

SECTION C - DESCRIPTION/SPECIFICATION/WORK STATEMENT

INTRODUCTION

This is a Cost Plus Award Fee (CPAF) Basic Contract with Schedule Incentives and a Base Fee for the Completion of the AEGIS LEAP Intercept/SM-3 Interceptor Program (ALI/SM-3). The Contractor shall be the

[Redacted] The following definitions apply:

- All-Up-Round (AUR) - Encanistered Missile Round
- Missile Round - Complete Missile less canister

[Redacted] of the SM-3 configuration through final design

This SOW consists of continuing the development of the SM-3 configuration from FDR activities through completion of the flight demonstration tests. The Contractor shall maintain all

[Redacted] The Contractor is not authorized to use [Redacted] during the execution of this contract.

The following references with applicable revisions shown below apply to SECTIONS C through I of this contract:

MILITARY STANDARDS/SPECIFICATIONS

The following documents shall be utilized to the extent specified herein:

- MIL-STD-129/1 Marking For Shipment and Storage-Ammunition and Explosives dated 15 June 1993
- MIL-STD-129M Marking For Shipment and Storage dated 15 June 1993
- MIL-STD-130H Identification Marking of U.S. Military Property dated 11 October 1988
- MIL-HDBK-454 General Guidelines for Electronic Equipment dated 28 April 1995
- MIL-STD-882C System Safety Program Requirements dated 19 January 1993

MIL-STD-1285B Marking of Electrical and Electronic Parts  
dated 02 April 1990

MIL-STD-1686B Electrostatic Discharge Control Program for  
Protection of Electrical and Electronic  
Parts, Assemblies and Equipment (Excluding  
Electrically Initiated Explosive Devices)  
dated 31 December 1992.

## OTHER DOCUMENTATION

The following documents shall be utilized to the extent specified  
herein:

ANSI/ASQC Q9001- Quality Systems - Model for Quality  
1994 Assurance in Design, Development,  
Production, Installation and Servicing dated  
01 August 1994

ASTM D 3951-95 Standard Practice for Commercial Packaging  
dated 15 July 1995

DOD 5000.2-R Mandatory Procedures for Major Defense  
Acquisition Programs (MDAPs) and Major  
Automated Information System (MAIS)  
Acquisition Programs dated 15 March 1996

DOD 5200.1-M Standard for Security & Operations at  
Acquisition Facilities

DOD 5220.22-M National Industrial Security Program -  
Operating Manual dated January 1995

G670390 Naval Sea Command Prime Item Development  
Specification (PIDS) for the STANDARD  
Missile 3 (SM-3) Missile, Revision A dated  
3 October 1997, amended by approved NORs  
5047132 and 5047201

G670851 Integrated Ground Test and Evaluation Plan  
(IGTEP) for AEGIS LEAP Intercept Flight  
Demonstration Program SM-3, Revision B dated  
July 1997

ISO/IEC 12207 Information Technology - Software Life Cycle  
Processes

MD 56145 Test Equipment Secondary Change Control  
Board Configuration Management Plan dated  
14 July 1995

MD 56303 Test Requirements Document for Encanistered SM-2 BLOCK IV and VLS Canister MK 21 MOD 0

MD 56658A Naval Weapons Station and Contractor Support Facility Tracking and Handling Procedures for STANDARD Missile IOM's, ITM's, and Special Project Hardware

MD 57104 STANDARD Missile Program Quality and Reliability Program Provisions SM-2 dated 24 May 1995

MD 57164 STANDARD Missile Integrated Data Management System Business Operations Plan

MD 57167 STANDARD Missile Program Government Concept of Operations (GCO) for Continuous Acquisition and Life-Cycle Support (CALs) Implementation

MD 57181 Acceptance Test Plan for SM-2 BLOCK IVA Upgrade to MK 612 MOD 4 Guided Missile Test Set dated TBD

