

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0011	2. DELIVERY ORDER/ CALL NO. 000336	3. DATE OF ORDER/CALL 2002 Apr 23	4. REQ./ PURCH. REQUEST NO. FK2A502100-01	5. PRIORITY DX-A2
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801	CODE W9113M	7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001	CODE S0107A	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER (See Schedule if other)
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9. CONTRACTOR TELEDYNE SOLUTIONS, INC 5000 BRADFORD DRIVE HUNTSVILLE AL 35805	CODE 1P9G8	FACILITY	10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	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)
<input type="checkbox"/>	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	\$49,666,926.00
		29. DIFFERENCES	

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 DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____	27. SHIP NO. <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	28. DO VOUCHER NO.	30. INITIALS
		32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR

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	34. CHECK NUMBER	35. BILL OF LADING NO.
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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: FK2A502100-01				
				MAX COST	\$44,035,244.00

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: FK2A502100-01				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004	Materials and STE COST	1	Lot	UNDEFINED	UNDEFINED
	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: FK2A502100-01				
				MAX COST	\$1,417,960.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005	Travel COST	1	Lot	UNDEFINED	UNDEFINED
	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: FK2A502100-01				
				MAX COST	\$4,213,722.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

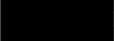
BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED	\$ 49,666,926
TASK ORDER FUNDS AVAILABLE	\$ 45,730,152
UNFUNDED BALANCE	\$ 3,936,774

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	\$ 44,035,244
*CONSULTANT TOTAL	 DPPHs	\$ -0-
T/O TOTAL LABOR	 DPPHs	\$ 44,035,244
MATERIAL	NTE	\$ 1,417,960
TRAVEL	NTE	\$ 4,213,722
T/O TOTAL		\$ 49,666,926

**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

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 FY02 through FY07 is subject to the Clause at FAR 52.232-18, Availability of Funds.

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.

Performance of this T/O will also require access to Special Access Program (SAP) Information. Revision 1 to the DD Form 254, 22 Apr 02, is provided herein and is applicable to this T/O only. The attached DD Form 254 applies to Statement of Work (SOW) paragraphs 7.3 and 7.4 only.

H DIST

TECHNICAL TASK ORDER MONITORS:

Overall Task Order Monitor: [REDACTED]

SUBTASK 1: [REDACTED]

SUBTASK 2: [REDACTED]

SUBTASK 2.3: [REDACTED]

SUBTASK 3: [REDACTED]

SUBTASK 4 (overall): [REDACTED]

SUBTASK 4.3: [REDACTED]

SUBTASK 5 (overall): [REDACTED]

SUBTASK 5.2: [REDACTED]

SUBTASK 5.3.1 and 5.3.2: [REDACTED]
[REDACTED]

SUBTASK 5.3.3: [REDACTED]

SUBTASK 6: [REDACTED]

SUBTASK 7.1: [REDACTED]
[REDACTED]

SUBTASK 7.2: [REDACTED]

SUBTASK 7.3: [REDACTED]
[REDACTED]

SUBTASK 7.5: [REDACTED]

SUBTASK 7.6: [REDACTED]

SUBTASK 7.7: [REDACTED]

SUBTASK 10.0: [REDACTED]

SUBTASK 11.0: [REDACTED]
[REDACTED]

SUBTASK 12.0: [REDACTED]

SUBTASK 13.0: [REDACTED]

SUBTASK 14.0: [REDACTED]

SUBTASK 15.0: [REDACTED]
[REDACTED]

SUBTASK 16.0: [REDACTED]

SUBTASK 17.0: [REDACTED]

MAILING ADDRESS: [REDACTED]
[REDACTED]

INTELLIGENCE AND SECURITY DIVISION DISTRIBUTION:

[REDACTED]

[REDACTED]

[REDACTED]

B POP

PERIOD OF PERFORMANCE: 24 Apr 02 – 23 Apr 07

D DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Interim Technical Report	A004	1	As Required
Final Technical Report	A005	1 *	23 Apr 07
Data Accession List	A007	1	Per CDRL

* Plus Electronic Version.

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. The contractor is not authorized to travel outside the United States without the explicit written approval (email acceptable) of the Contracting Officer. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein.

NTE: \$ 4,213,722

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 (T/OM's) concurrence. Electronic Mail (email) shall be utilized for both steps in this process. The T/OM is authorized to approve costs for consumable materials, including reproduction and postage costs, NTE \$500 per event. Also, the T/OM is authorized to approve costs for exhibits, including rental of booth space, shipping of exhibit panels, etc., NTE \$5,000 per exhibit. Under no circumstance shall the contractor incur materials costs in excess of the NTE amount stated herein. NTE: \$1,417,960

C KEY PERSKEY PERSONNEL: 

A SOW

“MISSILE DEFENSE TARGETS OFFICE” STATEMENT OF WORK (SOW replaced in its entirety via modification 0003-28)

10.0 SUBTASK 10 - Mission Management (TCM)

10.1 - PM/DPM Support – The contractor shall support the Missile Defense Targets Office (MDT Office) Project Manager and Deputy Project Manager as required. The contractor shall develop and prepare test/target status briefings as required.

