

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE U	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 77	3. EFFECTIVE DATE 19-Jan-2012	4. REQUISITION/PURCHASE REQ. NO. Various	5. PROJECT NO. (If applicable) N/A	
6. ISSUED BY NSWC, CRANE DIVISION 300 Highway 361 - Building 64 Crane IN 47522-5001 kimberly.mallard@navy.mil 951-273-5297	CODE N00164	7. ADMINISTERED BY (If other than Item 6) DCMA Baltimore 217 EAST REDWOOD STREET, SUITE 1800 BALTIMORE MD 21202-5299		CODE S2101A

NSWC, CRANE DIVISION
300 Highway 361 - Building 64
Crane IN 47522-5001
kimberly.mallard@navy.mil 951-273-5297

DCMA Baltimore
217 EAST REDWOOD STREET, SUITE 1800
BALTIMORE MD 21202-5299

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Computer Sciences Corporation 1201 M. Street SE, Suite 400 Washington DC 20003	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4030-FC02
	10B. DATED (SEE ITEM 13) 15-Mar-2007
CAGE CODE 8X463	FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
(c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input checked="" type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return ___ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Richard L McGarvey, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY /s/Richard L McGarvey (Signature of Contracting Officer)	16C. DATE SIGNED 19-Jan-2012
(Signature of person authorized to sign)			

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 2 of 2	FINAL
----------------------------------	----------------------------	----------------------------------	----------------	-------

GENERAL INFORMATION

The purpose of this modification is to revise the LOA on SLIN 120344. Accordingly, said Task Order is modified as follows: A conformed copy of this Task Order is attached to this modification for informational purposes only.

The Line of Accounting information is hereby changed as follows:

120344:

From: WD WD 1781804 70BA 000 40628 0 068688 2D X4S003 FT320TSB8329

To: ZU ZU 97X4930 NH1M 000 77777 0 064267 2F 000000 FT320TSB8329

The total amount of funds obligated to the task is hereby increased from by
to

The total value of the order is hereby increased from by to

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 1 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	Supplies/Services	Qty	Unit	Est.Cost	Base Fee	Award Fee	CPAF
1000	Remaining ceiling-year 1 9-2-05 - 9-1-06 (OTHER)						
100001							
1100	Yr 2 (OTHER)						
110001	(OTHER)						
110002	ST 25 (OTHER)						
110003	ST 25 (OTHER)						
110004	ST 05 (OTHER)						
110005	ST 25 (OTHER)						
110006	ST 25 (OTHER)						
110007	ST 25 (OTHER)						
110008	ST 14 (OTHER)						
110009	ST 9 (OTHER)						
110010	ST 4 (OTHER)						
110011	ST 14 (OTHER)						
110012	ST 25 (OTHER)						
110013	ST 07 (OTHER)						
110014	ST 14 (OTHER)						
110015	ST 07 (OTHER)						
110016	ST 07 (OTHER)						
110017	ST 07 (OTHER)						
110018	ST 18 (OTHER)						
110019	ST 22 (OTHER)						
110020	st 25 (OTHER)						
110021	ST 04 (OTHER)						
110022	ST 25 (OTHER)						
110023	ST 9 (OTHER)						
110024	ST 10 (OTHER)						
110025	ST 10 (OTHER)						
110026	ST 10 (OTHER)						
110027	ST 10 (OTHER)						
110028	ST 19 (OTHER)						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 2 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110029 ST 19 (OTHER)
110030 ST 19 (OTHER)
110031 ST 09 (OTHER)
110032 ST 9 (OTHER)
110033 ST 17 (OTHER)
110034 ST 19 (OTHER)
110035 ST 19 (OTHER)
110036 ST 19 (OTHER)
110037 26 (OTHER)
110038 10 (OTHER)
110039 09 (OTHER)
110040 10 (OTHER)
110041 10 (OTHER)
110042 10 (OTHER)
110043 25 (OTHER)
110044 10 (OTHER)
110045 07 (OTHER)
110046 13 (OTHER)
110047 13 (OTHER)
110048 13 (OTHER)
110049 13 (OTHER)
110050 10 (OTHER)
110051 10 (OTHER)
110052 10 (OTHER)
110053 11 (OTHER)
110054 05 (OTHER)
110055 05 (OTHER)
110056 04 (OTHER)
110057 10 (OTHER)
110058 10 (OTHER)
110059 10 (OTHER)
110060 20 (OTHER)
110061 20 (OTHER)
110062 11 (OTHER)
110063 25 (OTHER)
110064 10 (OTHER)
110065 23 (OTHER)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 3 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110066 19 (OTHER)
110067 19 (OTHER)
110068 14 (OTHER)
110069 14 (OTHER)
110070 14 (OTHER)
110071 14 (OTHER)
110072 14 (OTHER)
110073 14 (OTHER)
110074 14 (OTHER)
110075 14 (OTHER)
110076 14 (OTHER)
110077 14 (OTHER)
110078 14 (OTHER)
110079 14 (OTHER)
110080 18 (OTHER)
110081 18 (OTHER)
110082 25 (OTHER)
110083 17 (OTHER)
110084 19 (OTHER)
110085 19 (OTHER)
110086 19 (OTHER)
110087 19 (OTHER)
110088 14 (OTHER)
110089 25 (OTHER)
110090 09 (OTHER)
110091 09 (OTHER)
110092 09 (OTHER)
110093 09 (OTHER)
110094 09 (OTHER)
110095 09 (OTHER)
110096 14 (OTHER)
110097 09 (OTHER)
110098 16 (OTHER)
110099 19 (OTHER)
1101 Incremental
Funding year 2
(O&MN,N)
110101 Subtask 01

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 4 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(O&MN, N)

110102 14 (O&MN, N)
110103 14 (O&MN, N)
110104 14 (O&MN, N)
110105 14 (O&MN, N)
110106 09 (O&MN, N)
110107 07 (O&MN, N)
110108 19 (O&MN, N)
110109 05 (O&MN, N)
110110 09 (O&MN, N)
110111 09 (O&MN, N)
110112 20 (O&MN, N)
110113 20 (O&MN, N)
110114 20 (O&MN, N)
110115 10 (O&MN, N)
110116 18 (O&MN, N)
110117 14 (O&MN, N)
110118 04 (O&MN, N)
110119 17 (O&MN, N)
110120 05 (O&MN, N)
110121 07 (O&MN, N)
110122 14 (O&MN, N)
110123 14 (O&MN, N)
110124 14 (O&MN, N)
110125 14 (O&MN, N)
110126 07 (O&MN, N)
110127 14 (O&MN, N)
110128 14 (O&MN, N)
110129 14 (O&MN, N)
110130 14 (O&MN, N)
110131 11 (O&MN, N)
110132 13 (O&MN, N)
110133 13 (O&MN, N)
110134 13 (O&MN, N)
110135 10 (O&MN, N)
110136 10 (O&MN, N)
110137 10 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 5 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110138 13 (O&MN, N)
110139 26 (O&MN, N)
110140 13 (O&MN, N)
110141 13 (O&MN, N)
110142 09 (O&MN, N)
110143 02 (O&MN, N)
110144 09 (O&MN, N)
110145 10 (O&MN, N)
110146 10 (O&MN, N)
110147 07 (O&MN, N)
110148 07 (O&MN, N)
110149 09 (O&MN, N)
110150 09 (O&MN, N)
110151 09 (O&MN, N)
110152 09 (O&MN, N)
110153 15 (O&MN, N)
110154 15 (O&MN, N)
110155 07 (O&MN, N)
110156 14 (O&MN, N)
110157 26 (O&MN, N)
110158 14 (O&MN, N)
110159 25 (O&MN, N)
110160 10 (O&MN, N)
110161 10 (O&MN, N)
110162 10 (O&MN, N)
110163 17 (O&MN, N)
110164 17 (O&MN, N)
110165 17 (O&MN, N)
110166 17 (O&MN, N)
110167 17 (O&MN, N)
110168 17 (O&MN, N)
110169 19 (O&MN, N)
110170 19 (O&MN, N)
110171 17 (O&MN, N)
110172 17 (O&MN, N)
110173 17 (O&MN, N)
110174 17 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 6 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110175 17 (O&MN, N)
110176 19 (O&MN, N)
110177 17 (O&MN, N)
110178 09 (O&MN, N)
110179 14 (O&MN, N)
110180 14 (O&MN, N)
110181 09 (O&MN, N)
110182 09 (O&MN, N)
110183 14 (O&MN, N)
110184 14 (O&MN, N)
110185 09 (O&MN, N)
110186 09 (O&MN, N)
110187 04 (O&MN, N)
110188 28 (O&MN, N)
110189 10 (O&MN, N)
110190 10 (O&MN, N)
110191 10 (O&MN, N)
110192 14 (O&MN, N)
110193 11 (O&MN, N)
110194 10 (O&MN, N)
110195 28 (O&MN, N)
110196 6 (O&MN, N)
110197 10 (O&MN, N)
1102 FUNDING YEAR 2
(O&MN, N)
110201 04 (O&MN, N)
110202 19 (O&MN, N)
110203 10 (O&MN, N)
110204 06 (O&MN, N)
110205 25 (O&MN, N)
110206 14 (O&MN, N)
110207 11 (O&MN, N)
110208 14 (O&MN, N)
110209 10 (O&MN, N)
110210 05 (O&MN, N)
110211 17 (O&MN, N)
110212 19 (O&MN, N)
110213 17 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 7 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110214 19 (O&MN, N)
110215 19 (O&MN, N)
110216 17 (O&MN, N)
110217 14 (O&MN, N)
110218 10 (O&MN, N)
110219 11 (O&MN, N)
110220 25 (O&MN, N)
110221 09 (O&MN, N)
110222 13 (O&MN, N)
110223 09 (O&MN, N)
110224 13 (O&MN, N)
110225 07 (O&MN, N)
110226 10 (O&MN, N)
110227 10 (O&MN, N)
110228 22 (O&MN, N)
110229 10 (O&MN, N)
110230 20 (O&MN, N)
110231 20 (O&MN, N)
110232 20 (O&MN, N)
110233 05 (O&MN, N)
110234 20 (O&MN, N)
110235 10 (O&MN, N)
110236 09 (O&MN, N)
110237 10 (O&MN, N)
110238 04 (O&MN, N)
110239 02 (O&MN, N)
110240 02 (O&MN, N)
110241 02 (O&MN, N)
110242 02 (O&MN, N)
110243 02 (O&MN, N)
110244 02 (O&MN, N)
110245 02 (O&MN, N)
110246 02 (O&MN, N)
110247 19 (O&MN, N)
110248 17 (O&MN, N)
110249 14 (O&MN, N)
110250 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 8 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

110251 (O&MN,N)
110252 (O&MN,N)
110253 (O&MN,N)
110254 (O&MN,N)
110255 (O&MN,N)
110256 (O&MN,N)
110257 (O&MN,N)
110258 (O&MN,N)
1200 year 3 (OTHER)
120001 09 (OTHER)
120002 14 (OTHER)
120003 14 (OTHER)
120004 19 (OTHER)
120005 14 (OTHER)
120006 10 (OTHER)
120007 10 (OTHER)
120008 09 (OTHER)
120009 19 (OTHER)
120010 10 (OTHER)
120011 25 (OTHER)
120012 20 (OTHER)
120013 14 (OTHER)
120014 14 (OTHER)
120015 14 (OTHER)
120016 14 (OTHER)
120017 19 (OTHER)
120018 19 (OTHER)
120019 17 (OTHER)
120020 17 (OTHER)
120021 19 (OTHER)
120022 14 (OTHER)
120023 14 (OTHER)
120024 14 (OTHER)
120025 14 (OTHER)
120026 14 (OTHER)
120027 18 (OTHER)
120028 25 (OTHER)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 9 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

