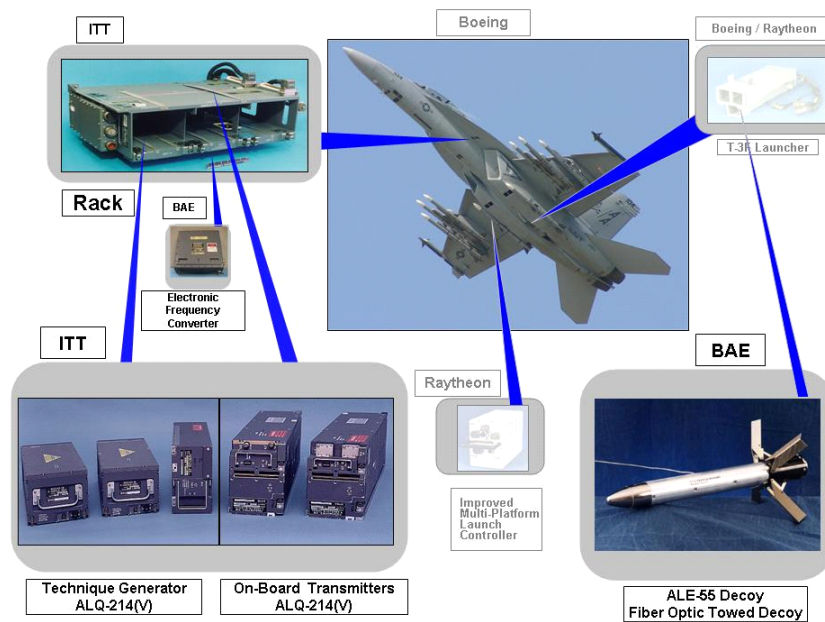




# Selected Acquisition Report (SAR)

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



## IDECM

As of December 31, 2010

Defense Acquisition Management  
Information Retrieval  
(DAMIR)

**Table of Contents**

Program Information .....	3
Responsible Office .....	3
References .....	3
Mission and Description .....	4
Executive Summary .....	5
Threshold Breaches .....	6
Schedule .....	7
Performance .....	10
Track To Budget .....	12
Cost and Funding .....	14
Low Rate Initial Production .....	30
Nuclear Cost .....	31
Foreign Military Sales .....	31
Unit Cost .....	32
Cost Variance .....	38
Contracts .....	44
Deliveries and Expenditures .....	48
Operating and Support Cost .....	49

## Program Information

### Designation And Nomenclature (Popular Name)

Integrated Defensive Electronic Countermeasures (IDECM)

### DoD Component

Navy

## Responsible Office

### Responsible Office

CAPT Paul Overstreet, USN  
 Program Executive Office (TACAIR), PMA-272  
 Bldg 2272, Suite 535  
 47123 Buse Rd  
 Patuxent River, MD 20670-1547  
[paul.overstreet@navy.mil](mailto:paul.overstreet@navy.mil)

**Phone** 301-757-7951  
**Fax** 301-757-6035  
**DSN Phone** 757-7951  
**DSN Fax** 757-6035

**Date Assigned** October 3, 2008

## References

### IDECM Blocks 2/3

#### SAR Baseline (Production Estimate)

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

#### Approved APB

NAE Approved Acquisition Program Baseline (APB) dated July 10, 2009

### IDECM Block 4

#### SAR Baseline (Development Estimate)

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

#### Approved APB

NAE Approved Acquisition Program Baseline (APB) dated July 10, 2009

## 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 (4) IDECM variants in development, production, or sustainment. Blocks 1-3 are compatible with F/A-18E/F aircraft only. Block 4 will be 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 (FOTD)

IDECM Block 4: An Engineering Change Proposal (ECP) 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 Full Rate Production (FRP) and all production contracts are performing well. To date, 249 ALQ-214(V)3 production systems (62 APN-5 systems, 187 APN-1 systems) have been delivered under Low Rate Initial Production (LRIP) 1 through FRP 5, and all deliveries have been at least one month ahead of the contracted schedule.

IDECM Block-3 (IB-3) ALE-55. The ALE-55 LRIP 6 contract, with an option for FRP 1 was awarded on June 28, 2010. LRIP 4 Fiber Optic Towed Decoy (FOTD) deliveries completed November 2010, three months behind contractual schedule. Thirty out of the fifty-four contractually required Electronic Frequency Converters (EFCs) have been delivered. Current plans have LRIP 4 EFC deliveries concluding in May 2011, six months behind contractual schedule. LRIP 5 EFC deliveries were scheduled to begin November 2010, current projections indicated deliveries beginning May 2011, six months behind the contractual schedule. BAE and the associated material supply chain continue to experience start-up issues that require corrective actions and are negatively impacting the delivery schedule. These start-up issues have currently been mitigated with regard to FOTDs. However, EFC deliveries continue to be delayed due to issues with the Low Voltage Power Supply (LVPS). Efforts to address the LVPS issues have been implemented, Validation & Verification (V&V) testing is underway and the production deliveries for the EFC have been re-planned. Recovery to contract delivery schedule is expected in May 2011. Execution of VCD and planned IOC are not impacted by these late deliveries.

IDECM Block-4 (IB-4) ALQ-214 ECP. The ALQ-214 ECP Critical Design Review (CDR) was successfully completed in May 2010. AIR-4.2 updated the cost estimate and identified an Operations & Support (O&S) cost deviation to the APB. The O&S cost estimate increased due to use of an incorrectly calculated Mean Time Between Failure (MTBF), which resulted in an artificially low estimate of the number of failures and associated repair costs. A Program Deviation Report was routed and the IDECM APB Change 2 was approved on October 18, 2010. IB-4 requires cost re-baseline to address an increase of funds in Presidents Budget (PB) 2012. The Research, Development Test & Evaluation (RDT&E) breach is due to an increase of funds for software improvement for Digital Radio Frequency Memory (DRFM) Jamming. The procurement breach is due to an increase of funds to procure additional IB-4 systems. The RDT&E and procurement breaches have been documented in a PDR and is currently in routing. This will be Change 3 to the IDECM APB which will accompany the PDR.

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

### Threshold Breaches

**IDECM Blocks 2/3**

APB Breaches		
--------------	--	--

<b>Schedule</b>		<input type="checkbox"/>
<b>Performance</b>		<input type="checkbox"/>
<b>Cost</b>	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
<b>Unit Cost</b>	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

Nunn-McCurdy Breaches		
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<b>Current UCR Baseline</b>		
	PAUC	None
	APUC	None
<b>Original UCR Baseline</b>		
	PAUC	None
	APUC	None

**IDECM Block 4**

APB Breaches		
--------------	--	--

<b>Schedule</b>		<input type="checkbox"/>
<b>Performance</b>		<input type="checkbox"/>
<b>Cost</b>	RDT&E	<input checked="" type="checkbox"/>
	Procurement	<input checked="" type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
<b>Unit Cost</b>	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

