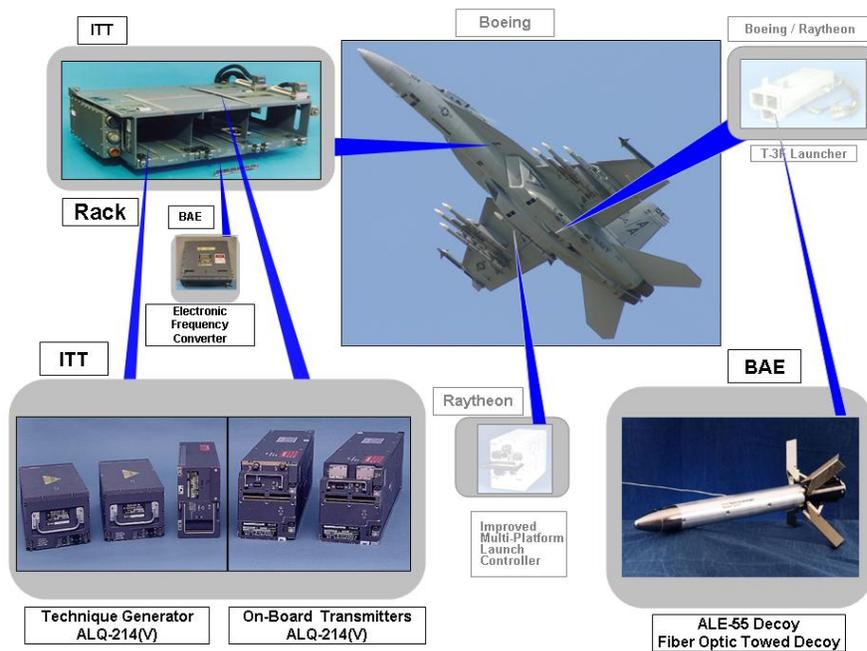




Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-418



Integrated Defensive Electronic Countermeasures (IDECM)

As of FY 2016 President's Budget

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Common Acronyms and Abbreviations for MDAP Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ACAT - Acquisition Category
ADM - Acquisition Decision Memorandum
APB - Acquisition Program Baseline
APPN - Appropriation
APUC - Average Procurement Unit Cost
\$B - Billions of Dollars
BA - Budget Authority/Budget Activity
Blk - Block
BY - Base Year
CAPE - Cost Assessment and Program Evaluation
CARD - Cost Analysis Requirements Description
CDD - Capability Development Document
CLIN - Contract Line Item Number
CPD - Capability Production Document
CY - Calendar Year
DAB - Defense Acquisition Board
DAE - Defense Acquisition Executive
DAMIR - Defense Acquisition Management Information Retrieval
DoD - Department of Defense
DSN - Defense Switched Network
EMD - Engineering and Manufacturing Development
EVM - Earned Value Management
FOC - Full Operational Capability
FMS - Foreign Military Sales
FRP - Full Rate Production
FY - Fiscal Year
FYDP - Future Years Defense Program
ICE - Independent Cost Estimate
IOC - Initial Operational Capability
Inc - Increment
JROC - Joint Requirements Oversight Council
\$K - Thousands of Dollars
KPP - Key Performance Parameter
LRIP - Low Rate Initial Production
\$M - Millions of Dollars
MDA - Milestone Decision Authority
MDAP - Major Defense Acquisition Program
MILCON - Military Construction
N/A - Not Applicable
O&M - Operations and Maintenance
ORD - Operational Requirements Document
OSD - Office of the Secretary of Defense
O&S - Operating and Support
PAUC - Program Acquisition Unit Cost

PB - President's Budget
PE - Program Element
PEO - Program Executive Officer
PM - Program Manager
POE - Program Office Estimate
RDT&E - Research, Development, Test, and Evaluation
SAR - Selected Acquisition Report
SCP - Service Cost Position
TBD - To Be Determined
TY - Then Year
UCR - Unit Cost Reporting
U.S. - United States
USD(AT&L) - Under Secretary of Defense (Acquisition, Technology and Logistics)

Program Information

Program Name

Integrated Defensive Electronic Countermeasures (IDECM)

DoD Component

Navy

Responsible Office

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 Program Executive Office (Tactical Aircraft)
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 Patuxent River, MD 20670-1547

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References

IDECM Blocks 2/3

SAR Baseline (Production Estimate)

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated June 16, 2008

Approved APB

Assistant Secretary of the Navy (Research, Development & Acquisition) (ASN(RDA)) Approved Acquisition Program Baseline (APB) dated April 13, 2012

IDECM Block 4

SAR Baseline (Development Estimate)

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated June 16, 2008

Approved APB

Component Acquisition Executive (CAE) Approved Acquisition Program Baseline (APB) dated February 3, 2014

Mission and Description

The Integrated Defensive Electronic Countermeasures (IDECM) System is a Radio Frequency (RF), self-protection electronic countermeasure suite on the F/A-18 aircraft. IDECM improves the survivability of the F/A-18 aircraft against RF guided threats during Air-to-Ground/Surface and Air-to-Air missions. The system is comprised of onboard components, which receive and process radar signals, along with onboard and offboard jammer components that transmit appropriate RF jamming responses.

There are four IDECM variants in development, production, or sustainment. Blocks 1-3 are compatible with F/A-18E/F aircraft only. Block 4 is compatible with F/A-18C-F aircraft.

IDECM Block 1: A federated suite, consisting of the ALQ-165 On-Board Jammer (OBJ) and ALE-50 expendable decoy.

IDECM Block 2: An integrated suite, consisting of the ALQ-214 OBJ and ALE-50 expendable decoy.

IDECM Block 3: An integrated suite, consisting of the ALQ-214 OBJ and ALE-55 Fiber Optic Towed Decoy.

IDECM Block 4: An Engineering Change Proposal to the ALQ-214 OBJ to render it suitable for operation on F/A-18C/D aircraft, while retaining all functionality, when installed on F/A-18E/F.

Executive Summary

IDECM Block 2 (IB-2) ALQ-214(V)3:

The ALQ-214 is in FRP and all production contracts are performing well. Current as of February 2, 2015, Exelis has delivered 276 ALQ-214(V)3 production systems under the LRIP 1 through FRP 8 contracts. All deliveries in the ALQ-214(V)3 configuration are complete and all deliveries have been at least one month ahead of the contracted schedule.

IDECM Block-3 (IB-3) ALE-55:

The ALE-55 is in FRP and all production contracts are performing well. Current as of February 2, 2015, BAE Systems has delivered 1,582 Fiber Optic Towed Decoys (FOTD) and 377 Electronic Frequency Converters (EFC) under the LRIP 4 through FRP 4 contracts, ahead of the contracted schedule. FRP 4 FOTD deliveries began in December 2014. FRP 4 EFC deliveries are contractually scheduled to begin in March 2015.

IDECM Block-4 (IB-4) ALQ-214 Engineering Change Proposal and Software Improvement (SWIP):

IB-4 Integration Testing was completed in April 2014. The IB-4 Operational Test Readiness Review was conducted on June 16, 2014. Operational Test (OT) has commenced; however, OT is currently experiencing delays due to lack of aircraft availability and range issues. In Process Review 6 is planned for the third quarter of FY 2015 and will support the FY 2015 production award. IB-4 SWIP Build 2 is undergoing Lab/Hardware In the Loop testing. IB-4 SWIP Build 3 is anticipated to deliver in April 2015.

IDECM Block-4 (IB-4) Production:

The FRP 9 through 11 contract was awarded on April 16, 2012. FRP 9 deliveries began in January 2014. Current as of February 2, 2015, Exelis has delivered all 25 FRP 9 ALQ-214(V)4 production systems. FRP 10 option was exercised May 23, 2013 and deliveries started January 2015. The FRP 11 option was exercised March 13, 2014.

There are no significant software-related issues with this program at this time.

