Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

1319: Research, Development, Test & Evaluation, Navy I BA 5: System

PE 0604264N I Air Crew Systems Development

Development & Demonstration (SDD)

COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	116.770	10.201	13.577	13.235	-	13.235	18.697	18.464	18.099	1.887	Continuing	Continuing
0606: Aircrew System Development	116.770	10.201	13.577	13.235	-	13.235	18.697	18.464	18.099	1.887	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Aircrew Systems Development program provides Engineering and Manufacturing Development of Aviation Life Support Systems to protect aircrew and flight deck personnel 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, hearing loss, and high "G" forces. The program also provides development for the following capabilities: night vision capability, hearing and head protection, aircrew endurance, aircrew performance, man mounted data display, communications, clothing, 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, 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.

JUSTIFICATION FOR BUDGET ACTIVITY:

This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production decision.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	12.665	13.577	15.113	-	15.113
Current President's Budget	10.201	13.577	13.235	-	13.235
Total Adjustments	-2.464	0.000	-1.878	-	-1.878
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-2.300	0.000			
SBIR/STTR Transfer	-0.163	0.000			
 Program Adjustments 	0.000	0.000	-6.000	-	-6.000
Rate/Misc Adjustments	-0.001	0.000	4.122	-	4.122

PE 0604264N: Air Crew Systems Development

Page 1 of 14

R-1 Line #109

Navy

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	
1319: Research, Development, Test & Evaluation, Navy I BA 5: System	PE 0604264N I Air Crew Systems Development	
Development & Demonstration (SDD)		

Change Summary Explanation

Schedule:

- 1. Acquisition Milestones:
- A. Laser Eye Protection (LEP) Milestone B (MS B), Milestone C (MS C), Initial Operational Capability (IOC) and Full Rate Production (FRP) delayed due to extended revision of threat requirement and decision not to procure United States Air Force (USAF) spectacle.
- B. Enhanced Visual Acuity (EVA) MS B and MS C dates changed to reflect revised schedule.
- 2. System Development:
- A. LEP System Readiness Review 1 moved from 4Q FY15 to 1Q FY17; System Function Review/System Readiness Review 2 moved from 2Q FY17 to 1Q FY18; Critical Design Review moved from 1Q FY18 to 2Q FY19; Test Readiness Review moved from 2Q FY19; System Verification Review/Production Readiness Review moved from 2Q FY19 to 2Q FY21; Physical Configuration Audit moved from 2Q FY20 to 1Q FY22.
- B. EKB Added an Application Development and Integration period to the schedule to reflect on-going developmental EKB efforts.
- C. EVA Moved Preliminary Design Review from 1Q FY17 to 2Q FY19; moved Critical Design Review from 4Q FY17 to 1Q FY20; moved Test Readiness Review from 3Q FY18 to 1Q FY21; moved System Verification Review/Production Readiness Review from 3Q FY19 to 1Q FY22.
- 3. Test and Evaluation:
- A. LEP Developmental Test shifted from 4Q FY18 to 1Q FY20.
- B. EVA Developmental Test shifted from 3Q FY18 to 3Q FY20; Operational Test shifted from 2Q FY20 to 3Q FY22.
- 4. Production Milestones:

PE 0604264N: Air Crew Systems Development

- A. LEP Engineering Development Model (EDM), Low Rate Initial Production (LRIP) and Full Rate Production (FRP) contract award dates changed to align with milestone decisions.
- B. EVA EDM, LRIP 1 and LRIP 2 contract award dates changed to align with milestone decisions.
- 5. Deliveries:
- A. Laser Eye Protection Spectacles (LEP) Engineering Development Model (EDM) quantity changed from 62 to 91; Low Rate Initial Production (LRIP) 1 quantity changed from 550 to 350; Full Rate Production (FRP) 1 quantity changed from 665 to 535.
- B. Enhanced Visual Acuity (EVA) EDM quantity changed from 25 to 12; LRIP 1 quantity changed from 6 to 25 and LRIP 2 quantity changed from 64 to 100.

