

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0014	2. DELIVERY ORDER/ CALL NO. 005807	3. DATE OF ORDER/CALL 2002 Oct 23	4. REQ./ PURCH. REQUEST NO. PK2C380700-01	5. PRIORITY DX-A2	
6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND P.O. BOX 1500 HUNTSVILLE AL 35807-3801		7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001			

9. CONTRACTOR DYNETICS, CAS & DAVIDSON, LLC P.O. BOX 5523 HUNTSVILLE AL 35814-5523	10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE	11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15		

14. SHIP TO SEE SCHEDULE	15. PAYMENT WILL BE MADE BY 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.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	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 (YYYYMMDD) _____
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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	25. TOTAL	\$675,000.00
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26. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED	27. SHIP NO.	28. DO VOUCHER NO.	29. DIFFERENCES	30. INITIALS
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR	34. CHECK NUMBER
36. I certify this account is correct and proper for payment. DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	SETAC - FP Labor COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW), as defined in a given task order (T/O), at the fixed prices/government labor category specified in Section B paragraph entitled, "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"				
	PURCHASE REQUEST NUMBER: PK2C380700-01				
				MAX COST	\$643,994.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW) at the cost reimbursable amounts as approved on a task-order-by-task-order basis. Total Fee, including prime and subcontractor/consultant, shall not exceed 3% of the estimated costs. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.				
	PURCHASE REQUEST NUMBER: PK2C380700-01				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004		1	Lot	UNDEFINED	UNDEFINED

Materials and STE

COST

Provide materials, special test equipment (STE), and associated services outlined in the individual task orders at the cost reimbursable amounts as approved by the T/OM and the Contracting Officer. NO FEE ON THIS CLIN. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.

PURCHASE REQUEST NUMBER: PK2C380700-01

MAX COST

\$6,500.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005		1	Lot	UNDEFINED	UNDEFINED

Travel

COST

Travel as directed in the individual task orders. Travel must be completed within the cost reimbursable amounts allowed per the Joint Travel Regulations and the DCAA-approved Company-Implemented Policy and Procedures. NO FEE ON THIS CLIN. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor.

PURCHASE REQUEST NUMBER: PK2C380700-01

MAX COST

\$24,506.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$ 675,000

TASK ORDER FUNDS AVAILABLE \$ 675,000

UNFUNDED BALANCE \$ 0

BLOCK 18 (DD1155) CONTINUED: In the performance of this Task Order (T/O), the contractor shall provide the total Direct Productive Person Hours (DPPHs), plus or minus 10 percent, as stated for fixed-price labor categories stated in Section B of the contract listed in Block 1 of the DD Form 1155. These DPPHs shall be billed at the fixed price stated in Exhibit V of the contract. The contractor shall not exceed the DPPHs, nor the total

dollars, stated for consultant below. The contractor is allowed to provide up to 10 percent less than the DPPHs stated for consultant and still expend the total dollars as stated in the T/O. Furthermore, under no circumstance shall the contractor exceed the dollars stated for Materials, Travel, or Total T/O.

LABOR CATEGORIES: Labor categories are as listed in the contract, Section B, paragraph entitled "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"

	DPPHs ORDERED	NTE AMOUNT
FIXED-PRICE LABOR TOTAL	 DPPHs	\$ 643,994
*CONSULTANT TOTAL	 DPPHs	\$ 0
T/O TOTAL LABOR	 DPPHs	\$ 643,994
MATERIAL	NTE	\$ 6,500
TRAVEL	NTE	\$ 24,506
T/O TOTAL		\$ 675,000

**Consultant requirements must have prior written approval of the Administrative Contracting Officer (ACO) (via subcontract consent package) before any costs are incurred under the consultant CLIN.

Section C - Descriptions and Specifications

B POP

23 Oct 02 – 23 April 07

G SPEC INST

SPECIAL INSTRUCTIONS:

Cost data shall be segregated/reported/vouchered/paid at the ACRN level.

The “Limitation of Funds” is applicable at the ACRN level.

The effort described in the Task Order Statement of Work, which is anticipated to be performed in FY03-FY07 is subject to the Clause at FAR 52.232-18, Availability of Funds.

All of the terms and conditions of the contract listed in Block 1 above are applicable to this T/O.

All of the provisions and clauses of the contract listed in Block 1 above are applicable to this T/O.

No Government Furnished Property or Test Facilities are available for use in performance of this Task Order.

It is incumbent upon the contractor and/or subcontractor to ensure that appropriate Technical Assistance Agreements (TAAs) and/or applicable export licenses are in place before conducting any activity under the SOW which requires such approval and documentation.