10.2 – Planning, Integration, and Special Studies – The contractor shall provide planning, integration, and special studies support to include but not limited to:

10.2.1 - Strategic Planning, process mapping, and vision implementation.

10.2.2 - Programmatic and technical analyses, program integration, risk assessment and documentation, and technical documentation support.

10.2.3 - Schedule Development – The contractor will build and maintain an electronic master TCM schedule containing all reviews and key events associated with TCM activities, to include legacy design reviews, Mission Management Reviews (Kickoff meetings, Pre-ship Reviews, Executive Readiness Reviews, etc.), and Range Safety meetings. When the prime contractor builds a fully integrated schedule then the SETA will provide inputs to that schedule.

10.3 – Special Studies/Independent Review Teams (IRTs) – Acting alone or in coordination (teamed) with other support agencies, development contractors, and/or government personnel, the contractor shall participate in special studies/IRTs. These special studies/IRTs will include (but not be limited to):

10.3.1 - Review and analysis of pre/post flight test hardware and software.

10.3.2 - Review and analysis test conduct and results.

10.3.3 - Reports and/or briefing on any pertinent findings.

10.4 - Target Technical Innovations Broad Agency Announcement (BAA) – The contractor shall support the administration of the BAA in the areas of Program Planning, Technical Assistance, Contract Preparation, and Administration Support.

10.5 - Special Access Programs – The Contractor shall provide personnel to perform programmatic, planning, analysis, technical assistance, and logistical support as required for other programs requiring special access clearance requirements.

11.0 SUBTASK 11 - Mission Management/Target Integration and Launch (TCML)

11.1 - Program Management Support – The contractor shall review target requirement plans, target budget requirements; acquisition strategies to meet evolving requirements; and provide comments on target program baselines and critical issues such as cost, technical, and schedule risk. The contractor shall provide input to the TCM Master Schedule.

11.2.1 - The contractor will be knowledgeable and provide oversight as directed to the development of the target product line development, test, and inventory. This support shall include the following areas: target development; acquisition planning; test plans and assessment; target system simulation and technical assistance; target/boosters selection and component analysis of candidate target systems to include instrumentation, safety, communications, environmental, and facility requirements; target design analysis and assessment; and software verification and validation results.

11.2.2 - Test Management, Execution, and Operations – Provide onsite technical support during in-plant development and checkout, and during mission execution at the test range.

11.2.3 - Target system and range interface controls.

11.2.4 - Test and range requirements identification and tracking.

11.2.5 - National Range Documentation – Provide Universal Documentation System (UDS) development, review, coordination, and final delivery of documents to support target missions.

11.2.6 - Attend meetings and provide technical input for all target coordination meetings, reviews, and special study groups.

11.2.7 - Post-flight analysis, Quick-Look Data and post mission reporting – Provide reports (4 hour and 24/48 hour) after target launch missions to assess flight performance and anomalies.

11.2.8 - Target Environmental Planning - The contractor shall review and assess environmental planning and documentation.

11.2.9 - Mobile Launch Program (MLP) - The contractor shall provide technical assistance in development of the MLP for use in targets test programs. The contractor shall develop special test equipment to measure the body attitude of the MLP and the Tug that will be towing the MLP. This instrumentation will take measurements that must be stored for later use and used real-time to relay to an on-board missile for initialization.

11.3 - Liaison with Ballistic Missile Defense Systems (BMDS) Prime Contractors.

11.4 – Specific development program support includes:

11.4.1 – MLP Mission (Task Order 26)

11.4.2 – MRT Risk Reduction Flight Mission (Task Order 28)

11.4.3 – SRALT Risk Reduction Flight Mission (Task Order 17)

11.4.4 – LRALT Risk Reduction Flight Mission

11.5 – Specific customer program support includes:

11.5.1 – GMD Missions

11.5.2 – Aegis BMD Missions

11.5.3 – Test and Evaluation Missions (CMCM)

11.5.4 – Critical Measurements Program (CMP)

11.5.5 – ABL Missions

11.5.6 – Lower Tier Missions

11.5.7 – THAAD Missions

11.5.8 – Arrow Missions

11.5.9 – KI Missions

11.6 - Special Studies and Analysis The contractor shall support the TCML with special studies and analysis as requested.

11.6.1 MENACE Special Study – The contractor will conduct a feasibility study to determine if jet engines that are no longer man-rated for flight can be reused to power a delivery system for ballistic missile targets. Deliverables will include:

a. Briefing packages from the PDR and CDR that will be delivered and will serve as an interim update on the development of the outer mold line design.

b. Wind Tunnel Test Report will be delivered in hardcopy and electronic form. The wind tunnel will serve to provide validated aero data required for high fidelity 6 DoF trajectory modeling.

c. The 6 DoF trajectory model will be delivered electronically. The objective of the 6 DoF trajectory model is to demonstrate the MENACE's trajectory capability.

d. The Plume Signature Report will be delivered electronically and in hardcopy form. The purpose of the plume signature analysis is to determine if the jet engine's plume is similar to liquid threat plumes. This information will help assess the feasibility of using the MENACE for boost phase interceptor programs.

e. The Final Feasibility Report will be delivered upon completion of all analysis and testing. The report will be delivered in electronic and hardcopy form and will also serve as the basis for the final briefing to the TIWG.

