

# Joint Munitions Effectiveness Manual

JTCG/ME, Joint Technical Coordinating Group for Munitions Effectiveness  
Manual  
Reusability in Computer-aided Joint Munitions Effectiveness Manual Development  
Index of Doctrinal, Training, and Organizational Publications  
Military Publications  
JTCG/ME, Joint Technical Coordinating Group for Munitions Effectiveness  
Generalized Weapon Effectiveness Modeling  
Joint Munitions Effectiveness Manual  
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Joint Munitions Effectiveness Manual  
Joint Munitions Effectiveness Manual  
Department of the Army  
Joint Munitions Effectiveness Manual  
Program  
Categorizing High Energy Laser Effects for the Joint Munitions Effectiveness Manual  
Guidance and Control of Precision Guided Weapons  
Proceedings of Seventh Annual National Conference on Ada Technology  
Precision Guided Munitions : Technology and Operational Aspects  
Ballistic Materials and Penetration Mechanics  
Joint Munitions Effectiveness Manual  
Joint Technical Coordinating Group for Munitions Effectiveness  
Pamela Sue Wiseloge  
United States. Department of the Army  
United States. Department of the Army  
Colin M. Anderson  
U.S. Army Materiel System Analysis Activity  
W. E. Baker  
United States. Air Force  
United States. Congress. Senate. Committee on Appropriations  
Oklahoma State University. Office of Engineering Research  
James A Markham  
North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Guidance and Control Panel. Symposium  
North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Guidance and Control Panel  
Roy C. Laible  
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Precision Guided Munitions :

Technology and Operational Aspects Ballistic Materials and Penetration Mechanics Joint Munitions Effectiveness Manual *Joint Technical Coordinating Group for Munitions Effectiveness Pamela Sue Wiseloge United States. Department of the Army United States. Department of the Army Colin M. Anderson U.S. Army Materiel System Analysis Activity W. E. Baker United States. Air Force United States. Congress. Senate. Committee on Appropriations Oklahoma State University. Office of Engineering Research James A Markham North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Guidance and Control Panel. Symposium North Atlantic Treaty Organization. Advisory Group for Aerospace Research and Development. Guidance and Control Panel Roy C. Laible*

in this thesis we compare weapon effectiveness methods to determine if current effectiveness models provide accurate results the united states military currently adheres to a compilation of data and methodologies named the joint munitions effectiveness manuals jmem to determine the effectiveness of air delivered weapons against a variety of ground targets since the time these manuals were implemented in the 1960s progress in technology has allowed the weapon target interaction to be more accurately modeled this thesis investigates the differences of these high fidelity models for unguided weapons and the jmem computations in order to determine whether the older more simplistic models need to be upgraded

with the high risk and cost in fielding high energy laser hel weapon systems the development process must include computer simulation models of weapon system performance from the engineering level up to predicting the military worth of employing specific systems in a combat scenario this research effort focuses on defining how to measure lethality for hel weapons in an advanced tactical laser atl scenario in order to create an effective measure for direct comparison between the emerging laser weapon system and existing conventionally delivered weapons lase time in seconds is presented as a measure comparable to rounds required to cause the desired effect at the target an examination of input parameters which influence the output power of the laser at the target and thus the required lase time is presented with particular attention being paid to atmospheric conditions and vulnerable bucket size this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work was reproduced from the original artifact and remains as true to the original work as possible therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a

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this volume contains six unclassified papers out of the 25 presented at the guidance and control symposium held in geilo norway from 3 to 6 may 1988 the remainder of the papers except papers nos 11 and 26 not available at time of printing are included in the classified supplement cp 435 s the papers were presented under the following headings operational requirements and considerations guidance sensors and components guidance and control techniques and signal processing effectiveness and system evaluation systems demonstration

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