD	TBD				1.250	02/08	1.450	02/09	2.277	4.977	4.977	
Systems Eng LEP	WX	VARIOUS	.147			.500	02/08	.644	02/09	2.388	3.679		
Systems Eng LTO	SS/CPAF	NORTHROP GRUMMAN SYS, NY	10.490	8.100	01/07	3.800	01/08				22.390	22.390	
Systems Eng LTO	WX	NAWCAD, PATUXENT RIVER MD	1.027	.518	02/07	.381	02/08				1.926		
Systems Eng SEAT ENDURANCE	WX	VARIOUS				.450	12/07	.600	12/08	.100	1.150		
Systems Eng WFOV	WX	NAWCAD, PATUXENT RIVER MD						1.601	12/08	1.408	3.009		
Systems Eng WFOV	WX	NAWCWD, CHINA LAKE CA						.150	12/08		.150		
Systems Eng WFOV	WX	NSWC DET, CRANE IN						.150	12/08	.300	.450		
SUBTOTAL PRODUCT DEVELOPMENT			23.966	10.772		21.593		14.511		26.021	96.863		
TEST & EVALUATION													
SUBTOTAL TEST & EVALUATION													
SUPPORT													
SUBTOTAL SUPPORT													
MANAGEMENT													
MGT & PROF SUPPT SRVC (NON-FFRDC)	C/CPFF	L-3 COMMUNICATIONS GOVERNMENT SERVICES, CHANTILLY, VA		.080	02/07	.080	02/08				.160	.160	
Mgt & Prof Sup Svc (NON-FFRDC) JHMCS NV	WX	VARIOUS	.041			.033	02/08	.033	02/09	.132	.239		
Program Mgmt Sup JHMCS	WX	VARIOUS	2.951	.193	02/07						3.144		
Program Mgmt Sup JHMCS NVCD	WX	NAVAIR, PAXTUXENT RIVER MD				1.175	12/07	.714	12/08	1.630	3.518		
Program Mgmt Sup JHMCS NVCD	WX	VARIOUS	.834	.017	02/07	.743	12/07	.809	12/08	1.522	3.925		
Program Mgmt Sup LTO	WX	VARIOUS	.136	1.008	02/07						1.144		
TRAVEL JHMCS JHMCS NVCD	WX	NAVAIR, PAXTUXENT RIVER MD						.125	12/08	.500	.625		
TRAVEL LTO	WX	NAVAIR, PAXTUXENT RIVER MD		.025	02/07	.125	02/08				.150		
Travel NACES	WX	NAVAIR, PAXTUXENT RIVER MD		.060	02/07						.060		
Travel NACES	WX	VARIOUS	.405								.405		
SUBTOTAL MANAGEMENT			4.367	1.383		2.156		1.681		3.784	13.370		
Total Cost			28.333	12.155		23.749		16.192		29.805	110.233		

Note: Totals may not add due to rounding

CLASSIFICATION:

EXHIBIT R4, Schedule Profile																				DATE: February 2008								
APPROPRIATION/BUDGET ACTIVITY								PROGRAM ELEMENT NUMBER AND NAME								PROJECT NUMBER AND NAME												
RDT&E,N / BA-5								0604264N, AIRCREW SYSTEMS DEVELOPMENT								0606, AIRCREW SYSTEMS DEVELOPMENT												
Fiscal Year	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones																												
AIRCREW ENDURANCE				△	△ MS B			△ PDR	△ PDR	△ CDR	△ CDR	△	△ MS C			△	FRP			△	△ IOC							
COMMON HELMET					△ MS B	△		△ PDR	△	△	△	△	△	△ MS C						△	FRP	△	△ IOC					
JHMCS NCVD					△ MS B	△	△ ADR	△ PDR	△	△	△	△	△	△ MS C/FRP			△	△ IOC		△								
FLIGHT DECK CRANIAL					△ MS B	△	△ ADR	△	△	△	△	△	△ MS C/FRP	△	△	△	△	△ IOC		△								
LEP(JALEPV)					△	△	△ ADR						△	△ MS C/FRP			△	△ FRP	△	△ IOC								
LEP(LEPIP)					△	△	△ MS B						△	△ MS C/FRP			△	△ FRP	△	△ IOC								
LEP(AFLEP)													△	△ MS C/FRP			△	△ FRP	△	△ IOC								
WFOV NVG									△	△ PDR			△	△ CDR			△	△ PDR		△	△	△ CDR	△ MS C			△	△ IOC	
Test & Evaluation Milestones																												
AIRCREW ENDURANCE									DT																			
COMMON HELMET													DT/OT				DT SPIRAL/NEW CH PRODUCTS, PLATFORM HMD											
JHMCS NCVD					DT/OT																							
FLIGHT DECK CRANIAL											DT																	
LEP(JALEPV)											DT																	
LEP(LEPIP)											DT																	
LEP(AFLEP)																												
WFOV NVG																	DT/OT											
Production Milestones																												
AIRCREW ENDURANCE																	DELIVERIES											
COMMON HELMET																	DELIVERIES				DELIVERIES							
JHMCS NVCD																	DELIVERIES											
FLIGHT DECK CRANIAL																	DELIVERIES											
LEP(JALEPV)																	DELIVERIES											
LEP(LEPIP)																	DELIVERIES											
LEP(AFLEP)																	DELIVERIES								DELIVERIES			
WFOV NVG																					DELIVERIES				DELIVERIES			
Deliveries																												

