

**TECHNICAL MANUAL
OPERATOR'S MANUAL**

**FOR:
HOWITZER, MEDIUM, SELF-PROPELLED, 155MM,
M109A6
(NSN 2350-01-305-0028) (EJC 3FC)**



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HEADQUARTERS, DEPARTMENT OF THE ARMY

30 MAY 2014

M109a6 Technical Manual

Albert A Gayle



M109a6 Technical Manual:

, *Monthly Catalog of United States Government Publications*, 2000 *Monthly Catalogue, United States Public Documents*, 1994-12 **Tactics, Techniques, and Procedures for M109A6 Howitzer (Paladin) Operations (FM 3-09.70)** Department Army, 2012-12-01 Field manual FM 3 09 70 6 70 is focused on Paladin unique battalion battery platoon and section operations It sets forth the doctrine pertaining to organization equipment command and control C2 operations and tactics techniques and procedures TTP for Paladin units It establishes the duties and responsibilities of key Paladin battery personnel for field operations FM 3 09 70 is written for the Paladin battery and platoon as well as for the battalion commander and staff It is designed to be used in conjunction with the appropriate FM 6 series FM 71 3 equipment technical manuals TMs Army training and evaluation program ARTEP mission training plans MTPs and soldiers manuals This FM supplements doctrine and TTP outlined in FM 6 50 TTP for the Field Artillery Cannon Battery and FM 6 20 1 TTP for the Field Artillery Battalion As applicable those TTPs for Paladin operations which do not differ significantly from those described in FM 6 50 or FM 6 20 1 are not repeated in this manual FM 3 09 70 ties the doctrinal approach with the training strategies outlined in the associated ARTEP 6 037 30 MTP Mission Training Plan for the Consolidated Cannon Battery M102 M119 M198 M109A5 M109A6 Refer to ARTEP 6 037 30 MTP for specific time standards regarding Paladin operations and fire missions *Annual Historical Review* Rock Island Arsenal (Ill.), 1992 **Handbook of Human Systems Integration** Harold R. Booher, 2003-07-07 A groundbreaking look at how technology with a human touch is revolutionizing government and industry Human Systems Integration HSI is very attractive as a new integrating discipline designed to help move business and engineering cultures toward a more people technology orientation Over the past decade the United States and foreign governments have developed a wide range of tools techniques and technologies aimed at integrating human factors into engineering systems in order to achieve important cost and performance benefits that otherwise would not have been accomplished In order for this new discipline to be effective however a cultural change is needed that must start with organizational leadership Handbook of Human Systems Integration outlines the principles and methods that can be used to help integrate people technology and organizations with a common objective toward designing developing and operating systems effectively and efficiently Handbook of Human Systems Integration is broad in scope covering both public and commercial processes as they interface with systems engineering processes Emphasizing the importance of management and organization concepts as well as the technical uniqueness of HSI Handbook of Human Systems Integration features More than ninety contributors technical advisors and reviewers from government industry and academia Comprehensive coverage of the most recent HSI developments particularly in presenting the cutting edge tools techniques and methodologies utilized by each of the HSI domains Chapters representing the governments and industries of the United Kingdom and Canada Contributions from three services of the Department of Defense along with the Federal Aviation Administration and the

National Academy of Sciences Many chapters covering both military and nonmilitary applications Concepts widely used by government contractors both in the United States and abroad This book will be of special interest to HSI practitioners systems engineers and managers as well as government and industry decision makers who must weigh the recommendations of all multidisciplines contributing to systems performance safety and costs in order to make sound systems acquisition decisions Ordnance ,1993 *Field Manual Fm 3-09.70 Tactics, Techniques, and Procedures for M109a6 Howitzer (Paladin) Operations August 2000* United States Government US Army,Us Army,2012-05-23 Field manual FM 3 09 70 6 70 is focused on Paladin unique battalion battery platoon and section operations It sets forth the doctrine pertaining to organization equipment command and control C2 operations and tactics techniques and procedures TTP for Paladin units It establishes the duties and responsibilities of key Paladin battery personnel for field operations FM 3 09 70 is written for the Paladin battery and platoon as well as for the battalion commander and staff It is designed to be used in conjunction with the appropriate FM 6 series FM 71 3 equipment technical manuals TMs Army training and evaluation program ARTEP mission training plans MTPs and soldiers manuals This FM supplements doctrine and TTP outlined in FM 6 50 TTP for the Field Artillery Cannon Battery and FM 6 20 1 TTP for the Field Artillery Battalion As applicable those TTPs for Paladin operations which do not differ significantly from those described in FM 6 50 or FM 6 20 1 are not repeated in this manual FM 3 09 70 ties the doctrinal approach with the training strategies outlined in the associated ARTEP 6 037 30 MTP Mission Training Plan for the Consolidated Cannon Battery M102 M119 M198 M109A5 M109A6 Refer to ARTEP 6 037 30 MTP for specific time standards regarding Paladin operations and fire missions

