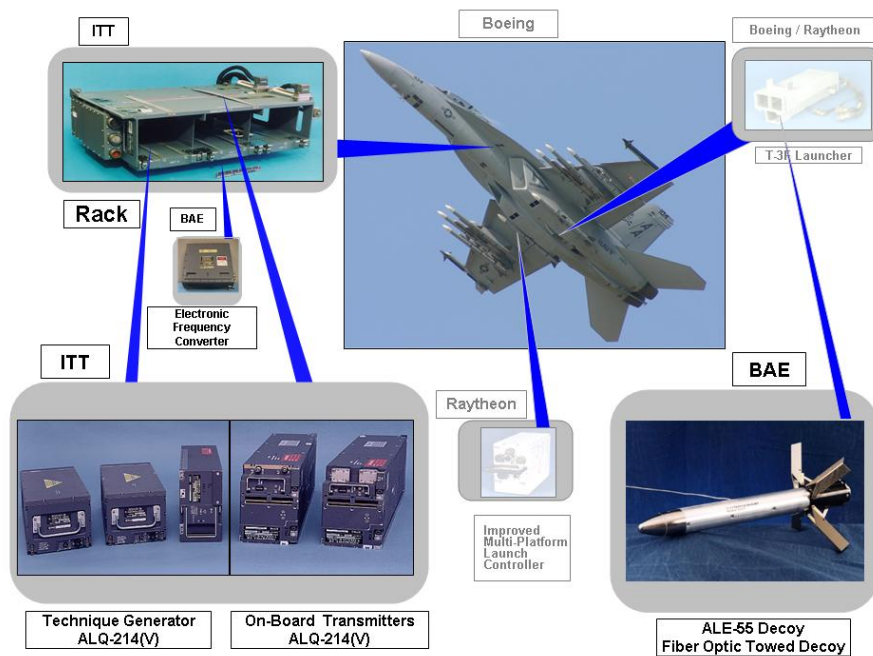




# Selected Acquisition Report (SAR)

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



## Integrated Defensive Electronic Countermeasures (IDECM)

As of FY 2011 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) (IDECM)

**DoD Component**

Navy

## Responsible Office

CAPT Paul Overstreet, USN  
 Program Executive Office (TACAIR), PMA-272  
 Bldg 2272, Suite 535  
 47123 Buse Rd  
 Patuxent River, MD 20670-1547

**Phone:** 301-757-7951  
**Fax:** 301-757-6035  
**DSN Phone:** 757-7951  
**DSN Fax:** 757-6035  
**Date Assigned:** October 3, 2008

[paul.overstreet@navy.mil](mailto:paul.overstreet@navy.mil)

## 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. A FRP-7 option (12 U. S. Navy (USN) systems, 5 Royal Australian Air Force (RAAF) systems and various USN Weapons Replacement Assembly (WRA) spares) was exercised on February 16, 2010. To date, 209 ALQ-214(V)3 production systems (49 APN-5 systems, 160 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.

IB-3 (ALE-55). IB-3 Initial Operational Test & Evaluation (IOT&E) completed in September 2008. The IOT&E report was received December 19, 2008 with a finding of 'operationally effective' but 'not operationally suitable'. The IDECM team has developed corrective action plans for all identified suitability deficiencies. An IB-3 Program Decision Review was conducted with Assistant Secretary of the Navy Research, Development & Acquisition (ASN RD&A) in March 2009. ASN(RD&A) decided to delay the IB-3 FRP decision, FRP award and Initial Operational Capability (IOC), allowing additional schedule for the correction of deficiencies. ASN(RD&A) also agreed with the recommendation for additional IB-3 LRIP awards (LRIPs 5 and 6) in order to avoid a break in production pending the FRP decision. The LRIP 5 contract was awarded on April 17, 2009 and LRIP 6 award is anticipated in June 2010. ASN(RD&A) decisions regarding the schedule delays and additional LRIP awards are documented in an Acquisition Decision Memorandum (ADM) dated April 13, 2009 and in the IDECM Acquisition Program Baseline (APB) Change 1 approved July 10, 2009. The LRIP 4 contract, awarded on June 26, 2008, provides hardware which contains all identified corrective actions relevant to reported IOT&E deficiencies. These assets, along with Software corrections, will be used to conduct Verification of Correction to Deficiencies (VCD) scheduled to complete 4th quarter FY10 and to support IOC scheduled January 2011. To date, under LRIP 4 BAE has delivered 10 of 30 Fiber Optic Towed Decoys (FOTDs) and 4 of 12 Electronic Frequency Converters (EFCs) (1 APN-5, 3 APN-1). The issues affecting the scheduled deliveries are primarily subassembly and component level yield issues for which the contractor is aggressively pursuing remedies with vendors and in-house suppliers. Recovery to contract delivery schedule is expected in July 2010.

IB-4 (ALQ-214 ECP). IB-4 is a modification to the ALQ-214 which will result in a Common On-Board-Jammer (OBJ) for the F/A-18C/D/E/F aircraft (Currently the ALQ-214 is installed only on the F/A-18E/F). The modification is being conducted via sole source contract awards to ITT Electronic Systems for an Engineering Change Proposal (ECP) to the ALQ-214. ASN (RD&A) support for the IB-4 strategy was documented by an ADM, dated May 4, 2009. IB-4 schedule, cost and performance requirements are contained in the IDECM APB Change 1, approved July 10, 2009. The ALQ-214 ECP contract was awarded December 17, 2009. A Preliminary Design Review (PDR) was successfully completed in November 2009. The Critical Design Review (CDR) is on schedule to complete in July 2010. The program is on track to meet technical performance requirements on schedule and within cost.

