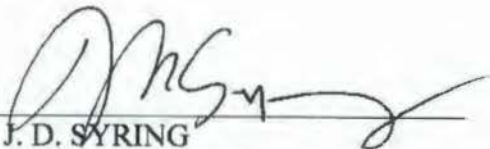


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(U) BALLISTIC MISSILE DEFENSE SYSTEM (BMDS)  
ACCOUNTABILITY REPORT (BAR), APPENDIX F, for 2013

(U) The Missile Defense Agency (MDA) presents the 2013 BMDS Accountability Report (BAR), Appendix F, to Congress to enhance the transparency, accountability, and oversight of the BMDS program.



J. D. SYRING  
Vice Admiral, USN  
Director

5/2/13  
DATE

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From Classified Attachment

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# (U) Missile Defense Agency

(U) Ballistic Missile Defense System (BMDS) Accountability Report  
(BAR) For 2013

(U) Appendix F, Classified Baseline Charts



(U) April 24, 2013

~~Distribution statement F applies. Further dissemination only as directed by Missile Defense Agency April 24, 2013, or higher DoD authority.~~

~~This document is exempt from disclosure to the public under the Freedom of Information Act [5 U.S.C. 552(b)(1) applies]. DESTRUCTION NOTICE—This document contains Controlled Unclassified Information relating to BMDS and must be destroyed as classified waste or in accordance with FOUO destruction requirements. Local Reproduction of this document is authorized only in its entirety.~~

Classified By: VADM J.D.  
Syring, USN, Director, Missile  
Defense Agency

Derived from: Multiple sources,  
see 2013 BMDS Accountability  
Report (BAR) Appendix E

Declassify On: April 24, 2036

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) C2BMC Spiral 6.4 and 8.2**

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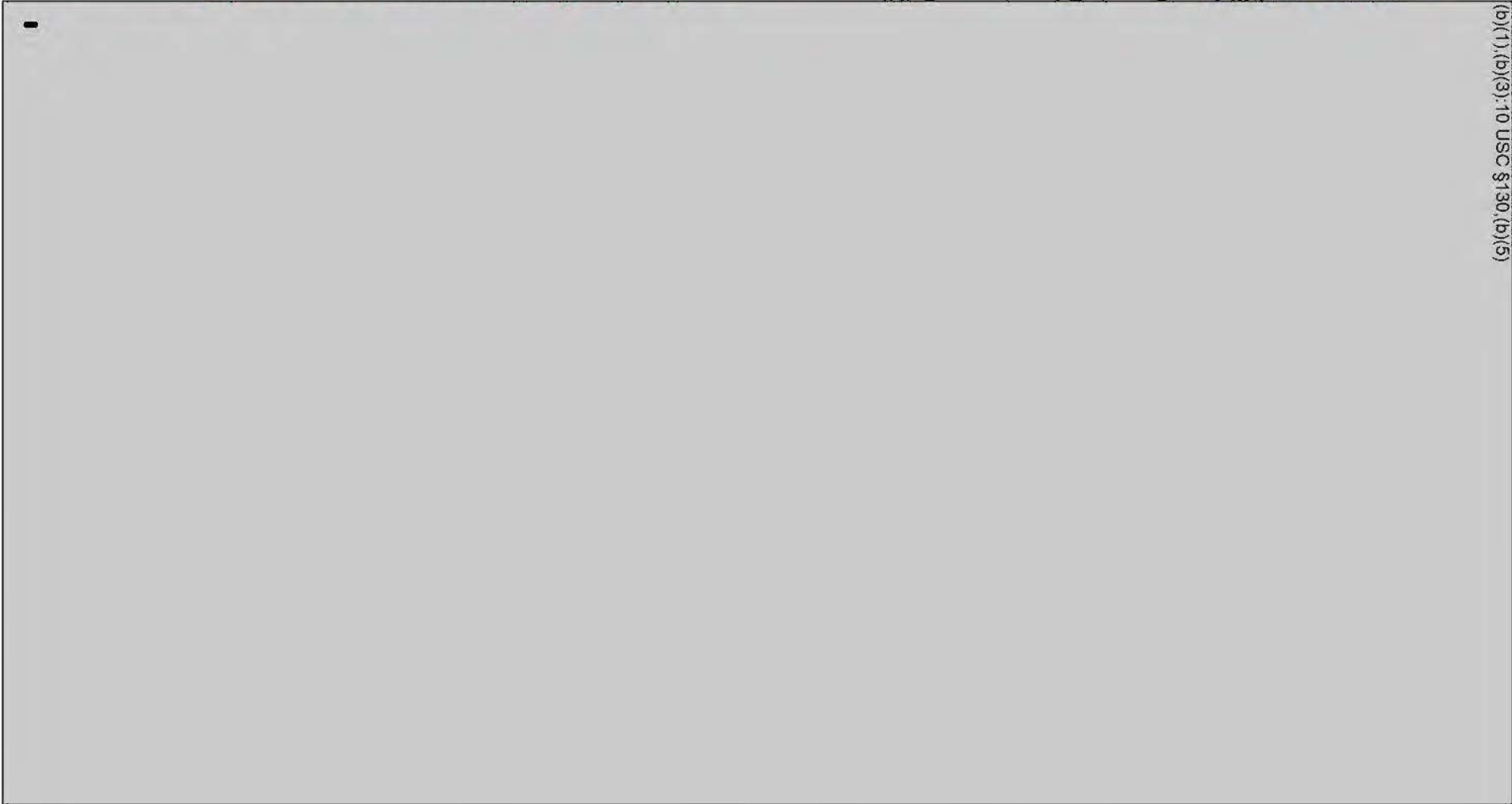
~~SECRET~~

~~Classified by compilation: The COCOM Capability Needs identified here are individually unclassified, but are classified Secret when compiled with all other COCOM Needs per page 31 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List 2009 dated 19 March 2010.~~

# (U) C2BMC Spiral 6.4 and 8.2 (1 of 2)

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(1), (b)(3), 10 USC §1330, (b)(5)

Approved Original Signed Date 6 Mar 2013

John M. Bier  
Program Director C2BMC

Approved Original Signed Date 7 Mar 2013

Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 10 Apr 2013

Keith L. Englander  
Director for Engineering

~~SECRET~~





~~SECRET~~

~~Classified by compilation. The COCOM Capability Needs identified here are individually unclassified, but are classified S//NF when compiled with all other COCOM Needs per page 31 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List 2009 dated 18 March 2010.~~

# (U) C2BMC Spiral 6.4 and 8.2 (2 of 2)

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(3), (b)(5) USC § 1350, (b)(5)

~~This Page Is Unclassified When Separated From Classified Attachment~~

Approved Original Signed Date 6 Mar 2013  
John M. Bier  
Program Director C2BMC

Approved Original Signed Date 7 Mar 2013  
Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 10 Mar 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~



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*(U) 2013 BMDS Accountability Report (BAR)*

