

In 18 June 2010 @ 1317

Out 21 June 2010 @ 0852

Quality Assurance and OPSEC Review

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A. General Information	1. Present Date	2. Unclassified Title
	06/09/2010	A Geometric Description Technique Suitable for Computer Analysis of Both the...

3. Author(s) Walter Guber, Roger Nagel, Robert Goldstein, Phillip S. Mittelman, Malvin H. Kalos Modern Reviewers: Michael Gillich, Edwin Davisson	4. Office Symbol(s) RDRL-SLB-S	5. Telephone Nr(s) 278-7820
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6. Contractor generated <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If yes, enter Contract No. and ARL COR DAAD05-67-C-0041 BRL Technical Supervisor: Richard C. Hoyt	7. Type: <input checked="" type="checkbox"/> Report <input type="checkbox"/> Abstract <input type="checkbox"/> Publication <input type="checkbox"/> Presentation (speech, briefing, video clip, poster, etc) <input type="checkbox"/> Book <input type="checkbox"/> Book Chapter <input type="checkbox"/> Web
8. Key Words geometry CSG description computer analysis MAGIC SAM-C	

9. Distribution Statement (required) Is manuscript subject to export control? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Circle appropriate letter and number. (see instructions for statement text) <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> X 1 2 3 4 5 6 7 8 9 10 11	10. Security Classification Unclassified
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B. Reports	11. Series CR	12. Type Final	13. No. of pages 287	14. Project No.	15. Period Covered	16. Sponsor
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C. Publications	17. Is MS an invited paper? <input type="checkbox"/> No <input type="checkbox"/> Yes	19. Material will be submitted for publication in <u>brlcad.org and other websites</u> Journal _____ Country _____
	18. Publication is a refereed journal? <input type="checkbox"/> No <input type="checkbox"/> Yes	

D. Presentations	20. Conference Name/Location	21. Sponsor
22. Conference Date	23. Due Date	24. Conference is <input type="checkbox"/> Open to general public <input type="checkbox"/> Unclassified/controlled access <input type="checkbox"/> Classified

25. For nonpublic meetings: Will foreign nationals be attending? <input type="checkbox"/> No <input type="checkbox"/> Yes (If yes, list countries and identify International Agreement(s)) <input type="checkbox"/> Don't know	26. Material will be <input type="checkbox"/> Oral presented only <input type="checkbox"/> Oral presented and published in _____ (If published, complete block 18 and 19, Section C.)
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E. Authors Statement: 27. 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 3.

Michael Gillich COR W911QX-06-F-0057 15 JUN 2010
ARL Lead Author or COR Date

F. Approvals	28. First line Supervisor of Senior ARL Author or COR <u>Stephanie Sread</u> <u>18 June 2010</u> Name Date	29. Reviewer(s) (Technical/Editorial/NA) <u>Erika Greenwood</u> <u>20100615</u> Name(s) Date
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30. Limited distribution information for release to foreign nationals _____ Foreign Disclosure Date	31. Classified Information Classified by _____ Declassified on _____ _____ Command Security Manager Date
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OPSEC POC: Complete and explain any positive responses in block 9.
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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 out weights the potential damage to the essential security of all ARL, AMC, Army, or other DOD programs of which I am aware.

Edwin O. Davisson *Edwin O. Davisson*

OPSEC Reviewer (Printed name/signature)

14 June 2010
Date

9. Space for explanations/continuations/OPSEC review comments

request for
 This is a ~~re~~ approval as Public Release of an historically important report on the first ancestor of the modern day BRL-CAD software package. Originally this report was export controlled, but after more than four decades and the public release of report UNC-5157(AD647470) it is now of historical interest only. The original authors are no longer available, so current ARL experts have reviewed the original report. Original corporate author: Mathematical Applications Group, Inc. 180 South Broadway, White Planes, NY Full Title: A Geometric Description Technique Suitable for Computer Analysis of Both the Nuclear and Conventional Vulnerability of Armored Military Vehicles.

Final Release Clearances

32. Public/Limited release information

a. Material has been reviewed for OPSEC policy.

Del Bramer

ARL OPSEC Officer

21 June 2010

Date

b. The information contained in this material is / is not approved for public release/ has received appropriate tech/editorial review.

Steph Krusinski

Division Chief

17 August 2010

Date

c. This information is accepted for public release.

Del Bramer

Public Affairs Office

21 June 2010

Date