CLASSIFICATION:

EXHIBIT R4, Schedule Profile																								DATE: February 2008										
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME														
RDT&E,N / BA-5										0604264N, AIRCREW SYSTEMS DEVELOPMENT										0606, AIRCREW SYSTEMS DEVELOPMENT														
Fiscal Year	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013									
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Acquisition Milestones																																		
CMARS					MSB	△	△	PDR		△	CDR						△	MSC/FRP			△	IOC												
CWTS																	△	ADR/FRP																
EJECT SEAT ENDURANCE					MSC/FR	△	△	IOC	△	ADR																								
SEAT ENDURANCE						△	ADR																											
Test & Evaluation Milestones																																		
CMARS									DT/OT																									
CWTS													D T																					
LTO	DT/DT ASSIST																																	
EJECTION SEAT ENDURANCE																																		
SEAT ENDURANCE																																		
Production Milestones																																		
CMARS																																		
CWTS																																		
EJECTION SEAT ENDURANCE																																		
ESIRP																																		
SEAT ENDURANCE																																		
Deliveries																																		

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UNCLASSIFIED Exhibit R-4, Schedule Profile Detail						DATE: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-5	PROGRAM ELEMENT 0604264N, AIRCREW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 0606, AIRCREW SYSTEMS DEVELOPMENT		
Schedule Profile	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Aircrew Endurance - MS B		1Q					
Aircrew Endurance - PDR		4Q					
Aircrew Endurance - CDR			3Q				
Aircrew Endurance - MS C			4Q				
Aircrew Endurance - FRP				4Q			
Aircrew Endurance - IOC					3Q		
Aircrew Endurance - DT		2Q-4Q	1Q-4Q	1Q-3Q			
Aircrew Endurance - DEL			2Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	
Common Helmet - MS B	4Q						
Common Helmet - PDR			1Q				
Common Helmet - CDR			2Q				
Common Helmet - MS C				2Q			
Common Helmet - FRP					4Q		
Common Helmet - IOC						2Q	
Common Helmet - DT/OT HMD Spirals			4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Common Helmet - DEL				4Q	1Q-4Q	1Q-4Q	1Q-4Q
JHMCS NVCD-ADR		2Q	2Q				
JHMCS NVCD-IOC			4Q				
JHMCS NVCD - DT/OT	1Q-4Q	1Q-4Q	1Q-4Q				
JHMCS NVCD-DEL		4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Flight Deck Cranial - MS B		2Q					
Flight Deck Cranial - PDR		4Q					
Flight Deck Cranial - CDR			1Q				
Flight Deck Cranial - MS C /FRP			4Q				
Flight Deck Cranial - IOC				4Q			
Flight Deck Cranial - DT			1Q-3Q				
Flight Deck Cranial - DEL				1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
LEP (JALEPV) - ADR		1Q		1Q			
LEP (JALEPV) - MS C			2Q				
LEP (JALEPV) - FRP				4Q			
LEP (JALEPV) - IOC					2Q		
LEP (JALEPV) - DT/OT		2Q-4Q	1Q				
LEP (JALEPV) - DEL			2Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
LEP (LEPIP) - MS B		1Q					
LEP (LEPIP) - MS C/FRP			2Q				
LEP (LEPIP) - IOC				1Q			
LEP (LEPIP) - DT/SPIRALS		3Q-4Q	1Q-3Q				
LEP (LEPIP) - DEL			2Q-4Q	1Q-4Q	1Q-4Q		
LEP (AFLEP) - MS B				1Q			
LEP (AFLEP) - PDR				4Q			
LEP (AFLEP) - CDR					3Q		
LEP (AFLEP) - DT					1Q-4Q	1Q-4Q	1Q-4Q
LEP (AFLEP) - DEL						3Q-4Q	1Q-4Q
WFOV NVG - PDR		4Q					
WFOV NVG - CDR			4Q				
WFOV NVG - MS C					3Q		
WFOV NVG - IOC						4Q	
WFOV NVG - DT/OT			4Q	1Q-4Q	1Q-3Q		
WFOV NVG - DEL					3Q-4Q	1Q-4Q	1Q-4Q