12.0 SUBTASK 12 - Mission Management/Target User Interface (TCMU)

12.1 - The contractor shall assist in development and maintenance of all MDA elements' target programs. Additionally, the contractor shall provide overarching programmatic support to TCMU and his deputy across all elements, both co-located (GMD, THAAD, Lower Tier and Arrow) and off-site (Aegis BMD, KI, CMCM, ABL and SSTS.) This effort will include but is not limited to:

12.1.1– BMDS/Element Interface Support – The contractor shall assist the MDA/TCMU element interface personnel providing technical and programmatic expertise in support of each BMDS element (including but not limited to GMD, THAAD, Lower Tier and Arrow). The contractor shall assist the MDA/TCMU, his deputy and element interface personnel in providing element target program information exchange across the BMDS, the respective elements and MDA/TC. The contractor shall maintain daily communication with the element interface and the assigned element points of contact, providing technical and programmatic expertise to resolve actions and issues as required.

12.1.2 – Requirements Definition and Compliance – The contractor shall support BMDS and element target requirements development through daily interface, support of element/target working groups, and draft requirements reviews. The contractor shall assist in the preparation and MDA CCB approval for BMDS and

element Target Program Baselines (TPB). The contractor shall coordinate with the respective mission manager and product line developers to generate requirements compliance documentation and coordinate results with the BMDS and its elements. The contractor shall support TCE in the development of mission specific target validation reports.

12.1.3 – Budget Planning and Execution Support – The contractor shall track current and emerging element target requirements to generate current and out year budget requirements for element target programs. The contractor shall support the integration of multiple element target program requirements and funding allocations to the Product Lines, other government agencies and contracts to ensure requirements are fully funded and missions fly on schedule. Additionally, the contractor shall identify and make recommendations regarding funding shortfalls within element-supported programs and across programs if applicable.

12.1.4 – Element Target Program Master Schedule – The contractor shall develop and maintain a master schedule of all target programs for their respective element. Schedule will include product line developments, integration and launch campaigns for each mission. The contractor shall provide input to the TCM Master Schedule.

12.1.5 - Target System Acquisition Support – The contractor shall assist in the formulation of acquisition strategies to meet evolving target system requirements; and provide comments on critical issues such as cost, technical, and schedule risk. The contractor shall provide technical analyses and assist in development of Contract Requirements Packages. Assist in proposal evaluations as advisors on Source Selection Evaluation Board(s) and provide input to contract acquisition schedules, cost estimates, and other planning documents.

12.1.6 – Mission Data Products - The contractor shall coordinate with the element interface, mission manager, product lines and systems engineering to compile and deliver all pre-mission data and post flight reports to include quick look and performance reports and briefings.

12.1.7 – Mission Review Support - Attend meetings and provide technical input for all target coordination meetings, reviews, and special study groups. The contractor shall provide support to ensure treaty and environmental compliance of element target missions. Contractor shall also ensure adequate data collection plans are in place to support element test objectives.

12.1.8 - Special Studies/Analysis - The contractor shall support the TCMU, his deputy and element interface personnel with special studies and analysis as requested by the BMDS or its respective element. This effort shall include but is not limited to trajectory excursions, vehicle and payload capabilities, signature trade studies and budget drills. The contractor shall develop and prepare BMDS and element test program/target status briefings as required.

12.2 - MDA GMD Target Scenario Development Support - The contractor shall provide technical and engineering support to GMD in the area of flight test targets and scenarios requirements development.

13.0 SUBTASK 13 – Inventory, Launch Support Equipment, Logistics (TCL)

13.1 - Acquisition Logistics and Logistics Execution Support – The Contractor shall support logistics planning and execution for all MDT TC Programs. This support shall include development of Logistics Support Plans; transportation strategies; packing and handling procedures; load plans; Government Furnished Equipment/Property lists; Letters of Agreement to obtain services; onsite mission logistics support and retrograde plans; as well as provide support for aging and surveillance and reuse programs and other special program requirements.

13.2 - Inventory Management – Support management of government furnished equipment and booster components. Ensure flight qualified assets are available to support future target missions.

13.3 - Propulsion Systems – Provide missile system booster technical assistance, participate in motor aging and surveillance programs (to include current boosters such as Minuteman, STARS, etc. and future programs), support booster system buildup and test, monitor propulsion systems, and participate in formal booster buyoff meetings and static firings to ensure quality control of rocket motors used by the targets office.

13.4 – Support target/boosters selection and component analysis of candidate target systems to include instrumentation, safety, communications, environmental, and facility requirements.

13.5 – Range documentation review.

13.6 - Launch Support Equipment - Support management of all MDA-TC owned Launch Support Equipment located at various ranges and Red Stone Arsenal to ensure accountability, availability and serviceability of required equipment.

13.7 - Special Studies and Analysis - The contractor shall support the TCL with special studies and analysis as requested.