## Threshold Breaches

### IDECM Blocks 2/3

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#### 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>O&amp;S Cost</b>		<input type="checkbox"/>
<b>Unit Cost</b>	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

#### Nunn-McCurdy Breaches

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

### IDECM Block 4

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#### APB Breaches

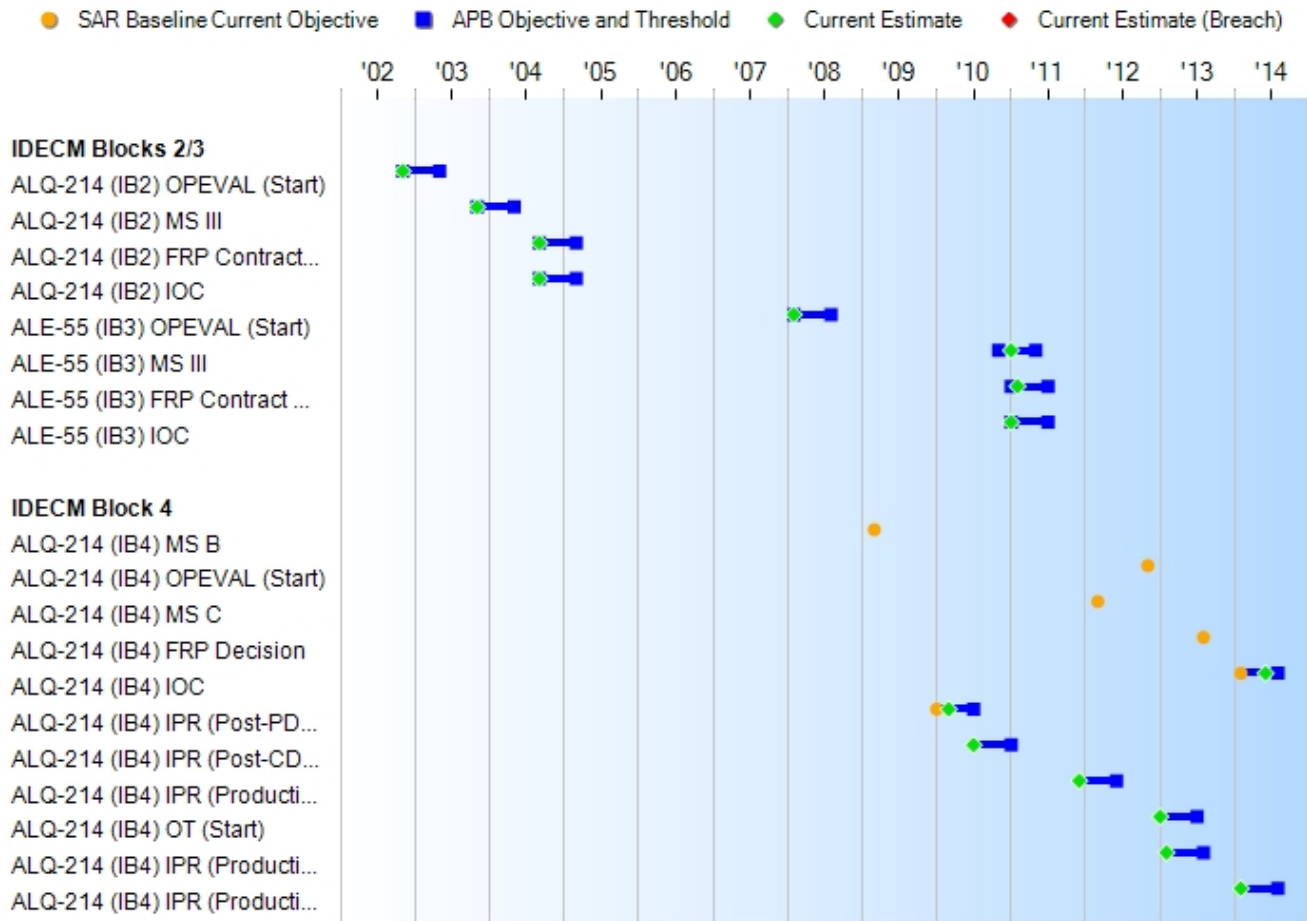
<b>Schedule</b>		<input type="checkbox"/>
<b>Performance</b>		<input type="checkbox"/>
<b>Cost</b>	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
<b>O&amp;S Cost</b>		<input type="checkbox"/>
<b>Unit Cost</b>	PAUC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

#### 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**

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	Nov 2010	May 2011	Jan 2011
ALE-55 (IB3) FRP Contract Award	Feb 2009	Jan 2011	Jul 2011	Feb 2011
ALE-55 (IB3) IOC	Feb 2010	Jan 2011	Jul 2011	Jan 2011

**Change Explanations**

None

**Acronyms and Abbreviations**

- CDR - Critical Design Review
- FRP - Full Rate Production
- IB2 - IDECM Block 2
- IB3 - IDECM Block 3
- IB4 - IDECM Block 4
- IOC - Initial Operational Capability
- IPR - In Process Review
- MS - Milestone
- OPEVAL - Operational Evaluation
- OT - Operational Test
- PDR - Preliminary Design Review

**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) 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) IOC	Feb 2014	Feb 2014	Aug 2014	Jun 2014
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	Feb 2014

**Change Explanations**

None

**Acronyms and Abbreviations**

- FRP - Full Rate Production
- IB2 - IDECM Block 2
- IB3 - IDECM Block 3
- IB4 - IDECM Block 4
- IOC - Initial Operational Capability
- MS - Milestone
- OPEVAL - Operational Evaluation

## Performance

### IDECM Blocks 2/3

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

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

#### Requirements Reference

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.