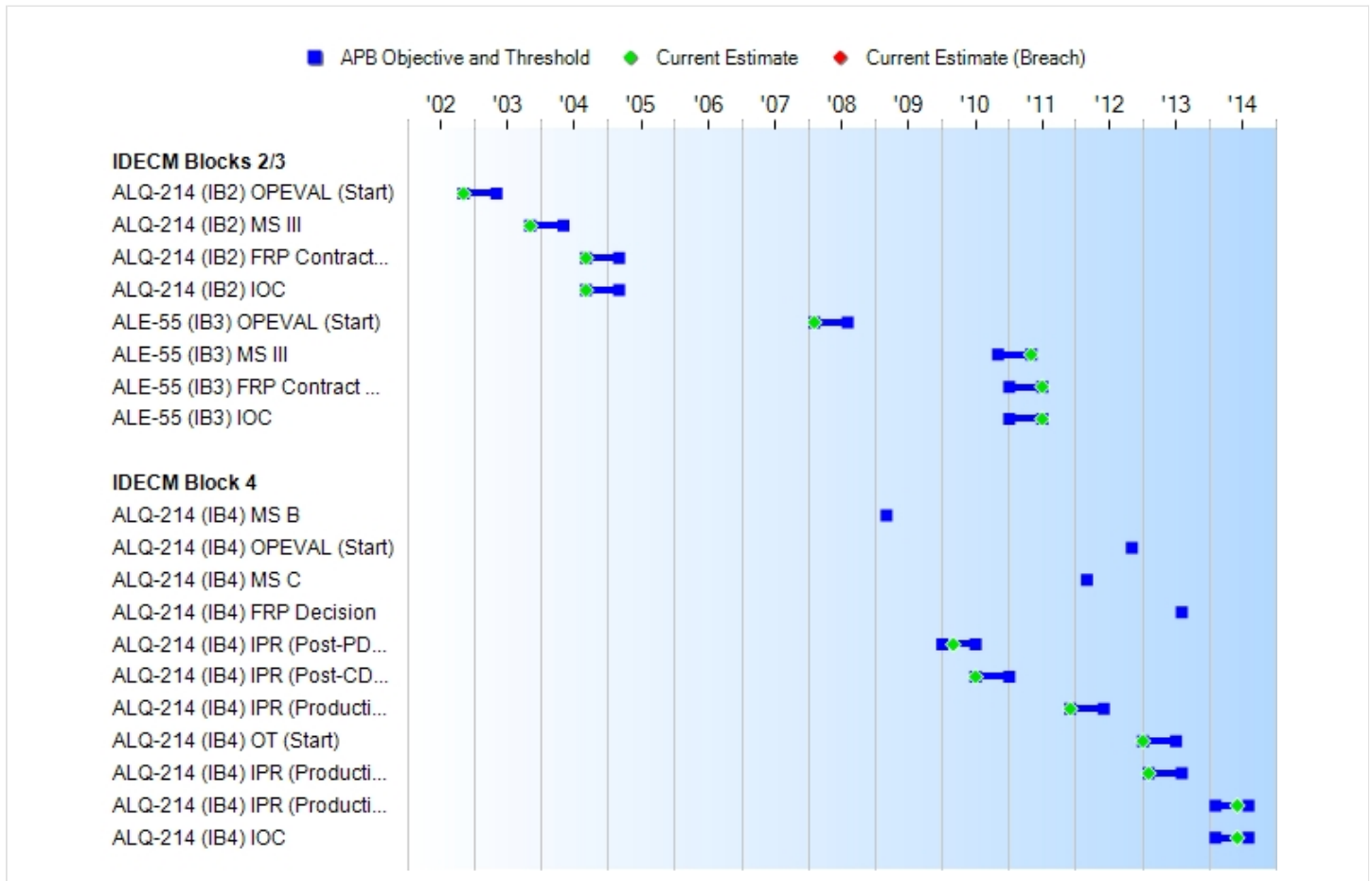
**Explanation of Breach**

IDECM Block 4 (IB-4) requires cost re-baseline to address an increase of funds in Presidents Budget (PB) 2012. The Research, Development, Test & Evaluation (RDT&E) breach is due to an increase of funds for software improvement for Digital Radio Frequency Memory (DRFM) Jamming. The procurement breach is due to an increase of funds to procure additional IB-4 systems. The RDT&E and procurement breaches have been documented in a Program Deviation Report (PDR) and is currently in routing. This will be Change 3 to the IDECM APB which will accompany the PDR.

Nunn-McCurdy Breaches		
-----------------------	--	--

<b>Current UCR Baseline</b>		
	PAUC	None
	APUC	None
<b>Original UCR Baseline</b>		
	PAUC	None
	APUC	None

### Schedule



IDECM Blocks 2/3					
Milestones	SAR Baseline Prod Est	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	NOV 2010	MAY 2011	MAY 2011	(Ch-1)
ALE-55 (IB3) FRP Contract Award	FEB 2009	JAN 2011	JUL 2011	JUL 2011	(Ch-2)
ALE-55 (IB3) IOC	FEB 2010	JAN 2011	JUL 2011	JUL 2011	(Ch-3)

### Acronyms And Abbreviations

FRP - Full Rate Production  
 IB2 - IDECM Block 2  
 IB3 - IDECM Block 3  
 IOC - Initial Operational Capability  
 MS - Milestone  
 OPEVAL - Operational Evaluation

**Change Explanations**

(Ch-1) IB-3 MS III current estimate changed from January 2011 to May 2011 due to the late start of Verification of Correction of Deficiencies (VCD) Operational Test (OT) which is now underway.

(Ch-2) IB-3 FRP Contract award current estimate was changed from February 2011 to July 2011 due to the late start of VCD OT which is now underway.

(Ch-3) IB-3 IOC current estimate changed from January 2011 to July 2011 due to the late start of VCD OT which is now underway.

<b>IDECM Block 4</b>				
<b>Milestones</b>	<b>SAR Baseline Dev Est</b>	<b>Current APB Production Objective/Threshold</b>		<b>Current Estimate</b>
ALQ-214 (IB4) MS B	MAR 2009	N/A	N/A	N/A
ALQ-214 (IB4) OPEVAL (Start)	NOV 2012	N/A	N/A	N/A
ALQ-214 (IB4) MS C	MAR 2012	N/A	N/A	N/A
ALQ-214 (IB4) FRP Decision	AUG 2013	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) IPR (Production Cut-in Review 1)	N/A	DEC 2011	JUN 2012	DEC 2011
ALQ-214 (IB4) OT (Start)	N/A	JAN 2013	JUL 2013	JAN 2013
ALQ-214 (IB4) IPR (Production Cut-in Review 2)	N/A	FEB 2013	AUG 2013	FEB 2013
ALQ-214 (IB4) IPR (Production Transition)	N/A	FEB 2014	AUG 2014	JUN 2014
ALQ-214 (IB4) IOC	FEB 2014	FEB 2014	AUG 2014	JUN 2014

(Ch-1)

**Acronyms And Abbreviations**

CDR - Critical Design Review  
 FRP - Full Rate Production  
 IB4 - IDECM Block 4  
 IOC - Initial Operational Capability  
 IPR - In-Process Review  
 LBA - Limits of Basic Airframe  
 MS - Milestone  
 OPEVAL - Operational Evaluation  
 OT - Operational Test  
 PDR - Preliminary Design Review



**Change Explanations**

(Ch-1) IB-4 IPR (Production Transition) current estimate was changed from February 2014 to June 2014 to reflect completion of detailed test plans which now project a later date for completion of Operational Test (OT).

**Performance**

<b>IDECM Blocks 2/3</b>					
<b>Characteristics</b>	<b>SAR Baseline Prod Est</b>	<b>Current APB Production Objective/Threshold</b>		<b>Demonstrated Performance</b>	<b>Current Estimate</b>
ALQ-214 (IB2/3 On-Board Jammer) Ao	0.95	0.95	0.9	0.99	0.95
ALQ-214 (IB3 Off-Board Jammer) Ao	0.95	0.95	0.9	0.997	0.95
ALQ-214 (IB2) Operating Envelope	N/A	LBA	LBA	LBA	LBA

**Requirements Source:** On-Board Jammer Operational Requirement Document (ORD) 624-78-03 dated November 2003; Capability Production Document (CPD) No. 730-88-07 dated November 13, 2007.