---

# **(U) THAAD 1.0/2.0**

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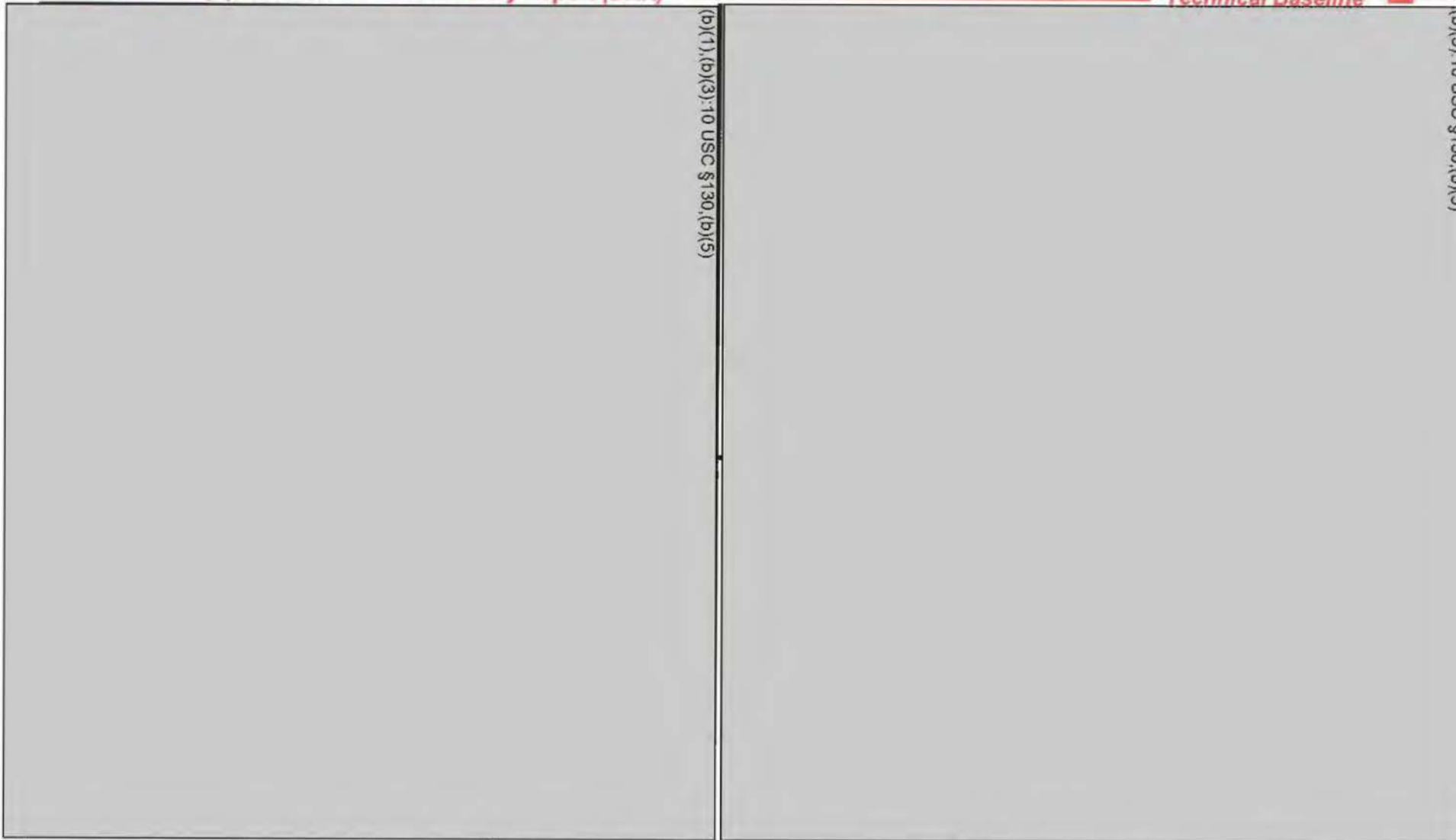
~~SECRET~~

~~Classified by compilation: The COCOM Capability Needs identified here are individually unclassified, but are classified S//NF when compiled with all other COCOM Needs per page 31 of the STRATCOM Issued Air & Missile Defense Prioritized Capabilities List 2009 dated 18 March 2010.~~

# (U) THAAD 1.0/2.0

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(1), (b)(3):10 USC §130, (b)(5)

(b)(3):10 USC §130, (b)(5)

Approved Original Signed Date 8 Apr 2013  
COL Anthony T. Brown  
THAAD Project Manager

Approved Original Signed Date 8 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 10 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~





~~SECRET~~

# (U) THAAD 1.0/2.0

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline

[Redacted content]

(b)(1), (b)(3): 10 USC §130, (b)(5)

[Redacted content]

(b)(1), (b)(3): 10 USC §130, (b)(5)

[Redacted content]

(b)(3): 10 USC §130, (b)(5)

Approved Original Signed Date 8 Apr 2013  
COL Anthony T. Brown  
THAAD Project Manager

Approved Original Signed Date 8 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 10 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~



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*(U) 2013 BMDS Accountability Report (BAR)*

---

# **(U) AN/TPY-2 Increment 1**

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~~Classified by compilation: The COCOM Capability Needs identified here are individually unclassified but are classified S/PRI when compiled with all other COCOM Needs per page 31 of the STRATCOM Joint Air & Missile Defense Prioritized Capabilities List 2009 dated 18 March 2010.~~

# (U) AN/TPY-2 Increment 1

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline

(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013

Tim R. McKaig  
Program Director, BMDS Sensors

Approved Original Signed Date 9 Apr 2013

Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 10 Apr 2013

Keith L. Englander  
Director for Engineering

~~SECRET~~

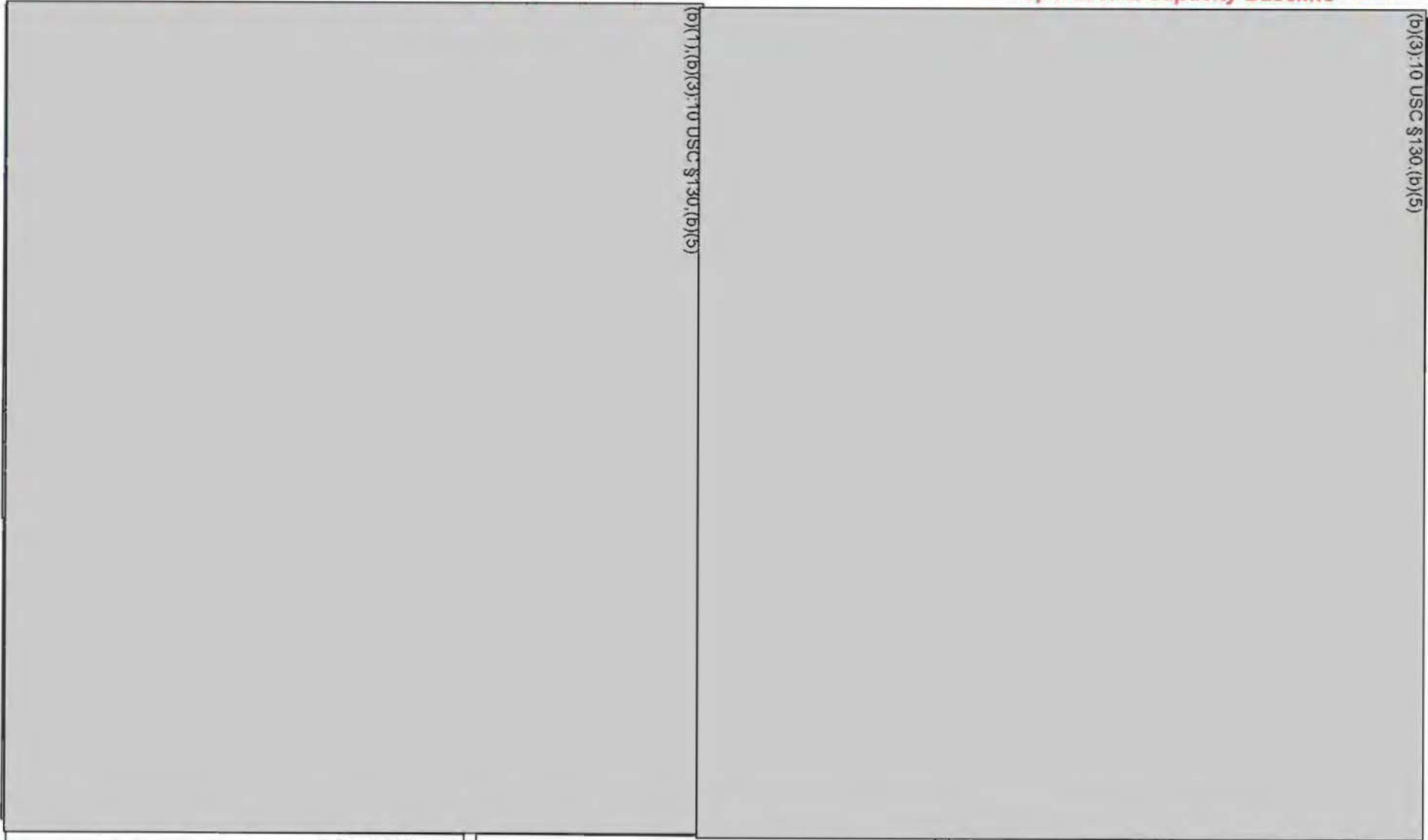


~~SECRET~~

# (U) AN/TPY-2 Increment 1

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline



(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013  
Tim R. McKaig  
Program Director, BMDS Sensors