#### Change Explanations

None

#### Acronyms and Abbreviations

Ao - Operational Availability  
 LBA - Limits of Basic Airframe

**IDECM Block 4**

Performance Characteristics				
SAR Baseline Development Estimate	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
<b>ALQ-214 (IB2/3/4 On-Board Jammer) Ao</b>				
0.95	0.95	0.9	TBD	0.9525
<b>ALQ-214 (IB2) Operating Envelope</b>				
N/A	LBA	LBA	TBD	LBA
<b>ALQ-214 (IB2/3/4 On-board Jammer) Operational Availability<sup>1</sup></b>				
Ao >= 0.95	Ao >= 0.95	Ao >= 0.9	TBD	Ao >= 0.95

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

**Requirements Reference**

On-Board Jammer ORD 624-78-03 dated November 2003.

**Change Explanations**

None

**Acronyms and Abbreviations**

Ao - Operational Availability  
 LBA - Limits of Basic Airframe

## Track to Budget

### IDECM Blocks 2/3

#### General Notes

This information was entered before Track To Budget was entered on a per subprogram basis. Consequently, the information for the program has been copied to both subprograms.

#### RDT&E

Appn	BA	PE
Navy	1319 05	0604270N
	<b>Project</b>	<b>Name</b>
	2175	Tactical Air Electronic Warfare

#### Procurement

Appn	BA	PE
Navy	1506 05	0204161N
	<b>Line Item</b>	<b>Name</b>
	05760	Common Electronic Countermeasures
Navy	1508 01	0204162N
	<b>Line Item</b>	<b>Name</b>
	01820	Air Expendable Countermeasures

### IDECM Block 4

#### General Notes

This information was entered before Track To Budget was entered on a per subprogram basis. Consequently, the information for the program has been copied to both subprograms.

#### RDT&E

Appn	BA	PE
Navy	1319 05	0604270N
	<b>Project</b>	<b>Name</b>
	2175	Tactical Air Electronic Warfare

#### Procurement

Appn	BA	PE
Navy	1506 05	0204161N
	<b>Line Item</b>	<b>Name</b>
	05760	Common Electronic Countermeasures
Navy	1508 01	0204162N
	<b>Line Item</b>	<b>Name</b>
	01820	Air Expendable Countermeasures

## 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	664.4	--	640.5	615.2	615.2	583.9
Procurement	1407.2	1407.2	--	1507.2	1666.1	1666.1	1795.7
Flyaway	--	--	--	1163.1	--	--	1430.3
Recurring	--	--	--	1160.3	--	--	1427.5
Non Recurring	--	--	--	2.8	--	--	2.8
Support	--	--	--	344.1	--	--	365.4
Other Support	--	--	--	191.1	--	--	212.3
Initial Spares	--	--	--	153.0	--	--	153.1
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	2147.7	2281.3	2281.3	2379.6

## 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	454.9	500.4	456.4	391.0	391.0	391.0
Procurement	956.0	956.0	1051.6	1022.6	1144.2	1144.2	1252.1
Flyaway	--	--	--	797.9	--	--	1019.8
Recurring	--	--	--	795.1	--	--	1017.0
Non Recurring	--	--	--	2.8	--	--	2.8
Support	--	--	--	224.7	--	--	232.3
Other Support	--	--	--	145.2	--	--	160.6
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
<b>Total</b>	<b>1410.9</b>	<b>1410.9</b>	<b>N/A</b>	<b>1479.0</b>	<b>1535.2</b>	<b>1535.2</b>	<b>1643.1</b>

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

#### Quantity Notes

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 cost includes the 85 ALQ-214s, 100 Electronic Frequency Converters (EFC), and 12,720 ALE-55 decoys. The Quantity of 12,805 includes the 85 ALQ-214 systems and 12,720 ALE-55 decoys.

The APN-5 Block 2/3 ALQ-214 quantity was reduced by 4 systems. Additionally, the F/A18 E/F APN-1 Block 2/3 ALQ-214 quantity was reduced by 2 systems. These 6 systems will be procured as part of the APN-5 Block 4 ALQ-214 procurement, increasing the quantity from 160 to 166 systems.

The APN-5 Block 2/3 EFC quantity was reduced by 8 systems. Additionally, the F/A18 E/F APN-1 Block 2/3 EFC quantity was increased by 3 systems. As a result, 5 EFCs will be procured as part of the APN-5 Block 4 EFC procurement, increasing the quantity from 189 to 194 systems.



### 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	209.5	230.5	184.1	224.2	224.2	192.9
Procurement	451.2	451.2	496.3	484.6	521.9	521.9	543.6
Flyaway	--	--	--	365.2	--	--	410.5
Recurring	--	--	--	365.2	--	--	410.5
Non Recurring	--	--	--	0.0	--	--	0.0
Support	--	--	--	119.4	--	--	133.1
Other Support	--	--	--	45.9	--	--	51.7
Initial Spares	--	--	--	73.5	--	--	81.4
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>660.7</b>	<b>660.7</b>	<b>N/A</b>	<b>668.7</b>	<b>746.1</b>	<b>746.1</b>	<b>736.5</b>

#### Cost Notes

The procurement appropriation (1506) includes APN-5 and APN-6. APN-6 is utilized to procure initial spares and repairs. Current estimates reflect NAVICP APN-6 planned for IDECM, as detailed in the NAVICP Budget Assessment Memorandum (BAM) process for Common ECM Equipment.

Total Quantity - IDECM Block 4			
Quantity	SAR Baseline Development Estimate	Current APB Development	Current Estimate
RDT&E	0	0	0
Procurement	160	160	166
Total	160	160	166

**Quantity Notes**

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 cost includes the 166 ALQ-214s, and 194 Electronic Frequency Converters (EFC). The quantity includes only the 166 ALQ-214 systems.