**Acronyms And Abbreviations**

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

**Change Explanations**

None

<b>IDECM Block 4</b>					
<b>Characteristics</b>	<b>SAR Baseline Dev Est</b>	<b>Current APB Production Objective/Threshold</b>		<b>Demonstrated Performance</b>	<b>Current Estimate</b>
ALQ-214 (IB2/3/4 On-Board Jammer) Ao	0.95	0.95	0.9	TBD	0.9525
ALQ-214 (IB2) Operating Envelope	N/A	LBA	LBA	TBD	LBA
ALQ-214 (IB2/3/4 On-board Jammer) Operational Availability	Ao >= 0.95	Ao >= 0.95	Ao >= 0.9	TBD	Ao >= 0.95

**Requirements Source:** On-Board Jammer ORD 624-78-03 dated November 2003.

**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

**Change Explanations**

None

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

**Track To Budget**

**IDECM Blocks 2/3**

**RDT&E**

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

**Procurement**

APPN 1506	BA 05	PE 0204161N	(Navy)
	ICN 05760	Common Electronic Countermeasures	(Sunk)
APPN 1508	BA 01	PE 0204162N	(Navy)
	ICN 01820	Air Expendable Countermeasures	

**Track To Budget**

**IDECM Block 4**

**RDT&E**

APPN 1319	BA 05	PE 0604270N	(Navy)
	Project 2175	Tactical Air Electronic Warfare	

**Procurement**

APPN 1506	BA 05	PE 0204161N	(Navy)
	ICN 05760	Common Electronic Countermeasures	(Shared)

## Cost and Funding

### Cost Summary - Total Program

#### Total Acquisition Cost and Quantity - Total Program

Appropriation	BY2008 \$M			BY2008 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	664.4	664.4	--	696.2	615.2	615.2	645.1
Procurement	1407.2	1407.2	--	1567.5	1666.1	1666.1	1865.4
Flyaway	1116.7	--	--	1212.5	1355.9	--	1487.7
Recurring	1103.6	--	--	1205.5	1340.1	--	1480.6
Non Recurring	13.1	--	--	7.0	15.8	--	7.1
Support	290.5	--	--	355.0	310.2	--	377.7
Other Support	171.9	--	--	196.8	194.3	--	218.4
Initial Spares	118.6	--	--	158.2	115.9	--	159.3
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	2071.6	N/A	2263.7	2281.3	2281.3	2510.5

## Cost and Funding

### Cost Summary - IDECM Blocks 2/3

#### Total Acquisition Cost and Quantity - IDECM Blocks 2/3

Appropriation	BY2008 \$M			BY2008 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold	Current Estimate	Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	454.9	454.9	500.4	456.4	391.0	391.0	391.0
Procurement	956.0	956.0	1051.6	1025.6	1144.2	1144.2	1256.3
Flyaway	759.4	--	--	800.6	941.0	--	1023.8
Recurring	759.4	--	--	793.6	941.0	--	1016.7
Non Recurring	0.0	--	--	7.0	0.0	--	7.1
Support	196.6	--	--	225.0	203.2	--	232.5
Other Support	117.5	--	--	145.5	131.5	--	160.8
Initial Spares	79.1	--	--	79.5	71.7	--	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
<b>Total</b>	<b>1410.9</b>	<b>1410.9</b>	<b>N/A</b>	<b>1482.0</b>	<b>1535.2</b>	<b>1535.2</b>	<b>1647.3</b>

#### IDECM Block 2/3 Initial Spares Breakout:

FY 2002 - \$34.7M  
 FY 2003 - \$21.5M  
 FY 2004 - \$14.0M  
 FY 2005 - \$ 1.5M

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	0	0	0
Procurement	12809	12809	12805
<b>Total</b>	<b>12809</b>	<b>12809</b>	<b>12805</b>

The RDT&E quantity does not include 200 ALE-55 systems, procured for development and test, which are not fully configured for fleet use.

Procurement costs include the ALQ-214, Electronic Frequency Converter (EFC) and ALE-55 decoy. The quantity shown includes only the ALQ-214 and the ALE-55 decoy.

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.

### Cost Summary - IDECM Block 4

#### Total Acquisition Cost and Quantity - IDECM Block 4

Appropriation	BY2008 \$M			BY2008 \$M	TY \$M		
	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Current Estimate	SAR Baseline Dev Est	Current APB Development Objective	Current Estimate
RDT&E	209.5	209.5	230.5	239.8 <sup>1</sup>	224.2	224.2	254.1
Procurement	451.2	451.2	496.3	541.9 <sup>1</sup>	521.9	521.9	609.1
Flyaway	357.3	--	--	411.9	414.9	--	463.9
Recurring	344.2	--	--	411.9	399.1	--	463.9
Non Recurring	13.1	--	--	0.0	15.8	--	0.0
Support	93.9	--	--	130.0	107.0	--	145.2
Other Support	54.4	--	--	51.3	62.8	--	57.6
Initial Spares	39.5	--	--	78.7	44.2	--	87.6
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	660.7	N/A	781.7	746.1	746.1	863.2

<sup>1</sup> APB Breach

IDECM Block 4 Initial Spares Breakout:

- FY 2012 - \$14.6M
- FY 2013 - \$23.1M
- FY 2014 - \$30.1M
- FY 2015 - \$ 7.3M
- FY 2016 - \$12.5M



Quantity	SAR Baseline Dev Est	Current APB Development	Current Estimate
RDT&E	0	0	0
Procurement	160	160	190
Total	160	160	190

The RDT&E quantity does not include 17 ALQ 214 systems, procured for development and test, which are not fully configured for fleet use.

Procurement costs include the ALQ-214 and Electronic Frequency Converter (EFC). The quantity shown includes only the ALQ-214.

The IDECM Block 4 (IB-4) ALQ-214 quantity increased by 24 systems due to an increase of funds received in Presidents Budget (PB) 2012 too buy additional systems.

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.

## Cost and Funding

### Funding Summary - Total Program

**Appropriation and Quantity Summary - Total Program**  
**FY2012 President's Budget / December 2010 SAR (TY\$ M)**

<b>Appropriation</b>	<b>Prior</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>To Complete</b>	<b>Total</b>
RDT&E	468.4	51.7	62.1	30.1	15.0	14.6	3.2	0.0	645.1
Procurement	385.2	37.9	100.6	118.4	141.6	126.0	177.0	778.7	1865.4
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
<b>PB 2012 Total</b>	<b>853.6</b>	<b>89.6</b>	<b>162.7</b>	<b>148.5</b>	<b>156.6</b>	<b>140.6</b>	<b>180.2</b>	<b>778.7</b>	<b>2510.5</b>
<b>PB 2011 Total</b>	<b>856.3</b>	<b>90.6</b>	<b>153.2</b>	<b>131.4</b>	<b>140.4</b>	<b>125.6</b>	<b>127.1</b>	<b>755.0</b>	<b>2379.6</b>
Delta	-2.7	-1.0	9.5	17.1	16.2	15.0	53.1	23.7	130.9

**Cost and Funding**

**Funding Summary - IDECM Blocks 2/3**

**Appropriation and Quantity Summary - IDECM Blocks 2/3  
FY2012 President's Budget / December 2010 SAR (TY\$ M)**

<b>Appropriation</b>	<b>Prior</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>To Complete</b>	<b>Total</b>
RDT&E	391.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391.0
Procurement	385.2	37.9	20.2	21.3	22.0	22.6	23.0	724.1	1256.3
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
<b>PB 2012 Total</b>	<b>776.2</b>	<b>37.9</b>	<b>20.2</b>	<b>21.3</b>	<b>22.0</b>	<b>22.6</b>	<b>23.0</b>	<b>724.1</b>	<b>1647.3</b>
<b>PB 2011 Total</b>	<b>776.8</b>	<b>38.9</b>	<b>20.2</b>	<b>21.3</b>	<b>22.0</b>	<b>22.6</b>	<b>23.0</b>	<b>718.3</b>	<b>1643.1</b>
<b>Delta</b>	<b>-0.6</b>	<b>-1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.8</b>	<b>4.2</b>

