<table>
<thead>
<tr>
<th>APPROPRIATION/BUDGET ACTIVITY</th>
<th>PROGRAM ELEMENT NUMBER AND NAME</th>
<th>PROJECT NUMBER AND NAME</th>
</tr>
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<tbody>
<tr>
<td>RDT&amp;E, N/BA-4 Demonstration/Validation</td>
<td>0603612M Marine Corps Mine/Countermeasures Systems</td>
<td>C2106 Advance Mine Detector</td>
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<tbody>
<tr>
<td>Project Cost</td>
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<td>0.000</td>
<td>0.497</td>
<td>5.881</td>
<td>5.754</td>
<td>2.907</td>
<td>0.000</td>
<td>0.000</td>
<td>15.039</td>
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**RDT&E Articles Qty**

(U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Advance Mine Detector (AMD) will be a man-portable system capable of detecting both metallic and nonmetallic buried mines regardless of fuse type. The AMD will alleviate a critical deficiency for detection of plastic, surf zone and water mines. Current mine detection technologies are only able to detect metallic mines.

**PROGRAM ACCOMPLISHMENTS AND PLANS**

(U) FY 2001 Accomplishments: Not Applicable.

(U) FY 2002 Planned Program: Not Applicable

(U) FY 2003 Planned Program:
- (U) $0.497 Prepare for program transition to MARCORSYSCOM from ONR. Provide program management and technical support, travel, and update all program documentation.

(U) Total $0.497

**PROJECT CHANGE SUMMARY:**

(U) FY 2002 President's Budget: 0.000 0.000

(U) Adjustments from the President's Budget:
- (U) SBIR/STTR Transfer
- (U) Execution Adjustment
- (U) Minor Affordability Adjustment
- (U) Program Adjustment

(U) FY 2003 President's Budget: 0.000 0.000 0.497

CHANGE SUMMARY EXPLANATION:
- (U) Funding: See Above.
- (U) Schedule: Not Applicable.
- (U) Technical: Not Applicable.
UNCLASSIFIED

CLASSIFICATION: EXHIBIT R-2a, RDT&E Project Justification

DATE: February 2002

APPROPRIATION/BUDGET ACTIVITY: RDT&E, N /BA-4 Demonstration/Validation

PROGRAM ELEMENT NUMBER AND NAME: 0603612M Marine Corps Mine/Countermeasures Systems

PROJECT NUMBER AND NAME: C2106 Advance Mine Detector

(U) C. OTHER PROGRAM FUNDING SUMMARY:

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<tbody>
<tr>
<td>PMC BLI 632500 Adv Mine Detector</td>
<td>0.000</td>
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<td>0.000</td>
<td>3.232</td>
<td>21.116</td>
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(U) Related RDT&E: Not Applicable.

(U) D. ACQUISITION STRATEGY: By leveraging off an ONR research and development program for mine detection, MCSC will maintain active involvement in the AMD development during Concept Exploration. A backpack prototype, configured to detect TNT, RDX, tetryl and metallic mines, will be delivered 2nd quarter FY 03 for MCSC test and evaluation. Results will determine readiness for a Milestone B decision. MCSC will transition the demonstrated technology into System Development and Demonstration phase for further development. MCSC will award a cost plus contract with negotiated contractor incentives in the areas of weight, sweep speed, and power consumption. After completion of Milestone B the program will go into LRIP. MSCS will conduct IOT&E of LRIP items in preparation for full rate production. The production phase will employ a fixed price production contract.

(U) E. SCHEDULE PROFILE: Not Applicable.

R-1 SHOPPING LIST - Item No. 68

UNCLASSIFIED