The APN-5 Block 2/3 ALQ-214 quantity was reduced by 4 systems. Additionally, the F/A18 E/F APN-1 Block 2/3 ALQ-214 quantity was reduced by 2 systems. These 6 systems will be procured as part of the APN-5 Block 4 ALQ-214 procurement, increasing the quantity from 160 to 166 systems.

The APN-5 Block 2/3 EFC quantity was reduced by 8 systems. Additionally, the F/A18 E/F APN-1 Block 2/3 EFC quantity was increased by 3 systems. As a result, 5 EFCs will be procured as part of the APN-5 Block 4 EFC procurement, increasing the quantity from 189 to 194 systems.

## Cost and Funding

### Funding Summary - Total Program

Appropriation Summary									
FY 2011 President's Budget / December 2009 SAR (TY\$ M)									
Appropriation	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
RDT&E	405.3	65.2	51.7	50.5	9.9	0.6	0.7	0.0	583.9
Procurement	318.1	67.7	38.9	102.7	121.5	139.8	124.9	882.1	1795.7
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 2011 Total	723.4	132.9	90.6	153.2	131.4	140.4	125.6	882.1	2379.6
Jun 2008 Total	741.5	133.5	107.9	180.4	150.6	129.0	136.2	702.2	2281.3
Delta	-18.1	-0.6	-17.3	-27.2	-19.2	11.4	-10.6	179.9	98.3

## Cost and Funding

### Funding Summary - IDECM Blocks 2/3

Appropriation Summary									
FY 2011 President's Budget / December 2009 SAR (TY\$ M)									
Appropriation	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
RDT&E	391.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391.0
Procurement	318.1	67.7	38.9	20.2	21.3	22.0	22.6	741.3	1252.1
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 2011 Total	709.1	67.7	38.9	20.2	21.3	22.0	22.6	741.3	1643.1
Jun 2008 Total	705.9	67.1	52.3	26.9	27.8	28.4	29.2	597.6	1535.2
Delta	3.2	0.6	-13.4	-6.7	-6.5	-6.4	-6.6	143.7	107.9

Quantity Summary										
FY 2011 President's Budget / December 2009 SAR (TY\$ M)										
Quantity	Undistributed	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	475	409	323	343	344	370	380	10161	12805
PB 2011 Total	0	475	409	323	343	344	370	380	10161	12805
Jun 2008 Total	0	676	533	542	545	530	549	549	8885	12809
Delta	0	-201	-124	-219	-202	-186	-179	-169	1276	-4

### Funding Summary - IDECM Block 4

Appropriation Summary									
FY 2011 President's Budget / December 2009 SAR (TY\$ M)									
Appropriation	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
RDT&E	14.3	65.2	51.7	50.5	9.9	0.6	0.7	0.0	192.9
Procurement	0.0	0.0	0.0	82.5	100.2	117.8	102.3	140.8	543.6
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 2011 Total	14.3	65.2	51.7	133.0	110.1	118.4	103.0	140.8	736.5
Jun 2008 Total	35.6	66.4	55.6	153.5	122.8	100.6	107.0	104.6	746.1
Delta	-21.3	-1.2	-3.9	-20.5	-12.7	17.8	-4.0	36.2	-9.6

Quantity Summary										
FY 2011 President's Budget / December 2009 SAR (TY\$ M)										
Quantity	Undistributed	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	0	0	0	20	24	29	33	60	166
PB 2011 Total	0	0	0	0	20	24	29	33	60	166
Jun 2008 Total	0	0	0	0	20	28	36	40	36	160
Delta	0	0	0	0	0	-4	-7	-7	24	6

## 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						
		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	5.7	--	--	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	9.6	39.0	
2009	9	18.4	--	1.4	19.8	20.5	40.3	
2010	8	24.3	--	--	24.3	17.6	41.9	
2011	3	10.9	--	--	10.9	8.9	19.8	
Subtotal	85	170.9	--	1.4	172.3	168.1	340.4	



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	6.1	--	--	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	9.4	38.2	
2009	9	17.8	--	1.4	19.2	19.9	39.1	
2010	8	23.2	--	--	23.2	16.9	40.1	
2011	3	10.3	--	--	10.3	8.3	18.6	
Subtotal	85	169.9	--	1.4	171.3	175.2	346.5	

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	--	--	--	--	--	3.7	3.7	
2007	--	--	--	--	--	0.4	0.4	
2008	150	17.6	--	--	17.6	0.5	18.1	
2009	251	14.1	--	1.4	15.5	1.7	17.2	
2010	401	23.3	--	--	23.3	2.5	25.8	
2011	320	17.2	--	--	17.2	1.9	19.1	
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	99	8.6	--	--	8.6	2.1	10.7	
Subtotal	12720	846.1	--	1.4	847.5	64.2	911.7	

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	--	--	--	--	--	3.8	3.8
2007	--	--	--	--	--	0.4	0.4
2008	150	17.2	--	--	17.2	0.5	17.7
2009	251	13.6	--	1.4	15.0	1.6	16.6
2010	401	22.2	--	--	22.2	2.4	24.6
2011	320	16.2	--	--	16.2	1.8	18.0
2012	343	16.9	--	--	16.9	1.8	18.7
2013	344	17.5	--	--	17.5	1.9	19.4
2014	370	17.8	--	--	17.8	1.9	19.7
2015	380	18.0	--	--	18.0	1.9	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	1.2	20.0
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	1.2	20.3
2022	382	19.1	--	--	19.1	1.3	20.4
2023	365	19.2	--	--	19.2	1.2	20.4
2024	386	19.2	--	--	19.2	1.2	20.4
2025	388	19.2	--	--	19.2	1.3	20.5
2026	390	19.3	--	--	19.3	1.2	20.5
2027	391	19.3	--	--	19.3	1.2	20.5
2028	372	19.3	--	--	19.3	1.2	20.5
2029	393	19.4	--	--	19.4	1.1	20.5
2030	394	19.4	--	--	19.4	1.1	20.5
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	1.1	20.5
2035	431	19.4	--	--	19.4	1.2	20.6
2036	441	19.4	--	--	19.4	1.2	20.6
2037	451	19.5	--	--	19.5	1.1	20.6
2038	462	19.5	--	--	19.5	1.2	20.7
2039	472	19.5	--	--	19.5	1.2	20.7
2040	483	19.5	--	--	19.5	1.3	20.8
2041	99	4.9	--	--	4.9	1.2	6.1
<b>Subtotal</b>	<b>12720</b>	<b>625.2</b>	<b>--</b>	<b>1.4</b>	<b>626.6</b>	<b>49.5</b>	<b>676.1</b>