UNCLASSIFIED

xhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy	Date: May 2017			
Appropriation/Budget Activity 319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604264N / Air Crew Systems Development	·		
Technical: N/A				

PE 0604264N: Air Crew Systems Development Navy

UNCLASSIFIED Page 3 of 14

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy											Date: May 2017			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604264N I Air Crew Systems Development Project (Number/Name) 0606 I Aircrew System Development						ent		
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost		
0606: Aircrew System Development	116.770	10.201	13.577	13.235	-	13.235	18.697	18.464	18.099	1.887	Continuing	Continuing		
Quantity of RDT&E Articles	-	-	-	-	-	-	-							

A. Mission Description and Budget Item Justification

AIRCREW SYSTEMS: Laser Eye Protection (LEP), Enhanced Visual Acuity (EVA), and Aircrew Systems (AS).

Under the above projects, LEP provides eye protection solutions that will provide Fixed, Rotary Wing and Patrol pilots and aircrew with multiple wavelength fixed threat and hazard protection during day and night unaided and Night Vision Goggle aided missions. LEP will consist of a suite of products to include spectacles, goggles and visors. The LEP (visor, spectacle or goggle format) is being developed for compatibility with all required USN/USMC Aviation Life Support Equipment as well as cockpit displays, night vision and fire control systems. EVA provides a digital night vision capability to address critical capability gaps in low and no light illumination levels (night vision). Future increments will provide enhanced visibility in degraded visual environment. Aircrew Systems includes State of the Art (SOA) and Survival Systems which provides for the yearly evaluation of the survival, clothing and other aircrew systems that provide upgraded performance, fill capability gaps, improve aircrew endurance and performance, safety and enhance survivability.

AIRCRAFT SYSTEMS: Aircraft Systems include studies for Advanced Crash Protection, SOA, Survival Systems and Electronic Knee Board (EKB). EKB provides digital display that will allow aircrew to store, search, and view significant amounts of data required for mission accomplishment during flight operations. SOA provides for the yearly evaluation of the survival systems that provide upgraded performance, improve endurance, fill capability gaps and improve performance, safety and enhance survivability.

3. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Aircrew System Development Articles:	7.724 -	13.076 -	10.938	0.000	10.938
Description: Laser Eye Protection (LEP) provides Spectacles (both Self Protection and Multi-Wavelength), goggles, step-in visor and Laser Eye Protection Improvement Program (LEPIP) which monitors emerging threats and changes to technology. Enhanced Visual Acuity (EVA) provides a digital night vision capability to address critical capability gaps in low and no light illumination (Night Vision). Future increments will provide enhanced visibility in degraded visual environments. AS includes SOA. FY 2016 Accomplishments:					

PE 0604264N: Air Crew Systems Development

Navy

Page 4 of 14

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017	
1319 / 5	-1 Program Element (Number/ E 0604264N <i>I Air Crew Systems</i> evelopment		Project (N 0606 / Airc	n e) n Developm	ent	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in E	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Enhanced Visual Acuity (EVA): Continued development. Analysis of Alternatives (Development Document (CDD) draft complete and in routing. State of the Art (SOA): Continued a yearly evaluation and authorization of the sur aircrew systems items. Identification, testing and approval of items that provide up capability gaps, improve aircrew endurance, improve aircrew performance and sa	vival, clothing, and other ograded performance, fill	1112010		Busc		Total
FY 2017 Plans: Laser Eye Protection (LEP): Continue research and development of the next incre complete Systems Readiness Review 1 (SRR1), and receive Milestone B Decision Enhanced Visual Acuity (EVA): Continue development. State of the Art (SOA): Continue a yearly evaluation and authorization of the surve systems items. Identification, testing and approval of items that provide upgraded gaps, improve aircrew endurance, improve aircrew performance and safety and endurance.	ival, clothing, and other aircrew performance, fill capability					
FY 2018 Base Plans: Laser Eye Protection (LEP): Continue research and development of the next incre complete System Readiness Review 2 (SRR2). Enhanced Visual Acuity (EVA): Continue development, award Engineering, Demo contract and receive Milestone B Decision. State of the Art (SOA): Continue a yearly evaluation and authorization of the surv systems items. Identification, testing and approval of items that provide upgraded gaps, improve aircrew endurance, improve aircrew performance and safety and e Physiological Episode Protection: Mitigate risk of loss of aircrew and Tactical and to Physiological Episodes using monitoring and alert systems. Develop, prototype monitoring system that detects physiological episodes and provides a warning in execute emergency procedures and recover safely.	onstration and Manufacturing ival, clothing, and other aircrew performance, fill capability nhance survivability. Training jet platforms due e, and test a physiological					
FY 2018 OCO Plans: N/A						
Title: Aircraft Systems Development	Articles:	2.477 -	0.501	2.297	0.000	2.297
Description: Aircraft Systems include studies for Advanced Crash Protection, Statelectronic Knee Board (EKB).	ate of the Art (SOA), and					