14.0 SUBTASK 14 – Systems Engineering (TCE)

14.1 - Program Management Support – The contractor shall review target requirement documentation; develop and track target system engineering budget requirements; formulate acquisition strategies to meet evolving requirements; and provide comments on critical issues such as cost, technical, and schedule risk. The contractor shall provide technical analyses and assist in development of Contract Requirements Packages. Assist in proposal evaluations as advisors on Source Selection Evaluation Board(s) and provide input to contract acquisition schedules, cost estimates, and other planning documents.

14.2– Target Requirements – Provide technical analysis, support and input to the Target requirements process. Provide technical review and assistance of target system requirements documents. Provide technical input to Target Program Baseline development.

14.3 - Target System Simulation and Technical Assistance – Conduct target system trajectory, signature and performance simulations. Develop and maintain target system trajectory and signature models and simulations.

14.4 – Trade Studies – Conduct target system engineering trade studies. Provide technical support to evaluate candidate target/boosters/component selection and analysis.

14.5 - Target Development – Provide technical review and system engineering support and analysis for target system and target component design, development, integration and test.

14.6 - Target Design Analysis and Assessment – Provide technical support to target system design including attending and providing technical analysis at design reviews and Technical Interchange Meetings. Assess target systems designs for compliance with requirements.

14.7 – Mission Support – Provide system engineering and technical analysis in support of target flight missions. Conduct pre-mission predictions, support scenario and trajectory development, and perform post-flight analysis.

14.8 - Target Validation – Provide technical support to the target certification process. Conduct target system requirements compliance assessments. Conduct a comparison of the target to the threat that includes physical, kinematics, and signature comparisons and report results as required and specified for the target system.

14.9 - Special Studies and Analysis - The contractor shall support the TCE with special studies and analysis as requested.

15.0 SUBTASK 15 – Reentry Vehicle (TCR)

15.1 - TCR program planning. Target acquisition planning.

15.2 - Target Development – Provide technical review and assistance during target systems hardware/software/instrumentation development.

15.3 - Target System Simulation and Technical Assistance – Review industry information and perform trajectory and signature simulations for target systems to include front-ends.

15.4 - Target selection and component analysis of candidate target systems to include instrumentation, safety, communications, environmental, and facility requirements.

15.5 - Target Characterization and Signature Analysis – The contractor shall provide independent evaluation of expected target signatures and radar characteristics using optical signature codes, computer models, and other predictive techniques. Support will be provided in (but not limited to) the following areas:

15.5.1 - Assessments of target fabrication methods

15.5.2 - Target characterization ground testing

15.6 - Range Documentation Review

15.7 - Target design analysis and assessment.

15.8 - Post-flight analysis.

15.9 - Special Studies and Analysis - The contractor shall support the TCR with special studies and analysis as required. The contractor shall develop and prepare test/target status briefings as required.

15.10 - Certification – The contractor shall support the Certification effort for MDA TC.

15.11 - MDA TC Target Validation – The contractor shall conduct a comparison of the target to the threat that includes physical, kinematics, and signature comparisons and report results as required and specified for the target system.

16.0 SUBTASK 16 – Business and Financial Operations (TCO)

16.1 - Target Acquisition, Budget and Cost Estimating, Contracts/EVMS, and Resource Management. Develop key acquisition planning material and contract packages in support of any possible acquisition effort(s); Support cost estimating/analysis; Contracts development and Earned Value Management; and Resource Management functions.

16.2 - Programmatic Support - The contractor shall review target requirement plans: develop and track target budget requirements; formulate acquisition strategies to meet evolving requirements; and provide comments on critical issues such as cost, technical, and schedule risk. The contractor shall provide technical analyses and assist in development of Contract Requirements Packages. Assist in proposal evaluations as advisors on Source Selection

Evaluation Board(s) and provide input to contract acquisition schedules, cost estimates, and other planning documents.

16.3 - Security Engineering Support - The contractor shall support the MDA TC develop security documentation of the Kodiak target launch facility, which may include identification of potential countermeasures, a countermeasures implementation plan, and verification documentation. The initial security documentation will include the OPSEC plan, The Force Protection Standard Operating Procedures (SOP), and The Force Protection Plan (FPP).

16.4 - Special Studies and Analysis - The contractor shall support the TCO with special studies and analysis as requested.

17.0 Subtask 17 – Mission Assurance for Launch Vehicles (TCV), Reentry Vehicles (TCR) and Integration and Launch (TCI) Managed by TCM

17.1 - Target System Simulation and Technical Assistance – Review industry information and perform trajectory and signature simulations for target systems

17.2 - Target/Boosters selection and component analysis of candidate target systems to include instrumentation, safety, communications, environmental, and facility requirements

17.3 - Target Development – Provide technical review and analysis during target systems hardware/software/instrumentation development.

17.3.1 – Software verification and validation.

17.3.2 - Target system design analysis and assessment.

17.3.3 - Test Management, Execution, and Operations – Provide onsite technical support during in-plant development and checkout, and during mission execution at the test range. Monitor processes and test activities and provide independent analyses

17.4 - Target Characterization and Signature Analysis – The contractor shall provide independent evaluation of expected target signatures and radar characteristics using optical signature codes, computer models, and other predictive techniques. Support will be provided in (but not limited to) the following areas:

17.4.1 - Target characterization ground testing

17.5 - Range documentation review.