NAVSEA S0300-BU-GYD-010 Government Industry Data Exchange Program (GIDEP) Contractor Requirements Guide dated November 1994

NAVSEA SW020-AC-SAF-010/020/030 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials dated 15 September 1992

NAVSEAINST 5400.52A Industrial Engineering for Surface Missile and Propulsion Processing Documentation dated 16 September 1986

NAVSEAINST 8020.8A Department of Defense Explosives Hazard Classification Procedures dated December 1989

NAVSEAINST 8020.9A Non-Nuclear Ordnance and Explosives Handling Qualification and Certification Program dated 05 June 1985

NAVSEAINST 8020.17 Navy Explosive Hazard Classification Procedures dated 10 December 1992

NASUPINST 4600.70 Transportation and Travel Military Traffic Management Regulations dated 19 March 1975

OD 31460, Rev 13 STANDARD Missile Major Parts  
Interchangeability Data dated 18 May 1995

OP-5 Ammunition and Explosive Ashore, Safety  
Regulations for Handling, Storing,  
Production, Renovation and Shipping

OR-68 Ordnance Requirement, Packing STANDARD  
Missile in Shipping and Storage Container

OR-99B Intermediate and Support Maintenance of  
Weapons Packaging, Handling, Storage and  
Transportation Equipment dated  
5 October 1972

SMPD Surface Missile Processing Descriptions  
STANDARD Missile

ST-890-D1-MMI-010 Intermediate Maintenance Activity System  
Operation and Maintenance Manual with  
Illustrated Parts Breakdown for Combined  
Missile Test Set, MK 680 MOD 1 dated  
19 July 1995

SW820-AF-CMP-050 Description, Maintenance, and Repair Parts  
Breakdown Surface Vertical Launch System  
Support Equipment

#### HAZARDOUS MATERIAL CONTROL AND MANAGEMENT

The development, production, testing, operation, and maintenance of STANDARD Missile-3 will include the use of hazardous materials at Contractor facilities resulting in the potential for environmental pollution including air, waste water, and solid wastes. The Contractor shall minimize the use of hazardous material in the ALI/SM-3 Program.

Whenever hazardous materials are necessary, the Contractor shall be responsible for the implementation of a formal Hazardous Material Control and Management Program to ensure control of the environmental effects of the development, production, testing, operational and maintenance processes. In addition, the Contractor shall be responsible for the identification, justification, and documentation of all hazardous materials used. The Contractor shall identify the potential health hazards of the hazardous materials selected for STANDARD Missile application, and shall provide appropriate hazard mitigation measures to minimize personnel and environmental damage and exposure.

The Contractor shall also identify all pollutants generated by each process (production, test, operations) and appropriate disposal methods.

The Contractor shall establish hazard classifications for STANDARD Missile in accordance with NAVSEAINST 8020.17. Furthermore, the Contractor shall follow the explosive hazard classification procedures of NAVSEAINST 8020.8A.

Item 0001 - The Contractor shall provide [REDACTED]  
 [REDACTED]  
 [REDACTED]

The Contractor shall fabricate, assemble, integrate, test and deliver SM-3 AURs in accordance with Attachment 3 and Attachment 10 of this contract. The Contractor shall use the Government Furnished Property (GFP) as specified in SECTION H, NAVSEA 5252.245-9108, "Government-Furnished Property (Performance) (SEP 1990)" and NAVSEA 5252.245-9109, "Government-Furnished Property (Incorporation) (SEP 1990)" during Missile Round and AUR manufacture. The Contractor shall maintain and repair the GFP identified in NAVSEA 5252.245-9108.

The Contractor shall fabricate each SM-3 AUR to contain a Flight Termination System (FTS). The Contractor shall provide the SM-3 AURs (special test units) listed below:

FLIGHT TEST HARDWARE	QTY	PURPOSE
Flight Test CTVs	2 ea	See ITEP
Unassembled Spares of the CTV Configuration	1 set	See ITEP
Flight Test GTVs	3 ea	See ITEP
Unassembled Spares of the GTV Configuration	1 set	See ITEP

The Contractor shall demonstrate the flight readiness of the SM-3 AURs through successful completion of the Design Verification Tests specified in ITEP and the IGTEP.

