

Quality Assurance and OPSEC Review

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This form is an approval record for ARL generated information to be presented or disseminated external to ARL. Note: Submit all manuscripts in electronic format or camera ready copy. See attached instructions. If more space is needed, use reverse of form (include block numbers).

Section I - To be completed by lead ARL author or COR

A. General Information:  Presentation  Publication  Report  Multimedia  BAA  SBIR  Invention Disclosure

1. Today's Date: 17 December, 2012  
 2. Due Date: 31 January, 2013  
 3. Unclassified Title or Solicitation Number/Title: BRL-1306 A MATHEMATICAL FORMULATION FOR ORDVAC  
 COMPUTATION OF THE SINGLE SHOT KILL PROBABILITIES OF

4. Author(s): (Last, First, MI): 4a. STIEGLER, ANTHONY D  
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 6. Telephone Number: 410-278-1382  
 7. Invited:  Yes  No  
 8. Contract No.: ARL COR:

9. Key Words: ORDVAC, probability kill, geometric approximation, computer history

10. Distribution Statement: Is manuscript subject to export control?  Yes  No

11. Check Appropriate Letter and Number(s). See instructions:  
 A B C D E F X 0 1 2 3 4 5 6 7 8 9 10 11  
                           
 12. Security Classification: Unclassified

B. Presentation  Conference Presentation  Notable Presentation  Key Note Speaker  Briefing

13. Conference / Meeting Name:  
 14. Conference / Meeting Location:

15. Conference / Meeting Date  
 16. Conference / Meeting is:  Classified  
 Open to General Public  Unclassified / Controlled Access  Other

17. For nonpublic meetings: Will foreign nationals be attending?  Yes  No  Don't know  
 18. Countries and International Agreement(s) of Foreign Nationals:

C. Publication  Abstract  Book  Book Chapter  Conference Proceeding  Refereed Journal Article  Other

19. Material will be submitted for publication in:  
 Journal Title: Country:

D. Report  TR  MR  TN  CR  SR

20. Project No.: 5B03-06-002  
 21. Period Covered (mm/yyyy): 11/1/60  
 22. Sponsoring Agency: Ballistic Research Laboratory

E. Multimedia  Software  Web  Poster  Video Clip  Other

23. Location: DTIC Public Website - AD0249957

F. Author's Statement

24. All authors have concurred in the technical content and the sequence of authors. All authors have made a substantial contribution to the manuscript, and all authors who have made a substantial contribution are identified in Block 4.

ARL Lead Author or COR X Clifford Yapp Date 17 December, 2012

Section II - Approval to be completed by designated individual

G. Technical Review

25. Technical Reviewer Name X Clifford Yapp Date 17 December, 2012  
 Technical Reviewer Signature

H. Technical Publications Editorial Review

26. Editor Name X \_\_\_\_\_ Date \_\_\_\_\_  
 Editor Signature

I. Supervisor Review

27. Supervisor Name X Stephanie Shead Date 18 Dec 2012  
 Supervisor Signature



Section III - To be completed by an ARL Trained Internal OPSEC Reviewer

OPSEC Review Checklist

OPSEC POC: Complete and explain any positive responses in block 28. Note: ARL must be the proponent of the proposed information for release.

1. Does this material contain Sensitive Information? 2. Does this information contain state-of-the-art, breakthrough technology? 3. Does the United States hold a significant lead time in this technology? 4. Does this information reveal aspects of reverse engineering? 5. Does this material reveal any security practices or procedures? 6. Would release of this information be of economic benefit to a foreign entity, adversary, or allow for the development of countermeasures to the system or technology? 7. Does this material contain: a. Any contract proposals, bids, and/or proprietary information? b. Any information on inventions/patent application for which patent secrecy orders have been issued? c. Any weapon systems/component test results? d. Any ARL-originated studies or after action reports containing advice and recommendations? e. Weakness and/or vulnerability information? f. Any information on countermeasures? g. Any fielding/test schedule information? h. Any Force Protection, Homeland Defense (security) information? i. Information on subjects of potential controversy among military services or other federal agencies? j. Information on military applications in space, nuclear chemical or biological efforts: high energy laser information; particle beam technology; etc? k. Contain information with foreign policy or foreign relations implications? l. Does this information contain current ARL Essential Elements of Friendly Information (EEFI)?

J. Internal OPSEC Review

28. OPSEC Review Comments / Explanations / Continuations:

[Empty box for OPSEC Review Comments]

29. Internal OPSEC Approval Statement:

I, the undersigned, am aware of the adversary's interest in DoD publications and in the subject matter of this material and that, to the best of my knowledge, the net benefit of this release outweighs the potential damage to the essential security of all ARL, AMC, Army, or other DoD programs of which I am aware.

STEPHEN POLYAK OPSEC Reviewer Name

x Stephen Polyak OPSEC Reviewer Signature

Date 2 JAN 13

Section IV - To be completed by designated individual.

K. Security

30. Foreign Disclosure Office (Limited distribution information for release to foreign nationals) FDO Reviewer Name FDO Reviewer Signature X Date N/A: X

31. Classified Information: Classified by/Derived from: Declassified on date: Security Manager X Date N/A: X

32. Foreign Intelligence Office (Limited distribution information) FIO Reviewer Name FIO Reviewer Signature X Date N/A: X

33. ARL OPSEC Officer Material has been reviewed for OPSEC Policy and X IS / IS NOT acceptable for public release. Comments:

ARL OPSEC Officer Name x Erich W. Meyerhoff ARL OPSEC Officer Signature Date 1/9/13

L. Division Chief

34. The information contained in this material has received appropriate technical / editorial review and X IS / IS NOT acceptable for public release. Denise A. Jordan for Bob Bowen x Denise A. Jordan Division Chief Signature Date 2/3/13

M. Public Affairs Office

35. The information contained in this material has received appropriate technical / editorial review and X IS / IS NOT approved for public release. Joyce M. Conant x Joyce M. Conant PAO Reviewer Signature Date 1/10/13