Approved Original Signed Date 9 Apr 2013  
Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 12 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~



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*(U) 2013 BMDS Accountability Report (BAR)*

---

# **(U) Upgraded Early Warning Radar (UEWR) Increment 2**

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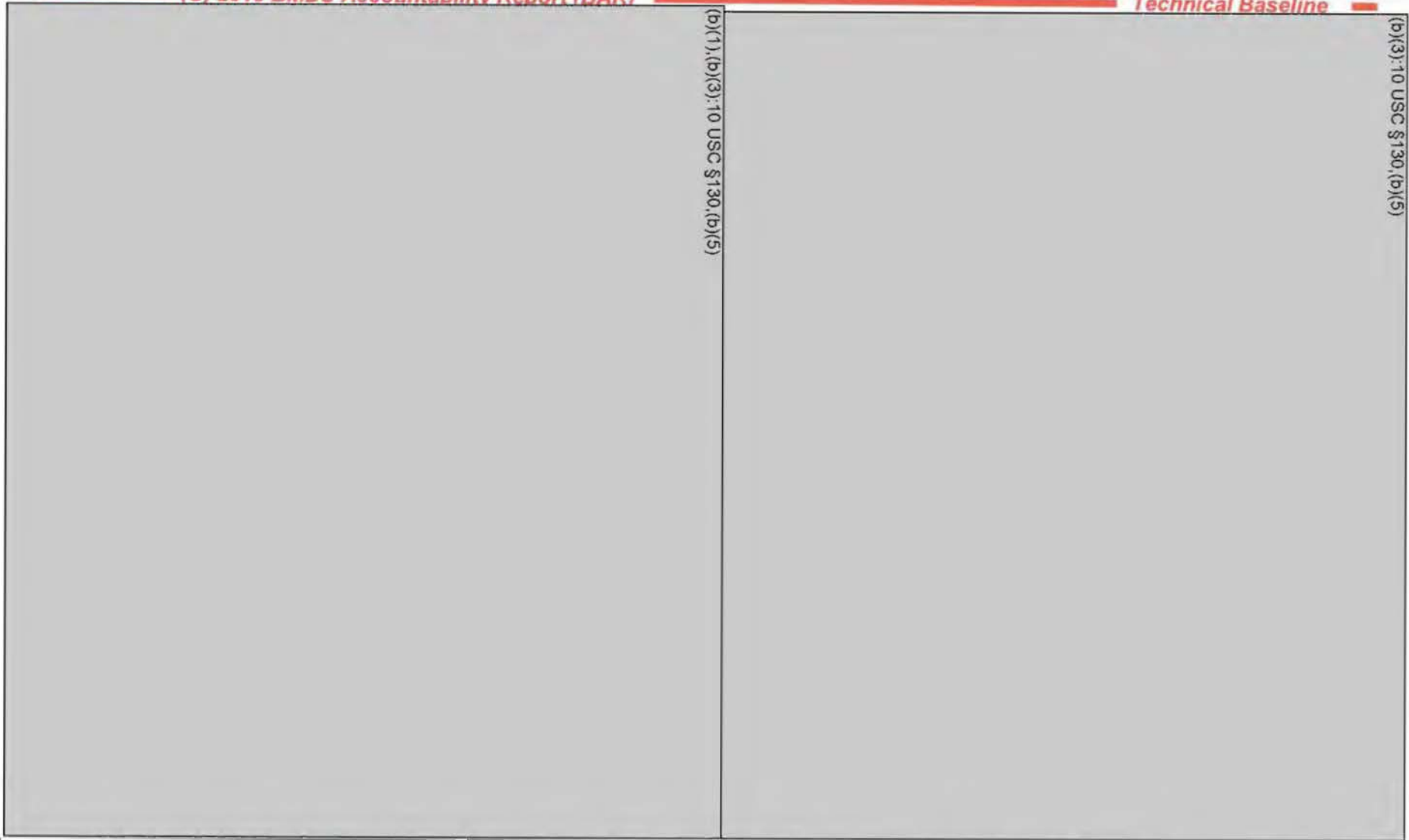
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~~Classified by compilation. The COCOM Capability Needs Identified here are individually unclassified, but are classified S//Rel when compiled with all other COCOM Needs per page 54 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List 2009 dated 18 March 2010.~~

# (U) UEWR Increment 2

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(1), (b)(3):10 USC §130, (b)(5)

(b)(3):10 USC §130, (b)(5)

Approved Original Signed Date 8 Apr 2013  
Tim R. McKaig  
Program Director, BMDS Sensors

Approved Original Signed Date 9 Apr 2013  
Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 10 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~





~~SECRET~~

# (U) UEWR Increment 2

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline

(b)(3):10 USC §130,(b)(5)

(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013

Tim R. McKaig  
Program Director, BMDS Sensors

Approved Original Signed Date 9 Apr 2013

Richard A. Ritter  
Program Executive for C4ISR

Approved Original Signed Date 10 Apr 2013

Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) Aegis BMD 4.0.1/4.0.2/SM-3 Block IB**

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~~Classified by compilation. The COCOM Capability Needs identified here are individually unclassified but are classified S//REL when compiled with all other COCOM Needs per page 31 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List 2009 dated 18 March 2010.~~

# (U) Aegis BMD 4.0.1/4.0.2/SM-3 Block IB

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline

[Redacted content]

(b)(1), (b)(3): 10 USC §130, (b)(5)

[Redacted content]

(b)(1), (b)(3): 10 USC §130, (b)(5)

[Redacted content]

(b)(3): 10 USC §130

Approved Original Signed Date 15 Apr 2013  
Robert C. Shevock  
Program Manager for Aegis BMD 4.0.1

Approved Original Signed Date 15 Apr 2013  
Rear Admiral Randall M. Hendrickson  
Program Executive for Aegis BMD

Approved Original Signed Date 19 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~