<b>Quantity</b>	<b>Undistributed</b>	<b>Prior</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>To Complete</b>	<b>Total</b>
Development	0	0	0	0	0	0	0	0	0	0
Production	0	819	321	343	344	370	380	384	9844	12805
<b>PB 2012 Total</b>	<b>0</b>	<b>819</b>	<b>321</b>	<b>343</b>	<b>344</b>	<b>370</b>	<b>380</b>	<b>384</b>	<b>9844</b>	<b>12805</b>
<b>PB 2011 Total</b>	<b>0</b>	<b>884</b>	<b>323</b>	<b>343</b>	<b>344</b>	<b>370</b>	<b>380</b>	<b>384</b>	<b>9777</b>	<b>12805</b>
<b>Delta</b>	<b>0</b>	<b>-65</b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>0</b>

**Funding Summary - IDECM Block 4**

**Appropriation and Quantity Summary - IDECM Block 4  
FY2012 President's Budget / December 2010 SAR (TY\$ M)**

Appropriation	Prior	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	To Complete	Total
RDT&E	77.4	51.7	62.1	30.1	15.0	14.6	3.2	0.0	254.1
Procurement	0.0	0.0	80.4	97.1	119.6	103.4	154.0	54.6	609.1
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 2012 Total	77.4	51.7	142.5	127.2	134.6	118.0	157.2	54.6	863.2
PB 2011 Total	79.5	51.7	133.0	110.1	118.4	103.0	104.1	36.7	736.5
Delta	-2.1	0.0	9.5	17.1	16.2	15.0	53.1	17.9	126.7

Quantity	Undistributed	Prior	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	0	0	19	23	30	35	60	23	190
PB 2012 Total	0	0	0	19	23	30	35	60	23	190
PB 2011 Total	0	0	0	20	24	29	33	45	15	166
Delta	0	0	0	-1	-1	1	2	15	8	24

**Cost and Funding**

**Annual Funding By Appropriation - IDECM Blocks 2/3**

**Annual Funding TY\$ - IDECM Blocks 2/3**

**1319 | RDT&E | Research, Development, Test, and Evaluation, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
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
<b>Subtotal</b>	--	--	--	--	--	--	<b>391.0</b>

**Annual Funding BY\$ - IDECM Blocks 2/3**

**1319 | RDT&E | Research, Development, Test, and Evaluation, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non Recurring Flyaway BY 2008 \$M</b>	<b>Total Flyaway BY 2008 \$M</b>	<b>Total Support BY 2008 \$M</b>	<b>Total Program BY 2008 \$M</b>
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
<b>Subtotal</b>	--	--	--	--	--	--	<b>456.4</b>

**Annual Funding TY\$ - IDECM Blocks 2/3**  
**1506 | Procurement | Aircraft Procurement, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
2002	--	--	--	--	--	34.7	34.7
2003	--	--	--	--	--	25.9	25.9
2004	3	5.7	--	--	5.7	20.0	25.7
2005	12	21.6	--	--	21.6	14.4	36.0
2006	20	34.1	--	--	34.1	8.2	42.3
2007	14	26.5	--	--	26.5	8.3	34.8
2008	16	29.4	--	--	29.4	9.8	39.2
2009	9	18.6	--	1.4	20.0	20.7	40.7
2010	10	28.4	--	--	28.4	13.5	41.9
2011	1	7.7	--	--	7.7	11.2	18.9
<b>Subtotal</b>	<b>85</b>	<b>172.0</b>	<b>--</b>	<b>1.4</b>	<b>173.4</b>	<b>166.7</b>	<b>340.1</b>

**Annual Funding BY\$ - IDECM Blocks 2/3**  
**1506 | Procurement | Aircraft Procurement, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non Recurring Flyaway BY 2008 \$M</b>	<b>Total Flyaway BY 2008 \$M</b>	<b>Total Support BY 2008 \$M</b>	<b>Total Program BY 2008 \$M</b>
2002	--	--	--	--	--	39.1	39.1
2003	--	--	--	--	--	28.6	28.6
2004	3	6.1	--	--	6.1	21.5	27.6
2005	12	22.6	--	--	22.6	15.0	37.6
2006	20	34.7	--	--	34.7	8.3	43.0
2007	14	26.4	--	--	26.4	8.2	34.6
2008	16	28.8	--	--	28.8	9.6	38.4
2009	9	18.0	--	1.4	19.4	20.1	39.5
2010	10	27.2	--	--	27.2	12.9	40.1
2011	1	7.3	--	--	7.3	10.5	17.8
<b>Subtotal</b>	<b>85</b>	<b>171.1</b>	<b>--</b>	<b>1.4</b>	<b>172.5</b>	<b>173.8</b>	<b>346.3</b>



**Annual Funding TY\$ - IDECM Blocks 2/3**

**1508 | Procurement | Procurement of Ammunition, Navy and Marine Corps**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
2006	--	--	--	--	--	3.7	3.7
2007	--	--	--	--	--	0.4	0.4
2008	150	13.0	--	4.3	17.3	1.7	19.0
2009	251	14.1	--	1.4	15.5	1.5	17.0
2010	334	20.7	--	--	20.7	3.2	23.9
2011	320	17.2	--	--	17.2	1.8	19.0
2012	343	18.3	--	--	18.3	1.9	20.2
2013	344	19.3	--	--	19.3	2.0	21.3
2014	370	19.9	--	--	19.9	2.1	22.0
2015	380	20.5	--	--	20.5	2.1	22.6
2016	384	21.5	--	--	21.5	1.5	23.0
2017	366	22.0	--	--	22.0	1.5	23.5
2018	350	22.5	--	--	22.5	1.5	24.0
2019	374	23.0	--	--	23.0	1.6	24.6
2020	376	23.5	--	--	23.5	1.6	25.1
2021	380	24.0	--	--	24.0	1.6	25.6
2022	382	24.5	--	--	24.5	1.6	26.1
2023	365	25.0	--	--	25.0	1.6	26.6
2024	386	25.4	--	--	25.4	1.6	27.0
2025	388	25.9	--	--	25.9	1.7	27.6
2026	390	26.4	--	--	26.4	1.7	28.1
2027	391	26.9	--	--	26.9	1.7	28.6
2028	372	27.4	--	--	27.4	1.7	29.1
2029	393	27.9	--	--	27.9	1.7	29.6
2030	394	28.4	--	--	28.4	1.7	30.1
2031	394	28.9	--	--	28.9	1.8	30.7
2032	403	29.4	--	--	29.4	1.8	31.2
2033	412	29.9	--	--	29.9	1.8	31.7
2034	422	30.4	--	--	30.4	1.8	32.2
2035	431	30.9	--	--	30.9	1.9	32.8
2036	441	31.5	--	--	31.5	1.9	33.4
2037	451	32.1	--	--	32.1	1.9	34.0
2038	462	32.7	--	--	32.7	2.0	34.7
2039	472	33.3	--	--	33.3	2.0	35.3
2040	483	33.9	--	--	33.9	2.1	36.0
2041	166	14.4	--	--	14.4	2.1	16.5
<b>Subtotal</b>	<b>12720</b>	<b>844.7</b>	<b>--</b>	<b>5.7</b>	<b>850.4</b>	<b>65.8</b>	<b>916.2</b>