Threshold Breaches

IDECM Blocks 2/3

APB Breaches

- Schedule
- Performance
- Cost
 - RDT&E
 - Procurement
 - MILCON
 - Acq O&M
- O&S Cost
- Unit Cost
 - PAUC
 - APUC

Nunn-McCurdy Breaches

- Current UCR Baseline**
 - PAUC None
 - APUC None
- Original UCR Baseline**
 - PAUC None
 - APUC None

IDECM Block 4

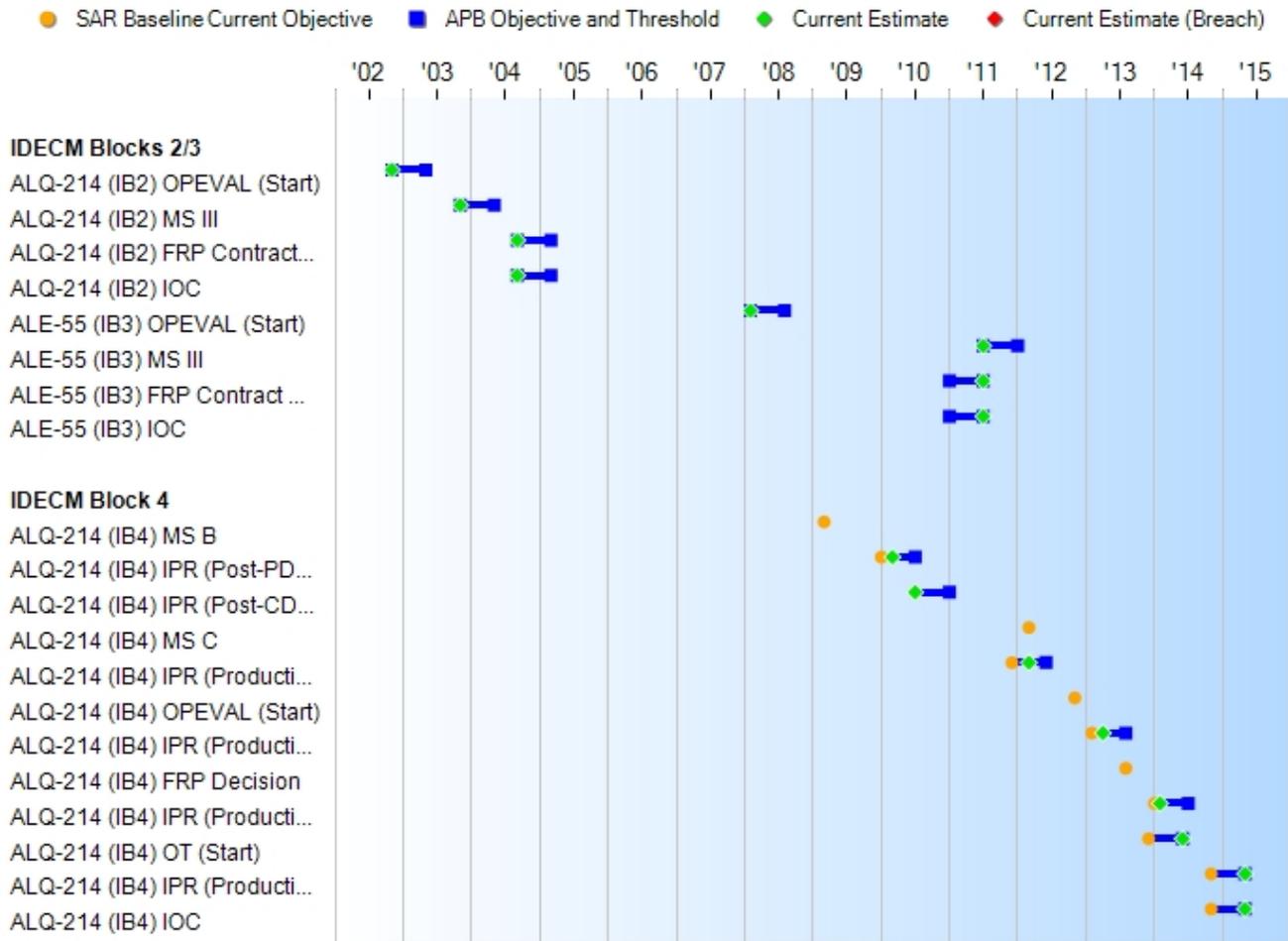
APB Breaches

- Schedule
- Performance
- Cost
 - RDT&E
 - Procurement
 - MILCON
 - Acq O&M
- O&S Cost
- Unit Cost
 - PAUC
 - APUC

Nunn-McCurdy Breaches

- Current UCR Baseline**
 - PAUC None
 - APUC None
- Original UCR Baseline**
 - PAUC None
 - APUC None

Schedule



IDECM Blocks 2/3

Schedule Events				
Events	SAR Baseline Production Estimate	Current APB Production Objective/Threshold		Current Estimate
ALQ-214 (IB2) OPEVAL (Start)	Nov 2002	Nov 2002	May 2003	Nov 2002
ALQ-214 (IB2) MS III	Nov 2003	Nov 2003	May 2004	Nov 2003
ALQ-214 (IB2) FRP Contract Award	Sep 2004	Sep 2004	Mar 2005	Sep 2004
ALQ-214 (IB2) IOC	Sep 2004	Sep 2004	Mar 2005	Sep 2004
ALE-55 (IB3) OPEVAL (Start)	Feb 2008	Feb 2008	Aug 2008	Feb 2008
ALE-55 (IB3) MS III	Jan 2009	Jul 2011	Jan 2012	Jul 2011
ALE-55 (IB3) FRP Contract Award	Feb 2009	Jan 2011	Jul 2011	Jul 2011
ALE-55 (IB3) IOC	Feb 2010	Jan 2011	Jul 2011	Jul 2011

Change Explanations

None

Acronyms and Abbreviations

IB2 - IDECM Block 2
 IB3 - IDECM Block 3
 MS - Milestone
 OPEVAL - Operational Evaluation

IDECM Block 4

Schedule Events				
Events	SAR Baseline Development Estimate	Current APB Production Objective/Threshold		Current Estimate
ALQ-214 (IB4) MS B	Mar 2009	N/A	N/A	N/A
ALQ-214 (IB4) IPR (Post-PDR Assessment)	N/A	Jan 2010	Jul 2010	Mar 2010
ALQ-214 (IB4) IPR (Post-CDR Assessment)	N/A	Jul 2010	Jan 2011	Jul 2010
ALQ-214 (IB4) MS C	Mar 2012	N/A	N/A	N/A
ALQ-214 (IB4) IPR (Production Cut-in Review 1)	N/A	Dec 2011	Jun 2012	Mar 2012
ALQ-214 (IB4) OPEVAL (Start)	Nov 2012	N/A	N/A	N/A
ALQ-214 (IB4) IPR (Production Cut-in Review 2)	N/A	Feb 2013	Aug 2013	Apr 2013
ALQ-214 (IB4) FRP Decision	Aug 2013	N/A	N/A	N/A
ALQ-214 (IB4) IPR (Production Cut-in Review 3)	N/A	Jan 2014	Jul 2014	Feb 2014
ALQ-214 (IB4) OT (Start)	N/A	Dec 2013	Jun 2014	Jun 2014 (Ch-1)
ALQ-214 (IB4) IPR (Production Transition)	N/A	Nov 2014	May 2015	May 2015 (Ch-2)
ALQ-214 (IB4) IOC	Feb 2014	Nov 2014	May 2015	May 2015 (Ch-3)

Change Explanations

(Ch-1) ALQ-214 (IB4) OT (Start) current estimate changed from May 2014 to June 2014 due to delays with Software Integration and flight testing.
 (Ch-2) ALQ-214 (IB4) IPR (Production Transition) current estimate changed from January 2015 to May 2015 due to delays in OT caused by lack of aircraft availability and range issues.
 (Ch-3) ALQ-214 (IB4) IOC current estimate changed from January 2015 to May 2015 due to delays in OT caused by lack of aircraft availability and range issues.

Acronyms and Abbreviations

CDR - Critical Design Review
 IB4 - IDECM Block 4
 IPR - In-Process Review
 MS - Milestone
 OPEVAL - Operational Evaluation
 OT - Operational Test
 PDR - Preliminary Design Review

Performance

IDECM Blocks 2/3

Performance Characteristics				
SAR Baseline Production Estimate	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
ALQ-214 (IB2/3 On-Board Jammer) Ao				
0.95	0.95	0.9	0.92	0.92
ALQ-214 (IB3 Off-Board Jammer) Ao				
0.95	0.95	0.9	0.997	0.997
ALQ-214 (IB2) Operating Envelope				
N/A	LBA	LBA	LBA	LBA

Classified Performance information is provided in the classified annex to this submission.

Requirements Reference

Operational Requirements Document (ORD) (Block 2) dated November 2003 and Capability Production Document (CPD) (Block 3) dated November 13, 2007

Change Explanations

None

Acronyms and Abbreviations

- Ao - Operational Availability
- IB-2 - IDECM Block 2
- IB-3 - IDECM Block 3
- LBA - Limits of Basic Airframe

IDECM Block 4

Performance Characteristics				
SAR Baseline Development Estimate	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
ALQ-214 (IB2/3/4 On-Board Jammer) Ao				
0.95	0.95	0.9	TBD	0.95
ALQ-214 (IB2) Operating Envelope				
N/A	LBA	LBA	LBA	LBA
ALQ-214 (IB2/3/4 On-board Jammer) Operational Availability				
Ao >= 0.95	N/A	N/A	N/A	N/A

Classified Performance information is provided in the classified annex to this submission.