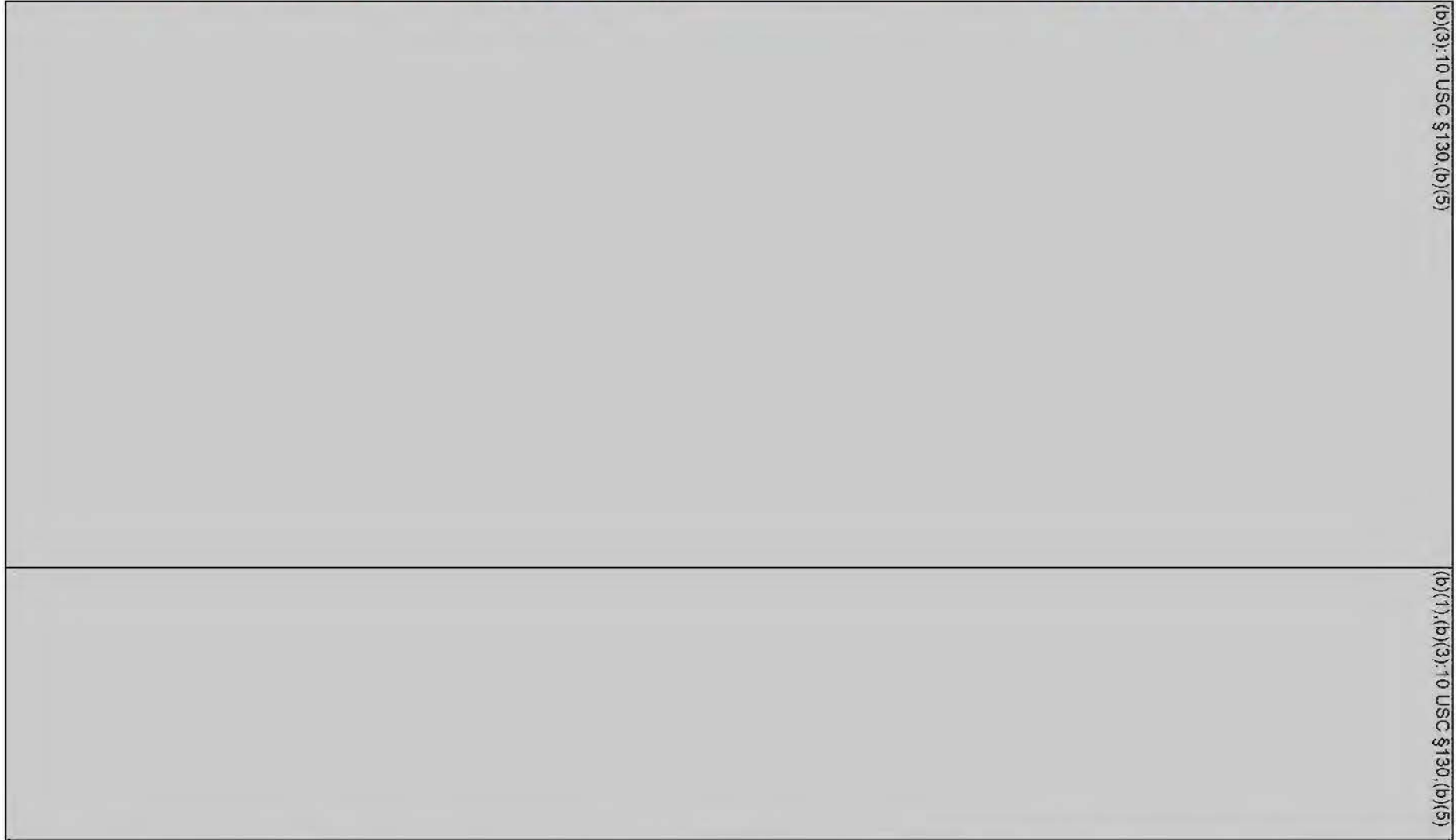


~~SECRET~~

# (U) Aegis BMD 4.0.1/4.0.2/SM-3 Block IB

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline



(b)(3);10 USC §1330;(b)(5)

(b)(1);(b)(3);10 USC §1330;(b)(5)

Approved Original Signed Date 15 Apr 2013  
Robert C. Shevock  
Program Manager for Aegis BMD 4.0.1

Approved Original Signed Date 15 Apr 2013  
Rear Admiral Randall M. Hendrickson  
Program Executive for Aegis BMD

Approved Original Signed Date 19 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~



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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) Aegis Ashore**

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# (U) Aegis Ashore

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline

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|  |  |

(b)(1), (b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 9 Apr 2013  
 CAPT Jeffrey D. Weston  
 Program Manager for Aegis Ashore

Approved Original Signed Date 10 Apr 2013  
 Rear Admiral Randall M. Hendrickson  
 Program Executive for Aegis BMD

Approved Original Signed Date 16 Apr 2013  
 Keith L. Englander  
 Director for Engineering

~~SECRET~~



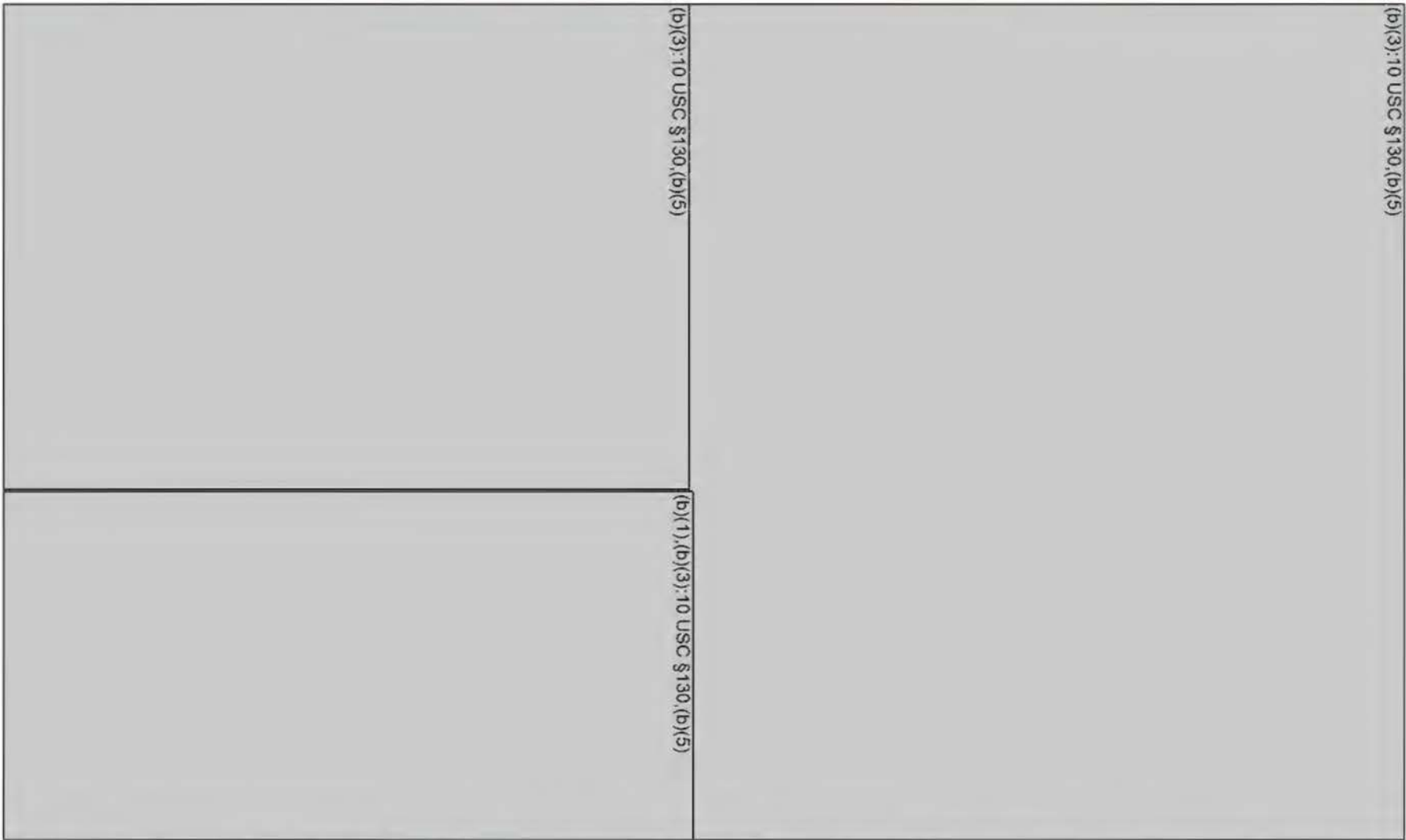


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# (U) Aegis Ashore

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline



(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

(b)(1),(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 9 Apr 2013  
CAPT Jeffrey D. Weston  
Program Manager for Aegis Ashore