PE 0604264N: Air Crew Systems Development Navy

UNCLASSIFIED
Page 5 of 14

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Exhibit R-2A, RDT&E Project Just	ification: FY	2018 Navy			,	'			Date: May	2017			
Appropriation/Budget Activity 1319 / 5				PE 06		nent (Numbe r Crew Systen			(Number/Name) Aircrew System Development				
B. Accomplishments/Planned Pro	grams (\$ in I	Millions, Ar	ticle Quantit	ies in Each).		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total		
FY 2016 Accomplishments: FY17 and out, the Electronic Knee E	Board is captu	ıred under tl	ne JMPS PE	0605215N.									
Electronic Knee Board (EKB): Conticonduct integrated testing, and Authorocurement. State of the Art (SOA): Continue a yapproval of items that provide upgraperformance and safety and enhance	orizations to early evaluati ded performa	Work. Estab on and auth ince, fill cap	olish logistics norization to i	support plar	n to support	first hardware ting and							
FY 2017 Plans: State of the Art (SOA): Continue a y approval of items that provide upgraperformance and safety and enhance	ded performa	ınce, fill cap											
FY 2018 Base Plans: State of the Art (SOA): Continue a yapproval of items that provide upgraperformance and safety and enhance Oxygen Cart (Peculiar Support Equi Aircrew Common Ejection Seat (NA in the event of a hypoxia incidence. service the EOS cylinder. This part pressures required.	ded performa e survivability pment (PSE) CES) surviva This change	ince, fill cap /.): The Emer I kit will be c will drive a	ability gaps, i gency Oxyge hanged to af requirement	improve end en Source (E ford the pilot for PSE O2 s	urance, imp OS) in the F more emer servicing ca	rove F/A-18 Navy gency oxygen t used to							
FY 2018 OCO Plans: N/A													
			Accomplis	hments/Plar	nned Progr	ams Subtotal	s 10.201	13.577	13.235	0.000	13.235		
C. Other Program Funding Summ	ary (\$ in Milli	ons)											
<u>Line Item</u> • OPN/4268: <i>Aviation Life Support</i>	FY 2016 29.586	FY 2017 22.528	FY 2018 Base 16.716	FY 2018 OCO 23.151	FY 2018 Total 39.867	FY 2019 13.996	FY 2020 26.871	FY 2021 27.822		Cost To Complete Continuing			

PE 0604264N: Air Crew Systems Development Navy

UNCLASSIFIED
Page 6 of 14

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604264N I Air Crew Systems Development	Project (Number/Name) 0606 I Aircrew System Development
C. Other Program Funding Summary (\$ in Millions)			
	EV 2019	EV 2019 EV 2019	Cost To

			FY 2018	FY 2018	FY 2018					Cost To	
Line Item	FY 2016	FY 2017	Base	000	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost
 APN/0575: Aviation 	0.000	0.000	0.000	-	0.000	0.000	0.000	0.453	3.060	50.718	74.599
Life Support Mods											

Remarks

Navy

D. Acquisition Strategy

Commercial Off-The-Shelf /Non-Developmental Items where possible, cost type contracts.

E. Performance Metrics

Electronic Knee Board: Performance Metrics to include Design Review, Early Operational Capability (EOC) and Initial Operational Capability (IOC). Enhanced Visual Acuity: Performance Metrics to include Preliminary Design Review (PDR), Critical Design Review (CDR), Milestone B (MS B), Milestone C (MS C) and IOC.

Laser Eye Protection: Performance Metrics to include System Readiness Review (SRR), Critical Design Review (CDR), Test Readiness Review (TRR), System Verification Review/Production Readiness Review (SVR/PRR), Milestone B (MS B), Milestone C (MS C), Initial Operating Capability (IOC) and Full Rate Production Decision Review (FRPDR).