17.6 - Post-flight analysis.

17.7 - Special Studies and Analysis - The contractor shall support the TCV with special studies and analysis as requested.

17.8 - Liquid Booster System (LBS) - The contractor shall support the LBS program in the areas of program planning and technical assistance and independent analysis.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	N/A
0004	N/A	N/A	N/A	N/A
0005	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97 1 0400.2501 36-6011 P0605117D00 2514 FK1A592300 S01021 FK1A592300/1HHU05/H
COST 000000000000
CODE:
AMOUNT: \$55,200.00

AB: 97 2 0400.2501 36-6011 P40603880C00 43PB JS2B713300 S01021 JS2B713300/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$0.00

AC: 97 2 0400.2501 36-6011 P40603880C00 43PB JS2B713200 S01021 JS2B713200/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$0.00

AD: 972 0400.2501 36-6011 P40603882C00 2514 SB2A600500 S01021 SB2A600500/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$200,000.00

AE: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A572300 S01021 FK2A572300/2HHN03/H
COST 000000000000
CODE:
AMOUNT: \$61,574.00

AF: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A572200 S01021 FK2A572200/2HHN03/H
COST 000000000000
CODE:
AMOUNT: \$50,000.00

AG: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604600 S01021 SB2A604600/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$85,000.00

AH: 972 0400.2501 36-6011 P40603882C00 2514 SB2A600200 S01021 SB2A600200/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$73,000.00

AJ: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604500 S01021 SB2A604500/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$120,000.00

AK: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604200 S01021 SB2A604200/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$300,000.00

AL: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604400 S01021 SB2A604400/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$2,790,191.00

AM: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604000 S01021 SB2A604000/2HHE03/H

COST 000000000000
CODE:
AMOUNT: \$85,000.00

AN: 972 0400.2501 36-6011 P40603882C00 2514 SB2A604100 S01021 SB2A604100/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$115,000.00

AP: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B701900 S01021 JS2B701900/2HHN08/H
COST 000000000000
CODE:
AMOUNT: \$433,200.00

AQ: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502300 S01021 FK2A502300/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$935,000.00

AR: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502200 S01021 FK2A502200/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$2,972,143.00

AS: 9720400.2501 5Q-5Q10 0604865C.2257-255Y 4Y2PAC634Y S01021 4Y2PAC634Y/24YPAC CC: 4Y0100
COST 000000000000
CODE:
AMOUNT: \$41,250.00

AT: 9720400 8ABC 255 SA 452 0 068342 2D 960010 302110000020 REF: N0002402AF18ABC
COST 000000000000
CODE:
AMOUNT: \$180,500.00

AU: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502000 S01021 FK2A502000/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$77,000.00

AV: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A501900 S01021 FK2A501900/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$136,000.00

AW: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502100 S01021 FK2A502100/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$25,000.00

AX: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A580100 S01021 FK2A580100/2HHN67/H
COST 000000000000
CODE:
AMOUNT: \$100,000.00

AY: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B713800 S01021 JS2B713800/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$264,000.00

AZ: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B713900 S01021 JS2B713900/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$140,000.00

BA: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502700 S01021 FK2A502700/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$437,716.00

BB: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B713300 S01021 JS2B713300/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$263,000.00

BC: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B713200 S01021 JS2B713200/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$103,607.00

BD: 972 0400.2501 36-6011 P40603882C00 2514 SB2A601200 S01021 SB2A601200/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$765,000.00

BE: 972 0400.2501 36-6011 P40603882C00 2514 SB2A602200 S01021 SB2A602200/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$60,000.00

BF: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A555000 S01021 FK2A555000/2HHN70/H
COST 000000000000
CODE:
AMOUNT: \$291,000.00

BG: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A555100 S01021 FK2A555100/2HHN70/H
COST 000000000000
CODE:
AMOUNT: \$97,000.00

BH: 97 1 0400.2501 36-6011 P0603874C00 2514 FK1A571000 S01021 FK1A571000/1HHN27/H
COST 000000000000
CODE:
AMOUNT: \$204,426.00

BJ: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A572800 S01021 FK2A572800/2HHN03/H
COST 000000000000
CODE:
AMOUNT: \$10,000.00

BK: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502900 S01021 FK2A502900/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$25,000.00

BL: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A502800 S01021 FK2A502800/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$40,000.00

BM: 97 1 0400.2501 36-6011 40603874C00 2514 FK1A505400 S01021 FK1A505400/1HHN06/H
COST 000000000000
CODE:
AMOUNT: \$88,960.00

BN: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A535200 S01021 FK2A535200/2HHN29/H
COST 000000000000
CODE:
AMOUNT: \$77,200.00

BP: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A535100 S01021 FK2A535100/2HHN29/H
COST 000000000000
CODE:
AMOUNT: \$46,000.00

BQ: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A535300 S01021 FK2A535300/2HHN29/H
COST 000000000000
CODE:
AMOUNT: \$83,200.00