Approved Original Signed Date 10 Apr 2013  
Rear Admiral Randall M. Hendrickson  
Program Executive for Aegis BMD

Approved Original Signed Date 16 Apr 2013  
Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) Aegis BMD 5.0**

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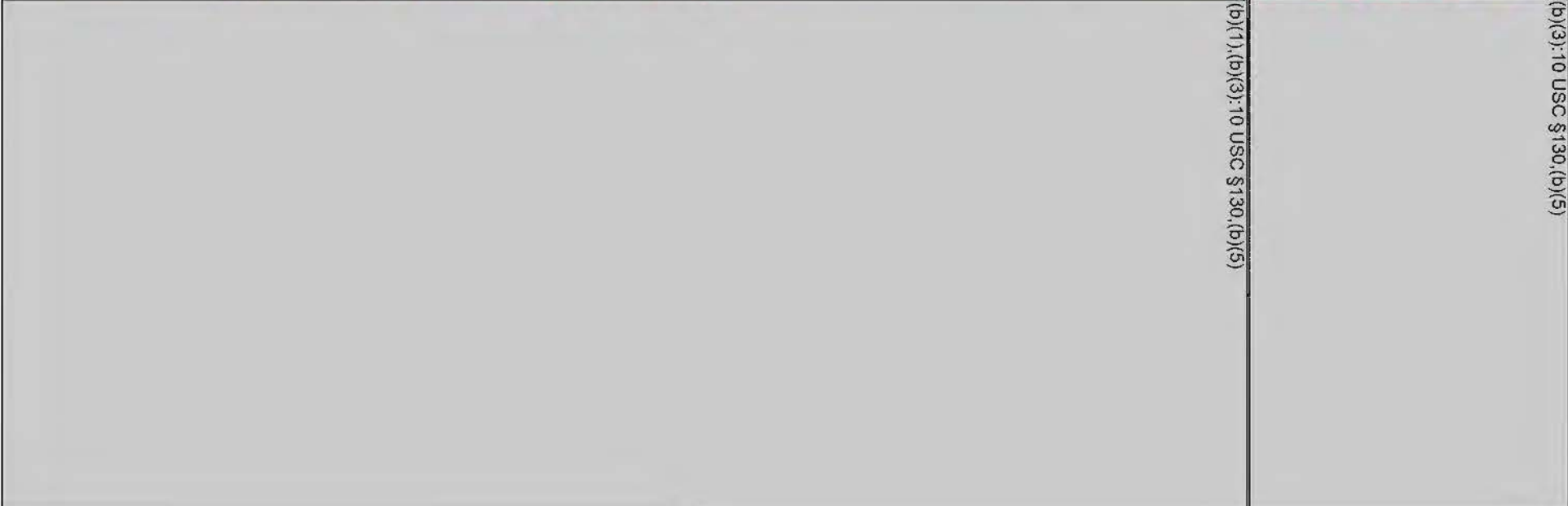
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~~Classified by compilation. The COCOM Capability Needs identified here are individually unclassified but are classified S//Rel when compiled with all other COCOM Needs per page 31 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List, 2009 dated 18 March 2010.~~

# (U) Aegis BMD 5.0

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)



(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 11 Apr 2013  
CAPT Michael D. Anderson  
Program Manager for Aegis Modernization

Approved Original Signed Date 10 Apr 2013  
Rear Admiral Randall M. Hendrickson  
Program Executive for Aegis BMD

Approved Original Signed Date 16 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~

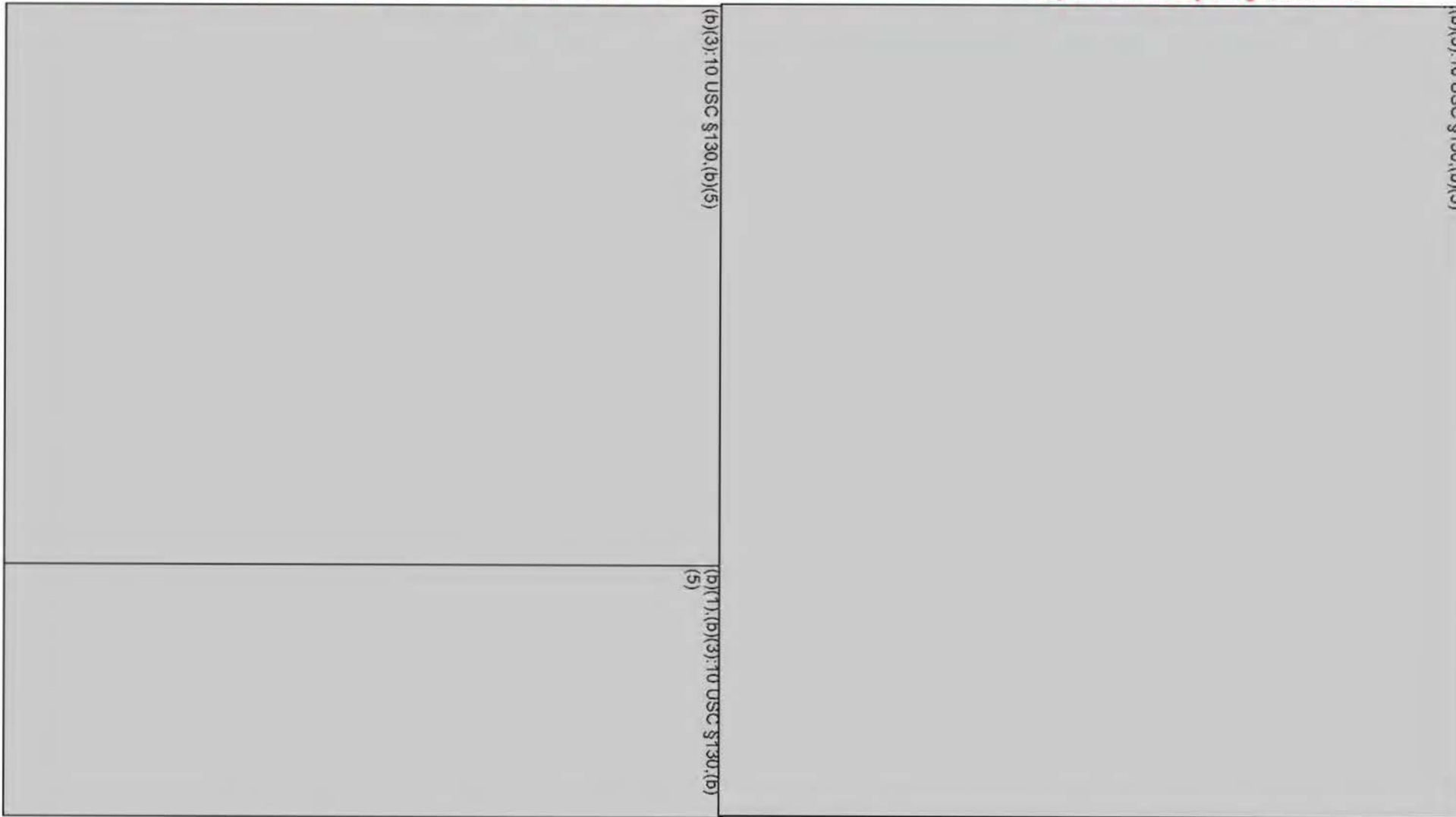


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# (U) Aegis BMD 5.0

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline



(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

(b)(1),(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 11 Apr 2013  
CAPT Michael D. Anderson  
Program Manager for Aegis Modernization

