

SURVIVABILITY SYSTEM ENGINEERING AND TECHNICAL SUPPORT (SETA)

DESCRIPTION

Technical Program Support

OptiMetrics is a recognized leader in providing survivability program and product management support to PM-Brigade Combat Team, PM-Future Combat Systems, the Survivability Technical Area, TARDEC, and ARL. Our expertise across all avoidance areas in system level design and integration is used by the DoD to provide innovative and focused engineering and operations research capacity to support many diverse projects including:

- Component/subsystem Level Technical and Operational Test Development
- Survivability Assessments/Analysis
- Strategic/Program Planning
- Integrated Test and Evaluation
- Simulation-Based Acquisition

CAPABILITIES

Analysis – OptiMetrics frequently is tasked either to provide analysis designed to resolve technical issues or to support the technical merits of survivability program decisions. Research in advanced computer aided decision processes is also supported. Technologies such as genetic algorithms and quality functional deployment are used to support independent assessments and experiments regarding survivability technology development, test, and evaluation.

Test Management – Our staff is continually involved in the development of technical test plans for electro-optical and RF devices and countermeasure/ decision aids components related to ground combat vehicle survivability. Work with the SDD Phase of the LWRS Execution included integration with host vehicle test and development schedules to bring about the user required operational performance and was one of the critical support areas addressed. Acquisition support to the Bradley M2/3A3 IFV in terms of streamlining LFT&E events and providing real time analysis and identification of test trends was also currently supported. Technology development support for the Integrated Army Active Protection System currently includes test planning, coordination, execution, and report review.

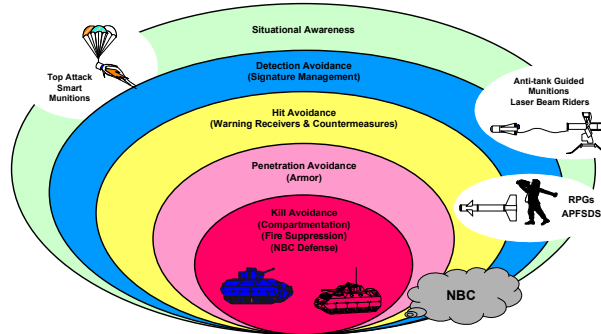
Simulation – OptiMetrics is frequently tasked to identify and derive program enhancements leading to greater program efficiencies through the maximum feasible use of survivability modeling and simulation technology. Our experience with HLA constructs and applications, conduct of man-in-the-loop (MITL) SMI evaluations, few-on-few, many-on-many, and engineering level simulations, and the analysis of constructive simulation results is value added to our customers.

Strategic/Program Planning – The extensive experience of our staff at high levels of government and industry provide the resource for assisting DoD agencies in the development of strategic organization plans and assistance in the execution of these plans with sound technology program plans which meet specific warfighter requirements.

PRODUCTS

Briefings and formal documentation of analyses, test, experiments, and research are available to the government and approved DoD contractors.

OptiMetrics' Comprehensive Support Approach



- OptiMetrics' Size and Organization Encourages Cross-Fertilization and Mutual Support Across Core Capability Areas
- SETA Efforts Draw on this Synergy to Provide Comprehensive Customer Support
- Survivability is not a sideline but a business focus for OptiMetrics