BR: 97 1 0400.2501 36-6011 40603875C00 255Y FK1A551100 S01021 FK1A551100/1HHK03/H
COST 000000000000
CODE:
AMOUNT: \$20,000.00

BS: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A574000 S01021 FK2A574000/2HHN03/H
COST 000000000000
CODE:
AMOUNT: \$100,000.00

BT: 5723400 302 4665 14352D 040000 59200 31310F 503000 F03000 JON: 917444TN FSR: 037365 PSR: 434482 DSR: 229136
COST 000000000000
CODE:
AMOUNT: \$160,000.00

BU: 9720400 25FF YL2 3609 403101 646600 59200 63883C 503000 F03000 FSR:005755 PSR: 016415 DSR:061121
COST 000000000000
CODE:
AMOUNT: \$73,750.00

BV: 21 2 2040 2 4B 8768 665601 255Y S29040 2G22LH/255Y/MIPR2KKNMLH056 MIPR2KKNMLH056/G0M000
COST 000000000000
CODE:
AMOUNT: \$1,500.00

BW: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A503400 S01021 FK2A503400/2HHN01/H
COST 000000000000
CODE:
AMOUNT: \$4,000.00

BX: 97 1 0400.2501 36 6011 P40603874C00 2514 GH1A402000 S01021 GH1A402000/1HHN17/H
COST 000000000000
CODE:
AMOUNT: \$21,000.00

BY: 97 2 0400.2501 36-6011 P40603880C00 2514 JS2B714400 S01021 JS2B714400/2HHN10/H
COST 000000000000
CODE:
AMOUNT: \$2,000.00

BZ: 972 0400.2501 36-6011 P40603882C00 2514 SB2A605800 S01021 SB2A605800/2HHE03/H
COST 000000000000
CODE:
AMOUNT: \$45,000.00

CA: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A574100 S01021 FK2A574100/2HHN03/H
COST 000000000000
CODE:
AMOUNT: \$25,000.00

CB: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A503800 S01021 FK2A503800/2HHN01/H
COST 000000000000
CODE:

AMOUNT: \$35,000.00

CC: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A520300 S01021 FK3A520300/3HHN03/H
COST 000000000000

CODE:
AMOUNT: \$0.00

CD: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A520600 S01021 FK3A520600/3HHN03/H
COST 000000000000

CODE:
AMOUNT: \$0.00

CE: 972 0400.2501 36-6011 P40603882C00 2514 SB2A605900 S01021 SB2A605900/2HHE03/H
COST 000000000000

CODE:
AMOUNT: \$85,998.00

CF: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A500300 S01021 FK3A500300/3HHN01/H
COST 000000000000

CODE:
AMOUNT: \$4,597,000.00

CG: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A520700 S01021 FK3A520700/3HHN03/H
COST 000000000000

CODE:
AMOUNT: \$90,000.00

CH: 973 0400.2501 36 6011 P40603880C00 255Y AG3A810300 S01021 AG3A810300/3HHN92/H
AMOUNT: \$25,000.00

CJ: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A574200 S01021 FK2A574200/2HHN03/H
AMOUNT: \$10,276.00

CK: 97 3 0400.2501 36-6011 P40603880C00 2514 CP3B331300 S01021 CP3B331300/3HHN04/H
AMOUNT: \$299,000.00

CL: 973 0400.2501 36-6011 P40603882C00 2514 SB3A600600 S01021 SB3A600600/3HHE81/H
AMOUNT: \$2,245,049.00

CM: 973 0400.2501 36-6011 P40603882C00 2514 SB3A603000 S01021 SB3A603000/3HHE81/H
AMOUNT: \$300,000.00

CN: 973 0400.2501 36-6011 P40603882C00 2514 SB3A602600 S01021 SB3A602600/3HHE81/H
AMOUNT: \$140,000.00

CP: 973 0400.2501 36-6011 P40603882C00 2514 SB3A601000 S01021 SB3A601000/3HHE81/H
AMOUNT: \$687,000.00

CQ: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A500600 S01021 FK3A500600/3HHN01/H
AMOUNT: \$415,000.00

CR: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A500400 S01021 FK3A500400/3HHN01/H
AMOUNT: \$25,000.00

CS: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A535300 S01021 FK3A535300/3HHN06/H
AMOUNT: \$202,276.00

CT: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A500700 S01021 FK3A500700/3HHN01/H
AMOUNT: \$166,000.00

CU: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A500800 S01021 FK3A500800/3HHN01/H
AMOUNT: \$109,000.00

CV: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A504100 S01021 FK2A504100/2HHN01/H

AMOUNT: \$57,540.00

CW: 97 3 0400.2501 36-6011 P40603880C00 2514 JS3B700700 S01021 JS3B700700/3HHN21/H
AMOUNT: \$475,000.00

CX: 973 0400.2501 36-6011 P40603882C00 2514 SB3A600400 S01021 SB3A600400/3HHE81/H
AMOUNT: \$199,000.00

CY: 973 0400.2501 36-6011 P40603882C00 2514 SB3A600700 S01021 SB3A600700/3HHE81/H
AMOUNT: \$200,000.00

CZ: 97 3 0400.2501 36-6011 P40603880C00 2514 CP3B331400 S01021 CP3B331400/3HHN04/H
AMOUNT: \$32,980.00

DA: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A521000 S01021 FK3A521000/3HHN03/H
AMOUNT: \$410,000.00