To support the ALI/SM-3 Program, the Contractor shall provide and utilize the hardware units listed below:

HARDWARE UNITS FOR TEST ITEM 0001	QTY	REMARKS
Guidance Section, Minus Plate 3A & Batteries	1 ea	Evaluation tests at APL (GSEL)
KW, Minus Battery, Inert SDACS for GSEL	1 ea	Evaluation tests at APL (GSEL)
GAINS RPU Circuit Card Assembly & IMU	1 ea	Evaluation tests at APL (NAVSIL)
Third Stage Rocket Motors Assembly (TSRMs)	2 ea	Fast cookoff and 40 foot drop tests at NSWC/DD
Solid Divert and Attitude Control System	2 ea	Fast cookoff and 40 foot drop tests at NSWC/DD
KW with Inert SDACS	1 ea	HERO Testing at NSWC/DD
TSRM Batteries	12 ea	Battery qual tests

HARDWARE UNITS FOR TEST ITEM 0001 (con't)	QTY	REMARKS
Flight Termination System (FTS) Batteries	12 ea	Battery qualification tests
Third Stage Batteries	15 ea	Battery qualification tests (12) and safety tests (3)
Second Stage Batteries (160 Volts)	33 ea	Battery qualification tests (24) and safety tests (9)
KW Warhead Batteries	12 ea	Battery qualification tests
DIM-1	1 ea	See IGTEP
IOM-3	1 ea	See IGTEP
IOM-4	1 ea	See IGTEP
IOM-5	1 ea	See IGTEP
IOM-6	1 ea	See IGTEP
IOM-7	1 ea	See IGTEP

Item 0002 - The Contractor shall furnish data for Items 0001, 0003 and 0004. The data to be furnished hereunder shall be prepared in accordance with the requirements specified in this contract. Unless otherwise specified, the Contractor shall schedule the dates of first submission and subsequent revisions of the data in the Integrated Master Schedule (IMS) and the Top Level Program Schedule. The Contractor shall maintain the data current with design modifications and changes in program requirements. Where feasible and as specified herein, agreed upon data shall be delivered to the Government Integrated Data Management System (IDMS) at COMMANDER, ATTN CODE 4R10, PORT HUENEME DIVISION, NAVAL SURFACE WARFARE CENTER, 4363 MISSILE WAY, PORT HUENEME CA 93042-4307. Revisions to the data shall be submitted electronically and available real-time through a mutually agreed upon method.

Item 0003 - The Contractor shall fabricate, assemble, integrate, test, and deliver SM-3 AURs in accordance with Attachment 3 and Attachment 10. The Contractor shall use the Government Furnished Property (GFP) as specified in SECTION H, NAVSEA 5252.245-9108, "Government-Furnished Property (Performance)" (SEP 1990)" and NAVSEA 5252.245-9109, "Government-Furnished Property (Incorporation) (SEP 1990)" during Missile Round and AUR manufacture. The Contractor shall maintain and repair the GFP identified in NAVSEA 5252.245-9108.

The Contractor shall fabricate each SM-3 AUR to contain a Flight Termination System (FTS). The Contractor shall provide the SM-3 AURs (special test units) listed below:

FLIGHT TEST HARDWARE	QTY	PURPOSE
Flight Test CTVs	1 ea	See ITEP
Flight Test GTVs	2 ea	See ITEP
Unassembled Spares of the GTV Configuration	3 sets	See ITEP

The Contractor shall demonstrate the flight readiness of the SM-3 AURs through successful completion of the Design Verification Tests specified in ITEP and the IGTEP.