### 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	--	--	--	--	--	--	4.1
2009	--	--	--	--	--	--	10.2
2010	--	--	--	--	--	--	65.2
2011	--	--	--	--	--	--	51.7
2012	--	--	--	--	--	--	50.5
2013	--	--	--	--	--	--	9.9
2014	--	--	--	--	--	--	0.6
2015	--	--	--	--	--	--	0.7
Subtotal	--	--	--	--	--	--	192.9

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	--	--	--	--	--	--	4.1
2009	--	--	--	--	--	--	10.0
2010	--	--	--	--	--	--	63.1
2011	--	--	--	--	--	--	49.3
2012	--	--	--	--	--	--	47.4
2013	--	--	--	--	--	--	9.1
2014	--	--	--	--	--	--	0.5
2015	--	--	--	--	--	--	0.6
Subtotal	--	--	--	--	--	--	184.1

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	20	61.9	--	--	61.9	20.6	82.5	
2013	24	66.3	--	--	66.3	33.9	100.2	
2014	29	75.6	--	--	75.6	42.2	117.8	
2015	33	81.5	--	--	81.5	20.8	102.3	
2016	45	94.9	--	--	94.9	9.2	104.1	
2017	15	30.3	--	--	30.3	6.4	36.7	
Subtotal	166	410.5	--	--	410.5	133.1	543.6	

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	20	57.3	--	--	57.3	19.1	76.4	
2013	24	60.4	--	--	60.4	30.9	91.3	
2014	29	67.7	--	--	67.7	37.8	105.5	
2015	33	71.8	--	--	71.8	18.3	90.1	
2016	45	82.2	--	--	82.2	7.9	90.1	
2017	15	25.8	--	--	25.8	5.4	31.2	
Subtotal	166	365.2	--	--	365.2	119.4	484.6	

## Low Rate Initial Production

### IDECM Blocks 2/3

Item	Initial LRIP Decision	Current Total LRIP
<b>Approval Date</b>	12/1/2000	4/13/2009
<b>Approved Quantity</b>	1	401
<b>Reference</b>	ADM	ADM
<b>Start Year</b>	2003	2009
<b>End Year</b>	2004	2011

LRIP 1 authorization was Dec 2000. LRIP 2 authorization was Nov 2001. LRIP 3 authorization was May 2003. LRIP 4 authorization was Jun 2006. LRIP 5 authorization was APR 2009. The initial LRIP decision quantities were funded using APN-1 and are not included in this SAR.

### IDECM Block 4

Item	Initial LRIP Decision	Current Total LRIP
<b>Approval Date</b>	12/1/2000	12/1/2000
<b>Approved Quantity</b>	1	3
<b>Reference</b>	ADM	ADM
<b>Start Year</b>	2003	2003
<b>End Year</b>	2011	2011

LRIP 1 authorization was Dec 2000. LRIP 2 authorization was Nov 2001. LRIP 3 authorization was May 2003. LRIP 4 authorization was Jun 2006. LRIP 5 authorization was Apr 2009.



## Foreign Military Sales

### IDECM Blocks 2/3

Country	Date of Sale	Quantity	Total Cost \$M	Description
Australia	4/17/2009	12	2.1	Australia is procuring 12 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	72	4.0	Australia is procuring 72 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	24	43.5	Australia is procuring 24 IDECM Block 2/3 (ALQ-214) systems as part of the Australian Super Hornet procurement, per Line 25, Amendment 1 of Case AT-P-SAF.

**Notes**

### IDECM Block 4

None

## Nuclear Costs

### IDECM Blocks 2/3

None

### IDECM Block 4

None

## Unit Cost

### IDECM Blocks 2/3

#### Unit Cost Report

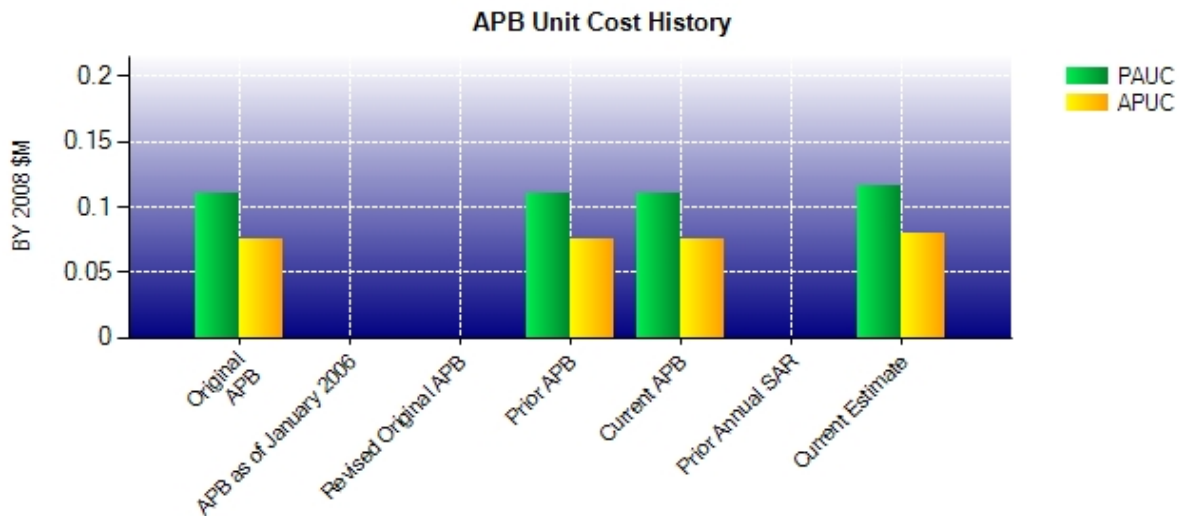
Item	BY 2008 \$M	BY 2008 \$M	% Change
	Current UCR Baseline (Jul 2009 APB)	Current Estimate (Dec 2009 SAR)	
<b>Program Acquisition Unit Cost</b>			
Cost	1410.9	1479.0	
Quantity	12809	12805	
Unit Cost	0.110	0.116	+5.45
<b>Average Procurement Unit Cost</b>			
Cost	956.0	1022.6	
Quantity	12809	12805	
Unit Cost	0.075	0.080	+6.67