Crusader Battle Lab Warfighting Experiment (BLWE) 1: Assessing Tactics, Techniques, and Procedures (TTPs) for Crusader Units Within a Synthetic Environment ,1998 The U S Army Research Laboratory and the Depth and Simultaneous Attack Battle Lab have performed the first Battle Lab Warfighting Experiment that evaluated operational concepts for the Crusader system The experiment was conducted during June and July of 1996 in the Janus Battle Simulation Center at Ft Sill Oklahoma The research addressed critical operation issues focused on the employment of the Crusader system on the 21st century digitized battlefield Command and control and ammunition logistics and resupply systems used by a direct support field artillery battalion when employing the simulated Crusader system were evaluated to identify innovative tactics techniques and procedures that could be introduced in conjunction with the fielding of the Crusader system This research was conducted using a synthetic battlefield environment that placed field artillerymen into distributed interactive simulation technologies where they used actual tactical data processing equipment to perform fire support functions There were four major outcomes of this research 1 A preliminary set of tactics techniques and procedures that addressed command and control functions situation awareness fire order consistency and sustainment was identified This information will be evaluated further by the system developer and field artillery community and will be considered for additional testing during later experiments or closed loop studies 2 Major

findings were a The Crusader system as currently specified will deliver effective fires to defeat the projected threat and provide timely support to maneuver forces b The pooled resupply concept was successfully demonstrated and shown to be a robust technique in the face of losses of individual resupply vehicles Army Sustainment ,2016-11 The Department of the Army s official professional bulletin on sustainment publishing timely authoritative information on Army and Defense sustainment plans programs policies operations procedures and doctrine for the benefit of all sustainment personnel

Occupational Health ,1993 Conference Record, Autotestcon '95, August 8-10, 1995 Institute of Electrical and Electronics Engineers,1995 **Field Artillery** ,1991 **The COBRAS Synthetic Theater of War Exercise Trial** ,1999 This report details the design and development process for the Synthetic Theater of War STOW exercise produced in the COBRAS III project The exercise was to serve as the vehicle for three primary research areas training support package and resource requirements technology and infrastructure requirements and potential for training value The multiechelon training audience of the Brigade Combat Team included the brigade commander and staff the commander and staff of one battalion task force TF and the line company commanders first sergeants fire support team leaders and scout platoon of that TF The STOW environment linked constructive simulation the Brigade Battalion Battle Simulation BBS and Modular Semi Automated Forces ModSAF and virtual simulation Simulation Networking SIMNET and reconfigurable simulators The trial implementation in February March 1998 involved members of TF 1 101 3rd Brigade and 42nd Infantry Division of the New York National Guard along with supporting participants from the Force XXI Training Program contracted logistics support CLS staffs and the COBRAS Team Training support was found to be manageable but resource intensive Technology and infrastructure findings were mixed the systems promise exciting training opportunities but there were many suggestions for improvement from participants From the unit members point of view the exercise provided valuable training and there was strong support for continued STOW and reconfigurable simulator development and use Stinet **Research Report** U.S. Army Research Institute for the Behavioral and Social Sciences,1973 Fort Richardson, Resumption of Year-round Firing Opportunities ,2010 **Jane's Defence Contracts** ,1996 **Jane's Armour and Artillery** ,1997 *Jane's International Defense Review* ,2002 **Commerce Business Daily** ,2000-03

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