Requirements Reference

Operational Requirements Document (ORD) (Block 4) dated November 2003 and Statement of Functionality (SOF) dated October 12, 2010

Change Explanations

None

Acronyms and Abbreviations

- Ao - Operational Availability
- IB-2 - IDECM Block 2
- IB-3 - IDECM Block 3
- IB-4 - IDECM Block 4
- LBA - Limits of Basic Airframe

Track to Budget

IDECM Blocks 2/3

RDT&E

Appn	BA	PE		
Navy	1319	05	0604270N	
	Project		Name	
	2175		Tactical Air Electronic Warfare	(Sunk)

Procurement

Appn	BA	PE		
Navy	1506	05	0204161N	
	Line Item		Name	
	0576		Common ECM Equipment	(Shared) (Sunk)
Navy	1506	06	0204161N	
	Line Item		Name	
	0605		Spares and Repair Parts	(Shared) (Sunk)
Navy	1508	01	0204162N	
	Line Item		Name	
	0182		Air Expendable Countermeasures	(Shared)

IDECM Block 4

RDT&E

Appn	BA	PE		
Navy	1319	05	0604270N	
	Project		Name	
	2175		Tactical Air Electronic Warfare	

Procurement

Appn	BA	PE		
Navy	1506	05	0204161N	
	Line Item		Name	
	0576		Common ECM Equipment	(Shared)
Navy	1506	06	0204161N	
	Line Item		Name	
	0605		Spares and Repair Parts	(Shared)

Cost and Funding

Cost Summary - Total Program

Total Acquisition Cost - Total Program							
Appropriation	BY 2008 \$M			BY 2008 \$M	TY \$M		
	SAR Baseline Production Estimate	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Production Estimate	Current APB Production Objective	Current Estimate
RDT&E	664.4	696.2	--	693.6	615.2	645.1	645.7
Procurement	1407.2	1579.4	--	1683.3	1666.1	1885.5	2143.1
Flyaway	--	--	--	1324.3	--	--	1747.3
Recurring	--	--	--	1314.1	--	--	1736.7
Non Recurring	--	--	--	10.2	--	--	10.6
Support	--	--	--	359.0	--	--	395.8
Other Support	--	--	--	222.8	--	--	259.9
Initial Spares	--	--	--	136.2	--	--	135.9
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	2071.6	2275.6	N/A	2376.9	2281.3	2530.6	2788.8

Cost and Funding

Cost Summary - IDECM Blocks 2/3

Total Acquisition Cost - IDECM Blocks 2/3							
Appropriation	BY 2008 \$M			BY 2008 \$M	TY \$M		
	SAR Baseline Production Estimate	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Production Estimate	Current APB Production Objective	Current Estimate
RDT&E	454.9	456.4	502.0	456.4	391.0	391.0	391.0
Procurement	956.0	1037.5	1141.3	1101.5	1144.2	1276.4	1461.3
Flyaway	--	--	--	876.4	--	--	1222.4
Recurring	--	--	--	869.4	--	--	1215.3
Non Recurring	--	--	--	7.0	--	--	7.1
Support	--	--	--	225.1	--	--	238.9
Other Support	--	--	--	145.6	--	--	167.2
Initial Spares	--	--	--	79.5	--	--	71.7
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	1410.9	1493.9	N/A	1557.9	1535.2	1667.4	1852.3

Confidence Level

Confidence Level of cost estimate for current APB: 50%

The current APB cost estimate provided sufficient resources to execute the program under normal conditions, encountering average levels of technical, schedule and programmatic risk and external interference. It was consistent with average resource expenditures on historical efforts of similar size, scope, and complexity and represents a notional 50% confidence level when established.

Total Quantity - IDECM Blocks 2/3			
Quantity	SAR Baseline Production Estimate	Current APB Production	Current Estimate
RDT&E	0	0	0
Procurement	12809	12805	12805
Total	12809	12805	12805

Cost Summary - IDECM Block 4

Total Acquisition Cost - IDECM Block 4							
Appropriation	BY 2008 \$M			BY 2008 \$M	TY \$M		
	SAR Baseline Development Estimate	Current APB Development Objective/Threshold		Current Estimate	SAR Baseline Development Estimate	Current APB Development Objective	Current Estimate
RDT&E	209.5	239.8	263.8	237.2	224.2	254.1	254.7
Procurement	451.2	541.9	596.1	581.8	521.9	609.1	681.8
Flyaway	--	--	--	447.9	--	--	524.9
Recurring	--	--	--	444.7	--	--	521.4
Non Recurring	--	--	--	3.2	--	--	3.5
Support	--	--	--	133.9	--	--	156.9
Other Support	--	--	--	77.2	--	--	92.7
Initial Spares	--	--	--	56.7	--	--	64.2
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	660.7	781.7	N/A	819.0	746.1	863.2	936.5

Total Quantity - IDECM Block 4			
Quantity	SAR Baseline Development Estimate	Current APB Development	Current Estimate
RDT&E		0	0
Procurement		160	190
Total		160	190

Cost and Funding

Funding Summary - Total Program

Appropriation Summary									
FY 2016 President's Budget / December 2014 SAR (TY\$ M)									
Appropriation	Prior	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
RDT&E	618.3	11.8	6.6	2.3	2.2	2.2	2.3	0.0	645.7
Procurement	677.2	136.6	134.1	69.6	82.9	72.9	74.3	895.5	2143.1
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2016 Total	1295.5	148.4	140.7	71.9	85.1	75.1	76.6	895.5	2788.8
PB 2015 Total	1302.3	151.4	165.0	72.0	75.6	65.2	63.1	900.5	2795.1
Delta	-6.8	-3.0	-24.3	-0.1	9.5	9.9	13.5	-5.0	-6.3

Cost and Funding

Funding Summary - IDECM Blocks 2/3

Appropriation Summary									
FY 2016 President's Budget / December 2014 SAR (TY\$ M)									
Appropriation	Prior	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
RDT&E	391.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391.0
Procurement	483.6	21.6	21.7	22.2	24.8	25.3	25.8	836.3	1461.3
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2016 Total	874.6	21.6	21.7	22.2	24.8	25.3	25.8	836.3	1852.3
PB 2015 Total	874.6	21.6	21.9	22.4	25.0	25.5	25.9	851.5	1868.4
Delta	0.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.1	-15.2	-16.1

Quantity Summary										
FY 2016 President's Budget / December 2014 SAR (TY\$ M)										
Quantity	Undistributed	Prior	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	1907	283	285	289	330	332	336	9043	12805
PB 2016 Total	0	1907	283	285	289	330	332	336	9043	12805
PB 2015 Total	0	1907	283	285	289	330	332	334	9045	12805
Delta	0	0	0	0	0	0	0	2	-2	0

Funding Summary - IDECM Block 4

Appropriation Summary									
FY 2016 President's Budget / December 2014 SAR (TY\$ M)									
Appropriation	Prior	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
RDT&E	227.3	11.8	6.6	2.3	2.2	2.2	2.3	0.0	254.7
Procurement	193.6	115.0	112.4	47.4	58.1	47.6	48.5	59.2	681.8
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2016 Total	420.9	126.8	119.0	49.7	60.3	49.8	50.8	59.2	936.5
PB 2015 Total	427.7	129.8	143.1	49.6	50.6	39.7	37.2	49.0	926.7
Delta	-6.8	-3.0	-24.1	0.1	9.7	10.1	13.6	10.2	9.8

Quantity Summary										
FY 2016 President's Budget / December 2014 SAR (TY\$ M)										
Quantity	Undistributed	Prior	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	49	36	40	15	19	12	13	6	190
PB 2016 Total	0	49	36	40	15	19	12	13	6	190
PB 2015 Total	0	49	37	50	14	14	10	9	7	190
Delta	0	0	-1	-10	1	5	2	4	-1	0

Cost and Funding

Annual Funding By Appropriation - IDECM Blocks 2/3

Annual Funding - IDECM Blocks 2/3							
1319 RDT&E Research, Development, Test, and Evaluation, Navy							
Fiscal Year	Quantity	TY \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
1995	--	--	--	--	--	--	11.8
1996	--	--	--	--	--	--	35.6
1997	--	--	--	--	--	--	49.7
1998	--	--	--	--	--	--	54.2
1999	--	--	--	--	--	--	56.5
2000	--	--	--	--	--	--	62.3
2001	--	--	--	--	--	--	40.8
2002	--	--	--	--	--	--	15.2
2003	--	--	--	--	--	--	12.9
2004	--	--	--	--	--	--	19.3
2005	--	--	--	--	--	--	12.9
2006	--	--	--	--	--	--	7.3
2007	--	--	--	--	--	--	8.6
2008	--	--	--	--	--	--	3.9
Subtotal	--	--	--	--	--	--	391.0