**Annual Funding BY\$ - IDECM Blocks 2/3**

**1508 | Procurement | Procurement of Ammunition, Navy and Marine Corps**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non Recurring Flyaway BY 2008 \$M</b>	<b>Total Flyaway BY 2008 \$M</b>	<b>Total Support BY 2008 \$M</b>	<b>Total Program BY 2008 \$M</b>
2006	--	--	--	--	--	3.8	3.8
2007	--	--	--	--	--	0.4	0.4
2008	150	12.7	--	4.2	16.9	1.7	18.6
2009	251	13.7	--	1.4	15.1	1.4	16.5
2010	334	19.8	--	--	19.8	3.0	22.8
2011	320	16.2	--	--	16.2	1.7	17.9
2012	343	16.9	--	--	16.9	1.8	18.7
2013	344	17.6	--	--	17.6	1.8	19.4
2014	370	17.8	--	--	17.8	1.9	19.7
2015	380	18.1	--	--	18.1	1.8	19.9
2016	384	18.6	--	--	18.6	1.3	19.9
2017	366	18.7	--	--	18.7	1.3	20.0
2018	350	18.8	--	--	18.8	1.3	20.1
2019	374	18.9	--	--	18.9	1.3	20.2
2020	376	19.0	--	--	19.0	1.3	20.3
2021	380	19.1	--	--	19.1	1.3	20.4
2022	382	19.2	--	--	19.2	1.2	20.4
2023	365	19.2	--	--	19.2	1.3	20.5
2024	386	19.2	--	--	19.2	1.2	20.4
2025	388	19.3	--	--	19.3	1.2	20.5
2026	390	19.3	--	--	19.3	1.3	20.6
2027	391	19.3	--	--	19.3	1.3	20.6
2028	372	19.4	--	--	19.4	1.2	20.6
2029	393	19.4	--	--	19.4	1.2	20.6
2030	394	19.4	--	--	19.4	1.2	20.6
2031	394	19.4	--	--	19.4	1.2	20.6
2032	403	19.4	--	--	19.4	1.2	20.6
2033	412	19.4	--	--	19.4	1.2	20.6
2034	422	19.4	--	--	19.4	1.2	20.6
2035	431	19.4	--	--	19.4	1.2	20.6
2036	441	19.5	--	--	19.5	1.1	20.6
2037	451	19.5	--	--	19.5	1.2	20.7
2038	462	19.5	--	--	19.5	1.2	20.7
2039	472	19.6	--	--	19.6	1.1	20.7
2040	483	19.6	--	--	19.6	1.2	20.8
2041	166	8.2	--	--	8.2	1.2	9.4
<b>Subtotal</b>	<b>12720</b>	<b>622.5</b>	<b>--</b>	<b>5.6</b>	<b>628.1</b>	<b>51.2</b>	<b>679.3</b>

### Annual Funding By Appropriation - IDECM Block 4

**Annual Funding TY\$ - IDECM Block 4**

**1319 | RDT&E | Research, Development, Test, and Evaluation, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
2008	--	--	--	--	--	--	5.3
2009	--	--	--	--	--	--	9.8
2010	--	--	--	--	--	--	62.3
2011	--	--	--	--	--	--	51.7
2012	--	--	--	--	--	--	62.1
2013	--	--	--	--	--	--	30.1
2014	--	--	--	--	--	--	15.0
2015	--	--	--	--	--	--	14.6
2016	--	--	--	--	--	--	3.2
<b>Subtotal</b>	--	--	--	--	--	--	<b>254.1</b>

**Annual Funding BY\$ - IDECM Block 4**

**1319 | RDT&E | Research, Development, Test, and Evaluation, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non Recurring Flyaway BY 2008 \$M</b>	<b>Total Flyaway BY 2008 \$M</b>	<b>Total Support BY 2008 \$M</b>	<b>Total Program BY 2008 \$M</b>
2008	--	--	--	--	--	--	5.2
2009	--	--	--	--	--	--	9.6
2010	--	--	--	--	--	--	60.2
2011	--	--	--	--	--	--	49.3
2012	--	--	--	--	--	--	58.3
2013	--	--	--	--	--	--	27.8
2014	--	--	--	--	--	--	13.6
2015	--	--	--	--	--	--	13.0
2016	--	--	--	--	--	--	2.8
<b>Subtotal</b>	--	--	--	--	--	--	<b>239.8</b>

**Annual Funding TY\$ - IDECM Block 4  
1506 | Procurement | Aircraft Procurement, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway TY \$M</b>	<b>Non End Item Recurring Flyaway TY \$M</b>	<b>Non Recurring Flyaway TY \$M</b>	<b>Total Flyaway TY \$M</b>	<b>Total Support TY \$M</b>	<b>Total Program TY \$M</b>
2012	19	58.5	--	--	58.5	21.9	80.4
2013	23	64.5	--	--	64.5	32.6	97.1
2014	30	79.4	--	--	79.4	40.2	119.6
2015	35	85.9	--	--	85.9	17.5	103.4
2016	60	129.2	--	--	129.2	24.8	154.0
2017	23	46.4	--	--	46.4	8.2	54.6
<b>Subtotal</b>	<b>190</b>	<b>463.9</b>	<b>--</b>	<b>--</b>	<b>463.9</b>	<b>145.2</b>	<b>609.1</b>

**Annual Funding BY\$ - IDECM Block 4**  
**1506 | Procurement | Aircraft Procurement, Navy**

<b>Fiscal Year</b>	<b>Quantity</b>	<b>End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non End Item Recurring Flyaway BY 2008 \$M</b>	<b>Non Recurring Flyaway BY 2008 \$M</b>	<b>Total Flyaway BY 2008 \$M</b>	<b>Total Support BY 2008 \$M</b>	<b>Total Program BY 2008 \$M</b>
2012	19	54.3	--	--	54.3	20.3	74.6
2013	23	58.9	--	--	58.9	29.7	88.6
2014	30	71.2	--	--	71.2	36.1	107.3
2015	35	75.8	--	--	75.8	15.4	91.2
2016	60	112.1	--	--	112.1	21.5	133.6
2017	23	39.6	--	--	39.6	7.0	46.6
<b>Subtotal</b>	<b>190</b>	<b>411.9</b>	<b>--</b>	<b>--</b>	<b>411.9</b>	<b>130.0</b>	<b>541.9</b>

**Low Rate Initial Production**

**IDECM Blocks 2/3**

	<b>Initial LRIP Decision</b>	<b>Current Total LRIP</b>
<b>Approval Date</b>	12/1/2000	6/28/2010
<b>Approved Quantity</b>	1	735
<b>Reference</b>	ADM	ADM
<b>Start Year</b>	2003	2003
<b>End Year</b>	2004	2012

LRIP 1 authorization was December 2000. LRIP 2 authorization was November 2001. LRIP 3 authorization was May 2003. LRIP 4 authorization was June 2006. LRIP 5 authorization was April 2009. LRIP 6 authorization was June 2010. The first three LRIP decision quantities were funded and reported by the F/A-18 Program.

**Low Rate Initial Production**

**IDECM Block 4**

None

**Foreign Military Sales**

**IDECM Blocks 2/3**

Country	Date of Sale	Quantity	Total Cost \$M	Memo
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		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	4/17/2009		4.0	Australia is procuring 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	2/7/2008		43.5	Australia is procuring 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.

Australian quantities are considered sensitive by the country.

**Foreign Military Sales**

**IDECM Block 4**

None

**Nuclear Cost**

**IDECM Blocks 2/3**

There are no Nuclear Cost data to display.

**IDECM Block 4**

There are no Nuclear Cost data to display.