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Original UCR Baseline (Jun 2008 APB)	Current Estimate (Dec 2009 SAR)	
<b>Program Acquisition Unit Cost</b>			
Cost	1892.4	1479.0	
Quantity	13005	12805	
Unit Cost	0.146	0.116	-20.55
<b>Average Procurement Unit Cost</b>			
Cost	1437.8	1022.6	
Quantity	13005	12805	
Unit Cost	0.111	0.080	-27.93

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**



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 2008	0.110	0.075	0.120	0.089
Current APB	Jul 2009	0.110	0.075	0.120	0.089
Prior Annual SAR	N/A	N/A	N/A	N/A	N/A
Current Estimate	Dec 2009	0.116	0.080	0.128	0.098

**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	-0.004	-0.001	0.014	0.000	-0.004	0.000	0.003	0.008	0.128

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	-0.004	0.000	0.014	0.000	-0.004	0.000	0.003	0.009	0.098

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

IB2/IB3 (ALQ-214/ALE-55) MS II was OCT 1995.

Data in the table above reflects IDECM Block 2.

**IDECM Block 4**

**Unit Cost Report**

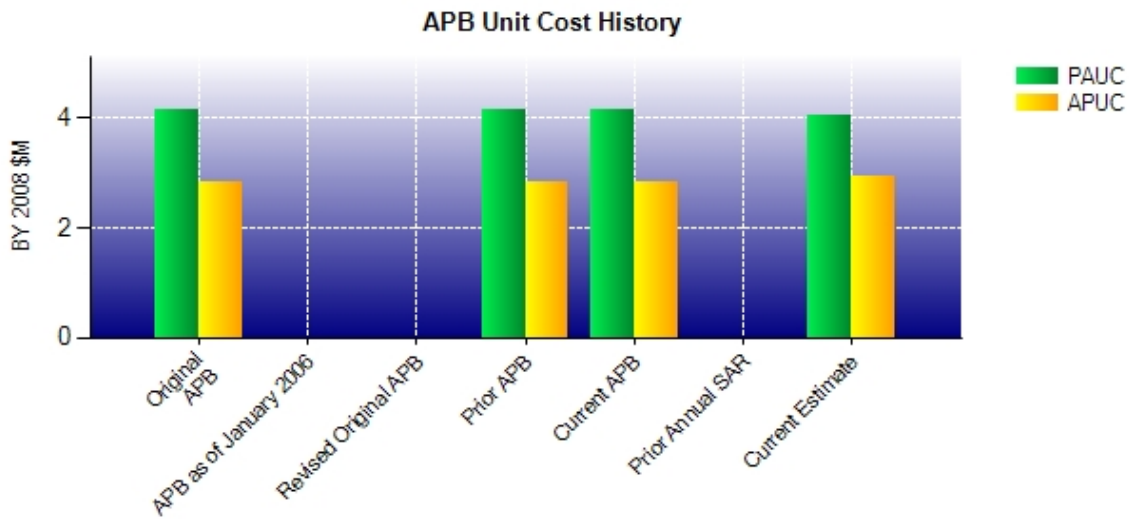
Item	BY 2008 \$M	BY 2008 \$M	% Change
	Current UCR Baseline (Jul 2009 APB)	Current Estimate (Dec 2009 SAR)	
<b>Program Acquisition Unit Cost</b>			
Cost	660.7	668.7	
Quantity	160	166	
Unit Cost	4.129	4.028	-2.45
<b>Average Procurement Unit Cost</b>			
Cost	451.2	484.6	
Quantity	160	166	
Unit Cost	2.820	2.919	+3.51

Item	BY 2008 \$M	BY 2008 \$M	% Change
	Original UCR Baseline (Jun 2008 APB)	Current Estimate (Dec 2009 SAR)	
<b>Program Acquisition Unit Cost</b>			
Cost	646.7	668.7	
Quantity	160	166	
Unit Cost	4.042	4.028	-0.35
<b>Average Procurement Unit Cost</b>			
Cost	432.9	484.6	
Quantity	160	166	
Unit Cost	2.706	2.919	+7.87

Costs include the ALQ-214 and Electronic Frequency Converter (EFC).  
 Quantities include 166 ALQ-214 v(4)'s.