Annual Funding - IDECM Blocks 2/3							
1319 RDT&E Research, Development, Test, and Evaluation, Navy							
Fiscal Year	Quantity	BY 2008 \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
1995	--	--	--	--	--	--	14.7
1996	--	--	--	--	--	--	43.5
1997	--	--	--	--	--	--	60.0
1998	--	--	--	--	--	--	64.9
1999	--	--	--	--	--	--	66.9
2000	--	--	--	--	--	--	72.7
2001	--	--	--	--	--	--	47.0
2002	--	--	--	--	--	--	17.3
2003	--	--	--	--	--	--	14.5
2004	--	--	--	--	--	--	21.1
2005	--	--	--	--	--	--	13.7
2006	--	--	--	--	--	--	7.5
2007	--	--	--	--	--	--	8.7
2008	--	--	--	--	--	--	3.9
Subtotal	--	--	--	--	--	--	456.4

Annual Funding - IDECM Blocks 2/3 1506 Procurement Aircraft Procurement, Navy									
Fiscal Year	Quantity	TY \$M						Total Support	Total Program
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program		
2002	--	--	--	--	--	--	34.7	34.7	
2003	--	--	--	--	--	--	25.9	25.9	
2004	3	5.8	--	--	5.8	20.0	25.8	25.8	
2005	12	21.6	--	--	21.6	14.4	36.0	36.0	
2006	20	34.1	--	--	34.1	8.2	42.3	42.3	
2007	14	26.5	--	--	26.5	8.4	34.9	34.9	
2008	16	29.4	--	--	29.4	9.8	39.2	39.2	
2009	9	20.8	--	1.4	22.2	19.3	41.5	41.5	
2010	10	28.9	--	--	28.9	13.0	41.9	41.9	
2011	1	7.1	--	--	7.1	11.7	18.8	18.8	
Subtotal	85	174.2	--	1.4	175.6	165.4	341.0	341.0	

Annual Funding - IDECM Blocks 2/3 1506 Procurement Aircraft Procurement, Navy								
Fiscal Year	Quantity	BY 2008 \$M						
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program	
2002	--	--	--	--	--	39.1	39.1	
2003	--	--	--	--	--	28.6	28.6	
2004	3	6.2	--	--	6.2	21.5	27.7	
2005	12	22.6	--	--	22.6	15.0	37.6	
2006	20	34.7	--	--	34.7	8.3	43.0	
2007	14	26.3	--	--	26.3	8.4	34.7	
2008	16	28.8	--	--	28.8	9.6	38.4	
2009	9	20.1	--	1.4	21.5	18.6	40.1	
2010	10	27.3	--	--	27.3	12.3	39.6	
2011	1	6.6	--	--	6.6	10.8	17.4	
Subtotal	85	172.6	--	1.4	174.0	172.2	346.2	

Annual Funding - IDECM Blocks 2/3							
1508 Procurement Procurement of Ammunition, Navy and Marine Corps							
Fiscal Year	Quantity	TY \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2006	--	--	--	--	--	3.8	3.8
2007	--	--	--	--	--	0.4	0.4
2008	150	13.3	--	4.3	17.6	1.7	19.3
2009	251	14.0	--	1.4	15.4	1.5	16.9
2010	334	20.6	--	--	20.6	3.2	23.8
2011	282	17.2	--	--	17.2	1.8	19.0
2012	274	17.8	--	--	17.8	3.0	20.8
2013	269	17.5	--	--	17.5	1.0	18.5
2014	262	18.4	--	--	18.4	1.7	20.1
2015	283	19.9	--	--	19.9	1.7	21.6
2016	285	20.2	--	--	20.2	1.5	21.7
2017	289	20.6	--	--	20.6	1.6	22.2
2018	330	23.2	--	--	23.2	1.6	24.8
2019	332	23.6	--	--	23.6	1.7	25.3
2020	336	24.2	--	--	24.2	1.6	25.8
2021	339	24.6	--	--	24.6	1.7	26.3
2022	342	25.1	--	--	25.1	1.7	26.8
2023	345	25.7	--	--	25.7	1.7	27.4
2024	347	26.2	--	--	26.2	1.7	27.9
2025	350	26.7	--	--	26.7	1.7	28.4
2026	352	27.3	--	--	27.3	1.8	29.1
2027	354	27.8	--	--	27.8	1.8	29.6
2028	356	28.4	--	--	28.4	1.8	30.2
2029	358	28.9	--	--	28.9	1.9	30.8
2030	360	29.6	--	--	29.6	1.8	31.4
2031	362	30.2	--	--	30.2	1.8	32.0
2032	364	30.9	--	--	30.9	1.8	32.7
2033	366	31.5	--	--	31.5	1.8	33.3
2034	368	32.2	--	--	32.2	1.8	34.0
2035	370	32.9	--	--	32.9	1.8	34.7
2036	371	33.5	--	--	33.5	1.8	35.3
2037	372	34.2	--	--	34.2	1.9	36.1
2038	373	34.9	--	--	34.9	1.9	36.8
2039	374	35.6	--	--	35.6	1.9	37.5
2040	376	36.4	--	--	36.4	1.9	38.3
2041	377	37.1	--	--	37.1	1.9	39.0
2042	378	37.9	--	--	37.9	1.9	39.8
2043	379	38.7	--	--	38.7	1.9	40.6
2044	380	39.4	--	--	39.4	2.0	41.4
2045	330	34.9	--	--	34.9	2.0	36.9

Subtotal	12720	1041.1	--	5.7	1046.8	73.5	1120.3
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Annual Funding - IDECM Blocks 2/3								
1508 Procurement Procurement of Ammunition, Navy and Marine Corps								
Fiscal Year	Quantity	BY 2008 \$M						
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program	
2006	--	--	--	--	--	3.9	3.9	
2007	--	--	--	--	--	0.4	0.4	
2008	150	13.0	--	4.2	17.2	1.7	18.9	
2009	251	13.5	--	1.4	14.9	1.4	16.3	
2010	334	19.5	--	--	19.5	3.0	22.5	
2011	282	15.9	--	--	15.9	1.7	17.6	
2012	274	16.3	--	--	16.3	2.7	19.0	
2013	269	15.7	--	--	15.7	0.9	16.6	
2014	262	16.3	--	--	16.3	1.5	17.8	
2015	283	17.3	--	--	17.3	1.5	18.8	
2016	285	17.2	--	--	17.2	1.3	18.5	
2017	289	17.3	--	--	17.3	1.3	18.6	
2018	330	19.0	--	--	19.0	1.4	20.4	
2019	332	19.0	--	--	19.0	1.4	20.4	
2020	336	19.1	--	--	19.1	1.3	20.4	
2021	339	19.0	--	--	19.0	1.3	20.3	
2022	342	19.0	--	--	19.0	1.3	20.3	
2023	345	19.1	--	--	19.1	1.3	20.4	
2024	347	19.1	--	--	19.1	1.2	20.3	
2025	350	19.1	--	--	19.1	1.2	20.3	
2026	352	19.1	--	--	19.1	1.3	20.4	
2027	354	19.1	--	--	19.1	1.2	20.3	
2028	356	19.1	--	--	19.1	1.2	20.3	
2029	358	19.1	--	--	19.1	1.2	20.3	
2030	360	19.2	--	--	19.2	1.1	20.3	
2031	362	19.2	--	--	19.2	1.1	20.3	
2032	364	19.2	--	--	19.2	1.1	20.3	
2033	366	19.2	--	--	19.2	1.1	20.3	
2034	368	19.3	--	--	19.3	1.0	20.3	
2035	370	19.3	--	--	19.3	1.0	20.3	
2036	371	19.3	--	--	19.3	1.0	20.3	
2037	372	19.3	--	--	19.3	1.0	20.3	
2038	373	19.3	--	--	19.3	1.0	20.3	
2039	374	19.3	--	--	19.3	1.0	20.3	
2040	376	19.3	--	--	19.3	1.0	20.3	
2041	377	19.3	--	--	19.3	1.0	20.3	
2042	378	19.3	--	--	19.3	1.0	20.3	
2043	379	19.4	--	--	19.4	0.9	20.3	
2044	380	19.3	--	--	19.3	1.0	20.3	
2045	330	16.8	--	--	16.8	1.0	17.8	

Subtotal	12720	696.8	--	5.6	702.4	52.9	755.3
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Annual Funding By Appropriation - IDECM Block 4