**Unit Cost**

**IDECM Blocks 2/3**

**Unit Cost Report**

	BY2008 \$M	BY2008 \$M	
Unit Cost	Current UCR Baseline (JUL 2009 APB)	Current Estimate (DEC 2010 SAR)	BY % Change
<b>Program Acquisition Unit Cost (PAUC)</b>			
Cost	1410.9	1482.0	
Quantity	12809	12805	
Unit Cost	0.110	0.116	+5.45
<b>Average Procurement Unit Cost (APUC)</b>			
Cost	956.0	1025.6	
Quantity	12809	12805	
Unit Cost	0.075	0.080	+6.67

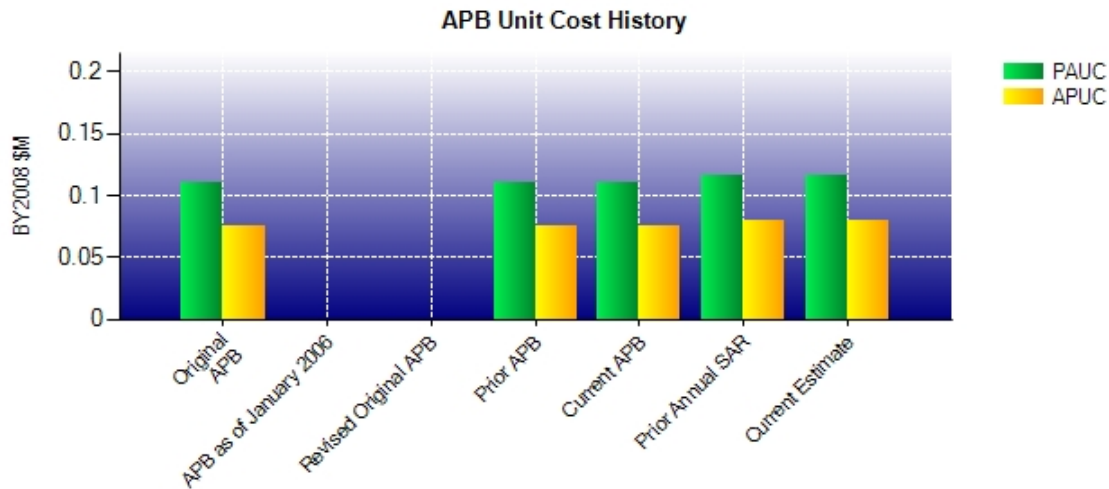
	BY2008 \$M	BY2008 \$M	
Unit Cost	Original UCR Baseline (JUN 2008 APB)	Current Estimate (DEC 2010 SAR)	BY % Change
<b>Program Acquisition Unit Cost (PAUC)</b>			
Cost	1410.9	1482.0	
Quantity	12809	12805	
Unit Cost	0.110	0.116	+5.45
<b>Average Procurement Unit Cost (APUC)</b>			
Cost	956.0	1025.6	
Quantity	12809	12805	
Unit Cost	0.075	0.080	+6.67

Cost includes the ALQ-214, Electronic Frequency Converter (EFC), and ALE-55.  
Quantities include 85 ALQ-214 systems and 12,720 ALE-55 decoys.



**IDECM Blocks 2/3**

**Unit Cost History**



	Date	BY2008 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
<b>Original APB</b>	JUN 2008	0.110	0.075	0.120	0.089
<b>APB as of January 2006</b>	N/A	N/A	N/A	N/A	N/A
<b>Revised Original APB</b>	N/A	N/A	N/A	N/A	N/A
<b>Prior APB</b>	JUN 2008	0.110	0.075	0.120	0.089
<b>Current APB</b>	JUL 2009	0.110	0.075	0.120	0.089
<b>Prior Annual SAR</b>	DEC 2009	0.116	0.080	0.128	0.098
<b>Current Estimate</b>	DEC 2010	0.116	0.080	0.129	0.098

**SAR Unit Cost History**

**Current SAR Baseline to Current Estimate (TY \$M)**

Initial PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.120	-0.004	-0.001	0.015	0.000	-0.004	0.000	0.003	0.009	0.129

**Current SAR Baseline to Current Estimate (TY \$M)**

Initial APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.089	-0.004	-0.001	0.015	0.000	-0.004	0.000	0.003	0.009	0.098

**SAR Baseline History**

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	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	1647.3
Total Quantity	N/A	N/A	12809	12805
Prog. Acq. Unit Cost (PAUC)	N/A	N/A	0.120	0.129

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

**IDECM Block 4**

**Unit Cost Report**

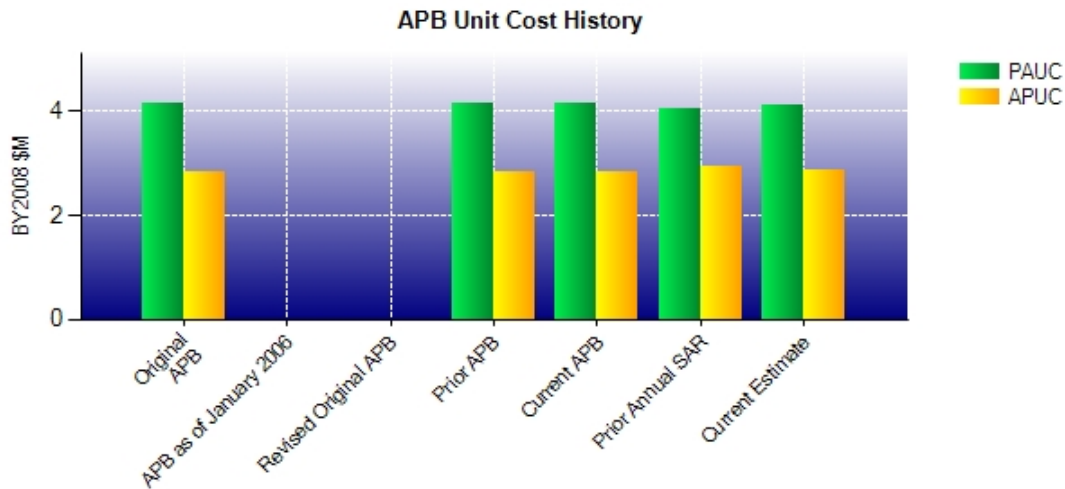
	BY2008 \$M	BY2008 \$M	
Unit Cost	Current UCR Baseline (JUL 2009 APB)	Current Estimate (DEC 2010 SAR)	BY % Change
<b>Program Acquisition Unit Cost (PAUC)</b>			
Cost	660.7	781.7	
Quantity	160	190	
Unit Cost	4.129	4.114	-0.36
<b>Average Procurement Unit Cost (APUC)</b>			
Cost	451.2	541.9	
Quantity	160	190	
Unit Cost	2.820	2.852	+1.13

	BY2008 \$M	BY2008 \$M	
Unit Cost	Original UCR Baseline (JUN 2008 APB)	Current Estimate (DEC 2010 SAR)	BY % Change
<b>Program Acquisition Unit Cost (PAUC)</b>			
Cost	660.7	781.7	
Quantity	160	190	
Unit Cost	4.129	4.114	-0.36
<b>Average Procurement Unit Cost (APUC)</b>			
Cost	451.2	541.9	
Quantity	160	190	
Unit Cost	2.820	2.852	+1.13

Costs include the ALQ-214 and Electronic Frequency Converter (EFC).  
Quantities include 190 ALQ-214s.