DB: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A521200 S01021 FK3A521200/3HHN03/H
AMOUNT: \$50,000.00

DC: 97 3 0400.2501 36 6011 P40603882C00 2514 FK3A540100 S01021 FK3A540100/3HHE93/H
AMOUNT: \$245,000.00

DD: 97 3 0400.2501 36-6011 40603880C00 2514 FK3A521100 S01021 FK3A521100/3HHN03/H
AMOUNT: \$20,000.00

DE: 97 3 0400.2501 36-6011 P40603880C00 2514 CP3B331200 S01021 CP3B331200/3HHN04/H
AMOUNT: \$64,790.00

DF: 97 3 0400.2501 36-6011 P40603880C00 2514 CP3B331500 S01021 CP3B331500/3HHN04/H
AMOUNT: \$20,000.00

DG: 97 3 0400.2501 36-6011 P40603880C00 2514 FK3A522100 S01021 FK3A522100/3HHN03/H
AMOUNT: \$48,047.00

DH: 97 3 0400.2501 36-6011 P40603880C00 2514 FK3A521900 S01021 FK3A521900/3HHN03/H
AMOUNT: \$10,000.00

DJ: 97 3 0400.2501 36-6011 P40603880C00 2514 FK3A522000 S01021 FK3A522000/3HHN03/H
AMOUNT: \$10,000.00

DK: 97 3 0400.2501 36-6011 P40603880C00 2514 FK3A522600 S01021 FK3A522600/3HHN03/H
AMOUNT: \$200,000.00

DL: AA 9720400 8ABC 255 SA 452 0 068342 2D 960010 302110000010
AMOUNT: \$55,000.00

DM: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A501400 S01021 FK3A501400/3HHN01/H
AMOUNT: \$200,000.00

DN: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A536500 S01021 FK3A536500/3HHN06/H
AMOUNT: \$109,000.00

DP: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A501500 S01021 FK3A501500/3HHN01/H
AMOUNT: \$144,000.00

DQ: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A501600 S01021 FK3A501600/3HHN01/H
AMOUNT: \$200,000.00

DR: 9720400 25FF YL2 3609 403101 646600 59200 63883C 503000 F03000 FSR:005755 PSR: 016415 DSR 219609
AMOUNT: \$337,500.00

DS: 973 0400.2501 36-6011 P40603882C00 2514 SB3A603300 S01021 SB3A603300/3HHE81/H
AMOUNT: \$300,000.00

DT: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A501700 S01021 FK3A501700/3HHN01/H
AMOUNT: \$20,000.00

DU: 9730400.25FF YL3 3609 403101 646600 592 63883C 503000 F03000 MIPR: NKIRT036209057
AMOUNT: \$90,881.00

DV: 97 2 0400.2501 36-6011 P40603880C00 2514 FK2A536400 S01021 FK2A536400/2HHN29/H
AMOUNT: \$30,800.00

DW: 973 0400.2501 36-6011 P40603882C00 2514 SB3A600500 S01021 SB3A600500/3HHE81/H
AMOUNT: \$33,000.00

DX: 973 0400.2501 36-6011 P40603882C00 2514 SB3A603600 S01021 SB3A603600/3HHE81/H
AMOUNT: \$150,000.00

DY: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A510700 S01021 FK4A510700/4HHK71/H
AMOUNT: \$325,000.00

DZ: 974 0400.2501 36-6011 P40603882C00 2514 SB4A600900 S01021 SB4A600900/4HHE81/H
AMOUNT: \$100,000.00

EA: 974 0400.2501 36-6011 P40603882C00 2514 SB4A600700 S01021 SB4A600700/4HHE81/H
AMOUNT: \$684,000.00

EB: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A550100 S01021 FK4A550100/4HHK15/H
AMOUNT: \$771,000.00

EC: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A550200 S01021 FK4A550200/4HHK15/H
AMOUNT: \$265,000.00

ED: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A510800 S01021 FK4A510800/4HHK71/H
AMOUNT: \$321,000.00

EE: 9740460 1180 P4804 5890 2574 PTAM40931 S1 9TCB97 MENA 012123 MIPR: ATEC-04-903
AMOUNT: \$650,000.00

EF: 974 0400.2501 36-6011 P40603888C00 2514 FK4A500800 S01021 FK4A500800/4HHK50/H
AMOUNT: \$570,000.00

EG: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501300 S01021 FK4A501300/4HHK50/H
AMOUNT: \$90,000.00

EH: 974 0400.2501 36-6011 P40603888C00 2514 FK4A500900 S01021 FK4A500900/4HHK50/H
AMOUNT: \$50,000.00

EJ: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501000 S01021 FK4A501000/4HHK50/H
AMOUNT: \$60,000.00

EK: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501100 S01021 FK4A501100/4HHK50/H
AMOUNT: \$50,000.00