Annual Funding - IDECM Block 4							
1319 RDT&E Research, Development, Test, and Evaluation, Navy							
Fiscal Year	Quantity	TY \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2008	--	--	--	--	--	--	5.2
2009	--	--	--	--	--	--	9.8
2010	--	--	--	--	--	--	62.3
2011	--	--	--	--	--	--	49.3
2012	--	--	--	--	--	--	60.3
2013	--	--	--	--	--	--	26.9
2014	--	--	--	--	--	--	13.5
2015	--	--	--	--	--	--	11.8
2016	--	--	--	--	--	--	6.6
2017	--	--	--	--	--	--	2.3
2018	--	--	--	--	--	--	2.2
2019	--	--	--	--	--	--	2.2
2020	--	--	--	--	--	--	2.3
Subtotal	--	--	--	--	--	--	254.7

Annual Funding - IDECM Block 4							
1319 RDT&E Research, Development, Test, and Evaluation, Navy							
Fiscal Year	Quantity	BY 2008 \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2008	--	--	--	--	--	--	5.1
2009	--	--	--	--	--	--	9.6
2010	--	--	--	--	--	--	60.0
2011	--	--	--	--	--	--	46.3
2012	--	--	--	--	--	--	55.7
2013	--	--	--	--	--	--	24.5
2014	--	--	--	--	--	--	12.2
2015	--	--	--	--	--	--	10.5
2016	--	--	--	--	--	--	5.8
2017	--	--	--	--	--	--	2.0
2018	--	--	--	--	--	--	1.8
2019	--	--	--	--	--	--	1.8
2020	--	--	--	--	--	--	1.9
Subtotal	--	--	--	--	--	--	237.2

Annual Funding - IDECM Block 4 1506 Procurement Aircraft Procurement, Navy								
Fiscal Year	Quantity	TY \$M						
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program	
2012	7	29.6	--	3.5	33.1	14.5	47.6	
2013	17	42.7	--	--	42.7	21.1	63.8	
2014	25	66.5	--	--	66.5	15.7	82.2	
2015	36	86.0	--	--	86.0	29.0	115.0	
2016	40	89.7	--	--	89.7	22.7	112.4	
2017	15	39.7	--	--	39.7	7.7	47.4	
2018	19	50.0	--	--	50.0	8.1	58.1	
2019	12	39.6	--	--	39.6	8.0	47.6	
2020	13	40.5	--	--	40.5	8.0	48.5	
2021	6	37.1	--	--	37.1	7.8	44.9	
2022	--	--	--	--	--	7.1	7.1	
2023	--	--	--	--	--	7.2	7.2	
Subtotal	190	521.4	--	3.5	524.9	156.9	681.8	

Annual Funding - IDECM Block 4 1506 Procurement Aircraft Procurement, Navy							
Fiscal Year	Quantity	BY 2008 \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2012	7	27.0	--	3.2	30.2	13.3	43.5
2013	17	38.6	--	--	38.6	19.0	57.6
2014	25	59.1	--	--	59.1	14.0	73.1
2015	36	75.2	--	--	75.2	25.3	100.5
2016	40	77.0	--	--	77.0	19.5	96.5
2017	15	33.4	--	--	33.4	6.5	39.9
2018	19	41.3	--	--	41.3	6.7	48.0
2019	12	32.1	--	--	32.1	6.4	38.5
2020	13	32.1	--	--	32.1	6.4	38.5
2021	6	28.9	--	--	28.9	6.0	34.9
2022	--	--	--	--	--	5.4	5.4
2023	--	--	--	--	--	5.4	5.4
Subtotal	190	444.7	--	3.2	447.9	133.9	581.8

Low Rate Initial Production

IDECM Blocks 2/3

Item	Initial LRIP Decision	Current Total LRIP
Approval Date	12/1/2000	6/28/2010
Approved Quantity	1	735
Reference	Program Review ADM	Gate 6 Program Review ADM
Start Year	2003	2003
End Year	2004	2012

Total LRIP is a summation of six LRIPs.

IDECM Block 4

There is no LRIP for this program.

Foreign Military Sales

IDECM Blocks 2/3

Country	Date of Sale	Quantity	Total Cost \$M	Description
Australia	7/21/2011		9.9	Australia procured IDECM Block 2/3 (ALE-55) systems as part of the Australian Super Hornet procurement, per Line 32, Amendment 2 of Case AT-P-SAF.
Australia	6/28/2010		2.4	Australia procured IDECM Block 2/3 (EFC) systems as part of the Australian Super Hornet procurement, per Line 32, Amendment 2 of Case AT-P-SAF.
Australia	4/17/2009		4.0	Australia procured IDECM Block 2/3 (ALE-55) systems as part of the Australian Super Hornet procurement, per Line 32, Amendment 2 of Case AT-P-SAF.
Australia	4/17/2009		2.1	Australia procured IDECM Block 2/3 (EFC) systems as part of the Australian Super Hornet procurement, per Line 32, Amendment 2 of Case AT-P-SAF.
Australia	2/7/2008		43.5	Australia procured IDECM Block 2/3 (ALQ-214) systems and spares as part of the Australian Super Hornet procurement, per Line 25, Amendment 1 of Case AT-P-SAF.

Notes

Australian quantities are considered sensitive by the country.

IDECM Block 4

None

Nuclear Costs

IDECM Blocks 2/3

None

IDECM Block 4

None

Unit Cost

IDECM Blocks 2/3

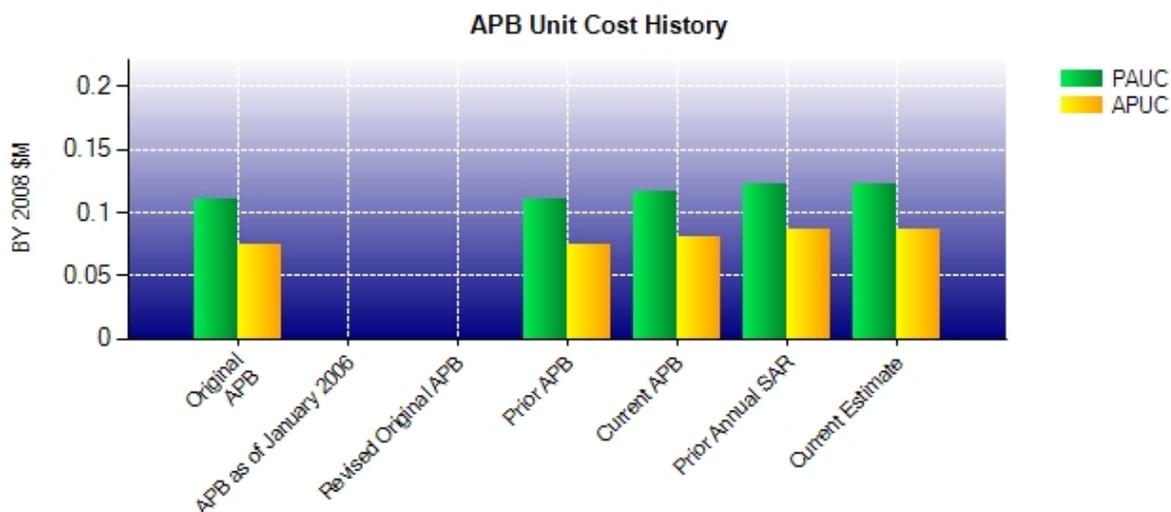
Unit Cost Report

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Current UCR Baseline (Apr 2012 APB)	Current Estimate (Dec 2014 SAR)	
Program Acquisition Unit Cost			
Cost	1493.9	1557.9	
Quantity	12805	12805	
Item	0.117	0.122	+4.27
Average Procurement Unit Cost			
Cost	1037.5	1101.5	
Quantity	12805	12805	
Unit Cost	0.081	0.086	+6.17

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Original UCR Baseline (Jun 2008 APB)	Current Estimate (Dec 2014 SAR)	
Program Acquisition Unit Cost			
Cost	1410.9	1557.9	
Quantity	12809	12805	
Unit Cost	0.110	0.122	+10.91
Average Procurement Unit Cost			
Cost	956.0	1101.5	
Quantity	12809	12805	
Unit Cost	0.075	0.086	+14.67

IDECM Blocks 2/3

Unit Cost History



Item	Date	BY 2008 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	Jun 2008	0.110	0.075	0.120	0.089
APB as of January 2006	N/A	N/A	N/A	N/A	N/A
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	Jun 2011	0.110	0.075	0.120	0.089
Current APB	Feb 2014	0.117	0.081	0.130	0.100
Prior Annual SAR	Dec 2013	0.122	0.086	0.146	0.115
Current Estimate	Dec 2014	0.122	0.086	0.145	0.114

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)									
Initial PAUC Production Estimate	Changes								PAUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.120	0.000	-0.001	0.019	0.000	0.004	0.000	0.003	0.025	0.145

Current SAR Baseline to Current Estimate (TY \$M)									
Initial APUC Production Estimate	Changes								APUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.089	0.000	-0.001	0.019	0.000	0.004	0.000	0.003	0.025	0.114

SAR Baseline History					
Item	SAR Planning Estimate	SAR Development Estimate	SAR Production Estimate	Current Estimate	
Milestone I		N/A	N/A	N/A	N/A
Milestone II		N/A	N/A	N/A	N/A
Milestone III		N/A	N/A	Nov 2003	Nov 2003
IOC		N/A	N/A	Sep 2004	Sep 2004
Total Cost (TY \$M)		N/A	N/A	1535.2	1852.3
Total Quantity		N/A	N/A	12809	12805
PAUC		N/A	N/A	0.120	0.145

Milestone III and IOC dates in the table above reflects IDECM Block 2 only.