120029 09 (OTHER)
120030 09 (OTHER)
120031 09 (OTHER)
120032 09 (OTHER)
120033 09 (OTHER)
120034 28 (OTHER)
120035 16 (OTHER)
120036 10 (OTHER)
120037 24 (OTHER)
120038 24 (OTHER)
120039 18 (OTHER)
120040 18 (OTHER)
120041 18 (OTHER)
120042 06 (OTHER)
120043 09 (OTHER)
120044 10 (OTHER)
120045 28 (OTHER)
120046 25 (OTHER)
120047 25 (OTHER)
120048 25 (OTHER)
120049 02 (OTHER)
120050 02 (OTHER)
120051 25 (OTHER)
120052 11 (OTHER)
120053 18 (OTHER)
120054 10 (OTHER)
120055 10 (OTHER)
120056 10 (OTHER)
120057 19 (OTHER)
120058 10 (OTHER)
120059 05 (OTHER)
120060 07 (OTHER)
120061 10 (OTHER)
120062 25 (OTHER)
120063 25 (OTHER)
120064 09 (OTHER)
120065 25 (OTHER)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 10 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120066 25 (OTHER)
120067 9 (OTHER)
120068 25 (OTHER)
120069 25 (OTHER)
120070 25 (OTHER)
120071 09 (OTHER)
120072 09 (OTHER)
120073 19 (OTHER)
120074 09 (OTHER)
120075 09 (OTHER)
120076 02 (OTHER)
120077 22 (OTHER)
120078 02 (OTHER)
120079 26 (OTHER)
120080 26 (OTHER)
120081 26 (OTHER)
120082 25 (OTHER)
120083 26 (OTHER)
120084 26 (OTHER)
120085 26 (OTHER)
120086 26 (OTHER)
120087 04 (OTHER)
120088 11 (OTHER)
120089 15 (OTHER)
120090 15 (OTHER)
120091 10 (OTHER)
120092 10 (OTHER)
120093 10 (OTHER)
120094 07 (OTHER)
120095 05 (OTHER)
120096 10 (OTHER)
120097 01 (OTHER)
120098 03 (OTHER)
1201 YEAR 3 (O&MN,N)
120101 13 (O&MN,N)
120102 13 (O&MN,N)
120103 13 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 11 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120104 13 (O&MN, N)
120105 07 (O&MN, N)
120106 04 (O&MN, N)
120107 19 (O&MN, N)
120108 17 (O&MN, N)
120109 19 (O&MN, N)
120110 19 (O&MN, N)
120111 17 (O&MN, N)
120112 17 (O&MN, N)
120113 17 (O&MN, N)
120114 20 (O&MN, N)
120115 25 (O&MN, N)
120116 14 (O&MN, N)
120117 14 (O&MN, N)
120118 14 (O&MN, N)
120119 14 (O&MN, N)
120120 14 (O&MN, N)
120121 14 (O&MN, N)
120122 14 (O&MN, N)
120123 25 (O&MN, N)
120124 09 (O&MN, N)
120125 03 (O&MN, N)
120126 09 (O&MN, N)
120127 10 (O&MN, N)
120128 10 (O&MN, N)
120129 10 (O&MN, N)
120130 06 (O&MN, N)
120131 11 (O&MN, N)
120132 09 (O&MN, N)
120133 10 (O&MN, N)
120134 10 (O&MN, N)
120135 10 (O&MN, N)
120136 20 (O&MN, N)
120137 20 (O&MN, N)
120138 04 (O&MN, N)
120139 05 (O&MN, N)
120140 17 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 12 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120141 19 (O&MN, N)
120142 17 (O&MN, N)
120143 17 (O&MN, N)
120144 17 (O&MN, N)
120145 17 (O&MN, N)
120146 09 (O&MN, N)
120147 09 (O&MN, N)
120148 09 (O&MN, N)
120149 19 (O&MN, N)
120150 10 (O&MN, N)
120151 10 (O&MN, N)
120152 10 (O&MN, N)
120153 24 (O&MN, N)
120154 25 (O&MN, N)
120155 23 (O&MN, N)
120156 24 (O&MN, N)
120157 10 (O&MN, N)
120158 10 (O&MN, N)
120159 04 (O&MN, N)
120160 10 (O&MN, N)
120161 09 (O&MN, N)
120162 14 (O&MN, N)
120163 14 (O&MN, N)
120164 14 (O&MN, N)
120165 14 (O&MN, N)
120166 14 (O&MN, N)
120167 13 (O&MN, N)
120168 14 (O&MN, N)
120169 14 (O&MN, N)
120170 10 (O&MN, N)
120171 10 (O&MN, N)
120172 10 (O&MN, N)
120173 06 (O&MN, N)
120174 19 (O&MN, N)
120175 07 (O&MN, N)
120176 10 (O&MN, N)
120177 09 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 13 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120178 09 (O&MN, N)
120179 10 (O&MN, N)
120180 07 (O&MN, N)
120181 14 (O&MN, N)
120182 14 (O&MN, N)
120183 25 (O&MN, N)
120184 03 (O&MN, N)
120185 14 (O&MN, N)
120186 14 (O&MN, N)
120187 10 (O&MN, N)
120188 05 (O&MN, N)
120189 16 (O&MN, N)
120190 06 (O&MN, N)
120191 17 (O&MN, N)

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF

1202 Incremental
funding for Yr 3
(O&MN, N)

120201 15 (O&MN, N)
120202 15 (O&MN, N)
120203 15 (O&MN, N)
120204 10 (O&MN, N)
120205 19 (O&MN, N)
120206 17 (O&MN, N)
120207 19 (O&MN, N)
120208 17 (O&MN, N)
120209 19 (O&MN, N)
120210 17 (O&MN, N)
120211 18 (O&MN, N)
120212 14 (O&MN, N)
120213 14 (O&MN, N)
120214 10 (O&MN, N)
120215 05 (O&MN, N)
120216 02 (O&MN, N)
120217 18 (O&MN, N)
120218 20 (O&MN, N)
120219 18 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 14 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120220 10 (O&MN, N)
120221 10 (O&MN, N)
120222 14 (O&MN, N)
120223 14 (O&MN, N)
120224 10 (O&MN, N)
120225 09 (O&MN, N)
120226 09 (O&MN, N)
120227 09 (O&MN, N)
120228 09 (O&MN, N)
120229 09 (O&MN, N)
120230 11 (O&MN, N)
120231 10 (O&MN, N)
120232 13 (O&MN, N)
120233 18 (O&MN, N)
120234 06 (O&MN, N)
120235 13 (O&MN, N)
120236 13 (O&MN, N)
120237 04 (O&MN, N)
120238 09 (O&MN, N)
120239 13 (O&MN, N)
120240 25 (O&MN, N)
120241 13 (O&MN, N)
120242 13 (O&MN, N)
120243 10 (O&MN, N)
120244 07 (O&MN, N)
120245 25 (O&MN, N)
120246 14 (O&MN, N)
120247 14 (O&MN, N)
120248 14 (O&MN, N)
120249 14 (O&MN, N)
120250 10 (O&MN, N)
120251 14 (O&MN, N)
120252 13 (O&MN, N)
120253 17 (O&MN, N)
120254 09 (O&MN, N)
120255 14 (O&MN, N)
120256 14 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 15 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120257 14 (O&MN, N)
120258 10 (O&MN, N)
120259 19 (O&MN, N)
120260 19 (O&MN, N)
120261 17 (O&MN, N)
120262 19 (O&MN, N)
120263 19 (O&MN, N)
120264 19 (O&MN, N)
120265 09 (O&MN, N)
120266 09 (O&MN, N)
120267 14 (O&MN, N)
120268 19 (O&MN, N)
120269 09 (O&MN, N)
120270 17 (O&MN, N)
120271 19 (O&MN, N)
120272 10 (O&MN, N)
120273 09 (O&MN, N)
120274 20 (O&MN, N)
120275 09 (O&MN, N)
120276 14 (O&MN, N)
120277 11 (O&MN, N)
120278 10 (O&MN, N)
120279 10 (O&MN, N)
120280 11 (O&MN, N)
120281 10 (O&MN, N)
120282 9 (O&MN, N)
120283 14 (O&MN, N)
120284 10 (O&MN, N)
120285 10 (O&MN, N)
120286 10 (O&MN, N)
120287 10 (O&MN, N)
120288 10 (O&MN, N)
120289 10 (O&MN, N)
120290 10 (O&MN, N)
120291 10 (O&MN, N)
120292 5 (O&MN, N)
120293 28 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 16 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120294 10 (O&MN,N)
120295 22 (O&MN,N)
120296 5 (O&MN,N)
120297 20 (O&MN,N)
120298 20 (O&MN,N)
120299 10 (O&MN,N)
1203 Incremental
funding for Yr 3
(O&MN,N)
120301 25 (O&MN,N)
120302 10 (O&MN,N)
120303 07 (O&MN,N)
120304 11 (O&MN,N)
120305 10 (O&MN,N)
120306 10 (O&MN,N)
120307 10 (O&MN,N)
120308 10 (O&MN,N)
120309 09 (O&MN,N)
120310 09 (O&MN,N)
120311 14 (O&MN,N)
120312 14 (O&MN,N)
120313 10 (O&MN,N)
120314 10 (O&MN,N)
120315 16 (O&MN,N)
120316 25 (O&MN,N)
120317 25 (O&MN,N)
120318 17 (O&MN,N)
120319 19 (O&MN,N)
120320 20 (O&MN,N)
120321 06 (O&MN,N)
120322 25 (O&MN,N)
120323 14 (O&MN,N)
120324 09 (O&MN,N)
120325 14 (O&MN,N)
120326 14 (O&MN,N)
120327 17 (O&MN,N)
120328 09 (O&MN,N)
120329 28 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 17 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120330 09 (O&MN, N)
120331 14 (O&MN, N)
120332 14 (O&MN, N)
120333 14 (O&MN, N)
120334 10 (O&MN, N)
120335 14 (O&MN, N)
120336 10 (O&MN, N)
120337 19 (O&MN, N)
120338 19 (O&MN, N)
120339 17 (O&MN, N)
120340 17 (O&MN, N)
120341 14 (O&MN, N)
120342 14 (O&MN, N)
120343 25 (O&MN, N)
120344 25 (O&MN, N)
120345 14 (O&MN, N)
120346 10 (O&MN, N)
120347 17 (O&MN, N)
120348 14 (O&MN, N)
120349 14 (O&MN, N)
120350 19 (O&MN, N)
120351 14 (O&MN, N)
120352 14 (O&MN, N)
120353 25 (O&MN, N)
120354 09 (O&MN, N)
120355 18 (O&MN, N)
120356 18 (O&MN, N)
120357 18 (O&MN, N)
120358 18 (O&MN, N)
120359 14 (O&MN, N)
120360 14 (O&MN, N)
120361 14 (O&MN, N)
120362 09 (O&MN, N)
120363 13 (O&MN, N)
120364 14 (O&MN, N)
120365 14 (O&MN, N)
120366 14 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 18 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

120367 14 (O&MN,N)

120368 14 (O&MN,N)

120369 09 (O&MN,N)

120370 (O&MN,N)

Item	Supplies/Services	Qty	Unit	Est.Cost	Base Fee	Award Fee	CPAF
------	-------------------	-----	------	----------	----------	-----------	------

1300 Year 4 (OTHER)

1500 AWARD FEE CLIN
(OTHER)

150001 Yr 2 - 2nd Qtr
(OTHER)

150002 Yr 2 - 3rd Qtr
(OTHER)

150003 Yr 2 - 4th Qtr
(OTHER)

150004 Yr 3 - 1st Qtr
(OTHER)

For ODC Items:

Item	Supplies/Services	Qty	Unit	Est. Cost
------	-------------------	-----	------	-----------

3000 Remaining
ceiling-year 1
9-2-05 - 9-1-06
(OTHER)

3100 ODCS Yr 2
(O&MN,N)

310001 ST 014 (O&MN,N)

310002 ST 14 (O&MN,N)

310003 ST 09 (O&MN,N)

310004 ST 14 (O&MN,N)

310005 ST 02 (O&MN,N)

310006 ST 02 (O&MN,N)

310007 st 06 (O&MN,N)

310008 ST 14 (O&MN,N)

310009 ST 14 (O&MN,N)

310010 ST 18 (O&MN,N)

310011 ST 05 (O&MN,N)

310012 03 (O&MN,N)

310013 18 (O&MN,N)

310014 15 (O&MN,N)

310015 15 (O&MN,N)

310016 10 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 19 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

310017 ST 25 (O&MN,N)
310018 28 (O&MN,N)
310019 ST 02 (O&MN,N)
310020 ST 02 (O&MN,N)
310021 9 (O&MN,N)
310022 10 (O&MN,N)
310023 10 (O&MN,N)
310024 19 (O&MN,N)
310025 19 (O&MN,N)
310026 19 (O&MN,N)
310027 19 (O&MN,N)
310028 19 (O&MN,N)
310029 17 (O&MN,N)
310030 25 (O&MN,N)
310031 19 (O&MN,N)
310032 08 (O&MN,N)
310033 19 (O&MN,N)
310034 09 (O&MN,N)
310035 15 (O&MN,N)
310036 10 (O&MN,N)
310037 10 (O&MN,N)
310038 10 (O&MN,N)
310039 07 (O&MN,N)
310040 06 (O&MN,N)
310041 11 (O&MN,N)
310042 07 (O&MN,N)
310043 10 (O&MN,N)
310044 10 (O&MN,N)
310045 11 (O&MN,N)
310046 19 (O&MN,N)
310047 19 (O&MN,N)
310048 14 (O&MN,N)
310049 14 (O&MN,N)
310050 14 (O&MN,N)
310051 14 (O&MN,N)
310052 14 (O&MN,N)
310053 14 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 20 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

310054 14 (O&MN,N)
310055 14 (O&MN,N)
310056 14 (O&MN,N)
310057 14 (O&MN,N)
310058 19 (O&MN,N)
310059 09 (O&MN,N)
310060 19 (O&MN,N)
310061 19 (O&MN,N)
310062 17 (O&MN,N)
310063 17 (O&MN,N)
310064 14 (O&MN,N)
310065 24 (O&MN,N)
310067 19 (O&MN,N)
310068 09 (O&MN,N)
310069 14 (O&MN,N)
310070 14 (O&MN,N)
310071 14 (O&MN,N)
310072 19 (O&MN,N)
310073 09 (O&MN,N)
310074 19 (O&MN,N)
310075 19 (O&MN,N)
310076 19 (O&MN,N)
310077 ST 19 (O&MN,N)
310078 05 (O&MN,N)
310079 19 (O&MN,N)
310080 10 (O&MN,N)
310081 10 (O&MN,N)
310082 10 (O&MN,N)
310083 10 (O&MN,N)
310084 14 (O&MN,N)
310085 20 (O&MN,N)
310086 14 (O&MN,N)
310087 9 (O&MN,N)
310088 9 (O&MN,N)
310089 11 (O&MN,N)
310090 06 (O&MN,N)
310091 06 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 21 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

310092 06 (O&MN, N)
310093 14 (O&MN, N)
310094 14 (O&MN, N)
310095 14 (O&MN, N)
310096 06 (O&MN, N)
310097 06 (O&MN, N)
310098 19 (O&MN, N)
310099 19 (O&MN, N)
3101 Funding for year
2 (O&MN, N)
310101 13 (O&MN, N)
310102 13 (O&MN, N)
310103 13 (O&MN, N)
310104 13 (O&MN, N)
310105 13 (O&MN, N)
310106 13 (O&MN, N)
310107 02 (O&MN, N)
310108 10 (O&MN, N)
310109 10 (O&MN, N)
310110 25 (O&MN, N)
310111 25 (O&MN, N)
310112 07 (O&MN, N)
310113 26 (O&MN, N)
310114 25 (O&MN, N)
310115 15 (O&MN, N)
310116 15 (O&MN, N)
310117 09 (O&MN, N)
310118 02 (O&MN, N)
310119 14 (O&MN, N)
310120 10 (O&MN, N)
310121 10 (O&MN, N)
310122 10 (O&MN, N)
310123 10 (O&MN, N)
310124 19 (O&MN, N)
310125 09 (O&MN, N)
310126 17 (O&MN, N)
310127 17 (O&MN, N)
310128 19 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 22 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

310129 17 (O&MN, N)
310130 19 (O&MN, N)
310131 19 (O&MN, N)
310132 19 (O&MN, N)
310133 19 (O&MN, N)
310134 19 (O&MN, N)
310135 14 (O&MN, N)
310136 14 (O&MN, N)
310137 09 (O&MN, N)
310138 09 (O&MN, N)
310139 14 (O&MN, N)
310140 14 (O&MN, N)
310141 10 (O&MN, N)
310142 28 (O&MN, N)
310143 14 (O&MN, N)
310144 10 (O&MN, N)
310145 10 (O&MN, N)
310146 19 (O&MN, N)
310147 19 (O&MN, N)
310148 19 (O&MN, N)
310149 25 (O&MN, N)
310150 14 (O&MN, N)
310151 06 (O&MN, N)
310152 14 (O&MN, N)
310153 19 (O&MN, N)
310154 14 (O&MN, N)
310155 10 (O&MN, N)
310156 28 (O&MN, N)
310157 10 (O&MN, N)
310158 10 (O&MN, N)
310159 15 (O&MN, N)
310160 15 (O&MN, N)
310161 04 (O&MN, N)
310162 19 (O&MN, N)
310163 17 (O&MN, N)
310164 19 (O&MN, N)
310165 04 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 23 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

310166 14 (O&MN, N)
310167 10 (O&MN, N)
310168 10 (O&MN, N)
310169 19 (O&MN, N)
310170 25 (O&MN, N)
310171 10 (O&MN, N)
310172 25 (O&MN, N)
310173 25 (O&MN, N)
310174 10 (O&MN, N)
310175 13 (O&MN, N)
310176 13 (O&MN, N)
310177 13 (O&MN, N)
310178 07 (O&MN, N)
310179 10 (O&MN, N)
310180 03 (O&MN, N)
310181 09 (O&MN, N)
310182 09 (O&MN, N)
310183 09 (O&MN, N)
310184 10 (O&MN, N)
310185 10 (O&MN, N)
310186 25 (O&MN, N)
310187 03 (O&MN, N)
310188 10 (O&MN, N)
310189 22 (O&MN, N)
310190 19 (O&MN, N)
310191 17 (O&MN, N)
310192 07 (O&MN, N)
310193 18 (O&MN, N)
310194 19 (O&MN, N)
310195 14 (O&MN, N)
3200 year 3 (O&MN, N)
320001 14 (O&MN, N)
320002 14 (O&MN, N)
320003 10 (O&MN, N)
320004 19 (O&MN, N)
320005 14 (O&MN, N)
320006 09 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 24 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320007 05 (O&MN, N)
320008 07 (O&MN, N)
320009 07 (O&MN, N)
320010 17 (O&MN, N)
320011 19 (O&MN, N)
320012 17 (O&MN, N)
320013 17 (O&MN, N)
320014 19 (O&MN, N)
320015 14 (O&MN, N)
320016 14 (O&MN, N)
320017 14 (O&MN, N)
320018 14 (O&MN, N)
320019 14 (O&MN, N)
320020 19 (O&MN, N)
320021 14 (O&MN, N)
320022 15 (O&MN, N)
320023 06 (O&MN, N)
320024 25 (O&MN, N)
320025 28 (O&MN, N)
320026 25 (O&MN, N)
320027 25 (O&MN, N)
320028 28 (O&MN, N)
320029 10 (O&MN, N)
320030 25 (O&MN, N)
320031 09 (O&MN, N)
320032 10 (O&MN, N)
320033 06 (O&MN, N)
320034 15 (O&MN, N)
320035 16 (O&MN, N)
320036 16 (O&MN, N)
320037 16 (O&MN, N)
320038 16 (O&MN, N)
320040 14 (O&MN, N)
320041 10 (O&MN, N)
320042 19 (O&MN, N)
320043 25 (O&MN, N)
320044 2 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 25 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320045 25 (O&MN, N)
320046 10 (O&MN, N)
320047 25 (O&MN, N)
320048 09 (O&MN, N)
320049 25 (O&MN, N)
320050 25 (O&MN, N)
320051 25 (O&MN, N)
320052 09 (O&MN, N)
320053 09 (O&MN, N)
320054 09 (O&MN, N)
320055 09 (O&MN, N)
320056 19 (O&MN, N)
320057 22 (O&MN, N)
320058 02 (O&MN, N)
320059 02 (O&MN, N)
320060 04 (O&MN, N)
320061 11 (O&MN, N)
320062 15 (O&MN, N)
320063 15 (O&MN, N)
320064 25 (O&MN, N)
320065 10 (O&MN, N)
320066 14 (O&MN, N)
320067 02 (O&MN, N)
320068 03 (O&MN, N)
320069 06 (O&MN, N)
320070 28 (O&MN, N)
320071 28 (O&MN, N)
320072 17 (O&MN, N)
320073 17 (O&MN, N)
320074 17 (O&MN, N)
320075 19 (O&MN, N)
320076 19 (O&MN, N)
320077 19 (O&MN, N)
320078 19 (O&MN, N)
320079 19 (O&MN, N)
320080 14 (O&MN, N)
320081 14 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 26 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320082 14 (O&MN, N)
320083 25 (O&MN, N)
320084 25 (O&MN, N)
320085 09 (O&MN, N)
320086 14 (O&MN, N)
320087 11 (O&MN, N)
320088 09 (O&MN, N)
320089 20 (O&MN, N)
320090 10 (O&MN, N)
320091 25 (O&MN, N)
320092 09 (O&MN, N)
320093 09 (O&MN, N)
320094 19 (O&MN, N)
320095 17 (O&MN, N)
320096 07 (O&MN, N)
320097 10 (O&MN, N)
320098 10 (O&MN, N)
320099 24 (O&MN, N)
3201 Funding for year
3 (O&MN, N)
320101 28 (O&MN, N)
320102 28 (O&MN, N)
320103 10 (O&MN, N)
320104 10 (O&MN, N)
320105 09 (O&MN, N)
320106 28 (O&MN, N)
320107 09 (O&MN, N)
320108 28 (O&MN, N)
320109 15 (O&MN, N)
320110 13 (O&MN, N)
320111 10 (O&MN, N)
320112 19 (O&MN, N)
320113 09 (O&MN, N)
320114 10 (O&MN, N)
320115 03 (O&MN, N)
320116 14 (O&MN, N)
320117 14 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 27 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320118 10 (O&MN, N)
320119 05 (O&MN, N)
320120 03 (O&MN, N)
320121 17 (O&MN, N)
320122 17 (O&MN, N)
320123 19 (O&MN, N)
320124 17 (O&MN, N)
320125 19 (O&MN, N)
320126 17 (O&MN, N)
320127 17 (O&MN, N)
320128 14 (O&MN, N)
320129 14 (O&MN, N)
320130 05 (O&MN, N)
320131 02 (O&MN, N)
320132 18 (O&MN, N)
320133 14 (O&MN, N)
320134 10 (O&MN, N)
320135 28 (O&MN, N)
320136 09 (O&MN, N)
320137 19 (O&MN, N)
320138 19 (O&MN, N)
320139 19 (O&MN, N)
320140 19 (O&MN, N)
320141 25 (O&MN, N)
320142 13 (O&MN, N)
320143 04 (O&MN, N)
320144 06 (O&MN, N)
320145 28 (O&MN, N)
320146 10 (O&MN, N)
320147 13 (O&MN, N)
320148 13 (O&MN, N)
320149 07 (O&MN, N)
320150 10 (O&MN, N)
320151 09 (O&MN, N)
320152 14 (O&MN, N)
320153 19 (O&MN, N)
320154 09 (O&MN, N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 28 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320155 17 (O&MN,N)