A SOW

“Kinetic Impact Debris Distribution (KIDD) Model Independent Verification & Validation (IV&V) Agent”

STATEMENT OF WORK

(Replaced in its entirety – Modification 02 – T/ORP #0011)

- 1.0 Background: Hit-To-Kill (HTK) Kinetic Energy Weapons (KEWs) utilize interceptors or kill vehicles (KVs) which intercept ballistic missile targets at high closing velocities. The high-energy collisions result in large numbers of debris fragments from both the target and KV. The KIDD Kernel is a set of routines which model the initial conditions of the debris fragments from a single intercept. The purpose of this effort is to independently verify that the code functions as described by the developer and to validate that the code produces outputs which are representative of the real world.
- 2.0 Interfacing: The contractor shall interface with the KIDD developer on an as required basis to determine the conceptual model description, specifications, requirements (both past, current and future), software engineering techniques, data set utilization (understanding), clarifications, and feedback.
- 3.0 Verification: The contractor shall perform the following.
 - 3.1 Create a matrix of pass/fail criteria which the verification can be assessed and provide the matrix to the U.S. Army Space and Missile Defense Command (USASMDC) Task Order Monitor (T/OM) for approval.
 - 3.2 Determine if the KIDD Model accurately represents the conceptual description, specifications, users manual, technical manual, Basis of Confidence (BOC) document, using the matrix.
 - 3.3 Provide feedback to USASMDC and the developer for actions and corrections to be taken.

- 3.4 As directed by the T/OM, provide input to or create documents such as the BOC document, the Conceptual Model, the Configuration Management Plan, IV&V Plan, and Test Plans.
- 3.5 Create, modify, and brief materials for meetings, conferences, and reviews that involve KIDD Independent Verification.
- 4.0 Validation: The contractor shall perform the following.
- 4.1 Determine the manner and degree to which the KIDD model is an accurate representation of the real world from the perspective of the intended uses of the model. Validation methods include comparison with test data, expert consensus, comparison with historical results, peer review, and independent review.
- 4.2 Determine the confidence that should be placed on the KIDD validation assessment.
- 4.3 Create a matrix of pass/fail criteria which the KIDD validation can be assessed.
- 4.4 Provide feedback to USASMDC and the developer for actions and corrections to be taken.
- 4.5 As directed by the T/OM, provide input to or create documents such as the BOC document, the Conceptual Model, the Configuration Management Plan, IV&V Plan, and Test Plans.
- 4.6 Create, modify, and brief materials for meetings, conferences, reviews, etc. that involve KIDD Independent Validation.
- 5.0 Data Protection: The data that is required for validation determination is to be protected and safeguarded against disclosure to any entity other than the Technical POCs responsible for the Validation assessments. The data must be stored in containers that meet the appropriate classification requirements and only those Technical POCs shall have access to those containers. The Hard Drives (HD), which the data is loaded onto, shall be stored in the same manner as the media that the data resides as described above. Once the data on the HDs is no longer required, the data must be destroyed in whatever means as necessary to ensure the accidental release of the data does not occur. When the data that resides on media is no longer required for validation assessment, it must be returned to the source that provided it.

F MTRL

ESTIMATED COST FOR MATERIALS AND/OR SPECIAL TEST EQUIPMENT: The contractor has no authority to incur material costs without the explicit prior written approval of the contracting officer. Prior to forwarding requests to the contracting officer, the contractor shall obtain the Task Order Monitor's concurrence. Electronic Mail (email) shall be utilized for both steps in this process. Under no circumstance shall the contractor incur materials costs in excess of the NTE amount stated herein. NTE: \$6,500

E TVL

ESTIMATED TRAVEL: The contractor has no authority to incur travel costs without explicit prior written approval (email acceptable) of the Task Order Monitor. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$24,506

D DELIVERABLES

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Progress Report	A004	1	Monthly

Weekly Report	A004	1	Weekly
Interim Technical Report	A004	1	As Required by the T/OM
Final Technical Report	A005	1 *	23 April 07
Data Accession List	A007	1	Per CDRL

* Plus Electronic Version.

H DIST

TASK ORDER MONITOR: [REDACTED]

MAILING ADDRESS: [REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]

MAILING ADDRESS OF PROGRAM MANAGEMENT POC: [REDACTED]

C KEY PERS
KEY PERSONNEL: [REDACTED]

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97 2 0400.2501 36-6011 P40603880C00 255Y PK2C380700 S01021 PK2C380700/2HHN50/H
COST 000000000000

CODE:

AMOUNT: \$85,000.00

AB: 97 3 0400.2501 36-6011 P40603880C00 255Y PK3C520100 S01021 PK3C520100/3HHN77/H

AMOUNT: \$200,000.00

AC: 97 3 0400.2501 36-6011 P40603880C00 255Y PK3C360900 S01021 PK3C360900/3HHN66/H

AMOUNT: \$97,000.00

AD: 97 4 0400.2501 36-6011 P40603890C00 255Y PK4C510200 S01021 PK4C510200/4HHM33/H

AMOUNT: \$105,000.00

AE: 975 0400 2501 36 2216 40603890C00 2514 W31RPD5327JWB1 5HHM89 S01021

AMOUNT: \$188,000.00