PE 0604264N: Air Crew Systems Development UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

R-1 Program Element (Number/Name)

Project (Number/Name)

Appropriation/Budget Activity 1319 / 5

PE 0604264N I Air Crew Systems

0606 I Aircrew System Development

Date: May 2017

Development

Product Developmen	t (\$ in M	illions)		FY 2	2016	FY:	2017		2018 ase	FY 2		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Systems Eng Laser Eye Protection (LEP)	WR	NAWCAD : Patuxent River, MD	7.456	1.192	Apr 2016	1.052	Feb 2017	1.191	Dec 2017	-		1.191	Continuing	Continuing	Continuin
Systems Eng Laser Eye Protection (LEP)	C/FFP	NAVAIR : Patuxent River, MD	0.000	0.000	Feb 2016	0.573	Sep 2017	1.572	Mar 2018	-		1.572	3.455	5.600	5.600
Systems Eng Aircrew Systems	WR	Various : Various	12.062	1.433	Feb 2016	0.469	Feb 2017	1.224	Feb 2018	-		1.224	Continuing	Continuing	Continuing
Systems Eng Aircraft Systems	WR	Various : Various	42.992	1.487	Feb 2016	0.501	Feb 2017	1.374	Feb 2018	-		1.374	Continuing	Continuing	Continuing
Systems Eng Aircraft Systems	SS/FFP	USAF : WPAFB, OH	0.000	0.156	Nov 2016	0.000		0.000		-		0.000	0.000	0.156	-
System Eng Enhanced Visual Acuity	C/CPFF	Various : Various	0.000	3.120	Mar 2016	8.115	Mar 2017	2.496	May 2018	-		2.496	Continuing	Continuing	Continuing
System Eng Enhanced Visual Acuity	WR	Various : Patuxent River, MD	7.441	1.907	Feb 2016	2.822	Feb 2017	2.539	Feb 2018	-		2.539	Continuing	Continuing	Continuing
System Eng Electronic Knee Board	WR	NAWCAD : Patuxent River, MD	2.252	0.656	Feb 2016	0.000		0.000		-		0.000	0.000	2.908	-
System Eng Electronic Knee Board	Various	Various : Various	3.336	0.178	Apr 2016	0.000		0.000		-		0.000	0.000	3.514	-
Systems Eng Physiological Episode Protection	C/CPFF	TBD : TBD	0.000	0.000		0.000		1.870	Nov 2017	-		1.870	0.000	1.870	-
Systems Eng O2 Cart	C/CPFF	NAWCAD : Lakehurst, NJ	0.000	0.000		0.000		0.923	Feb 2018	-		0.923	0.000	0.923	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	28.147	0.000		0.000		0.000		-		0.000	0.000	28.147	-
		Subtotal	103.686	10.129		13.532		13.189		-		13.189	-	-	-

Remarks

Electronic Knee Board (EKB) funding realigned to PE 0605215N starting in FY17.

FY18 funding received (\$4.208M) in support of Enhanced Emergency Oxygen Supply (EEOS) and Physiological Episode (PE) Protection.

UNCLASSIFIED Page 8 of 14

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
1319 / 5	PE 0604264N I Air Crew Systems	0606 I Aircrew System Development
	Development	

Management Service	s (\$ in M	illions)		FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise	FY 2		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	WR	Various : Various	1.161	0.072	Dec 2015	0.045	Dec 2016	0.046	Dec 2017	-		0.046	Continuing	Continuing	Continuing
Prior year Mgmt Svcs no longer funded in the FYDP	Various	Various : Various	11.923	0.000		0.000		0.000		-		0.000	0.000	11.923	-
		Subtotal	13.084	0.072		0.045		0.046		-		0.046	-	-	-
		ſ										1			
			Prior					FY 2	2018	FY 2	0018	FY 2018	Cost To	Total	Target Value of

	Prior Years	FY 2	2016	FY 2	017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	116.770	10.201		13.577		13.235	-	13.235	-	-	-

Remarks

PE 0604264N: Air Crew Systems Development Navy

Page 9 of 14

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xhibit R-4, RDT&E Schedule Prof	ile	: FY	/ 20)18	Navy																			Date	e: May 2	2017	7	
ppropriation/Budget Activity 319 / 5											F	PE (0604	gram 1264N ment						lam	e)				er/Nam System		/elo _l	оте
aser Eye Protection (LEP)		FY:	201	6		F Y 2	2017	,	F	Y 2	2018			FY:	2019			FY 2	2020)		FY 20	21		FY	20	22	
	1Q	2Q	30	4Q	1Q	2Q	3Q	4Q	1Q	20	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquisition Milestones Milestones								MS B ▲															MS C ▲		FRPDR IOC			
System Development		-	┞	\vdash	<u> </u>					-											\dagger							\neg
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2018DON - 0604264N - 0606