320156 19 (O&MN,N)

320157 19 (O&MN,N)

320158 19 (O&MN,N)

320159 19 (O&MN,N)

320160 19 (O&MN,N)

320161 17 (O&MN,N)

320162 17 (O&MN,N)

320163 15 (O&MN,N)

320164 17 (O&MN,N)

320165 09 (O&MN,N)

320166 14 (O&MN,N)

320167 11 (O&MN,N)

320168 10 (O&MN,N)

320169 22 (O&MN,N)

320170 5 (O&MN,N)

320171 10 (O&MN,N)

320172 10 (O&MN,N)

320173 10 (O&MN,N)

320174 07 (O&MN,N)

320175 19 (O&MN,N)

320176 25 (O&MN,N)

320177 09 (O&MN,N)

320178 09 (O&MN,N)

320179 07 (O&MN,N)

320180 28 (O&MN,N)

320181 04 (O&MN,N)

320182 10 (O&MN,N)

320183 10 (O&MN,N)

320184 14 (O&MN,N)

3202 Funding for year
3 (O&MN,N)

320201 ST 9 (O&MN,N)

320202 ST 14 (O&MN,N)

320203 ST 14 (O&MN,N)

320204 ST 14 (O&MN,N)

320205 ST 10 (O&MN,N)

320206 ST 14 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 29 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

320207 ST 10 (O&MN,N)
320208 ST 19 (O&MN,N)
320209 ST 19 (O&MN,N)
320210 ST 17 (O&MN,N)
320211 ST 17 (O&MN,N)
320212 ST 19 (O&MN,N)
320213 ST 9 (O&MN,N)
320214 ST 19 (O&MN,N)
320215 ST 19 (O&MN,N)
320216 ST 9 (O&MN,N)
320217 ST19 (O&MN,N)
320218 ST 17 (O&MN,N)
320219 ST 17 (O&MN,N)
320220 ST 17 (O&MN,N)
320221 14 (O&MN,N)
320222 10 (O&MN,N)
320223 17 (O&MN,N)
320224 14 (O&MN,N)
320225 14 (O&MN,N)
320226 19 (O&MN,N)
320227 19 (O&MN,N)
320228 14 (O&MN,N)
320229 14 (O&MN,N)
320230 14 (O&MN,N)
320231 09 (O&MN,N)
320232 09 (O&MN,N)
320233 13 (O&MN,N)
320234 14 (O&MN,N)
320235 14 (O&MN,N)
320236 14 (O&MN,N)
320237 14 (O&MN,N)
320238 14 (O&MN,N)
320239 06 (O&MN,N)
320240 02 (O&MN,N)
320241 13 (O&MN,N)
320242 14 (O&MN,N)
3300 Year 4 (O&MN,N)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 30 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

For Cost Type Items:

Item	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
4000	Year 5 (OTHER)						

For ODC Items:

Item	Supplies/Services	Qty	Unit	Est. Cost
6000	YEAR 5 ODCS (OTHER)			

(1) Task order type will be cost reimbursement plus award fee.

(2) LIMITATION OF COST OR LIMITATION OF FUNDS LANGUAGE – (5310)

The clause entitled "LIMITATION OF COST" (FAR 52.232 20) or "LIMITATION OF FUNDS" (FAR 52.232 22), as appropriate, shall apply separately and independently to each separately identified estimated cost.

PAYMENTS OF FEE(S) (LEVEL OF EFFORT) (NAVSEA) (MAY 1993) - (5314)

(a) For purposes of this contract, "fee" means "target fee" in cost plus incentive fee type contracts, "base fee" in cost plus award fee type contracts, or "fixed fee" in cost plus fixed fee type contracts for level of effort type contracts.

(b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "FIXED FEE" (FAR 52.216 8) or "INCENTIVE FEE", (FAR 52.216 10), as applicable.

Such payments shall be equal to percent (%) of the allowable cost of each invoice submitted by and payable to the Contractor pursuant to the clause of this contract entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216 7), subject to the withholding terms and conditions of the "FIXED FEE" or "INCENTIVE FEE" clause, as applicable (percentage of fee is based on fee dollars divided by estimated cost dollars, including facilities capital cost of money). Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract. (c) The fee(s) specified in SECTION B, and payment thereof, is subject to adjustment pursuant to paragraph (g) of the special contract

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 31 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

requirement entitled "LEVEL OF EFFORT." If the fee(s) is reduced and the reduced fee(s) is less than the sum of all fee payments made to the Contractor under this contract, the Contractor shall repay the excess amount to the Government. If the final adjusted fee exceeds all fee payments made to the contractor under this contract, the Contractor shall be paid the additional amount, subject to the availability of funds. In no event shall the Government be required to pay the Contractor any amount in excess of the funds obligated under this contract at the time of the discontinuance of work.

(d) Fee(s) withheld pursuant to the terms and conditions of this contract shall not be paid until the contract has been modified to reduce the fee(s) in accordance with the "LEVEL OF EFFORT" special contract requirement, or until the Procuring Contracting Officer has advised the paying office in writing that no fee adjustment is required.

TRAVEL COSTS - ALTERNATE I (NAVSEA) (MAY 2000) – (5315)

(a)(1) Except as otherwise provided herein, the Contractor shall be reimbursed for its reasonable actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs accepted by the cognizant DCAA.

(a)(2) In accordance with Class Deviation 2000-00005, DOD Contractors may choose to use either the FTR rates and definitions for travel, lodging and incidental expenses effective on 31 December 1998 or the current FTR rates and definitions. The Contractor must choose either the 1998 definitions and rates or the current FTR definitions and rates and apply them consistently to all travel while this class deviation, or its successor, is in effect.

(b) Reimbursable travel costs include only that travel performed from the Contractor's facility to the worksite, in and around the worksite, and from the worksite to the Contractor's facility.

(c) Relocation costs and travel costs incident to relocation are allowable to the extent provided in FAR 31.205-35; however, Contracting Officer approval shall be required prior to incurring relocation expenses and travel costs incident to relocation.

(d) The Contractor shall not be reimbursed for the following daily

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 32 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

local travel costs:

(i) travel at U.S. Military Installations where Government

transportation is available;

(ii) travel performed for personal convenience/errands,

including commuting to and from work; and

(iii) travel costs incurred in the replacement of personnel

when such replacement is accomplished for the Contractor's or

employee's convenience.

(End of Text)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 33 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

C.1 BACKGROUND

The Naval Surface Warfare Center (NSWC) Corona Division of the Naval Surface Warfare Center - a Naval Sea Systems Command activity, is the Navy's only independent analysis and assessment center.

The mission of NSWC Corona is "To gauge the war fighting capability of ships and aircraft, from unit to battle group level, by assessing the suitability of design, the performance of equipment and weapons, and the adequacy of training." NSWC Corona executes its mission by:

- Providing impartial evaluations of the Fleet's war fighting capabilities. Operational performance, maintenance, and other data are collected, analyzed, and incorporated with history data to provide: (1) readiness, capability, and availability information to support Fleet operations and improvements in doctrine, tactics, and training; and (2) reliability, maintainability, and quality information to improve design, manufacturing and maintenance processes for weapons, systems, and equipment.
- Providing specialized scientific, engineering, and related technical services and material to support the development, acquisition, operation, and logistics support of weapons, systems, and equipment, and the training of personnel.

This total process approach is directed at providing thorough and objective support to the Navy to maintain its readiness for defending the Nation's interests throughout the world.

NSWC Corona specializes and focuses its efforts in four business directorates: Measurement Science, Performance Assessment, Quality Assessment, and System Engineering. Each directorate's expertise is complementary to the others, facilitating internal teaming to tailor and integrate NSWC Corona's overall services to the needs of each program. This intensely participative and interactive management approach promotes high quality teamwork with other organizations to provide cohesive, effective, and affordable support to Navy, Marine Corps, and other customers in the defense field.

NSWC Corona's workforce encompasses a wide range of disciplines and skills. Scientists, engineers, and analysts are the core of the operation, supported by technical specialists and administrative professionals. This entire team directly supports NSWC Corona's role of providing accurate and unbiased information, systems support, and technology to program offices and the operating forces.

Associated major data bases are used in: evaluating Fleet exercises and weapons firings; forecasting weapons and systems effectiveness; controlling the quality of test equipment and gages; and the exchange of critical defense data among federal agencies and industry. High speed communications with other Navy shore and Fleet components provide the important link between NSWC Corona's services and its customers. NSWC Corona also manages the Navy's measurement science laboratory complex to: advance state of the art in metrology; develop, test and evaluate test and calibration systems and software; and provide a wide range of standards and gage laboratory services to defense agencies and contractors.

The Joint Warfare Assessment Laboratory (JWAL) provides a consolidated secure facility to analyze Fleet readiness and capability during worldwide multi service training exercises. The WAL provides state of the art technology to perform integrated warfare analysis in near real time environments.

A video teleconference facility is available on site to support meetings with the defense community.

Instrumentation, telemetry, and telecommunications systems design and operation services at local and remote sites complete the range of technologies available at NSWC Corona to provide total system support for the

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 34 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

collection, storage and use of a wide range of assessment data.

NSWC Corona maintains nine distinct inherently governmental engineering capabilities. These are: Weapons and Combat Systems Performance Analysis; Fleet Exercise Assessment; Tactical Training Range Engineering; Quality Engineering; Reliability, Maintainability, Availability Assessment; Test Systems Availability Assessment; Metrology Systems Engineering; Weapons Test Engineering; and Information Systems Engineering. NSWC Corona has requested a variety of information systems and operational support from Seaport.

C.2 SCOPE AND OBJECTIVES

The objective of this task order is to provide an instrument for obtaining a variety of technical services in support of the varied and multifaceted mission and functions of the command.

The scope encompasses all activities necessary to provide information technology, technical, engineering, operational, and ancillary services for the entire scope of requirements in Section C.

C.3 STATEMENT OF WORK

NSWC Corona is focused on Baldrige and ISO 9000 based quality programs to maintain the high level of quality required in this tasking. The Contractor shall comply with these standards. It is desirable that the Contractor be ISO 9000 registered for providing support under the provision of engineering and information technology services. The Contractor shall provide technical support services to Seaport on behalf of Seaport's client, Naval Surface Warfare Center Corona, CA (NSWC Corona) as follows.

C.3.1 SPECIFIC TASKS

C.3.1.1 TASK 1 PROJECT MANAGEMENT

C.3.1.1.1 Subtask 1.1 – Orientation Briefing

The Contractor shall participate in an Orientation Briefing, which will not be elaborate, and should not require the Contractor to expend significant resources for preparation for this briefing. The intent of the briefing is to initiate the communication process between the NSWC Corona and the Contractor by introducing key task participants, reviewing communication ground rules, and assure a common understanding of task requirements and objectives for the specific task. The meeting shall occur within one week after award on a date set by the NSWC Corona Technical Point of Contact (TPOC).

