

CLASSIFICATION: UNCLASSIFIED

Exhibit P-40, BUDGET ITEM JUSTIFICATION

DATE
February 2011

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/BA 2

P-1 LINE ITEM NOMENCLATURE
SHALLOW WATER MINE CM SHIP
SUBHEAD NO. 72SW BIL: 2624

Program Element for Code B Items
0603502N

Other Related Program Elements
0204302N

| Quantity | Prior Years | ID Code | FY 2010 | FY 2011 | BASELINE FY 2012 | OCO FY 2012 | TOTAL FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | To Complete | Total |
|------------------------------|-------------|---------|---------|---------|---------------------|----------------|------------------|---------|---------|---------|---------|----------------|-------|
| | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (In Millions) | 19.2 | | 7.8 | 9.2 | 1.0 | 0.0 | 1.0 | 6.1 | 6.2 | 6.2 | 26.1 | 0.0 | 81.8 |
| SPARES COST (In Millions) | 0.6 | 0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 1.6 |

PROGRAM DESCRIPTION/JUSTIFICATION:

This program provides a combination of US Navy projects planned to counter the threat to amphibious landing forces from known and projected foreign land/sea mines, obstacles in the beach zone and surf zone approaches to amphibious assault areas. It is a system of systems (Countermine/Counter-Obstacle, Intelligence/Surveillance/Reconnaissance/Targeting (ISR/T), Navigation/Virtual Marking/Integration, C4I/Data Fusion) to provide a full assault breaching capability. This program is an essential element to the Marine Corps Ship To Objective Maneuver (STOM) Concept of Operations.

Landing Craft Utility (LCU) Navigation Upgrade (SW003): Modernize the navigation system to enable safe transit through the breached lane.

Coastal Battlefield Reconnaissance and Analysis (COBRA) (SW004): The Intelligence, Surveillance, Reconnaissance/Targeting (ISR/T) part of the Assault Breaching System (ABS) of systems. One System consists of two Airborne Mine Counter Measures (AMCM) Payloads and one Post Mission Analysis (PMA) Station. Under the umbrella of evolutionary acquisition, three increments of development are planned. Block I introduces a daytime, surface laid minefield and obstacle detection capability for the Beach Zone. Block II adds a surfzone and night (darkness) detection capability. Block III adds a buried mine detection capability and on-board Near-Real-Time processing of Multi Spectral Imagery data. COBRA will be a modular payload architecture of, and integrated with, the MQ-3B Fire Scout Vertical Takeoff and Landing Unmanned Aerial Vehicle (VTUAV) and will serve as the "detect" mission module of the Littoral Combat Ship (LCS) Mine Warfare mission package.

Amphibious Assault Vehicle (AAV) Navigation Upgrade (SW005): Modernize the Landing Craft Units' (LCUs) navigation system to enable precise transit through the breached lane.

Landing Craft Air Cushion (LCAC) Autopilot Upgrade (SW061): An integrated improvement to the LCAC (Service Life Extension Program (SLEP) craft only) navigation system for craft control that allows precise navigation and hovering within the breached lane. (Upgrade software and backfit.)

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EXHIBIT P-5 COST ANALYSIS

Weapon System

DATE
February 2011

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/BA 2

ID Code
P-1 LINE ITEM NOMENCLATURE
SHALLOW WATER MINE CM SHIP
SUBHEAD NO. 72SW

| COST CODE | ELEMENT OF COST | ID Code | TOTAL COST IN MILLIONS OF DOLLARS | | | | | | | | | | | |
|-----------|---|---------|-----------------------------------|----------|-----------|------------|----------|-----------|------------|----------|-----------|------------|--|--|
| | | | Prior Years | FY 2010 | | | FY 2011 | | | FY 2012 | | | | |
| | | | Total Cost | Quantity | Unit Cost | Total Cost | Quantity | Unit Cost | Total Cost | Quantity | Unit Cost | Total Cost | | |
| SW003 | LCU NAVIGATION UPGRADES | B | 1.479 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | | |
| SW004 | COBRA | A | 0.000 | 1 | 3.267 | 3.267 | 1 | 4.095 | 4.095 | 0 | 0.000 | 0.000 | | |
| | SW000411 COBRA BLOCK 1 SPARES, TRAINING | A | 1.034 | 0 | 0.000 | 1.000 | 0 | 0.000 | 1.021 | 0 | 0.000 | 0.000 | | |
| | SW000411 COBRA BLOCK 1 MOD UPGRADES | A | 11.072 | 0 | 0.000 | 2.390 | 0 | 0.000 | 2.831 | 0 | 0.000 | 0.000 | | |
| SW005 | AMPHIBIOUS ASSAULT VEHICLE NAV UPGRADE | A | 2.558 | 53 | 0.020 | 1.062 | 44 | 0.026 | 1.128 | 0 | 0.000 | 0.000 | | |
| | AMPHIBIOUS ASSAULT VEHICLE NAV UPGRADE | | | | | | | | | | | | | |
| SW061 | LCAC AUTOPILOT UPGRADES | B | 2.040 | 0 | 0.000 | 0.092 | 0 | 0.000 | 0.161 | 0 | 0.000 | 1.048 | | |
| SW830 | PRODUCTION ENGINEERING | B | 1.033 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | | |
| | TOTAL EQUIPMENT | | 19.216 | | | 7.811 | | | 9.236 | | | 1.048 | | |
| | TOTAL | | 19.216 | | | 7.811 | | | 9.236 | | | 1.048 | | |