Approved Original Signed Date 10 Apr 2013  
Rear Admiral Randall M. Hendrickson  
Program Executive for Aegis BMD

Approved Original Signed Date 16 Apr 2013  
Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) GMD Initial Homeland Defense (IHD)**

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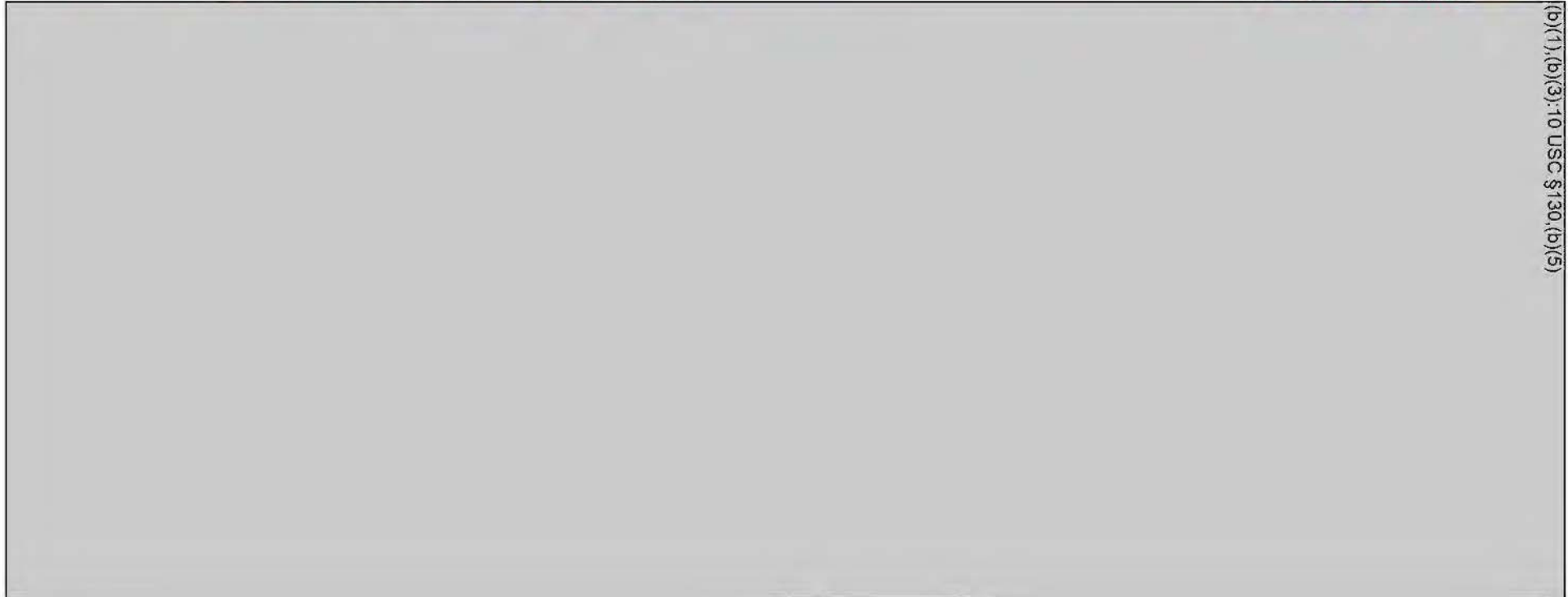
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~~Classified by compilation. The COCOM Capability Needs identified here are individually unclassified but are classified S//NF when compiled with all other COCOM Needs per page 31 of the STRATCOM issued Air & Missile Defense Prioritized Capabilities List 2609 dated 18 March 2010.~~

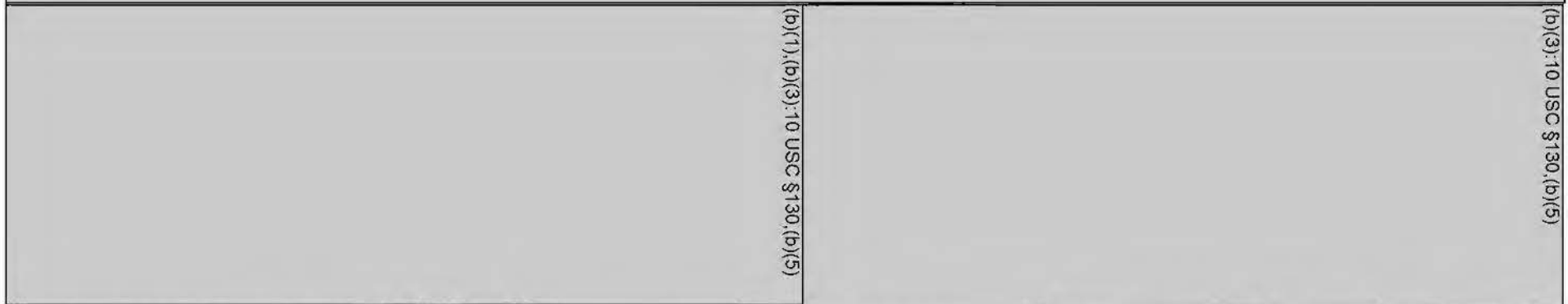
# (U) GMD Initial Homeland Defense (IHD)

(U) 2013 BMDS Accountability Report (BAR)

Technical Baseline



(b)(1),(b)(3):10 USC §130,(b)(5)



(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013  
Carlos B. Kingston  
Program Director Ground-based Midcourse Defense

Approved Original Signed Date 8 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 10 Apr 2013  
Keith L. Englander  
Director for Engineering