C.3.1.1.2 Subtask 1.2 – Program Control

The contractor shall provide progress reports, at intervals prescribed, to the TOM, NSWC Corona TPOC, and other designated Government personnel. These reports shall be in the formats specified and shall provide technical and financial information concerning the status of all work completed and in progress.

Status Reporting

For planning purposes, the contractor should consider an informal weekly status accounting to the NSWC

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 35 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

Corona TPOC with a formal Monthly Status Report at the task order level. The Contractor should expect that performance audits would be conducted on a regular basis for each Task that will inspect planned/reported information against actual functionality of the deliverables. At that time, the Contractor shall demonstrate prototypes and conduct “walk-through” of deliverables.

The Contractor shall provide Monthly Status Reports on the work performed under this Statement of Work. The monthly report shall address progress toward program milestones and performance measures where appropriate. The reports shall address deliverables, accomplishments, progress, delays, schedule change proposals and approvals, problems and issues, staffing issues, projected tasks and deliverables for the following month and task order cost information for work performed. Additional ad-hoc reports addressing specific problems, schedule or personnel change proposals, task change proposals, and other issues that require Government resolution shall be presented.

The Contractor shall provide weekly verbal Task Order Status reports on the work performed under this Task Order. The Contractor shall provide ongoing analysis of trends, cost forecasts, forecasts, and recommendations related to skills and labor category requirements, workload planning, and task management.

Financial Reporting

The contractor shall establish and maintain a financial accounting system, which shall permit automated recovery of contract costs by NSWC Corona Directorate/Cost Center, by Project Element Plan (PEP), and by individual charge numbers within the PEPs. Directorate/Cost Center numbers and PEP numbers will be provided by the government. The contractor shall provide cost information in a format that allows for automated input into NSWC Corona’ financial system.

The contractor shall provide bi-weekly and Monthly Contract Cost Reports to the TOM, NSWC Corona TPOC, Directorates/Cost Centers and NSWC Corona Comptroller. Attachment E – Cost Reporting contains the general template that shall be used for cost reporting. Specific due dates and formats for data elements will be provided after Task Order award. The cost information shall present monthly and cumulative costs, which are broken down as follows:

- By Directorate/Cost Center,
- By PEP,
- By individual charge numbers within the PEPs,
- By subtask,
- By labor category, and
- By resource for each task for the appropriate billing period.

The current period and contract to date costs shall include labor detail to include regular and premium hours and dollars, by labor categories. ODCs shall include item identification description, name of vendor and amount, material handling costs, and total costs.

Security

The contractor shall submit a comprehensive Security Plan that will ensure compliance with the Industrial Security Manual to ensure proper protection of classified data, material, and equipment. The Security Plan shall include the physical security and integrity of spaces, the badging of personnel and personnel access control, physical security orientations and briefings, compliance with Navy security regulations, when housed on Navy property, and the security of exhibit and conference areas at workshops and clinics.

Logistics

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 36 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

The contractor shall establish and provide logistic procedures that will provide for proper purchasing/leasing, receiving, accounting and distribution of all supplies, material, and equipment necessary for the effective and efficient operation of a technical and engineering support service facility. These procedures shall include property and inventory control and accountability. This paragraph pertains to logistics procedures only. It does not authorize the contractor to procure supplies, equipment, or services.

Purchasing

The contractor is not authorized to purchase supplies/services outside those required in direct support of the tasking as identified in the statement of work. Supplies/services required in direct support of the tasking must be approved as direct charges (ODC) by the NSWC Corona Contracting point of contact or the Procuring Contracting Officer prior to the contractor procuring the supplies/services.

C.3.1.2 TASK 2 MATERIAL READINESS DATABASE PROGRAM SUPPORT SERVICES

NSWC Corona is tasked to serve as the U.S. Navy's independent analysis and evaluation agent for selected Surface Combat Systems, Submarine Combat Systems and Hull, Mechanical, and Electrical Systems. This tasking requires analysis of maintenance data collected from the Fleet through various sources. These data sources are verified for accuracy and content and entered into the Readiness Data Base. The Readiness posture of Equipment/Systems are calculated and Readiness Drivers are identified and quantified.

The contractor shall provide technical services for the control, analysis, editing, computer input and processing of readiness data collected for the Reliability, Maintainability, and Availability (RM&A) assessment on in service and prototype systems under development for U.S. Navy Surface Combat Systems, Submarine Combat Systems and Hull, Mechanical, and Electrical Systems.

The contractor support shall include the following types of services:

- Provide all labor necessary to collect, process, edit, verify, and enter Fleet Readiness data into MRDB.
- Develop data quality and productivity measurement standards and provide data quality and productivity reports.
- Support the Material Readiness Assessment Division (QA30) data source quality improvement initiative.
- Develop and implement productivity improvements pertaining to data processing tasking.
- Maintain the Material Readiness Assessment Technical Library, which includes files for current guidelines and procedures, computer input and processing documentation, equipment profiles with assessment criteria, and technical instructions.
- Provide special studies and support readiness requests.
- Maintain classified information on site for availability in developing reports and charts used to identify trends and anomalies in the respective equipment.
- Analysis of MRDB data will include development of RM&A indices, trend charts, and report preparation for respective equipment.
- Review MRDB information on each piece of assigned equipment for technical adequacy and accuracy and ensure that the information contained in the MRDB accurately reflects the status of the equipment prior to analysis and development indices for each respective equipment.
- Participate in data reviews with QA30 analysts and In Service Engineering Agents (ISEA's).
- Provide technical writing and document preparation support for the collection and development of information that will be included in readiness assessment documents and reports.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 37 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

· Deliver Monthly data quality and productivity improvement reports and Monthly database update information as defined in the CNO N86 MRDB February 1998 Technical Instruction.

C.3.1.3 TASK 3 TROUBLE FAILURE REPORT PROGRAM DATA

The Quality Assessment Directorate collects, processes, distributes, analyses and maintains data generated through the Trouble Failure Report (TFR) Program under the sponsorship of the Strategic Systems Programs (SSP). TFR program participants utilize this data in support of Submarine Launched Ballistic Missile Program's mission and objectives.

The contractor shall provide support in the receipt, processing, and distribution of data received in hard copy form and by electronic medium. This support requires key entry personnel to process data received in hardcopy form and personnel to receive and transmit data in electronic form. Support is required for SSP unique projects in the design, development, operation, maintenance, and training of software to generate, receive, move and manipulate raw data through electronic transfer of data. Further support is required in review of corrective action activity status reports, preparation and distribution of advanced corrective action reports, and the verification of data quality input into the database.

The contractor support shall include:

- Receive data, either in hardcopy or electronically, and distribute using the same medium. Transmission of electronic data is on an established daily schedule with no deviation permitted. Distribution of hardcopy TFRs, Trouble Failure Inspection Reports (TFIRRs), Calibration TFRs (CTFRs) and Trouble Failure Repair Reports (TFRRs) shall be accomplished within 24 hours of receipt.
- Data keyentered will be edited and key verified to assure data quality being entered onto the NSWC Corona database platform. The contractor shall perform a daily TFR program data validation check on current entered data and make necessary corrections. The contractor shall provide other TFR program data processing support.
- Maintain an active working file of original hardcopy TFRs to respond to NSWC Corona and TFR program requests for hardcopy information.
- Review all corrective action activity status reports to identify previously reported or minor corrective action responses (Band D Categories). These responses as well as recently received Trouble Failure Report/Corrective Action Report (TFR/CARs) will be distributed as Advanced Corrective Action Reports A/CARs to SSBN Fleet units immediately upon receipt.
- Distribute TFR Program supplies on a predetermined schedule or as requested. Respond to external requests for supplies or data requests.
- Support meetings and conferences.

C.3.1.4 TASK 4 FLEET READINESS SUPPORT SERVICES

NSWC Corona collects, processes, distributes, analyzes and maintains data generated through ship assessment visits, including Combat System Readiness Review (CSRR, also referred to as C5RA). Board of Inspection and Survey (INSURV) Inspections, and Fleet technical assists. Using this type of Navy-wide Fleet data, the "troubled systems" and their associated problems are analyzed and reported through the Trouble Systems Process (TSP) Program.

The contractor shall provide technical services for the control, analysis, editing, and computer input and processing of combat systems data to include the following:

- Provide On Site Documentation Training, Associated Training Materials, and Conference Support.
- Support the preparation, instruction, and update of CSRR documentation training including the Technical

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 38 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

Director (TD) Instructions Guide, TD Handbook, and ADP Operators Guide.

- Review the TD Training Instructors Guide, TD Handbook and ADP Operators Manual quarterly and recommend improvements or required revisions resulting from implementation of approved software, policy, or procedural changes.

- Instruct the TD's and other personnel on all facets of TSP data collection and documentation for all elements of the respective events including data input, manipulation, processing, and reporting. The instruction will include the specifics of data collection including field lengths and correlation to the appropriate file structures, manipulation of data prior to entry and guidelines for conducting each evolution. The training shall consist of the technical documentation training courses for technical personnel: Minimum of one (1) four-hour course per year to be held at designated sites.

- Develop and maintain course material and conduct training in general military and Naval history/terminology, Navy organizational structure, and weapons system configuration as it pertains to the CSRR, TSP, and other readiness programs.

- Perform services to support TSP and related Fleet Readiness technical meetings and program conferences. The services shall include preparation of materials, logistics support, and briefings, presentations for technical conferences, and recording of meetings.

- Support the maintenance of the Master Configuration List (MCL).

- Provide near continuous configuration control of the MCL to reduce and eventually eliminate Non Configuration Data (NCD) items from the MCL and history data files. Official updates will be conducted on a quarterly basis to MCL in accordance with established procedures outlined in the formal MCL change process flow diagrams.

- Develop, Update, Produce, and Distribute CSRR/C5RA/INSURV Schedules and Reports.

- CSRR/C5RA/INSURV Report Reproduction and Distribution. Reproduce and distribute the Ships CSRR/C5RA/INSURV Configuration Report (Green Book), Ships CSRR Test Package (Brown Book) and Combat Systems Trouble System Process (TSP) Report (Red Book) based on the respective distribution lists.

- Provide On Site CSRR/C5RA /INSURV Data Processing Support.

- Perform shipboard data processing support for individual ships undergoing CSRR/C5RAs. Data processing support for each ship shall consist of utilization of the entire CSRR/C5RA data collection software package including but not limited to manipulation of data prior to entry, data input from CSRR/C5RA Maintenance Action Form (MAF's) modification and update of data after input, processing of the data and data reporting, including but not limited to, the daily and final reports. This will be accomplished on pre positioned equipment that the contractor will operate and maintain during the collection and processing of CSRR/C5RA data. Data processing support will be utilized during CSRR/C5RAs occurring in designated locations or underway from these locations.

- Provide On Site CSRR/C5RA/INSURV Data Verification and Validation.

- Perform shipboard review of the CSRR/C5RA/INSURV MAFs on each piece of equipment for technical adequacy and accuracy and shall ensure that the Equipment Operational Capability (EOC) factor accurately reflects the problem statement occurring during the CSRR/C5RA/INSURV.

- Review and structure the MAF information for compatibility with the CSRR/C5RA computer software package, edit and correct the data once the data has been entered in the computer, and use the CSRR/C5RA/INSURV computer software to produce the CSRR/C5RA/INSURV reports, including daily and final reports.

- Provide File Update, Maintenance, and Software Support.