**IDECM Block 4**

**Unit Cost History**



	Date	BY2008 \$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	JUN 2008	4.129	2.820	4.663	3.262
Current APB	JUL 2009	4.129	2.820	4.663	3.262
Prior Annual SAR	DEC 2009	4.028	2.919	4.437	3.275
Current Estimate	DEC 2010	4.114	2.852	4.543	3.206

**SAR Unit Cost History**

**Current SAR Baseline to Current Estimate (TY \$M)**

Initial PAUC Dev Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.663	-0.127	-0.369	-0.013	0.333	-0.163	0.000	0.219	-0.120	4.543

**Current SAR Baseline to Current Estimate (TY \$M)**

Initial APUC Dev Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
3.262	-0.101	-0.147	-0.013	0.000	-0.014	0.000	0.219	-0.056	3.206

**SAR Baseline History**

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	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	JUN 2014
Total Cost (TY \$M)	N/A	746.1	N/A	863.2
Total Quantity	N/A	160	N/A	190
Prog. Acq. Unit Cost (PAUC)	N/A	4.663	N/A	4.543

**Cost Variance**

**IDECM Blocks 2/3**

**Cost Variance Summary**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	391.0	1144.2	--	1535.2
Previous Changes				
Economic	-1.3	-45.1	--	-46.4
Quantity	--	-11.2	--	-11.2
Schedule	--	+184.6	--	+184.6
Engineering	--	--	--	--
Estimating	+1.3	-53.4	--	-52.1
Other	--	--	--	--
Support	--	+33.0	--	+33.0
Subtotal	--	+107.9	--	+107.9
Current Changes				
Economic	--	-1.6	--	-1.6
Quantity	--	--	--	--
Schedule	--	+5.0	--	+5.0
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	+0.8	--	+0.8
Subtotal	--	+4.2	--	+4.2
Total Changes	--	+112.1	--	+112.1
CE - Cost Variance	391.0	1256.3	--	1647.3
CE - Cost & Funding	391.0	1256.3	--	1647.3

<b>Summary Base Year 2008 \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
SAR Baseline (Prod Est)	454.9	956.0	--	1410.9
Previous Changes				
Economic	--	--	--	--
Quantity	--	-10.5	--	-10.5
Schedule	--	+80.2	--	+80.2
Engineering	--	--	--	--
Estimating	+1.5	-31.2	--	-29.7
Other	--	--	--	--
Support	--	+28.1	--	+28.1
Subtotal	+1.5	+66.6	--	+68.1
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	+2.1	--	+2.1
Engineering	--	--	--	--
Estimating	--	+0.6	--	+0.6
Other	--	--	--	--
Support	--	+0.3	--	+0.3
Subtotal	--	+3.0	--	+3.0
Total Changes	+1.5	+69.6	--	+71.1
CE - Cost Variance	456.4	1025.6	--	1482.0
CE - Cost & Funding	456.4	1025.6	--	1482.0

Previous Estimate: December 2009

Procurement	\$M	
	Base Year	Then Year
<b>Current Change Explanations</b>		
Revised escalation indices. (Economic)	N/A	-1.6
Adjustment for current and prior escalation. (Estimating)	+0.5	+0.2
Schedule variance from changes to the ALE-55 buy profile. (PANMC) (Schedule)	0.0	+2.6
Additional schedule variance from changes to the ALQ 214 buy profile. (APN) (Schedule)	+0.6	+0.6
Additional schedule variance from changes to the ALE-55 buy profile. (PANMC) (Schedule)	+1.5	+1.8
Increase based on an update to the estimate for a quantity adjustment of ancillary equipment, EFC quantity increased from 100 to 123. (APN) (Estimating)	+4.1	+4.4
Decrease based on an update to the estimate for a schedule adjustment of ancillary equipment, change to the EFC buy profile. (APN) (Estimating)	-3.8	-3.9
Decrease to adjust for estimating variance. (Estimating)	-0.2	-0.7
Adjustment for current and prior escalation. (Support)	-0.2	+0.1
Decrease in Other Support to reflect revised Government In-House Support estimate. (APN) (Support)	-1.3	-1.4
Increase in Other Support (Navy). (Support)	+1.8	+2.1
Procurement Subtotal	+3.0	+4.2



**IDECM Block 4**

**Cost Variance Summary**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Dev Est)	224.2	521.9	--	746.1
Previous Changes				
Economic	-5.2	-18.2	--	-23.4
Quantity	--	+18.6	--	+18.6
Schedule	--	-4.5	--	-4.5
Engineering	--	--	--	--
Estimating	-26.1	-3.6	--	-29.7
Other	--	--	--	--
Support	--	+29.4	--	+29.4
Subtotal	-31.3	+21.7	--	-9.6
Current Changes				
Economic	+0.1	-0.9	--	-0.8
Quantity	--	+51.2	--	+51.2
Schedule	--	+2.1	--	+2.1
Engineering	+63.3	--	--	+63.3
Estimating	-2.2	+0.9	--	-1.3
Other	--	--	--	--
Support	--	+12.2	--	+12.2
Subtotal	+61.2	+65.5	--	+126.7
Total Changes	+29.9	+87.2	--	+117.1
CE - Cost Variance	254.1	609.1	--	863.2
CE - Cost & Funding	254.1	609.1	--	863.2

<b>Summary Base Year 2008 \$M</b>				
	<b>RDT&amp;E</b>	<b>Proc</b>	<b>MILCON</b>	<b>Total</b>
SAR Baseline (Dev Est)	209.5	451.2	--	660.7
Previous Changes				
Economic	--	--	--	--
Quantity	--	+15.8	--	+15.8
Schedule	--	-5.6	--	-5.6
Engineering	--	--	--	--
Estimating	-25.4	-2.3	--	-27.7
Other	--	--	--	--
Support	--	+25.5	--	+25.5
Subtotal	-25.4	+33.4	--	+8.0
Current Changes				
Economic	--	--	--	--
Quantity	--	+43.7	--	+43.7
Schedule	--	+2.3	--	+2.3
Engineering	+57.9	--	--	+57.9
Estimating	-2.2	+0.7	--	-1.5
Other	--	--	--	--
Support	--	+10.6	--	+10.6
Subtotal	+55.7	+57.3	--	+113.0
Total Changes	+30.3	+90.7	--	+121.0
CE - Cost Variance	239.8	541.9	--	781.7
CE - Cost & Funding	239.8	541.9	--	781.7

Previous Estimate: December 2009

<b>RDT&amp;E</b>	<b>\$M</b>	
<b>Current Change Explanations</b>	<b>Base Year</b>	<b>Then Year</b>
Revised escalation indices. (Economic)	N/A	+0.1
Adjustment for current and prior escalation. (Estimating)	-0.1	-0.1
Additional funding beginning in FY12 for ALQ 214 Software/Firmware improvements. (Engineering)	+57.9	+63.3
Estimate updated to reflect actual. (Estimating)	-2.1	-2.1
<b>RDT&amp;E Subtotal</b>	<b>+55.7</b>	<b>+61.2</b>

<b>Procurement</b>	<b>\$M</b>	
<b>Current Change Explanations</b>	<b>Base Year</b>	<b>Then Year</b>
Revised escalation indices. (Economic)	N/A	-0.9
Quantity variance resulting from an increase of 24 ALQ 214 systems, from 166 to 190. (Quantity)	+43.7	+51.2
Schedule variance from changes to the ALQ 214 buy profile. (Schedule)	0.0	-0.4
Additional schedule variance from changes to the ALQ 214 buy profile. (Schedule)	+2.3	+2.5
Increase based on an update to the estimate for a schedule adjustment of ancillary equipment, change to the EFC buy profile. (Estimating)	+0.7	+0.9
Increase in Other Support to reflect revised Government In-House Support estimate. (Support)	+5.4	+5.9
Increase in APN-6 Initial Spares and Repair of Repairable (RoR) as a result of the NAVICP Budget Assessment Memorandum process (BAM 13). (Support)	+5.2	+6.3
<b>Procurement Subtotal</b>	<b>+57.3</b>	<b>+65.5</b>

**Contracts**

**Appropriation: RDT&E**

Contract Name	<b>ALQ-214 ECP</b>
Contractor	ITT Electronic Systems
Contractor Location	Clifton, NJ 07014
Contract Number, Type	N00019-10-C-0022, FFP
Award Date	December 17, 2009
Definitization Date	July 28, 2010

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	88.6	N/A	N/A	110.3	110.3

**Cost And Schedule Variance Explanations**

Cost and Schedule variance reporting is not required on this FFP contract.