UNCLASSIFIED

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CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE: February 2008		
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-5		PROGRAM ELEMENT 0604264N, AIRCREW SYSTEMS DEVELOPMENT				PROJECT NUMBER AND NAME 0606, AIRCREW SYSTEMS DEVELOPMENT		
Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
	ESIRP - DEL			3Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
	CMARS-MS B		2Q					
	CMARS - PDR, CDR		3Q	2Q				
	CMARS - DT/OT		4Q	1Q-4Q	1Q			
	CMARS - MS C/FRP					1Q		
	CMARS-IOC						1Q	
	CMARS - DEL					4Q	1Q-4Q	1Q-4Q
	CWTS - DT			3Q-4Q				
	CWTS-ADR/FRP				1Q			
	CWTS - DEL				1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
	Ejection Seat Endurance - MS C/FRP		2Q					
	Ejection Seat Endurance - IOC		3Q					
	Ejection Seat Endurance - DT		1Q-4Q	1Q				
	Ejection Seat Endurance-ADR			1Q				
	Ejection Seat Endurance - DEL		4Q	1Q-4Q	1Q-4Q			
	LTO - DT/DT ASSIST	1Q-4Q	1Q-4Q	1Q				
	SEAT ENDURANCE - ADR		2Q					
	SEAT ENDURANCE - DT			3Q-4Q	1Q-2Q			
	SEAT ENDURANCE - DEL				3Q-4Q	1Q-4Q	1Q-2Q	
	SEAT ENDURANCE - IOC					3Q		

EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2008													
APPROPRIATION/BUDGET ACTIVITY RDT&E,N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604264N, AIRCREW SYSTEMS DEVELOPMENT			PROJECT NUMBER AND NAME 9999, CONGRESSIONAL ADD															
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013												
9999 CONGRESSIONAL ADD	1.408																		
RDT&E Articles Qty																			
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>Congressional Add.</p> <p>B. ACCOMPLISHMENTS / PLANNED PROGRAM</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width:60%;">9A32N SIIIS EJECTION SEAT IMPROVEMENT</th> <th style="width:10%;">FY2007</th> <th style="width:10%;">FY2008</th> <th style="width:10%;">FY2009</th> </tr> </thead> <tbody> <tr> <td>Accomplishments / Effort / Sub-total Cost</td> <td style="text-align: center;">1.408</td> <td></td> <td></td> </tr> <tr> <td>RDT&E Articles Qty</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>The funding is needed to provide SJU-4/A ejection seat performance upgrades by investigating current escape technology applications to the T/AV-8B escape system. The total scope of the program is to design, develop, test and upgrade the T/AV-8B escape system to reduce the risk of injury to aircrew for the entire escape envelope. Product area focus will be to reduce risk of injury at mode 1/2 boundary for the ejection seat, reduce opening shock of the parachute, reduce possibility of neck injuries and improve restraint.</p>								9A32N SIIIS EJECTION SEAT IMPROVEMENT	FY2007	FY2008	FY2009	Accomplishments / Effort / Sub-total Cost	1.408			RDT&E Articles Qty			
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