~~SECRET~~



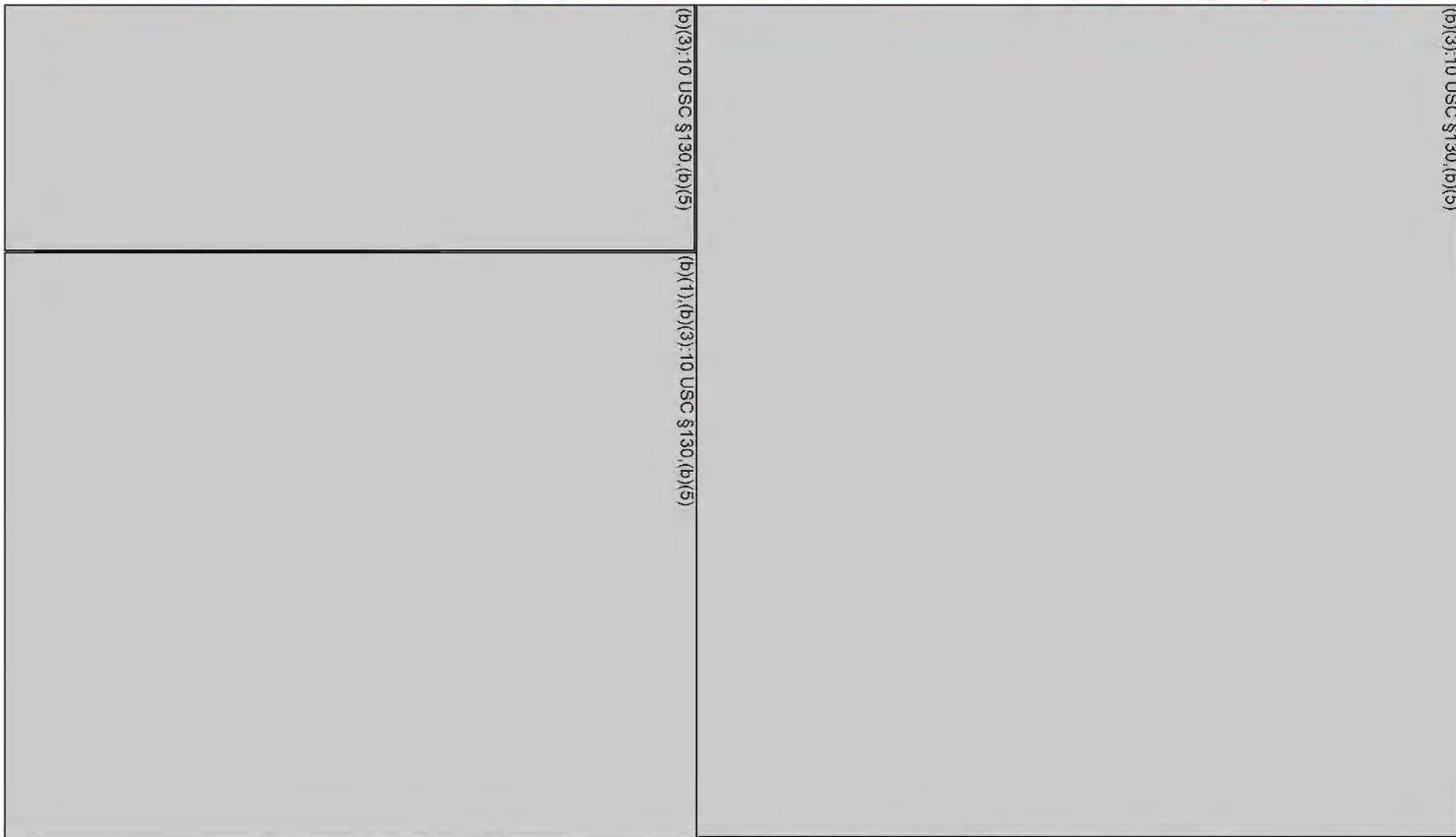


~~SECRET~~

# (U) GMD Initial Homeland Defense (IHD)

(U) 2013 BMDS Accountability Report (BAR)

Operational Capacity Baseline



(b)(3):10 USC §1330,(b)(5)

(b)(3):10 USC §1330,(b)(5)

(b)(1),(b)(3):10 USC §1330,(b)(5)

Approved\_Original Signed Date 8 Apr 2013

Carlos B. Kingston  
Program Director Ground-based Midcourse Defense

Approved\_Original Signed Date 8 Apr 2013

BG Ole Knudson  
Program Executive for Programs & Integration

Approved\_Original Signed Date 10 Apr 2013

Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) Intermediate Range Ballistic Missile (IRBM)**

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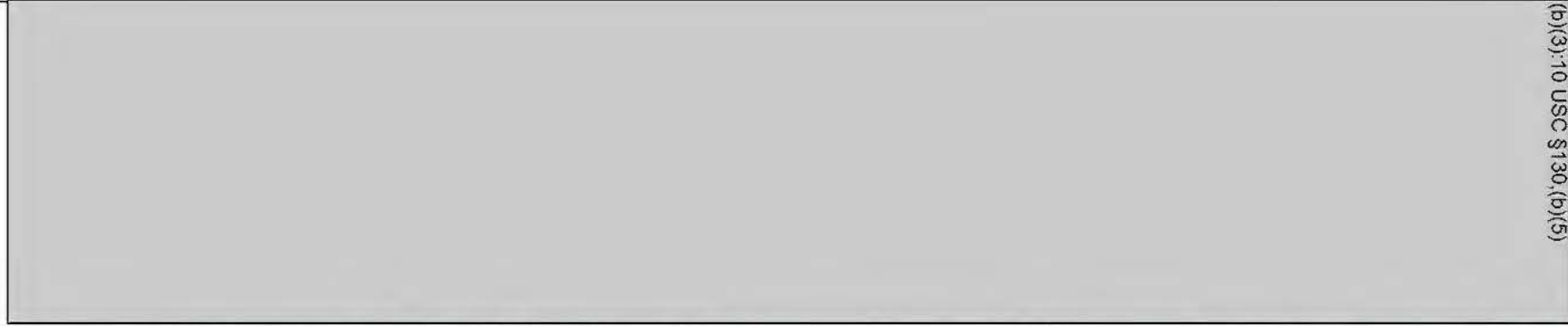
# (U) IRBM

(U) 2013 BMDS Accountability Report (BAR)

Technical Plan



(b)(1), (b)(3), 10 USC §130, (b)(5)



(b)(3), 10 USC §130, (b)(5)

Approved Original Signed Date 8 Apr 2013  
Chester A. DeCesaris  
Program Director, Targets and Countermeasures

Approved Original Signed Date 10 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 12 Apr 2013  
Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

---

# **(U) Medium Range Ballistic Missile (MRBM)**

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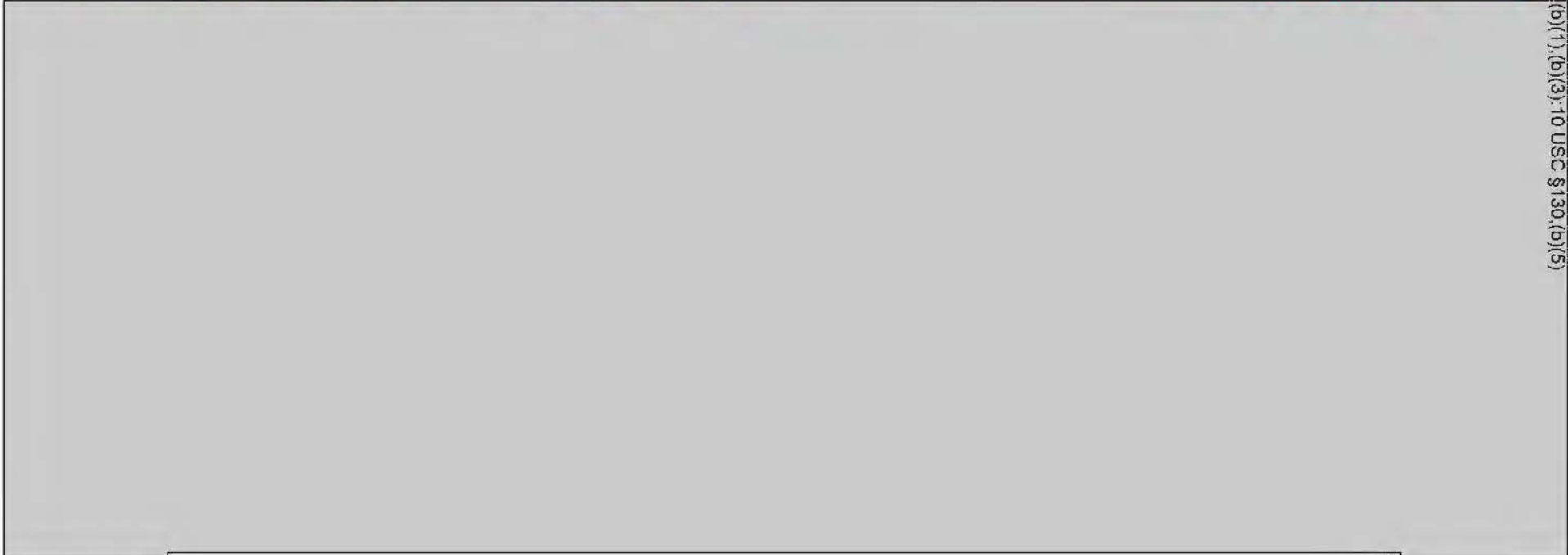