- Update the CSRR/C5RA/INSURV ship historical file after each CSRR/C5RA. The update to the file shall include appending the results of each event to the statistical file including the numerical results of each analysis.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 39 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Provide special studies and support readiness requests.
- Provide Data Quality Evaluations. Review the data quality of technician reporting per the data quality criteria. Data quality reviews will be requested on a ship by ship basis.
- Provide on-site processing, analysis, retrieval and maintenance of INSURV Data. The contractor will maintain classified information on site for availability to NSWC Corona analysts. Data will be hard copy and data files maintained on diskettes.
- Provide technical writing and document preparation support for the collection and development of information that will be included in Fleet Panel, Red Book and Readiness assessment documents and reports.
- Develop Ships Configuration and Test Plans, as requested.
- Maintain the Post Ship Assessment Data File.
- Provide Quality Control of Shipboard Inspected Items.
- Document work on this task in the Monthly Status Reports.

C.3.1.5 TASK 5 MISSILE SYSTEMS ENGINEERING ANALYSIS, INFORMATION AND SUPPORT SERVICES

NSWC Corona is tasked to provide information systems to support pre-flight management and engineering analysis on select Air-launched and Surface-launched missile systems. As part of this effort they are tasked to collect, process, validate, store, provide access to, and analyze data pertaining to Air Launched and Surface Launched missiles, components, sections and canisters. Depending on the missile program involved, these services may cover one or more of the life cycle phases of the missile. The data of consideration include, but not inclusive, event histories, test results, maintenance and repair actions, condition and location of rounds, and components. Analysis products provide indications of missile effectiveness, readiness, availability and quality. Logistics information is an important adjunctive benefit derived from the data collected.

The contractor shall provide data base maintenance services including data collection, data processing, and quality assurance assistance to NSWC Corona. This support will involve extensive data including, but not all-inclusive, missile data, section data, component data, test data, configuration data, location data, hardware movement data, deployment data, repair data, condition code changes, replacement in kind assets and associated canister data. These data will pertain to the various domestic and foreign surface-launched and air-launched missiles. The contractor shall also provide project-related documentation, training and technical support services to NSWC Corona. The Contractor shall accomplish all services, tasks and deliverables to meet customers' needs, expectations, and desires in terms of timeliness, product quality, and cost. The Contractor is encouraged to utilize best industry practice. The government reserves the right to review, request changes, and provide final approval of all contractor services, tasks and deliverables. The contractor support for each missile system database shall include the following:

Data Collection and Processing

- Develop, implement, and maintain internal processes and procedures necessary to effect the collection, processing, conversion, and storage of project-related data.
- Develop, implement, and maintain software used to collect, process, convert, and store (update) data into the project-related databases.

Quality Assurance

- Provide Missile Systems Engineering Quality Assurance (QA) support for all services under this SOW to ensure acceptable quality of these services.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 40 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

· Develop, implement, and maintain internal processes and procedures associated with QA.

· Develop, implement, and maintain software used to accomplish project-related QA functions including data QA.

· Develop, implement, maintain, monitor, and report process metrics. As a minimum process metrics will be maintained to:

§ Ensure the contractor's data collection and processing efforts meet requirements as established in the current revision of the Configuration Control Boards (CCB) document numbers Nwasqa40ccb-0002 and Nwasqa40ccb-0003.

§ Monitor and help focus QA efforts to assure the quality of each project database as established in the current revision of the CCB document numbers Nwasqa40ccb-0002 and Nwasqa40ccb-0003.

Documentation

· Provide documentation support to include developing, reviewing, drafting, maintaining, and providing masters for reference and publication. Documentation primarily falls into two categories as follows:

· Technical documentation to include, but not all-inclusive, instructions, manuals, and forms. Maintenance documents, software source code, process descriptions and diagrams, schemas, and data base dictionaries. These services may require technical writing, technical editing, technical illustrating and drafting/drawing.

· Administrative documents to include but not inclusive reports, spreadsheets, presentations, letters, and memoranda.

Training

· Develop, maintain, and provide training materials in support of data reporting procedures and requirements. This includes training manuals, training aids, and training documentation. These will be in a format reviewed and approved by Nwas.

· Provide instructors and accomplish instructor led training on an as required basis for data reporting procedures and requirements.

Technical Support

· Provide project specific support in determining functional requirements, designing, and developing reports and for information system-related projects.

· Provide copies of source data documents.

· Provide project specific software development support to include software analysis, design, programming, and testing.

· Provide technical assistance for special projects and in the development and preparation of studies and reports.

· Provide membership and participation on CCB and technical evaluation boards.

· Participate in technical working groups and status meetings.

· Identify, research, make recommendations, and apply new technologies to improve services, tasks, and deliverables.

· Research, identify and correct data anomalies, incomplete event histories, and missing support/source

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 41 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

documentation/source data.

- Provide assistance in periodic review and analysis of Project related documents as new versions are released. These documents are necessary to assist in Data Collection and Processing, Data Quality Assurance, Documentation, Training, and Technical Support. Such documents include Navy Instructions, Navy Supplication manuals, Contracts, Missile Documents, Production Planning Requirements, etc.

C.3.1.6 TASK 6 TECHNICAL SERVICES FOR THE GOVERNMENT INDUSTRY DATA EXCHANGE PROGRAM

NSWC, CORONA DIVISION provides program management, document processing, and on line computer data base, and participant liaison support to the Government Industry Data Exchange Program (GIDEP) and all associated programs. This program is a cooperative effort between Government and Industry activities to exchange technical engineering, reliability, metrology, and failure experience information for the purpose of system and component improvement and reduction of costs to Government contracts. This effort is conducted through the centralization of technical reports and electronic distribution of this data via on line computer databases and media distributions.

The contractor shall provide technical engineering and data processing services to the GIDEP Operations Center at NSWC, CORONA DIVISION. Services include, document receipt, control, and distribution; engineering review, coding and abstracting; computer data entry file maintenance and GIDEP participant training and communications support. The contractor support shall include the following:

- Document receipt, control and distribution including transportation of documents (on various media) between NSWC, Corona DIVISION and the contractor processing facility; logging of documents into an on line computer file containing document identification and processing status; maintenance of an inventory and supply of final copy GIDEP documents (in various media) for distribution; and transportation of documents to the U.S. Post Office or NSWC, Corona DIVISION Mail Room for mailing.
- Engineering review, coding, and abstraction to include review code, and abstraction to include review of incoming documents to determine applicability to GIDEP and assignment to appropriate document designer; review of document and encoding of parametric data to a computer data sheet or to on line working files; development of a narrative abstract containing a review of the report content in an engineering context; and processing of notices of potential hardware or safety problems within 24 hours of receipt.
- Computer data entry, to include key entry of document field data and narrative abstracts into a working Data Base Management System (DBMS) resident at the contractor facility; population and correction of the DBMS; retrieval of specific output reports, indices, and listings as specified.
- Support for the GIDEP Operations Facility, including workstations, computer stations, and conference and meeting facilities and associated office space for Operations Center personnel. Also, Provide computer operations center facilities for server and workstation hosting, risk mitigation services to include restricted server access control, network access firewall, conditioned power, air, and fire suppression. Programming and operations support for systems maintenance and network infrastructure.
- GIDEP training and communications support to include Coordination of GIDEP Workshops and Clinics, Site selection coordination for GIDEP Meetings, audio visual equipment for GIDEP clinics seminars and workshops; display equipment for GIDEP Trade Show exhibits, conduct of presentations to GIDEP participants to program requirements and use; communication assistance to GIDEP participants to establish contact and electronically transfer information to NSWC, Corona DIVISION and contractor processing facility; and maintain GIDEP material used to identify, promote, and market the program. Associated Statistical reporting to monitor program operations.
- Develop and deliver the GIDEP Annual Utilization Report
- Develop and deliver the GIDEP Weekly E-Mail and Quarterly Newsletter
- Document work on this task in the Monthly Status Reports.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 42 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

C.3.1.7 TASK 7 QUALITY ENGINEERING AND RISK ASSESSMENT

NWAS is tasked to provide Quality Engineering, Systems Engineering, Reliability Assessment, Risk Assessment, and Modeling and Simulation support to various program sponsors. The task requires a working knowledge of the Defense Systems Acquisition Management Process as well as experience in Mission assurance, Quality, Reliability, and Systems Engineering. We develop product integrity requirements for contracts and assess contractor's implementation. We also evaluate contractor's readiness for transition to production and assign process risk levels. Assessments and evaluations are conducted at contractors' facilities. NWAS maintains a knowledge-sharing database to provide lessons learned and store task related history and research.

The contractor shall provide technical support to develop product integrity requirements, evaluate implementation, and conduct risk assessments. This support shall also provide for necessary research and resource development, as well as information storage. The contractor support shall include the following:

- Develop safety, quality, and mission assurance requirements, plans, procedures, and training materials. Review existing plans, procedures, and contracts for compliance. Support program requirements for safety, quality, and mission assurance training. Support development of safety, quality, and mission assurance database maintaining best practices, lessons learned, process templates, documentation, etc.
- Develop product integrity requirements for Navy systems contracts. Review existing contracts and recommend revisions to outdated requirements.
- Research, develop, and maintain resources for acquisition and systems engineering requirements. Include DoD 5000 series documentation, DSMC material and training, and industry standards. Task includes maintaining electronic and hardcopy files and scanning documentation into electronic files.
- Document work on this task in the Monthly Status Reports.
- Support program requirements for achieving ISO compliance. This includes, procedural development, training, records, pre-assessments, and third party registration.
- Participate in evaluations, risk assessments, and technical reviews. The task shall include documenting results and providing input to final report.
- Assist team in responding to ad hoc requests for task related data, reports, assessments, and evaluations. Develop metrics that measure both contractor and internal program management progress.
- Support Sunset Supply Base Team in processing source documents into Data Collection and Analysis Team required format.)
- Develop WEB graphics for integration into Interactive Electronic Operation and Maintenance Technical Manuals
- Support development of software acquisition, policy, plans, procedures, and processes. Perform software execution assessments and independent verification and validation. Support training in software acquisition capability maturity model integration.. Support development of software acquisition database maintaining software best practices, lessons learned, process templates, documentation, etc.

C.3.1.8 TASK 8 EGYPTIAN QUALITY ASSURANCE AND SAFETY SUPPORT

NWAS is tasked to provide quality and safety engineering and management expertise and analytical support to the Egyptian Ministry of Defense (MOD), Armament Quality Assurance Department (AQAD), military workshops, and factories. This includes the development, implementation, and verification of new policies, procedures, and technical requirements in response to MOD quality and safety improvement initiatives as defined in the Quality Assurance Support Plan (QASP) and Safety and Environmental Support Plan (SESP).

The Contract shall provide quality and safety expertise and analytical support to NWAS. The support includes assisting NWAS in the development, translation, implementation, and verification of policies, procedures, and

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 43 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

technical requirements in response to the QASP and SESP. The contractor support shall include the following:

- The contractor shall assist NWS in developing, translating, and refining a Government Quality Assurance (GQA) system and Safety Program including policies and procedures for technical adequacy, coverage, and consistency.
- The contractor shall assist NWS in developing, reviewing and conducting Quality and safety assessments, training and orientations covering the gamut of government quality assurance and safety disciplines including, but not inclusive, quality and safety policies, quality surveillance methods, mandatory inspections, process proofing and capability, configuration management and change control, nonconforming material control, and waivers and deviations.
- The contractor shall assist NWS in defining and developing a QA and safety technical development program to certify QA and safety personnel in the required commodities and processes.
- The contractor shall assist NWS in developing QA tracking systems to monitor important quality and safety, reliability and other contractual indicators for measuring and determining contractual performance, and effectiveness of the acquisition process.
- The contractor shall assist NWS in conducting factory assessments, quality and safety systems evaluations, surveillance methods, and evaluations for compliance to GQA requirements. Mentor, coach, and teach MOD personnel audit techniques and practices, to include risk assessment methodologies. As requested by NWS, provide QA surveillance of the quality improvements in workshops and factories.
- The contractor shall assist NWS to identify technical and management process improvements, evaluate and develop plans, and implement actions for those processes.
- Document work on this task in the Monthly Status Reports.