EL: 974 0400.2501 36-6011 P40603888C00 2514 FK4A511600 S01021 FK4A511600/4HHK71/H
AMOUNT: \$450,000.00

EM: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501600 S01021 FK4A501600/4HHK50/H
AMOUNT: \$1,021,000.00

EN: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501400 S01021 FK4A501400/4HHK50/H
AMOUNT: \$265,000.00

EP: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501500 S01021 FK4A501500/4HHK50/H
AMOUNT: \$284,000.00

EQ: 974 0400.2501 36-6011 P40603888C00 2514 FK4A511700 S01021 FK4A511700/4HHK71/H
AMOUNT: \$500,000.00

ER: 974 0400.2501 36-6011 P40603888C00 2514 FK4A501200 S01021 FK4A501200/4HHK50/H
AMOUNT: \$50,000.00

ES: 974 0400.2501 36-6011 P40603888C00 2514 FK4A511400 S01021 FK4A511400/4HHK71/H
AMOUNT: \$408,000.00

ET: 974 0400.2501 36-6011 P40603888C00 2514 FK4A511300 S01021 FK4A511300/4HHK71/H
AMOUNT: \$25,000.00

EU: 974 0400.2501 36-6011 P40603888C00 2514 FK4A511800 S01021 FK4A511800/4HHK71/H
AMOUNT: \$300,000.00

EV: 974 0400.2501 36-6011 P40603888C00 2514 FK4A521000 S01021 FK4A521000/4HHK72/H
AMOUNT: \$300,000.00

EW: 974 0400.2501 36-6011 P40603888C00 2514 FK4A520900 S01021 FK4A520900/4HHK72/H
AMOUNT: \$797,705.00

EX: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A501800 S01021 FK4A501800/4HHK50/H
AMOUNT: \$398,000.00

EY: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A502200 S01021 FK4A502200/4HHK50/H
AMOUNT: \$130,000.00

EZ: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A501700 S01021 FK4A501700/4HHK50/H
AMOUNT: \$356,000.00

FA: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A501900 S01021 FK4A501900/4HHK50/H
AMOUNT: \$200,000.00

FB: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A502000 S01021 FK4A502000/4HHK50/H
AMOUNT: \$97,000.00

FC: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A521200 S01021 FK4A521200/4HHK72/H
AMOUNT: \$280,000.00

FD: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A521300 S01021 FK4A521300/4HHK72/H
AMOUNT: \$160,000.00

FE: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A513000 S01021 FK4A513000/4HHK71/H
AMOUNT: \$100,000.00

FF: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A512900 S01021 FK4A512900/4HHK71/H
AMOUNT: \$200,000.00

FG: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A502100 S01021 FK4A502100/4HHK50/H
AMOUNT: \$20,000.00

FH: 973 0400.2501 36-6011 P40603882C00 2514 SB3A604000 S01021 SB3A604000/3HHE81/H
AMOUNT: \$600,000.00

FJ: 97 3 0400.2501 36-6011 40604865C00 2514 FK3A530800 S01021 FK3A530800/3HHM93/H
AMOUNT: \$298,708.00

FK: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A502600 S01021 FK4A502600/4HHK50/H
AMOUNT: \$68,000.00

FL: 97 3 0400.2501 36 6011 P40603880C00 2514 FK3A510700 S01021 FK3A510700/3HHN19/H
AMOUNT: \$130,100.00

FM: 97 3 0400.2501 36 6011 P40603882C00 2514 FK3A540700 S01021 FK3A540700/3HHE93/H

AMOUNT: \$667,085.00

FN: 97 4 0400.2501 36-6011 P40603888C00 2514 FK4A555400 S01021 FK4A555400/4HHK27/H
AMOUNT: \$550,000.00

FP: 97 4 0400.2501 36 6011 P40603888C00 2514 JS4B701500 S01021 JS4B701500/4HHK13/H
AMOUNT: \$50,000.00

FQ: 974 0400.2501 36-6011 P40603888C00 2514 FK4A515300 S01021 FK4A515300/4HHK71/H
AMOUNT: \$859,000.00

FR: 974 0400.2501 36-6011 P40603888C00 2514 FK4A515400 S01021 FK4A515400/4HHK71/H
AMOUNT: \$304,000.00

FS: 974 0400.2501 36-6011 P40603888C00 2514 FK4A555600 S01021 FK4A555600/4HHK27/H
AMOUNT: \$908,000.00

FT: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5289FKAA 5HHK15 S01021
AMOUNT: \$375,000.00

FU: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5289FKEA 5HHK25 S01021
AMOUNT: \$1,500,000.00

FV: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5289FKCA 5HHK23 S01021
AMOUNT: \$580,000.00

FW: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5289FKDA 5HHK24 S01021
AMOUNT: \$970,000.00

FX: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5289FKAB 5HHK15 S01021
AMOUNT: \$600,000.00

FY: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5327FKEB 5HHK25 S01021
AMOUNT: \$1,000,000.00

FZ: 97 5 0400 2501 36 2220 40603888C00 2514 W31RPD5336FKFD 5HHK39 S01021
AMOUNT: \$565,000.00

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Section J		
Attachment 2	DD Form 254, Revision 15	30	31-AUG-2004