The Contractor shall provide and utilize the hardware unit listed below:

HARDWARE UNIT FOR TEST ITEM 0003	QTY	PURPOSE
IOM-SP Unassembled Spare IOM Config.	1 set	See IGTEP

The Contractor shall fabricate IOM and DIM units to support the testing per the IGTEP.

Item 0004 - The Contractor shall procure Long Lead Material (LLM) that is required to support the efforts to deliver CTV/GTV SM-3 hardware in time to meet test schedules. PMS422 must be notified of all LLM procurement actions. Additionally, prior to initiation, PMS422 approval is required for each procurement action which exceeds [REDACTED] in total or includes unit prices exceeding [REDACTED]. The Contractor shall coordinate to the maximum extent possible, common material buys within all Standard Missile Programs in an effort to realize economies of scale.

#### ASSIGNMENT AND USE OF NATIONAL STOCK NUMBERS (NAVSEA) (MAY 1993)

To the extent that National Stock Numbers (NSN's) or preliminary NSN's are assigned by the Government for the identification of parts, pieces, items, subassemblies or assemblies to be furnished under this contract, the Contractor shall use such NSN's or preliminary NSN's in the preparation of provisioning lists, package labels, packing lists, shipping containers, and shipping documents as required by applicable specifications, and standards of the contract or as required by orders for spare and repair parts. The cognizant Government Contract Administration Office shall be responsible for providing the Contractor such NSN's or preliminary NSN's which may be assigned and which are not already in possession of the Contractor.

#### INFORMATION AND DATA FURNISHED BY THE GOVERNMENT - ALTERNATE II (NAVSEA) (MAY 1993)

a. NAVSEA Form 4340/2 or Schedule C, as applicable, "Government Furnished Information," attached hereto, incorporates by listing or specific reference, all the data or information which the Government has provided or will provide to the Contractor except for -

- (1) The specification set forth in SECTION C, and
- (2) Government specifications, including drawings and other Government technical documentation which are referenced directly or indirectly in the specifications set forth in SECTION C and which are applicable to this contract as specifications, and which are generally available and provided to Contractors or prospective Contractors upon proper request, such as Federal or Military Specifications, and Standard Drawings, etc.

b. Except for the specifications referred to in subparagraphs a.(1) and a.(2) above, the Government will not be obligated to provide to the Contractor any specification, drawing, technical documentation or other publication which is not listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable, notwithstanding anything to the Contractor in the specifications, the publications listed or specifically referenced in NAVSEA form 4340/2 or Schedule C, as applicable, the clause entitled "GOVERNMENT PROPERTY (FIXED-PRICE CONTRACTS)" (FAR 52.245-2), or "GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS)" (FAR 52.245-5), as applicable, or any other term or condition of this contract.

c. (1) The Contracting Officer may at any time by written order:

(a) Delete, supersede, or revise, in whole or in part, data listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable; or

(b) Add Items of data or information to NAVSEA Form 4340/2 or Schedule C, as applicable; or

(c) Establish or revise due dates for Items of data or information in NAVSEA Form 4340/2 or Schedule C, as applicable.

(2) If any action taken by the Contracting Officer pursuant to subparagraph c.(1) immediately above causes an increase or decrease in the costs of, or the time required for, performance of any part of the work under this contract, an equitable adjustment shall be made in the contract amount and delivery schedule in accordance with the procedures provide for in the "CHANGES" clause of this contract.

#### UPDATING SPECIFICATIONS AND STANDARDS (NAVSEA) (AUG 1994)

If, during the performance of this or any other contract, the Contractor believes that any contract contains outdated or different versions of any specifications or standards, the Contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit or function of any deliverable item or increase the cost/price of the item to the Government. The Contractor should submit update requests to the Procuring Contracting Officer with copies to the Administrative Contracting Officer and cognizant program office representative for approval. The Contractor shall perform the contract in accordance with the existing specifications and standards until notified of approval/disapproval by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.