C.3.1.9 TASK 9 WEAPON SYSTEMS ANALYSIS SUPPORT SERVICES

NWS collects, processes, analyzes, and maintains a database of information generated during U.S. Navy and FMS weapons systems testing. Performance demonstrated in these tests is evaluated in accordance with standards and criteria approved by the Navy. The systems include but are not limited to; Fleet, and national sensor systems; AFFORDABLE WEAPON, TOMAHAWK, HARPOON, SLAM self defense, STANDARD, RAM, NATO SEASPARROW, Evolved SEASPARROW, and VLS, weapons systems; range surveillance, tracking systems, and range operations exercise control equipment. Associated equipment include sensors, computers, display consoles, and ordnance delivery systems.

The contractor shall provide technical services, including, but not limited to, pre test preparation assistance, direct test services, and post test services for the evaluation of U.S. Navy and, FMS weapons systems and test facilities support equipment. The contractor support shall include the following:

- Pre test preparation assistance which includes development of data collection and analysis plans for those tests/exercises where no plans are otherwise provided; and assist at pre exercise briefings to ensure proper implementation of data collection and exercise plans including instructions to appropriate personnel on completion of data collection forms.
- Develop synthetic SUW/STRIKE warfare scenarios to support exercise requirements. Coordinate broadcast of exercise scenarios from NSWC Corona to all exercise participants.
- Direct test assistance which includes on site collection and analysis interface with the officer conducting the exercise or other authorized representative to ensure adequacy of data collected and notification of cognizant authority, if data are inadequate to determine level of success; and on site analysis of collected data to determine, suitability of the test as delineated in the Test Plan, adequacy of data collected to ascertain system performance, and overall system performance and problem areas.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 44 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Post test assistance which includes data inventory and control, data processing, software development for accomplishment of special processing requests, software documentation, computer systems management, in depth analysis of system performance from processed data, and preparation of reports providing a detailed quantitative analysis of the performance.
- Data to be processed consists of digital magnetic tapes and optical media containing weapon system data, missile telemetry data, target telemetry data, and range instrumented tracking data. These data may vary from UNCLASSIFIED to SECRET level, and may require out of hours processing and/or special handling. Special data processing requests may be required for specified events and test programs.
- Provide operation and maintenance support for data processing computer systems and associated databases. This includes operating and maintaining computer systems hardware, special data processing devices, engineering workstations, test systems and sets, and installation/repair of equipment.
- Support and maintain data extraction and processing for missile telemetry data, range instrumented tracking data, and mission planning data. These data sets are currently provided on digital magnetic tapes or diskettes.
- Process data tapes, data sets may vary from UNCLASSIFIED to SECRET level, and may require out-of-hours processing and/or special handling. The product will normally be a set of data files for use on graphics workstations, and a standard set of computer generated reports. Special data processing may be required for specified events and test programs.
- Maintain an Over The Horizon-Target (OTH T) Engagement Planning database to support OTH T performance assessment and trend analysis.
- Develop Antisurface Warfare (ASUW/STRIKE) OTH T synthetic scenarios.
- Document work on this task in the Monthly Status Reports.
- Develop and deliver Weapons Systems Data Packages.

C.3.1.10 TASK 10 AEGIS COMBAT SYSTEMS SUPPORT

NSWC CORONA is tasked to provide performance evaluation of the AEGIS Combat Systems based on testing conducted at various Combat Systems Engineering Development Sites and Test Range Facilities.

The contractor shall provide support in the areas of data processing, software development, data control, ADP equipment maintenance and upgrade, technical writing, computer systems management, and magnetic media library maintenance for AEGIS Combat Systems, at locations including but not limited to, PMRF Barking Sands, Kauai, Hawaii; Port Canaveral, FL.; and Ingalls Shipbuilding Division, Pascagoula, MS; Iron Works, Bath, ME, Combat Systems Engineering Development Site (CSEDS), Moorestown, NJ and onboard AEGIS ships. AEGIS weapons system and combat system elements including but not limited to, SPY 1, A, B, and D, WCS, FCS, C&D, VLS, ORTS, EWS, LAMPS, GUNS, PHALANX, SM 2, HARPOON, TOMAHAWK, and CAP. The contractor support shall include the following:

- Prepare staffing and logistics plans to provide the required resources to conduct data processing support at NSWC Corona and in field operations and provide supervisory data coordination for large scale data processing support in a field environment to provide the required data products to the AEGIS team members in a timely manner in accordance with the test plan.
- Maintain an inventory, store and maintain a data tape log indicating dates of exercises/tests, element, tape number, test ID/event, and location of all raw and duplicate AEGIS tapes received at NSWC CORONA; accept, and inventory processed data products and duplicate data tapes for distribution to activities outside of NSWC CORONA that have requested data/tapes or are on distribution of data/tapes for a specific exercise/test; and arrange for shipment of, or recall from Federal Records Center, data or tapes.
- Provide programming support ranging from simple coding and generation of runstreams to assistance in

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 45 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

development of complex special purpose programs; provide NSWC CORONA with hard copy documentation; and maintain complete configuration of completed developed programs accepted by NSWC CORONA.

- Assemble and distribute data packages in accordance with the test plan; process automatically and manually collected exercise/test data; and provide data processing and coordination and data processing facilities at multiple sites including, but not limited to, PMRF, Bath Iron Works, CSEDS, and Ingalls Shipbuilding Division.

- Provide information system management at multiple sites including, but not limited to, NSWC CORONA, Bath Iron Works, Ingalls Shipbuilding Division, CSEDS, and PMRF including establishing new user accounts assignment and deletion of user privileges, remove user accounts no longer required, maintain a list of users and accounts, monitor user activity and report unused accounts, periodically change user passwords, and periodically change door lock combinations. The contractor shall perform systems review for new releases of the operating system, install updates to system software, and maintain current system software documentation. Other system management responsibilities shall include scheduling and monitoring of the computer rooms, providing administrative support to establish equipment maintenance contracts, schedule and monitor preventive maintenance visits by equipment maintenance contractor, monitor and maintain records of systems maintenance contractor, periodically run user level diagnostics, periodically perform user level preventive maintenance, maintain an accurate log of any corrective maintenance performed, maintain a current record of system configuration, arrange for modification of or addition to system equipment, coordinate requests for exclusive or exceptional use of the system, periodically perform backups of disk files, monitor disk space, and perform disk compression when necessary.

- Provide technical writing support to include writing software documentation and in preparation and maintenance of the AEGIS Products Catalog.

- Coordinate preparations for AEGIS Weapons System Performance Review (WSPR) meetings including arrange and schedule facilities, lease furniture and equipment, ensure equipment operability and preparation of handout materials, view graphs, and other working papers to be presented during the meetings.

- Provide for routine maintenance and upgrade of PCs and government furnished AIS equipment.

- Support the operation and maintenance of the AEGIS Performance Assessment Networks for distribution of raw and processed AEGIS data.

- Document work on this task in the Monthly Status Reports.

- Develop and deliver Test & Evaluation Performance Reports.

- Develop and deliver WSPA Issue Index Listings.

- Support the inventory and cataloging of hardware to support analysis and reporting of Aegis test events.

C.3.1.11 TASK 11 FLEET EXERCISE RECONSTRUCTION AND ANALYSIS SUPPORT

NSWC Corona is tasked to evaluate fleet performance and readiness through reconstruction and analysis of data collected during joint force and Navy exercises. Raw data is collected in a variety of forms during each exercise and processed to produce the plots, listings, and files required for reconstruction and analysis.

The contractor shall provide technical support, program liaison and exercise coordination support for US Naval and Joint training exercises. Primary agencies conducting exercises include Commander Second Fleet (COMSECONDFLT), Commander Third Fleet (COMTHIRDFLT), Commander In Chief US Atlantic Fleet (CINCLANTFLT), Commander In Chief US Pacific Fleet (CINCPACFLT), US Commander In Chief Pacific (USCINPAC), All Service Combat Identification Team (ASCIET) and Joint Task Forces. The contractor shall also provide support for data definition, data collection, data transmission, data processing, data control, data display, and preparation of Quick Look and final reports. The contractor shall provide software engineering for the Battle Force Tactical Trainer (BFTT) Debrief and Data Collection modules. The contractor support shall include the following:

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 46 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Perform data collection tasks at remote sites, such as Navy ships and submarines, Navy, Air Force, Army, and Marine Corps bases; and aircraft. Data collection tasks include extracting data from aircraft with the use of automated data retrieval systems. Data may also be collected from Tactical Aircrew Combat Training System (TACTS) ranges, Southern California Offshore Range (SCORE) sites, Fleet Area Control and Surveillance Facilities (FACSFACS), and shipboard positional systems, combat systems, and from the BFTT Synthetic Theater of War (STOW) LAN.
- Prepare an integrated data acquisition or processing plan for each exercise or test supported, as tasked.
- Assign a task coordinator for each exercise or test to be performed.
- Provide and assign qualified exercise or test observers.
- Provide observer information for clearance message transmission.
- Assist in pre exercise planning briefings and meetings.
- Perform special project support planning functions.
- Prepare project performance reports, as tasked.
- When required by the training exercise or test, provide modeling and simulation techniques needed for describing data structures using pre-defined requirements, policies, and rules.
- Provide support for multi-national, Joint, and Service interactions.
- Install, checkout, operate and remove data collection and reconstruction systems including but not limited to, Galaxy/Trimble Global Position Satellites (GPS), PHOENIX Warfare Assessment Model (WAM), Realtime Extraction and Analysis Processor (REAP), and other computer equipment on ships, aircraft, and other participating units.
- Provide data processing support including development of computer programs, software specification and documentation, and perform software maintenance.
- Maintain configuration management of software for processing fleet exercise data.
- Use networked work stations to develop data products.
- Perform special product processing.
- Prepare and distribute data collection packages for each exercise supported, as tasked
- Maintain a stock of required data media to meet exercise requirements; and distribute the data upon collection.
- Provide raw data research of products collected for reconstruction/analysis.
- Establish and maintain on site central data nodes in support of exercise reconstruction and analysis.
- Maintain a library of exercise related materials and equipment manuals.
- Support Engineering Change Proposals (ECP) software changes for BFTT.
- Develop software in support of Navy Training Information Management System (NTIMS).

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 47 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Assist in developing the Navy Mission Essential Task Lists.
- Document work on this task in the Monthly Status Reports.

C.3.1.12 TASK 12 OPERATION AND MAINTENANCE OF INTEGRATED HARDWARE SYSTEMS

NSWC Corona is tasked to provide automated processing of telemetry data collected during weapon system testing and fleet exercises. Telemetry data are collected in real time and processed at the Telemetry Processing Facility Corona.