IDECM Block 4

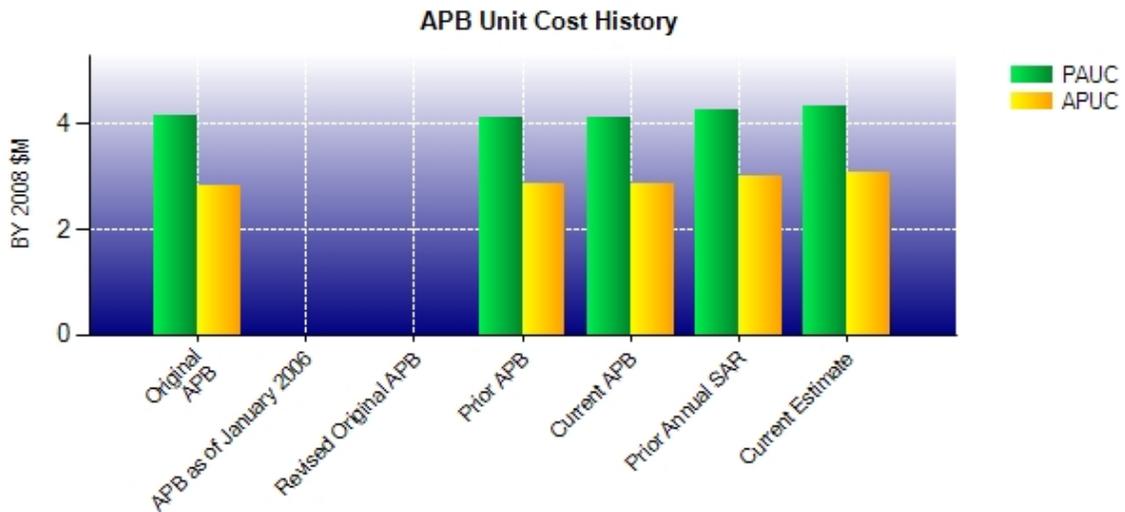
Unit Cost Report

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Current UCR Baseline (Feb 2014 APB)	Current Estimate (Dec 2014 SAR)	
Program Acquisition Unit Cost			
Cost	781.7	819.0	
Quantity	190	190	
Item	4.114	4.311	+4.79
Average Procurement Unit Cost			
Cost	541.9	581.8	
Quantity	190	190	
Unit Cost	2.852	3.062	+7.36

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Original UCR Baseline (Jun 2008 APB)	Current Estimate (Dec 2014 SAR)	
Program Acquisition Unit Cost			
Cost	660.7	819.0	
Quantity	160	190	
Unit Cost	4.129	4.311	+4.41
Average Procurement Unit Cost			
Cost	451.2	581.8	
Quantity	160	190	
Unit Cost	2.820	3.062	+8.58

IDECM Block 4

Unit Cost History



Item	Date	BY 2008 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	Jun 2008	4.129	2.820	4.663	3.262
APB as of January 2006	N/A	N/A	N/A	N/A	N/A
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	Apr 2012	4.114	2.852	4.543	3.206
Current APB	Feb 2014	4.114	2.852	4.543	3.206
Prior Annual SAR	Dec 2013	4.245	3.008	4.877	3.548
Current Estimate	Dec 2014	4.311	3.062	4.929	3.588

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)									
Initial PAUC Development Estimate	Changes								PAUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.663	-0.079	-0.369	0.332	0.333	-0.228	0.000	0.277	0.266	4.929

Current SAR Baseline to Current Estimate (TY \$M)									
Initial APUC Development Estimate	Changes								APUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
3.262	-0.067	-0.148	0.332	0.000	-0.068	0.000	0.277	0.326	3.588

SAR Baseline History					
Item	SAR Planning Estimate	SAR Development Estimate	SAR Production Estimate	Current Estimate	
Milestone A		N/A	N/A	N/A	N/A
Milestone B		N/A	Mar 2009	N/A	N/A
Milestone C		N/A	Mar 2012	N/A	N/A
IOC		N/A	Feb 2014	N/A	May 2015
Total Cost (TY \$M)		N/A	746.1	N/A	936.5
Total Quantity		N/A	160	N/A	190
PAUC		N/A	4.663	N/A	4.929

Cost Variance

IDECM Blocks 2/3

Summary TY \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Production Estimate)	391.0	1144.2	--	1535.2
Previous Changes				
Economic	-1.3	+6.4	--	+5.1
Quantity	--	-11.2	--	-11.2
Schedule	--	+240.9	--	+240.9
Engineering	--	--	--	--
Estimating	+1.3	+52.0	--	+53.3
Other	--	--	--	--
Support	--	+45.1	--	+45.1
Subtotal	--	+333.2	--	+333.2
Current Changes				
Economic	--	-7.1	--	-7.1
Quantity	--	--	--	--
Schedule	--	-1.3	--	-1.3
Engineering	--	--	--	--
Estimating	--	+0.7	--	+0.7
Other	--	--	--	--
Support	--	-8.4	--	-8.4
Subtotal	--	-16.1	--	-16.1
Total Changes	--	+317.1	--	+317.1
CE - Cost Variance	391.0	1461.3	--	1852.3
CE - Cost & Funding	391.0	1461.3	--	1852.3

Summary BY 2008 \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Production Estimate)	454.9	956.0	--	1410.9
Previous Changes				
Economic	--	--	--	--
Quantity	--	-10.5	--	-10.5
Schedule	--	+87.1	--	+87.1
Engineering	--	--	--	--
Estimating	+1.5	+36.1	--	+37.6
Other	--	--	--	--
Support	--	+33.8	--	+33.8
Subtotal	+1.5	+146.5	--	+148.0
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	+3.3	--	+3.3
Engineering	--	--	--	--
Estimating	--	+1.0	--	+1.0
Other	--	--	--	--
Support	--	-5.3	--	-5.3
Subtotal	--	-1.0	--	-1.0
Total Changes	+1.5	+145.5	--	+147.0
CE - Cost Variance	456.4	1101.5	--	1557.9
CE - Cost & Funding	456.4	1101.5	--	1557.9

Previous Estimate: December 2013

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-7.1
Acceleration of procurement buy profile for ALE-55 Fiber-Optic Towed Decoy (FOTD) from FY 2046 to FY 2045. (Schedule)	0.0	-5.2
Additional schedule variance for accelerating the buy profile of ALE-55 FOTD from FY 2046 to FY 2045. (Schedule)	+3.3	+3.9
Adjustment for current and prior escalation. (Estimating)	+0.3	+0.2
Revised estimate to reflect actuals. (Estimating)	+0.7	+0.5
Adjustment for current and prior escalation. (Support)	-0.1	0.0
Decrease in Other Support to reflect revised Government in-house support due to acceleration of end of program from FY 2046 to FY 2045. (Support)	-5.2	-8.4
Procurement Subtotal	-1.0	-16.1

Cost Variance

IDECM Block 4

Summary TY \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Development Estimate)	224.2	521.9	--	746.1
Previous Changes				
Economic	-2.0	-5.4	--	-7.4
Quantity	--	+69.8	--	+69.8
Schedule	--	+61.6	--	+61.6
Engineering	+63.3	--	--	+63.3
Estimating	-32.9	-34.3	--	-67.2
Other	--	--	--	--
Support	--	+60.5	--	+60.5
Subtotal	+28.4	+152.2	--	+180.6
Current Changes				
Economic	-0.4	-7.3	--	-7.7
Quantity	--	--	--	--
Schedule	--	+1.5	--	+1.5
Engineering	--	--	--	--
Estimating	+2.5	+21.4	--	+23.9
Other	--	--	--	--
Support	--	-7.9	--	-7.9
Subtotal	+2.1	+7.7	--	+9.8
Total Changes	+30.5	+159.9	--	+190.4
CE - Cost Variance	254.7	681.8	--	936.5
CE - Cost & Funding	254.7	681.8	--	936.5