**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	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	N/A	N/A	N/A	N/A	N/A
Current Estimate	Dec 2009	4.028	2.919	4.437	3.275

**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	-0.141	-0.056	-0.027	0.000	-0.179	0.000	0.177	-0.226	4.437

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	-0.110	-0.005	-0.027	0.000	-0.022	0.000	0.177	0.013	3.275

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	Jun 2014
Total Cost (TY \$M)		N/A	728.9	N/A	736.5
Total Quantity		N/A	160	N/A	166
PAUC		N/A	4.556	N/A	4.437

## 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	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current 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
Total Changes	--	+107.9	--	+107.9
Current Estimate	391.0	1252.1	--	1643.1



Summary BY 2008 \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Production Estimate)	454.9	956.0	--	1410.9
Previous Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current 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
Total Changes	+1.5	+66.6	--	+68.1
Current Estimate	456.4	1022.6	--	1479.0

Previous Estimate: June 2008

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-1.3
Adjustment for current and prior escalation. (Estimating)	+1.5	+1.3
<b>RDT&amp;E Subtotal</b>	<b>+1.5</b>	<b>0.0</b>

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-45.1
Adjustment for current and prior escalation. (Estimating)	+2.8	+2.8
Adjustment for current and prior escalation. (Support)	+1.0	+1.0
Quantity variance resulting from a decrease of 4 ALQ 214 systems, from 89 to 85. (APN) (Quantity)	-0.4	-0.4
Additional quantity variance resulting from a decrease of 4 ALQ 214 systems. (APN) (Quantity)	-10.1	-10.8
Acceleration of ALQ-214 procurement buy profile. (APN) (Schedule)	0.0	-0.1
Additional schedule variance to reflect ALQ-214 buy profile. (APN) (Schedule)	+4.9	+5.4
Decrease to reflect FY09 and FY10 awarded ALQ-214 Firm Fixed Price contract awards. (APN) (Estimating)	-8.4	-8.2
Decrease based on an update to the estimate for a quantity adjustment of ancillary equipment, EFC quantity decreased from 108 to 100. (APN) (Estimating) (QR)	-1.2	-1.3
Decrease based on an update to the estimate for a schedule adjustment of ancillary equipment, EFC procurement schedule. (APN) (Estimating)	-2.9	-3.0
Increase due to revised EFC production estimate. (APN) (Estimating)	+0.6	+0.6
Increase for Sustaining Engineering and Non-Recurring Engineering (NRE) to support production for ancillary equipment, EFC. (APN) (Estimating)	+1.4	+1.4
Increase in other Support for Improved Multi-Platform Launch Controller NRE and retrofit/installs.(APN) (Support)	+18.1	+18.4
Increase in Initial Spares (APN) (Support)	+0.1	+0.1
Stretch-out of ALE-55 procurement buy profile extending the production from FY31 to FY41. (PANMC) (Schedule)	0.0	+70.0
Additional ALE-55 schedule variance based on production extending to FY41. (PANMC) (Schedule)	+75.3	+109.3
Decreased ALE-55 production estimate to reflect material and labor actuals. (PANMC) (Estimating)	-25.0	-47.2
Increase for ALE-55 Sustaining Engineering and NRE to support production. (PANMC) (Estimating)	+1.5	+1.5
Increased the Government In-House support estimate to reflect the ALE 55 production profile extending to FY41. (PANMC) (Support)	+8.9	+13.5
<b>Procurement Subtotal</b>	<b>+66.6</b>	<b>+107.9</b>

(QR) Quantity Related

### 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	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current 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
Total Changes	-31.3	+21.7	--	-9.6
Current Estimate	192.9	543.6	--	736.5

Summary BY 2008 \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Development Estimate)	209.5	451.2	--	660.7
Previous Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current 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
Total Changes	-25.4	+33.4	--	+8.0
Current Estimate	184.1	484.6	--	668.7

Previous Estimate: June 2008

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-5.2
Adjustment for current and prior escalation. (Estimating)	+1.9	+1.9
Decrease estimate to reflect awarded Firm Fixed Price development contract. (Estimating)	-27.3	-28.0
<b>RDT&amp;E Subtotal</b>	<b>-25.4</b>	<b>-31.3</b>

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-18.2
Quantity variance resulting from an increase of 6 ALQ 214 systems, from 160 to 166. (Quantity)	+10.9	+12.8
Additional quantity variance from increase of 6 ALQ 214 systems. (Quantity)	+4.9	+5.8
Stretch-out of procurement buy profile. ALQ 214 system procurement schedule extended from FY16 to FY17. (Schedule)	0.0	+1.6
Additional schedule variance from changes to the ALQ 214 buy profile. (Schedule)	-5.6	-6.1
Decreased ALQ 214 production estimate to reflect update of the technical baseline. (Estimating)	-4.4	-5.9
Increase based on an update to the estimate for a quantity adjustment of ancillary equipment, EFC quantity increased from 189 to 194. (Estimating) (QR)	+0.8	+0.9
Increase based on an update to the estimate for a schedule adjustment of ancillary equipment, EFC procurement schedule extended from FY16 to FY17. (Estimating)	+0.2	+0.3
Increase due to revised EFC production estimate. (Estimating)	+1.1	+1.1
Decrease in Other Support to reflect revised Government In-House Support estimate. (Support)	-8.5	-9.1
Increase in APN 6 Initial Spares and Repair of Repairable (RoR) as a result of the NAVICP Budget Assessment Memorandum process. (Support)	+34.0	+38.5
<b>Procurement Subtotal</b>	<b>+33.4</b>	<b>+21.7</b>

(QR) Quantity Related

## Contracts

### Contract Identification

**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:** N00019-05-C-0054  
**Contract Type:** Firm Fixed Price (FFP)  
**Award Date:** March 02, 2006  
**Definitization Date:** March 02, 2006

Contract Price								
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	95.0	N/A	66	113.3	113.3	

### Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to

### Cost and Schedule Variance Explanations

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

### Notes

The initial target and quantity reflects Full Rate Production (FRP) 3 which was awarded in Mar 2006 at \$30.8M for a quantity of 18 systems. The increase in the current target price reflects the award of 4 options (FRP 4-7) for a total of \$82.5M and an additional quantity of 48 ALQ-214 systems.

