

## STEVE DOERFEL

### AREAS OF EXPERTISE

Concept Development  
Doctrine Development  
Operations Research  
Systems Analysis  
Threat Analysis  
Project Management  
Materiel Acquisition Process  
Training Devices  
Strategic Planning  
Decision Briefing

### CIVILIAN EDUCATION

B.S., Business Administration,  
1969, Linfield College, Oregon

### MILITARY EDUCATION

US Army Command and General Staff College,  
1977, Fort Leavenworth, Kansas

Armor Officer Advanced Course,  
1973, US Army Armor School

Field Artillery Officer Advanced Course,  
1969, US Army Field Artillery School

Nuclear Weapons Employment Officer Course,  
1969, US Army Field Artillery School

Field Artillery Officer Candidate School,  
1964, US Army Field Artillery School

### CORPORATE EXPERIENCE

Senior Systems Analyst, LB&M Associates, Inc., Lawton, Oklahoma:

Combined Arms Training Integrated Evaluation System (CATIES). As LB&M Program Manager, directed the conceptualization and initial research effort for this LB&M-developed fire support training device. The device compliments the realistic direct fire environment made possible by MILES type training simulators. CATIES

provides a realistic indirect fire, NBC and mine warfare training simulation capability. LB&M and its teammate, Motorola Government Electronics Group, received a sole source \$2M Proof of Principle contract award in 1986. A contract for fielding of the system at the National Training Center has been awarded. Two US patents have been granted. Seven international patents are pending.

Elevated Target Acquisition System Program Analysis, Magnavox. As LB&M Program Manager, directed research effort which provided a detailed Operational and Organizational Plan for the development and fielding of this Army target acquisition and intelligence system.

Remotely Piloted Vehicle (RPV) Program Analysis, Lockheed. As senior research analyst, participated in this \$180K research effort which provided a restructuring of the Army's Aquila RPV program. The effort was intended to meet Congressional guidance to reduce system procurement costs while maintaining viable operational effectiveness. Presented study findings to Lockheed senior management.

Remotely Piloted Vehicle (RPV) Program Analysis, Lockheed. As LB&M Program Manager, directed \$60K research effort to insure the RPV Operational and Organizational Plan was in accordance with government and Lockheed contractual requirements. Also insured the system would meet or exceed operational test requirements.

Advanced Field Artillery System (AFAS)/Division Support Weapon System, FMC. As LB&M Program Manager, directed a series of studies totaling \$360K in support of the Research and Development of the AFAS system. Tasks included development of Operational and Organizational Concepts and Plans, system strategic planning, preparation of decision briefings, preparation of bids and proposals, and direct consulting with systems engineers on operational and tactical requirements.

Sense and Destroy Armor (SADARM) and Smart Target Activated Fire and Forget (STAFF) Munitions, Aerojet. As Senior Systems Analyst, participated in a series of analyses totaling \$200K in support of the Research and Development of these munition technologies. Using a number of different Operations and Systems Analysis techniques and through the application of conceptual and doctrinal requirements, provided supporting analysis and operational rationale for the continued R&D of these munitions.

## MILITARY EXPERIENCE

Chief of Concepts, Directorate of Combat Developments, Fort Sill, Oklahoma. Developed concepts and Operational and Organizational Plans for all US Army Fire Support Systems Programs. Developed Target Value Analysis and Allocation and Distribution of Fires Study, The Field Artillery Transition Plan, Field Artillery Systems Program Review, Nuclear Systems Program Review, US German Staff Talks, Fire Support Mission Area Analysis and the Howitzer Transition Plan.

Staff Officer Headquarters Training and Doctrine Command. Contributed to the development and doctrine of the US Army as described in the Army's AirLand Battle Historical Monograph Series "From Active Defense to AirLand Battle: The Development of Army Doctrine 1973 - 1982", published by United States Army Training and Doctrine Command, Fort Monroe, VA, June 1984.

Division Artillery 8" Howitzer Battalion Executive Officer and Operations Officer. Responsible for readiness, operations, and training of a nuclear capable Field Artillery Battalion.

Corps Staff Officer, Europe. Participated in operations and training plans for all Corps elements.

Field Artillery Advanced Tactics Instructor, Fort Sill, Oklahoma. Prepared and presented Advanced Tactics instruction to US and Allied Field Artillery Officers.

Battery Commander of 5 Field Artillery Cannon Batteries, including a combat command in Vietnam.

## PUBLICATIONS

"Meeting the Strategic Challenge," International Defense Review, No. 3, 1984.

"The Operational Art of the AirLand Battle," Military Review, May 1982.

"Operational Concept for the Extended Battlefield," HQ TRADOC Concept Paper 1981.

"Operational Concept for the Integrated Battlefield," presented at the US Army Nuclear Systems Program Review, Fort Sill, Oklahoma 1980.

"Operational Concept for the Engagement of the Second Echelons," HQ TRADOC Concept Paper 1978.