Summary BY 2008 \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Development Estimate)	209.5	451.2	--	660.7
Previous Changes				
Economic	--	--	--	--
Quantity	--	+59.5	--	+59.5
Schedule	--	+42.0	--	+42.0
Engineering	+57.9	--	--	+57.9
Estimating	-32.4	-28.2	--	-60.6
Other	--	--	--	--
Support	--	+47.0	--	+47.0
Subtotal	+25.5	+120.3	--	+145.8
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	+2.2	+17.3	--	+19.5
Other	--	--	--	--
Support	--	-7.0	--	-7.0
Subtotal	+2.2	+10.3	--	+12.5
Total Changes	+27.7	+130.6	--	+158.3
CE - Cost Variance	237.2	581.8	--	819.0
CE - Cost & Funding	237.2	581.8	--	819.0

Previous Estimate: December 2013

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-0.4
Adjustment for current and prior escalation. (Estimating)	+0.2	+0.2
Revised estimate to reflect actuals. (Estimating)	+2.0	+2.3
RDT&E Subtotal	+2.2	+2.1

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-7.3
Estimate adjusted to reflect changes in procurement buy profile for ALQ-214 in FY 2015 thru FY 2021. (Schedule)	0.0	+1.5
Revised estimate to reflect actuals. (Estimating)	+6.0	+7.1
Revised estimate to reflect procurement quantity of 6 ALQ-214 systems in FY 2021 which is below economical rate of 12 ALQ-214 systems. (Estimating)	+9.6	+12.3
Adjustment for current and prior escalation. (Estimating)	+1.7	+2.0
Adjustment for current and prior escalation. (Support)	+0.6	+0.6
Decrease in Other Support to reflect revised Government in-house estimate. (Support)	-2.2	-2.4
Decrease in Initial Spares and Repair of Repairables to reflect actual costs incurred. (Support)	-5.4	-6.1
Procurement Subtotal	+10.3	+7.7

Contracts

Contract Identification

Appropriation: RDT&E
Contract Name: IDECM Block 4 (ALQ-214) ECP
Contractor: ITT Exelis
Contractor Location: 77 River Road
 Clifton, NJ 07014
Contract Number: N00019-10-C-0022
Contract Type: Firm Fixed Price (FFP)
Award Date: December 17, 2009
Definitization Date: July 28, 2010

Contract Price							
Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
5.0	N/A	N/A	113.5	N/A	N/A	113.5	113.5

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the incremental funding of this contract with RDT&E funds and the addition of the repair and field support CLINs.

Cost and Schedule Variance Explanations

Cost and Schedule Variance reporting is not required on this (FFP) contract.

Notes

This contract is more than 90% complete; therefore, this is the final report for this contract.

Contract Identification

Appropriation: Procurement
Contract Name: IDECM Block 4 (ALQ-214) FRP 9, 10 & 11
Contractor: ITT Exelis
Contractor Location: 77 River Road
 Clifton, NJ 07014
Contract Number: N00019-12-C-0002
Contract Type: Firm Fixed Price (FFP)
Award Date: April 16, 2012
Definitization Date: August 27, 2014

Contract Price							
Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
64.3	N/A	23	291.6	N/A	131	291.6	291.6

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the addition of two ALQ-214 systems and the award of FRPs 10 and 11.

Cost and Schedule Variance Explanations

Cost and Schedule Variance reporting is not required on this (FFP) contract.

Contract Identification

Appropriation: Procurement
Contract Name: IDECM Block 3 (ALE-55/EFC) FRP 2, 3 & 4
Contractor: BAE Systems
Contractor Location: 66 Spit Brook Road
 Nashua, NH 06060
Contract Number: N00019-13-C-0010
Contract Type: Firm Fixed Price (FFP)
Award Date: December 17, 2012
Definitization Date: November 26, 2013

Contract Price							
Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
50.8	N/A	660	80.8	N/A	1007	80.8	80.8

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the award of FRP 4.

Cost and Schedule Variance Explanations

Cost and Schedule Variance reporting is not required on this (FFP) contract.

Deliveries and Expenditures

IDECM Blocks 2/3

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	1645	1667	12805	13.02%
Total Program Quantity Delivered	1645	1667	12805	13.02%

Expended and Appropriated (TY \$M)			
Total Acquisition Cost	1852.3	Years Appropriated	21
Expended to Date	815.4	Percent Years Appropriated	41.18%
Percent Expended	44.02%	Appropriated to Date	896.2
Total Funding Years	51	Percent Appropriated	48.38%

The above data is current as of February 02, 2015.

Deliveries reflect 85 ALQ-214s and 1,582 Fiber Optic Towed Decoys (FOTD). ALQ-214 deliveries are complete. FOTD deliveries are currently ahead of schedule. Expenditures reflect IDECM Block 2/3 RDT&E, Aircraft Procurement, Navy (APN -5) and Procurement of Ammunition, Navy and Marine Corps.

IDECM Block 4

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	7	7	190	3.68%
Total Program Quantity Delivered	7	7	190	3.68%

Expended and Appropriated (TY \$M)			
Total Acquisition Cost	936.5	Years Appropriated	8
Expended to Date	203.5	Percent Years Appropriated	50.00%
Percent Expended	21.73%	Appropriated to Date	547.7
Total Funding Years	16	Percent Appropriated	58.48%

The above data is current as of February 02, 2015.

Operating and Support Cost

IDECM Blocks 2/3

Cost Estimate Details

Date of Estimate:	February 01, 2015
Source of Estimate:	POE
Quantity to Sustain:	85
Unit of Measure:	System
Service Life per Unit:	20.00 Years
Fiscal Years in Service:	FY 2006 - FY 2033

System - ALQ-214 (V)3

The ALE-55(V) is an expendable and not included in the quantity of systems to sustain.

Flight Hours per aircraft per month: 30

Number of Operating System Years: 1,770

Total Life Cycle Flight Hours: 63,720

Sustainment Strategy

The maintenance concept for the ALQ-214(V)2/3 and ALE-55(V) is two levels, Organizational to Depot. Organizational Level activities will include: removal and replacement of faulty Weapons Replacement Assemblies (WRAs) identified by Built In Test (BIT)/Maintenance Service Panel (MSP) Code; removal and replacement of the Magazine containing the faulty decoy identified by BIT/MSP Code; loading of Operational Flight Program/Mission Data File with Memory Loader Verifier System as required; retest by BIT to verify repair action; end-to-end testing with Organizational Support Equipment (OSE) as required; corrosion control and phase inspections. Maintenance Support for the IDECM Blocks 2/3 is performed by fleet personnel. There are presently no Contractor Engineering & Technical Services or United States Navy Engineering & Technical Services representatives. If additional support is required, the Type Commander can then request technical assistance for the IDECM Deputy Assistant Program Manager Logistics (DAPML). The DAPML will assess the issue and request support from the Fleet Support Team (FST) and/or Original Equipment Manufacturer (OEM).

Depot Level activities will include: removal and replacement of faulty modules/parts to the component or Shop Replaceable Assembly (SRA) level and verification of repair. Depot level maintenance consists of inspection, test, troubleshooting, repair, overhaul and disposal of WRAs/SRAs which are beyond repair. Depot support is provided by the OEMs managed by the Naval Supply System Command Weapons Systems Support, Philadelphia.

The ALQ-214(V)2/3 and ALE-55(V) will contain a BIT capability consisting of Periodic BIT (PBIT) and Initiated BIT (IBIT). IBIT will be used as a preflight and maintenance test on the ground when commanded by the mission computer or other controller. These BIT test determine if the ALQ-214(V)2/3 WRAs and the ALE-55(V) are operational. PBIT provides automatic and continuous monitoring of mission critical parameters on a background basis during normal system operation. PBIT will not fault isolate but will give clear indications of mission critical failures signaling that IBIT needs to be run. IBIT consists of a series of tests to assess the operational status of the system as well as fault isolate problem hardware. End-to-end testing with utilizing a combination of OSE and BIT as required. On the F/A-18E/F, the ALE-55(V) IBIT is run simultaneously with the ALQ-214(V)2/3.

A Maintenance Plan (MaPI) for IDECM Blocks 2/3 is currently available to support the logistics program. The MaPIs are updated as necessary to reflect configuration changes. IDECM Blocks 2/3 MaPI is a deliverable from the Logistics Management Information database and contains all necessary information for interim supply support and development of

source data for the F/A-18 Interactive Electronic Technical Manual. The FST at Jacksonville presently manages the MaPIs for the ALQ-214(V)2/3 and ALE-55(V).

