ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
DASG60-02-D-0014	002435	2002 Apr 24	KN2C106500-01	DX-A2

6. ISSUED BY CODE W9113M
US ARMY SPACE & MISSILE DEFENSE COMMAND
[redacted]
P.O. BOX 1500
HUNTSVILLE AL 35807-3801

7. ADMINISTERED BY CODE S0107A
DCMA HUNTSVILLE
BUILDING 4505, SUITE 301
MARTIN ROAD
REDSTONE ARSENAL AL 35898-0001

8. DELIVERY FOB
[X] DEST
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1VDA4 FACILITY
DYNETICS, CAS & DAVIDSON, LLC
1000 EXPLORER BLVD
HUNTSVILLE AL 35806

10. DELIVER TO FOB POINT BY (Date)
SEE SCHEDULE

11. MARK IF BUSINESS IS
[X] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE
SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS-COLUMBUS CENTER
DFAS-CO/SOUTH ENTITLEMENT OPERATION
P.O. BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER

DELIVERY/ CALL	X	This delivery order/call is issued on another Govt. agency or in accordance with and subject to terms and conditions of above numbered contract.
PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR | SIGNATURE | TYPED NAME AND TITLE | DATE SIGNED (YYYYMMMDD)

[ ] If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE				

** If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.*

24. UNITED STATES OF AMERICA
[redacted]
[redacted]
CONTRACTING / ORDERING OFFICER

25. TOTAL $2,315,362.00
29. DIFFERENCES

26. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED
DATE | SIGNATURE OF AUTHORIZED GOVT. REP.

27. SHIP NO.
[ ] PARTIAL
[ ] FINAL

28. DO VOUCHER NO.

30. INITIALS

31. PAYMENT
[ ] COMPLETE
[ ] PARTIAL
[ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.
DATE | SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

Section C - Descriptions and Specifications

A STATEMENT OF WORK
STATEMENT OF WORK "SMDBL FUTURE OPERATIONAL CAPABILITY (FOC)"

1. INTRODUCTION

1.1 Background

SMDC Battle Lab (SMDBL) serves as the lead executing agent for development of the Future Operational Capability (FOC) in response to an SMDC-DCSOPS issued tasker stipulating that the SMDBL was to "stand up" Future Operational Capability (FOC).

The multi-faceted FOC program provides the Army, Air Force, Navy and Marines, DOD; Joint entities affiliated with the aforementioned groups with an advanced capability for analysis and integration of defense issues. These defense issues include investigation of existing and future battlefield and battle space systems and technologies, impact of changes to force structures, analysis of training, tactics, techniques, procedures (TTP's), and hardware integration and software development. SMDBL generally conducts these analyses at U.S. Only and Joint exercises, experiments, and symposia but is not limited solely to these events.

1.2 Program Description

The SMDBL Director requires contractor support in the conduct of research into the nature and architecture of existing systems, prototypical systems and simulations that can be used to interactively define, develop, evaluate and validate operational and tactical needs, concepts and designs in an extensive combined arms, operational, tactical, strategic and distributed simulation environment. Using the FOC program will acquire the "early system knowledge" essential to understand potential threats, the concepts of operations to meet the threats, the technologies, design and performance to meet the requirements, the manufacturing process to produce the design, the logistics and manpower to support the operational concept, and the architectures to interface inter/intra service and multi-national systems. .

As DOD thrusts towards assessing the operational effectiveness of new technologies, it has increased impetus on the utilization of advanced simulation technologies as well as innovative analysis and integration techniques. This FOC program will develop a distributed-network emulation of warfighting processes to accomplish the following: provide future decision makers and operators the means for realistically evaluating the effectiveness of new and existing sensor systems, C4I systems, weapons systems, intelligence and sensor information fusion processes, target execution elements and command/control processes, all within a simulated and operational environment. The existing DOD distributed simulation protocol set, sensor-modeling techniques, Tactical Defense and C4I Systems will be enhanced to provide the warfighter with an analysis tool to discern and train the difference between actual sensors and simulated sensors and their behavioral fidelity reacting to the actual physical environment. Use of distributed simulation and Tactical Defense and C4I Systems to evaluate potential concepts for the program will require an extremely sophisticated behavioral representation of the data collection (sensing) architecture of the Blue Force, as well as cogent modeling of the Red Force countermeasures. The Contractor shall provide future decision makers and operators the means for realistically evaluating the effectiveness of new and existing sensor systems, C4I systems, weapons systems, intelligence and sensor information fusion processes, target execution elements and command/control processes, all within a simulated and operational environment.

2. Modeling and Simulation Assessment and Support

The contractor shall provide assessment of modeling and simulation technologies for integration and use by the DoD in support of joint and individual service studies and programs.

2.1 Architecture Development, Testing, and Standards Concepts

The contractor shall develop plans, designs, software, and technology concepts for the development, testing, and standards compliance of simulation and operational architectures, including run-time infrastructures and confederations of existing systems. Sub-tasks may include exercise or experiment planning, participation, and integration with similar and complimentary architectures as well as conversion of legacy systems to standards compliance systems. This contractor shall conduct analysis at U.S. Only and Joint exercises, experiments, and symposiums but are not limited solely to these events.

2.2 Information Systems and Technology Support

The contractor shall develop architectures and domain specific integration frameworks for battlefield awareness, including the relationships between intelligence processes, command and control, and logistics. The contractor will develop specifications for functional components required to support synthesis of information services and capabilities that result from Information Technology and systems research of appropriate governmental programs and agencies. Software technology will be developed by the contractor to assist in the automation of time-critical planning and execution of military operations, to demonstrate advanced distributed agent architectures, which have the potential to revolutionize planning, execution, monitoring, and re-planning of force deployment, logistics, and operational support. Information assurance and survivability systems will be developed to reduce vulnerabilities and aid in the defense of mission critical information systems. Defensive measures will also be investigated and developed which would assist in the design of intrusion resilient and intrusion tolerant systems. The contractor will also create science-based metrics, methodologies, and tools for the implementation of assurance in information system design and assessment modeling. Mathematically accurate techniques for modeling and analyzing software agent behaviors, agent design methods, the agent creation tools will be developed, tested and implemented.

2.3 Exercise & Experiment Support

The contractor shall support new and on-going SMDBL research and experimentation with integration, test, and operation services required to assess viability of FOC concepts, utility of FOC data links, usability of FOC/AWarE user interfaces and screens, and other types of integration and experimentation activity as directed by the task monitor. Contractor support shall include participation in initial and other interval planning conferences; participation in experiments, exercises, conferences, technical demonstrations, and related technology events; physical, logical, and software integration and test; on-site and off-site operator training in FOC tools, capabilities, and features; technical interchange meetings with other government agencies and other contractors/contract efforts. As directed by the task order monitor, the contractor shall organize and host technical interchange meetings.

B PERIOD OF PERFORMANCE

PERIOD OF PERFORMANCE: 24 Apr 2002 – 23 Apr 2007

[redacted]