xhibit R-4, RDT&E Schedule Prof	ile: F	Y 20	18 Na	ıvy																			D	ate:	May	/ 20 ⁻	17	
Appropriation/Budget Activity 319 / 5										PE	060		4N /			Nun Sys			ne)					nbe e w Sj				pmei
Electronic Kneeboard (EKB)	l	FY 2	2016		l	FY:	2017		l	FY 2	2018			FY 2	2019		l	FY 2	2020		l	FY:	2021		l	FY:	2022	- 1
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
System Development Reviews		sign view																										
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Test and Evaluation	İ				<u> </u>		İ															İ	<u> </u>	İ				M
Production Milestones																												П
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19 / 5																Air	Crew	Sys	stem	S			060	10 1	Aircrew Sy	stem.	Dev	eiopmei
												De	evel	opme	nt													
Enhanced Visual Acuity (EVA)		FY	201	6	I	FY:	2017	-		FY:	2018			FY 2	019		F	Y 20	020		F	Y 2	021		1	FY 202	22	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q 2	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquisition Milestones																												
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2018DON - 0604264N - 0606 EDM Units will be used for Operational Testing

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	- 3 (umber/Name) crew System Development

Schedule Details

	Sta	art	En	d
Events by Sub Project	Quarter	Year	Quarter	Year
Laser Eye Protection (LEP)				
Acquisition Milestones: Milestones: LEP Milestone B	4	2017	4	2017
Acquisition Milestones: Milestones: LEP: Milestone C	3	2021	3	2021
Acquisition Milestones: Milestones: LEP: FRP Decision	1	2022	1	2022
Acquisition Milestones: Milestones: LEP IOC	1	2022	1	2022
System Development: Reviews: SRR 1	1	2017	1	2017
System Development: Reviews: SRR 2	1	2018	1	2018
System Development: Reviews: CDR	2	2019	2	2019
System Development: Reviews: TRR	4	2019	4	2019
System Development: Reviews: SVR/PRR	2	2021	2	2021
System Development: Reviews: PCA	1	2022	1	2022
Test & Evaluation: DT	1	2020	1	2021
Production Milestones: Contract Awards: LEP EDM (RDTEN)	4	2017	4	2017
Production Milestones: Contract Awards: LEP LRIP 1 (OPN)	3	2021	3	2021
Production Milestones: Contract Awards: LEP FRP 1 (OPN)	1	2022	1	2022
Deliveries: LEP EDM Qty 91	2	2019	3	2019
Deliveries: LEP LRIP Qty 350	4	2021	1	2022
Deliveries: LEP FRP 1 Qty 535	2	2022	4	2022
Electronic Kneeboard (EKB)				
System Development: Reviews: Design Review Complete	1	2016	2	2016
System Development: Reviews: Application Development and Integration	1	2016	4	2016
Production Milestones: Contract Awards: EKB FRP 1 (OPN)	3	2016	3	2016

PE 0604264N: Air Crew Systems Development Navy

Page 13 of 14

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
1	, ,	, ,	umber/Name) rew System Development
	Development		,

	Sta	art	E	nd
Events by Sub Project	Quarter	Year	Quarter	Year
Production Milestones: Deliveries: EKB FRP 1 Qty 2675	3	2016	4	2016
Enhanced Visual Acuity (EVA)				
Acquisition Milestones: Milestones: EVA Milestone B	3	2018	3	2018
Acquisition Milestones: Milestones: EVA Milestone C	2	2022	2	2022
System Development: Reviews: EVA PDR	2	2019	2	2019
System Development: Reviews: EVA CDR	1	2020	1	2020
System Development: Reviews: EVA TRR	1	2021	1	2021
System Development: Reviews: EVA SVR/PRR	1	2022	1	2022
Test and Evaluation: EVA Developmental Testing	3	2020	4	2021
Test and Evaluation: EVA Operational Testing	3	2022	4	2022
Production Milestones: Contract Awards: EDM (RDTEN)	3	2018	3	2018
Production Milestones: Contract Awards: EVA LRIP 1 (OPN)	2	2022	2	2022
Production Milestones: Contract Awards: EVA LRIP 2 (OPN)	4	2022	4	2022
Deliveries: EDM (QTY 12)	1	2020	3	2020
Deliveries: EVA LRIP 1 (QTY 25)	2	2022	3	2022
Deliveries: EVA LRIP 2 (QTY 100)	4	2022	4	2022