Antecedent Information

- Antecedent program: Aircraft Self Protection Jammer (ASPJ)
- # of Aircraft Operating Years: 1,770 (Not actual, but used in order to provide a comparison between the ALQ-214(V)3 Suite and its antecedent system)

The BY Antecedent Average Annual Cost per System is derived from total FY 2009 - FY 2011 cost from Naval Visibility and Management of Operating and Support Costs database Naval Aviation Maintenance Subsystem Report (NAMSR) divided by the total number of systems in NAMSR for FY 2009 - FY 2011. This value is then multiplied by the total number of operating system years associated with the ALQ-214(V)3 Suite to provide a point of comparison.

Annual O&S Costs BY2008 \$K			
Cost Element	IDECM Blocks 2/3 Average Annual Cost Per System		Aircraft Self Protection Jammer (ASPJ) (Antecedent) Average Annual Cost Per ASPJ
Unit-Level Manpower	0.000		0.000
Unit Operations	0.000		0.000
Maintenance	97.200		91.883
Sustaining Support	10.500		8.307
Continuing System Improvements	20.100		7.692
Indirect Support	0.000		0.000
Other	0.000		0.000
Total	127.800		107.882

Item	Total O&S Cost \$M			
	IDECM Blocks 2/3			Aircraft Self Protection Jammer (ASPJ) (Antecedent)
	Current Production APB Objective/Threshold	Current Estimate		
Base Year	226.3	248.9	226.3	190.9
Then Year	290.6	N/A	290.6	N/A

Equation to Translate Annual Cost to Total Cost

The Average Annual Cost Per Aircraft for the ALQ-214(V)3 Suite is calculated by dividing the Total O&S Cost by the Total Operational System Years for the program.

ALQ-214(V)3 Total O&S Cost = ALQ-214(V)3 Annual O&S Cost per System * Total Operating System Years
 \$226.3K Total O&S Cost = \$127.8K / System / Year * 1,770 Operating Years

O&S Cost Variance		
Category	BY 2008 \$M	Change Explanations
Prior SAR Total O&S Estimates - Dec	226.3	

2013 SAR

Programmatic/Planning Factors	0.0
Cost Estimating Methodology	0.0
Cost Data Update	0.0
Labor Rate	0.0
Energy Rate	0.0
Technical Input	0.0
Other	0.0
Total Changes	0.0
Current Estimate	226.3

Disposal Estimate Details

Date of Estimate: February 01, 2015
Source of Estimate: POE
Disposal/Demilitarization Total Cost (BY 2008 \$M): Total costs for disposal of all System are 0.7

While these costs are not part of the Cost Assessment and Program Evaluation 2007 O&S Cost Element Structure and hence are not included in the totals above, their Life Cycle Cost impact has been estimated at \$0.680 BY 2008 \$M and \$1.059 TY \$M.

IDECM Block 4

Cost Estimate Details

Date of Estimate:	February 01, 2014
Source of Estimate:	POE
Quantity to Sustain:	190
Unit of Measure:	System
Service Life per Unit:	20.00 Years
Fiscal Years in Service:	FY 2014 - FY 2042

System - ALQ-214

Flight Hours per aircraft per month: 30

Number of Operating System Years: 3,800

Total Life Cycle Flight Hours: 684,000

Sustainment Strategy

The IDECM Block 4 (IB-4), ALQ-214(V)4/5, is an Engineering Change Proposal to the ALQ-214(V)3 and as such will follow the same sustainment strategy and infrastructure established for the fielded ALQ-214(V)3.

The maintenance concept for the ALQ-214(V)4/5 is two levels, Organizational to Depot. Organizational Level activities will include: removal and replacement of faulty Weapons Replacement Assemblies (WRAs) identified by Built In Test (BIT)/Maintenance Service Panel Code; loading of Operational Flight Program/Mission Data File with Memory Loader Verifier System as required; retest by BIT to verify repair action; end-to-end testing with Organizational Support Equipment (OSE) as required; corrosion control and phase inspections. Maintenance Support for the IB-4 is performed by fleet personnel. There are presently no Contractor Engineering & Technical Services or Navy Engineering & Technical Services representatives. If additional support is required, the Type Commander can then request technical assistance for the IDECM Deputy Assistant Program Manager Logistics (DAPML). The DAPML will assess the issue and request support from the Fleet Support Team (FST) and/or Original Equipment Manufacturer (OEM).

Depot Level activities will include: removal and replacement of faulty modules/parts to the component or Shop Replaceable Assembly (SRA) level and verification of repair. Depot level maintenance consists of inspection, test, troubleshooting, repair, overhaul and disposal of WRAs/SRAs which are beyond repair. Depot support is provided by the OEMs managed by the Naval Supply Systems Command Weapon Systems Support, Philadelphia.

The ALQ-214(V)4/5 contain a BIT capability consisting of Periodic BIT (PBIT) and Initiated BIT (IBIT). IBIT is used as a preflight and maintenance test on the ground when commanded by the mission computer or other controller. These BIT determine if the ALQ-214(V)4/5 WRAs are operational. PBIT provides automatic and continuous monitoring of mission critical parameters on a background basis during normal system operation. PBIT will not fault isolate but will give clear indications of mission critical failures signaling that IBIT needs to be run. IBIT consists of a series of tests to assess the operational status of the system as well as fault isolate problem hardware. End-to-end testing utilizes a combination of OSE and BIT as required.

A preliminary Maintenance Plan (MaPI) for IB-4 is currently available to support the logistics program. The MaPIs will be updated as necessary to reflect configuration changes. IB-4 MaPI is a deliverable from the Logistics Management Information database and contains all necessary information for interim supply support and development of source data for the F/A-18 Interactive Electronic Technical Manual. Following IOC, IB-4 MaPI management will transition to the FST at Fleet Readiness Center-Southeast, In-Service Support Center, Jacksonville, Florida.

Antecedent Information

- Antecedent program: Aircraft Self Protection Jammer (ASPJ)
- # of Aircraft Operating Years: 3,800 (Not actual, but used in order to provide a comparison between the ALQ-214(V) 4 Suite and its antecedent system)

The BY Antecedent Average Annual Cost per System is derived from total FY 2009 - FY 2011 cost from Naval Visibility and Management of Operating and Support Costs database Naval Aviation Maintenance Subsystem Report (NAMSR) divided by the total number of systems in NAMSR for FY 2009 - FY 2011. This value is then multiplied by the total number of operating system years associated with ALQ-214(V)4 Suite to provide a point of comparison.

Annual O&S Costs BY2008 \$K			
Cost Element	IDECM Block 4 Average Annual Cost Per System		Aircraft Self Protection Jammer (ASPJ) (Antecedent) Average Annual Cost Per ASPJ
Unit-Level Manpower	0.000		0.000
Unit Operations	0.000		0.000
Maintenance	55.341		91.883
Sustaining Support	3.809		8.307
Continuing System Improvements	10.506		7.692
Indirect Support	0.000		0.000
Other	0.000		0.000
Total	69.656		107.882

Item	Total O&S Cost \$M			
	IDECM Block 4			Aircraft Self Protection Jammer (ASPJ) (Antecedent)
	Current Development APB Objective/Threshold	Current Estimate		
Base Year	264.7	291.2	264.7	409.9
Then Year	378.8	N/A	378.8	N/A

Equation to Translate Annual Cost to Total Cost

The Average Annual Cost Per Aircraft for the ALQ-214(V)4 Suite is calculated by dividing the Total O&S Cost by the Total Operational System Years for the program.

ALQ-214(V)4 Total O&S Cost = ALQ-214(V)4 Annual O&S Cost per System * Total Operating System Years
 \$264.7K Total O&S Cost = \$69.7K / System / Year * 3,800 Operating Years

O&S Cost Variance		
Category	BY 2008 \$M	Change Explanations
Prior SAR Total O&S Estimates - Dec 2013 SAR	264.7	
Programmatic/Planning Factors	0.0	
Cost Estimating Methodology	0.0	
Cost Data Update	0.0	

Labor Rate	0.0
Energy Rate	0.0
Technical Input	0.0
Other	0.0
Total Changes	0.0
Current Estimate	264.7

Disposal Estimate Details

Date of Estimate:	February 01, 2015
Source of Estimate:	POE
Disposal/Demilitarization Total Cost (BY 2008 \$M):	Total costs for disposal of all System are 1.5

While these costs are not part of the CAPE 2007 O&S Cost Element Structure and hence are not included in the totals above, their Life Cycle Cost impact has been estimated at \$1.520M BY 2008 \$M and \$2.490 TY \$M.