**Contract Comments**

The target price of this contract was \$5M and the current value of the contract is \$88.6M. The contract is funded incrementally with Research, Development, Test and Evaluation (RDT&E) funds.

**Appropriation: Procurement**

Contract Name **IDECM Block II (ALQ-214) FRP 3, 4, 5, 6 & 7**  
 Contractor ITT Electronic Systems  
 Contractor Location CLIFTON, NJ 07014  
 Contract Number, Type N00019-05-C-0054, FFP  
 Award Date March 02, 2006  
 Definitization Date February 26, 2010

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
30.8	N/A	18	113.3	N/A	66	113.3	113.3

**Cost And Schedule Variance Explanations**

Cost and Schedule variance reporting is not required on this FFP contract.

**Contract Comments**

Cost and schedule variance reporting (EVM) is not required on this FFP contract. Full Rate Production (FRP) 3 was awarded in March 2006 at \$30.8M and a quantity of 18 systems. A FRP 4 option was awarded in December 2006 at \$24.8M and additional quantity of 15 systems. FRP 5 was awarded in March 2008 at \$22.0M and an additional quantity of 13. FRP 6 was awarded in December 2008 at \$17.4M and an additional quantity of 10. FRP 7 was awarded in February 2010 at \$18.3M and an additional quantity of 10. Current value and quantity include FRP 3, 4, 5, 6 and 7.

**Appropriation: Procurement**

Contract Name **IDECM Block III (ALE-55/EFC) LRIP 4 & 5**  
 Contractor **BAE SYSTEMS**  
 Contractor Location **Nashua, NH 06060**  
 Contract Number, Type **N00019-08-C-0044, FFP**  
 Award Date **June 26, 2008**  
 Definitization Date **April 17, 2009**

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
23.2	N/A	161	41.6	N/A	420	41.6	41.6

**Cost And Schedule Variance Explanations**

Cost and Schedule variance reporting is not required on this FFP contract.

**Contract Comments**

Cost and schedule variance reporting (EVM) is not required on this FFP contract. Initial target and quantity reflect 11 Electronic Frequency Converters (EFCs) and 150 ALE-55 decoys. A pre-negotiated option for Low Rate Initial Production (LRIP) 5, with step ladder decoy quantities, was awarded on April 17, 2009 for an additional quantity of 8 EFCs and 251 decoys.

**Appropriation: Procurement**

Contract Name **IDECM Block III (ALE-55/EFC) LRIP 6 & FRP 1**  
 Contractor BAE SYSTEMS  
 Contractor Location NASHUA, NH 06060  
 Contract Number, Type N00019-10-C-0069, FFP  
 Award Date June 28, 2010  
 Definitization Date June 28, 2010

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
31.0	N/A	389	31.0	N/A	389	31.0	31.0

**Cost And Schedule Variance Explanations**

Cost and Schedule variance reporting is not required on this FFP contract.

**Contract Comments**

Cost and schedule variance reporting (EVM) is not a requirement on this FFP contract. Initial target and quantity reflects 55 Electronic Frequency Converters (EFCs) and 334 ALE-55 Fiber Optic Towed Decoys (FOTDs).

## Deliveries and Expenditures

### IDECM Blocks 2/3

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	338	260	12805	2.03%
<b>Total Program Quantities Delivered</b>	<b>338</b>	<b>260</b>	<b>12805</b>	<b>2.03%</b>

<b>Expenditures and Appropriations (TY \$M)</b>			
Total Acquisition Cost	1647.3	Years Appropriated	17
Expenditures To Date	623.7	Percent Years Appropriated	36.17%
Percent Expended	37.86%	Appropriated to Date	814.1
Total Funding Years	47	Percent Appropriated	49.42%

Low Rate Initial Production (LRIP) 4 Fiber Optic Towed Decoy (FOTD) deliveries completed November 2010, three months behind contractual schedule. Thirty out of the fifty-four contractually required Electronic Frequency Converters (EFCs) have been delivered. Current plans have LRIP 4 EFC deliveries concluding in May 2011, six months behind contractual schedule. LRIP 5 EFC deliveries were scheduled to begin November 2010, current projections indicated deliveries beginning May 2011, six months behind the contractual schedule. BAE and the associated material supply chain continue to experience start-up issues that require corrective actions and are negatively impacting the delivery schedule. These start-up issues have currently been mitigated with regard to FOTDs. However, EFC deliveries continue to be delayed due to issues with the Low Voltage Power Supply (LVPS). Efforts to address the LVPS issues have been implemented, Validation & Verification (V&V) testing is underway and the production deliveries for the EFC have been re-planned. Recovery to contract delivery schedule is expected in May 2011.

### IDECM Block 4

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	0	0	190	0.00%
<b>Total Program Quantities Delivered</b>	<b>0</b>	<b>0</b>	<b>190</b>	<b>0.00%</b>

<b>Expenditures and Appropriations (TY \$M)</b>			
Total Acquisition Cost	863.2	Years Appropriated	4
Expenditures To Date	82.0	Percent Years Appropriated	40.00%
Percent Expended	9.50%	Appropriated to Date	129.1
Total Funding Years	10	Percent Appropriated	14.96%



## Operating and Support Cost

### IDECM Blocks 2/3

<b>Assumptions And Ground Rules</b>
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Integrated Defense Electronic Countermeasures (IDECM)  
 Date of estimate: Febraury 2011

**ASSUMPTIONS:**

- Estimate is based on 85 Suites.
- A suite includes an ALQ-214V(3).
- 20 year service life.
- There is no antecedent system.
- No additional operational/maintenance personnel at O-Level.
- No additional operational/maintenance personnel at I-Level. Contractor Depot Repair Program.

<b>Cost Element</b>	<b>Costs BY2008 \$K</b>	
	<b>IDECM Blocks 2/3 Average Annual Cost per ALQ- 214v3 Suite</b>	<b>No Antecedent N/A</b>
Unit-Level Manpower	--	--
Unit Operations	--	--
Maintenance	78.1	--
Sustaining Support	46.6	--
Continuing System Improvements	36.4	--
Indirect Support	--	--
Other	--	--
<b>Total Unitized Cost (Base Year 2008 \$)</b>	<b>161.1</b>	<b>--</b>

<b>Total O&amp;S Costs \$M</b>	<b>IDECM Blocks 2/3</b>	<b>No Antecedent</b>
Base Year	189.4	--
Then Year	242.3	--

**IDECM Block 4**

**Assumptions And Ground Rules**

Integrated Defense Electronic Countermeasures (IDECM)  
 Date of estimate: February 10, 2011

**ASSUMPTIONS:**

Estimate is based on 190 Suites.  
 A suite includes an ALQ-214V(4)/V(5).  
 20 year service life.  
 There is no antecedent system.  
 No additional operational/maintenance personnel at O-Level.  
 No additional operational/maintenance personnel at I-Level. Contractor Depot Repair Program.

<b>Costs BY2008 \$K</b>		
<b>Cost Element</b>	<b>IDECM Block 4 Average Annual Cost per ALQ- 214v4 Suite</b>	<b>No Antecedent N/A</b>
Unit-Level Manpower	--	--
Unit Operations	--	--
Maintenance	57.420	--
Sustaining Support	11.137	--
Continuing System Improvements	21.386	--
Indirect Support	--	--
Other	--	--
<b>Total Unitized Cost (Base Year 2008 \$)</b>	<b>89.943</b>	<b>--</b>

<b>Total O&amp;S Costs \$M</b>	<b>IDECM Block 4</b>	<b>No Antecedent</b>
Base Year	264.7	--
Then Year	378.8	--