~~SECRET~~

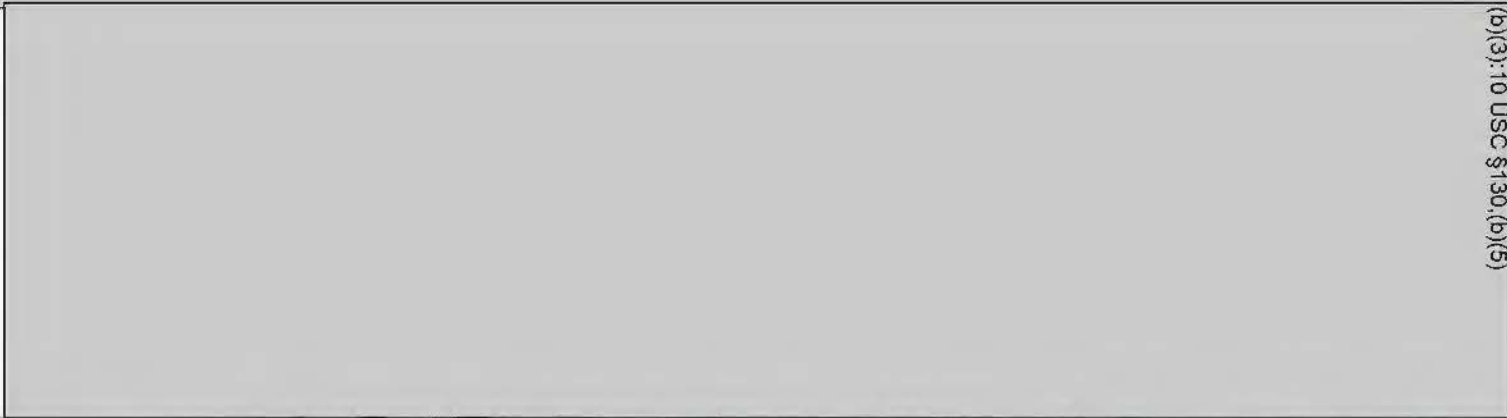
# (U) MRBM

(U) 2013 BMDS Accountability Report (BAR)

Technical Plan



(b)(1), (b)(3):10 USC §130, (b)(5)



(b)(3):10 USC §130, (b)(5)

Approved Original Signed Date 8 Apr 2013  
Chester A. DeCesaris  
Program Director, Targets and Countermeasures

Approved Original Signed Date 10 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 12 Apr 2013  
Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

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# **(U) Short Range Ballistic Missile (SRBM)**

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# (U) SRBM

(U) 2013 BMDS Accountability Report (BAR)

Technical Plan



(b)(1),(b)(3):10 USC §130,(b)(5)

(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013  
Chester A. DeCesaris  
Program Director, Targets and Countermeasures

Approved Original Signed Date 10 Apr 2013  
BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 12 Apr 2013  
Keith L. Englander  
Director for Engineering

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*(U) 2013 BMDS Accountability Report (BAR)*

---

# **(U) Targets Common Components**

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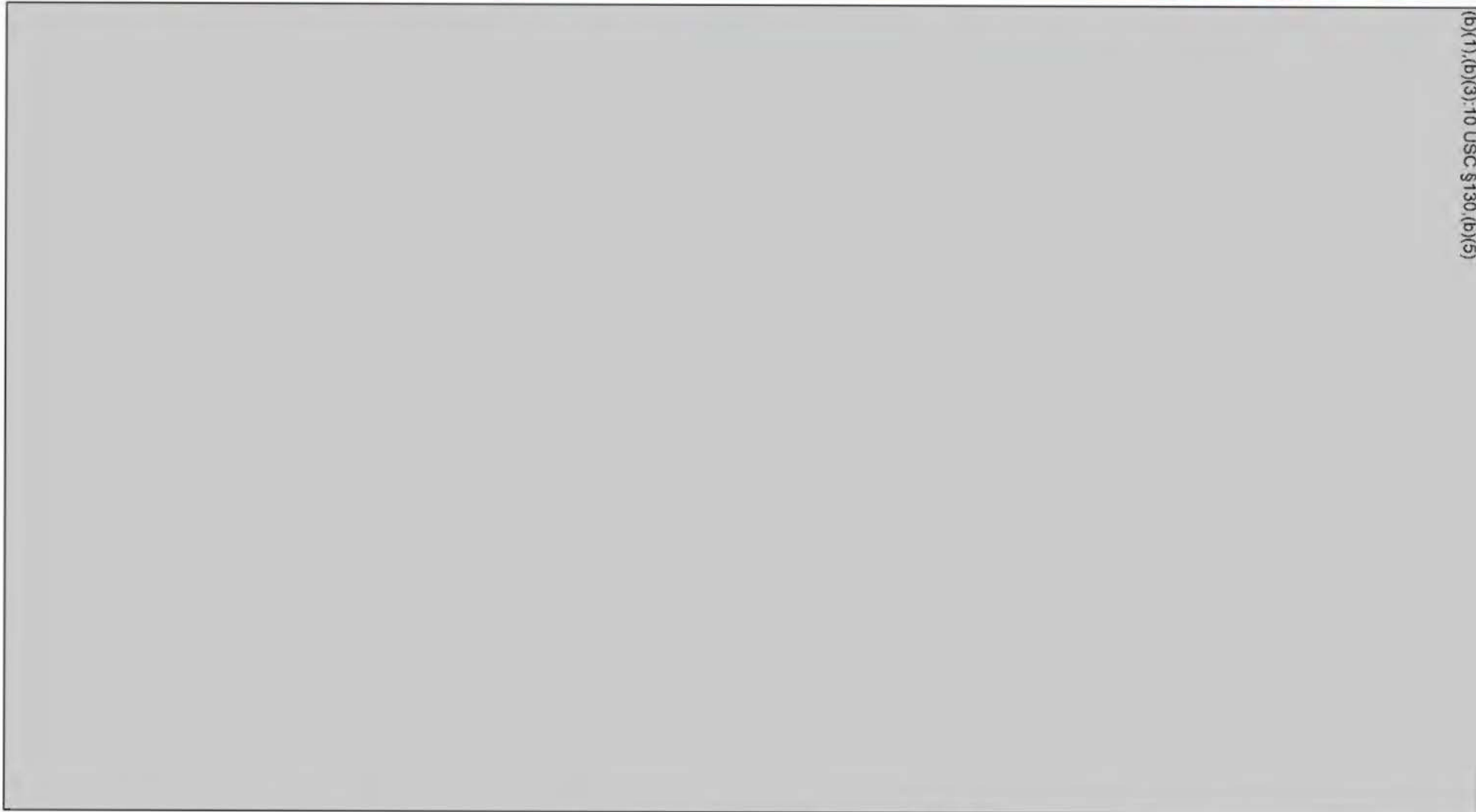


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# (U) Common Components (1 of 2)

(U) 2013 BMDS Accountability Report (BAR)

Technical Plan



(b)(1),(b)(3):10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013

Chester A. DeCesaris  
Program Director, Targets and Countermeasures

Approved Original Signed Date 10 Apr 2013

BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 12 Apr 2013

Keith L. Englander  
Director for Engineering

~~SECRET~~



~~SECRET~~

# (U) Common Components (2 of 2)

(U) 2013 BMDS Accountability Report (BAR)

Technical Plan



(b)(3)-10 USC §130,(b)(5)

Approved Original Signed Date 8 Apr 2013

Chester A. DeCesaris  
Program Director, Targets and Countermeasures

Approved Original Signed Date 10 Apr 2013

BG Ole Knudson  
Program Executive for Programs & Integration

Approved Original Signed Date 12 Apr 2013

Keith L. Englander  
Director for Engineering

~~SECRET~~

~~SECRET~~



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