**Contract Identification**

**Appropriation:** Procurement  
**Contract Name:** ALE-55 LRIP 4 & 5  
**Contractor:** BAE Systems Information and Electronics  
**Contractor Location:** Nashua, NH 03060  
**Contract Number:** N00019-08-C-0044  
**Contract Type:** Firm Fixed Price (FFP)  
**Award Date:** June 26, 2008  
**Definitization Date:** June 26, 2008

Contract Price							
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

**Target Price Change Explanation**

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to

**Cost and Schedule Variance Explanations**

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

**Notes**

The initial target of \$23.2M and quantity reflect LRIP 4 which was awarded June 2008 for 11 Electronic Frequency Converters (EFCs) and 150 ALE-55 decoys. The increase in the current target price reflects the award of a pre-negotiated option for LRIP 5 awarded April 2009, in the amount of \$18.4M for an additional 8 EFCs and 251 ALE-55 decoys.

**Contract Identification**

**Appropriation:** RDT&E  
**Contract Name:** ALQ-214 ECP EMD Effort  
**Contractor:** ITT Electronic Systems  
**Contractor Location:** Clifton, NJ 07014  
**Contract Number:** N00019-10-C-0022  
**Contract Type:** Firm Fixed Price (FFP)  
**Award Date:** December 17, 2009  
**Definitization Date:**

Contract Price							
Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
111.7	N/A	N/A	50.0	N/A	N/A	50.0	50.0

**Target Price Change Explanation**

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to

**Cost and Schedule Variance Explanations**

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

**Notes**

An Undefinitized Contract Action (UCA) was awarded in Dec 2009 for a not to exceed value of \$111.7M. The contract will be incrementally funded over 3 years. The current target price is \$50.0M. Under this contract approximately 17 modified ALQ-214 systems for test and integration will be delivered. The contract is planned to be definitized in June 2010.



## 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	59	59	12805	0.46%
Total Program Quantity Delivered	59	59	12805	0.46%

Expended and Appropriated (TY \$M)			
Total Acquisition Cost	1643.1	Years Appropriated	16
Expended to Date	563.7	Percent Years Appropriated	34.04%
Percent Expended	34.31%	Appropriated to Date	776.8
Total Funding Years	47	Percent Appropriated	47.28%

Expenditures reflect IDECM Block 2/3 RDT&E, APN-5 and PANMC.

### IDECM Block 4

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	0	0	166	0.00%
Total Program Quantity Delivered	0	0	166	0.00%

Expended and Appropriated (TY \$M)			
Total Acquisition Cost	736.5	Years Appropriated	3
Expended to Date	15.4	Percent Years Appropriated	30.00%
Percent Expended	2.09%	Appropriated to Date	79.5
Total Funding Years	10	Percent Appropriated	10.79%

## Operating and Support Cost

### IDECM Blocks 2/3

#### Assumptions and Ground Rules

Integrated Defense Electronic Countermeasures (IDECM)  
 Date of estimate: May 1, 2008.

**ASSUMPTIONS:**

- Estimate is based on 285 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.

Cost Estimate Reference:

None

Sustainment Strategy:

None

Antecedent Information:

None

Unitized O&S Costs BY2008 \$K		
Cost Element	IDECM Blocks 2/3 Average Annual Cost Per ALQ- 214v3	No Antecedent (Antecedent) N/A
Mission Pay & Allowance	--	--
Unit Level Consumption	36.165	--
Intermediate Maintenance	--	--
Depot Maintenance	--	--
Contractor Support	--	--
Sustaining Support	10.854	--
Indirect	--	--
Other	0.508	--
<b>Total</b>	<b>47.527</b>	<b>--</b>

Unitized Cost Comments:

None

Item	Total O&S Cost \$M				
	IDECM Blocks 2/3			No Antecedent (Antecedent)	
	Current Production APB Objective/Threshold		Current Estimate		
<b>Base Year</b>	270.9	298.0	270.9		N/A
<b>Then Year</b>	412.0	N/A	412.0		N/A

Total O&S Cost Comment  
None

**Disposal Estimate Details**

Date of Estimate:

Source of Estimate:

Disposal/Demilitarization Total Cost (BY 2008 \$M):

**IDECM Block 4**

**Assumptions and Ground Rules**

Integrated Defense Electronic Countermeasures (IDECM)

Date of estimate: May 1, 2008.

**ASSUMPTIONS:**

Estimate is based on 160 Suites.

A suite includes an ALQ-214v(4).

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.

Cost Estimate Reference:

None

Sustainment Strategy:

None

Antecedent Information:

None

Unitized O&S Costs BY2008 \$K		
Cost Element	IDECM Block 4 Average Annual Cost Per ALQ- 214v4	No Antecedent (Antecedent) N/A
Mission Pay & Allowance	--	--
Unit Level Consumption	26.832	--
Intermediate Maintenance	--	--
Depot Maintenance	--	--
Contractor Support	--	--
Sustaining Support	20.186	--
Indirect	--	--
Other	0.500	--
<b>Total</b>	<b>47.518</b>	<b>--</b>

Unitized Cost Comments:

None

Item	Total O&S Cost \$M			
	IDECM Block 4		No Antecedent (Antecedent)	
	Current Development APB Objective/Threshold	Current Estimate		
<b>Base Year</b>	152.1	167.3	152.1	N/A
<b>Then Year</b>	244.2	N/A	244.2	N/A

Total O&S Cost Comment

None

**Disposal Estimate Details**

**Date of Estimate:**

**Source of Estimate:**

**Disposal/Demilitarization Total Cost (BY 2008 \$M):**