The contractor shall provide on site support for the operations, preventive and corrective maintenance, and software development for the analog and digital equipment associated with each facility. This support will include development of procedures and schedules, system documentation, parts procurement, operation of stations, data control, software development, software maintenance, and software documentation. The contractor support shall include the following:

- Perform data control services to include establishment and maintenance of a tape log system; establishment and maintenance of a secure data vault; distribution of reports, records, and tapes, ensure quality control by inspection of all processed data to ensure that all necessary information is included.
- Perform system engineering for the Telemetry Processing Facility to include upgrades, modification redesign of data processing systems and operations software specifications and procure operational supplies and ready spares to insure technical assistance to the data processing operators.
- Perform system maintenance to include establishing and maintaining a preventive maintenance schedule on the systems, establishing and maintaining equipment maintenance logs, maintaining an inventory of equipment, installation and removal of all equipment including preparation for shipment, and maintenance of system documentation including operational procedures, maintenance procedures, and calibration procedures/records. Procure spare parts to insure timely maintenance of equipment.
- Provide operations support including operation of the facility console/work stations computers, annotation of records, translation of special data for systems engineer, processing of special requests for weapons analyst, submission of a monthly equipment status report and provision of operating supplies and ready spare parts support including maintenance of an inventory of supplies and spares, forecast of requirements, and analysis of trends.
- Provide software support including software design and development, software maintenance, and production and update of software documentation as required.
- Perform data reduction, duplication, hardcopy generation, and networking of telemetry data acquired from domestic and foreign (FMS) weapons systems in service, in acquisition, and in development (R&D). This includes scanning of weapon system telemetry data tapes for significant times and events, duplication of selected events onto tape for distribution, and generation of hardcopy displays of selected weapon system events, and networking telemetry data to be received and sent over secured lines for distribution. Procure operation supplies and maintain supplies to insure delivery of data packages in a timely manner.
- Document work on this task in the Monthly Status Reports.

C.3.1.13 TASK 13 RANGE SYSTEMS OPERATIONS AND MAINTENANCE

NSWC Corona is tasked with providing operations and maintenance support for Navy training range electronic instrumentation and facilities.

The contractor shall provide operation, maintenance, and support of facilities, sites and systems. This includes operating and maintaining industrial video equipment, microwave and telecommunications equipment, computers, test and calibration equipment, and range electronic instrumentation. In addition, it includes preparation, packaging, shipping, and installation, de installation of equipment at remote sites Navy Tactical Training Ranges

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 48 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

(NTTRs). The contractor support shall include the following:

- Provide operation and maintenance of range instrumentation to include but not limited to, Weapons Impact Scoring Set (WISS), Remote Strafe Scoring System (STRAFE), Safety Surveillance System (SSS), Global Positioning Satellite (GPS), Visual Audio Surveillance Systems, (VAWS), Public Address Warning Systems (PAWS) and associated equipment at NSWC Corona range facilities, target areas, and other sites.
- Perform maintenance of the approved preventive maintenance program. This includes maintenance procedures required by individual manufacturers, system level maintenance requirements, and appropriate records to determine program status.
- Perform corrective maintenance support to provide timely repair of processing equipment and maximum system availability. Provide complete status information for equipment utilizing individual manufacturer's repair facilities. All test, repair, and calibration equipment will be provided by NSWC Corona.
- Plan organizational, intermediate and depot level repair requirements.
- Support NSWC Corona efforts in delivering, installing, and testing systems, both locally and at remote sites.
- Prepare, and package, equipment for shipment to remote facilities in support of operational requirements, and in coordination with equipment installation schedules.
- Document work on this task in the Monthly Status Reports.

C.3.1.14 TASK 14 TELEMETRY/TELECOMMUNICATIONS SYSTEMS SUPPORT

NSWC Corona provides systems engineering, operation and maintenance support for fixed and portable land-based, airborne and shipboard missile telemetry data acquisition and telecommunications systems.

The contractor shall provide technical support consisting of attending and/or conducting operational planning meetings, site surveys, requirements definition, facilities planning, and on site installation/testing, operation and maintenance of fixed and portable telemetry/telecommunications equipment and related hardware. This work will be performed on board US Navy vessels and at on site at locations including but not limited to: Fallon, NV, Yuma, AZ, Cherry Point, NC, Oceana, VA, Beaufort, SC, Tonopah, NV, Las Vegas, NV, San Diego, CA, San Clemente Island, CA, San Nicholas Island, CA, Pinecastle, FL, Cecil Field, FL, Eglin AFB, FL, El Centro, CA, Santa Paula, CA, Pt. Hueneme, CA, Pt. Mugu, CA, Moorestown, NJ, Dahlgren, VA, Bath, ME, Pascagoula, MS, Laurel, MD, Barking Sands, HI, Southbury, CT, Norfolk, VA, Corona, CA, Okinawa, Japan. Work will be performed on occasion in foreign countries and on board foreign vessels. The contractor support shall include but not be limited to the following:

- Perform site surveys of telemetry/telecommunication project installation locations. Identify Radio Frequency, power, and interface signal cable/equipment rack layout requirements. Develop site survey results documentation.
- Evaluate telemetry/telecommunication requirements and develop recommended installation design based on cost, schedule, and time constraints.
- Perform facilities planning and develop facilities support procedures. Identify preventative maintenance requirements for existing and proposed equipment locations. Plan organizational, intermediate, and depot level repair requirements.
- Perform on site installation, testing operation and maintenance for telemetry/telecommunication project requirements. Develop mechanical installation packages. Develop initial as built documentation.
- Install Government provided equipment in portable equipment shelters.
- Maintain laboratory supplies, tooling, test equipment and work areas where these are used/stored, in proper condition to conduct day to day Laboratory operations.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 49 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Package and transport equipment to/from the Shipping Department and maintain inventory tracking logs of equipment shipped and received
- Conduct assembly and modifications and repairs to electronic equipment.
- Conduct system and equipment level tests to ensure operability prior to field deployment.
- Maintain telemetry and telecommunication networks by conducting preventative maintenance and repair in accordance with Original Equipment Manufacturers guidelines.
- Maintain software revision level update avenues from Original Equipment Manufacturer or other appropriate software vendors.
- Perform software development in the areas of telemetry data formatting for transport of data via telecommunications to various computer hardware platforms, for data compatibility with existing analysis software tools, and for compatibility with new technology telemetry and graphical analysis platforms.
- Perform telemetry/telecommunications system maintenance to include establishing and maintaining a preventive maintenance schedule on the systems, establishing and maintaining equipment maintenance logs, maintaining an inventory of equipment, installation and removal of all equipment and maintenance of system documentation including operational procedures, maintenance procedures, and calibration procedures/records for fixed and portable systems.
- Provide technical Systems Engineering support in the development of Strategic Plans for Telemetry/Telecommunication systems and project support in development or being considered for development.
- Provide technical Systems Engineering support in the development of Telemetry/Telecommunication Systems Management Staffing plans and development of such ancillary requirements as may be necessary.
- Research available telemetry/telecommunication instrumentation required to meet joint Navy and other service exercises.
- Provide technical Systems Engineering support for developing documentation related to the design and installation of new telemetry/telecommunication equipment.
- Document recommendations for meeting joint service telemetry/telecommunication instrumentation requirements.
- Perform power on, electromechanical, and applicable diagnostic tests on new equipment to ensure the unit is operable according to specifications, while warranties are in effect. Provide a document for each new piece of equipment that identifies the date it was received, the date it was checked out, results of the checkout, and any suggested corrective actions required. Provide Checkout Requirements Listing Status Reports.
- Perform checkout and diagnostic tests to identify failed or "out of spec." conditions of equipment. Perform corrective actions to bring the items back to full operational condition. Provide Hardware Failure Reports documenting equipment testing and repairs.
- Ensure all safety measures are observed in the laboratory and field environments.
- Document work on this task in the Monthly Status Reports.
- Develop and deliver Maintenance reports, Inventory reports, System documentation, Trouble failure and repair reports, Site survey reports, and Operation support reports.

C.3.1.15 TASK 15 RANGE DATA CONVERSION AND CONTROL SERVICES

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 50 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

NSWC Corona is tasked with the document management of training range system technical libraries which includes system specifications, technical manuals, engineering drawings, and associated lists, commercial publications, documents/manuals, and computer software documents. This documentation is in the form of hardcopy bound documents, blueprint drawings and aperture cards and may include draft and/or preliminary and final versions. The documentation may include partial data packages that require an effort to organize the complete documentation package. Data organization efforts include identifying, inventorying, and sorting documentation for filing in the library and/or data conversion. Outdated documentation shall remain within the library inventory until identified by the government for disposal. Several versions and/or revisions may be required to be maintained within the library.

The contractor shall provide technical services including data conversion, document revision, reproduction, distribution, and technical library maintenance/management. The contractor support shall include the following:

- Operate and maintain the Government Configuration Management Information System (CMIS).
- Maintain an accurate inventory of all technical data in the CMIS.
- Incorporate published approved changes/revisions into the appropriate technical data in the library inventory.
- Organize and assimilate all technical data provided to maintain complete and current data and documentation.
- Scan, digitize, and revise drawings and documents in AutoCAD and /or a document processing format and provide hard copies of digitized drawings and documents.
- Scanned documents, electronic copy and CD-R copy shall be delivered in acrobat format pdf or TIFF formats.
- Maintain an accurate inventory of all data selected for data revision, conversion, AutoCAD, and microfiche services, and of all digitized drawing and document files, aperture card and microfiche files, material received.
- Identify and retrieve documentation for distribution to other activities, field sites, and for library users.
- Contractor shall provide programming support pertaining to the collection and analysis of Tactical Training Range (TTR) operations data.
- Contractor shall support the maintenance and operations of the range instrumentation databases (hardware and software).
- Support the data collection, entry and reports pertaining to range budget plans and execution.
- Provide program development, software revision, maintenance, enhancement and system updates for the Fleet Training Assessment Department (FT) business systems databases.
- Document work on this task in the Monthly Status Reports.

C.3.1.16 TASK 16 RELIABILITY, MAINTAINABILITY, AND AVAILABILITY DATA BASE SUPPORT

NSWC Corona is tasked with providing Integrated Logistics Support (ILS) and maintenance engineering for Navy Tactical Training Range (NTTR) systems. This tasking includes responsibility for maintaining maintenance data collection systems for selected range instrumentation to assess maintainability, reliability, availability, and supportability. Data is used to identify problem or deficiency areas, and to identify requirements for logistics actions. Maintenance deficiencies are identified along with maintenance engineering solutions, and recommendations are provided to the NTTR program managers.

The contractor shall provide life cycle software engineering services for RM&A Data Base operations and enhancements that includes but is not limited to, software analysis, software design, coding, testing, documentation procedures, operations, coordinating technical instructions, user training, engineering and ILS

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 51 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

analysis, and associated services support for NTTR. The contractor support shall include the following:

- Provide automated data processing services for NTTR RM&A Programs that includes data entry, editing, reduction, interfacing, manipulation, maintenance, and validation.
- Process electronic files, extract failure and utilization data from these files, and validate, edit, and append this data to existing RM&A data bases.
- Execute data base software for the generation of periodic and special purpose RM&A analysis reports.
- Provide logistics information on supply (spare parts), support equipment, system equipment, system configuration, and research performed on reference material contained in NTTR Technical Library (engineering drawings and technical manuals).
- Provide information from RM&A database records in support of failure and trend analysis.
- Provide software development support to upgrade RM&A Databases, data base software, communication procedures, and automated reports.
- Provide data entry, validation, and operational functions to support the collection of NTTR RM&A Data Base information.
- Operate various software communication packages on a microcomputer to access NTTR range file servers for the remote file transfer of failure and utilization data
- Provide Engineering and ILS analysis and associated services support for NTTR.
- Document work on this task in the Monthly Status Reports.

C.3.1.17 TASK 17 METROLOGY DATA CONVERSION AND CONTROL SERVICES

NSWC Corona performs analysis of test and calibration data for test and measurement equipment and standards used throughout the Navy: acquires, maintains, and analyzes test and equipment calibration data, determines associated reliability, and assists in establishing test equipment calibration intervals for use throughout the Navy Metrology and Calibration Program (METCAL); develops, utilizes, and maintains metrology technical data systems; develops, publishes, distributes and maintains metrology documents and other products. Coordinates and controls calibration procedure development and maintenance and interval establishment for all System Commands (SYSCOMs).

The contractor shall provide the technical services for metrology document publication, electronic media production and distribution, microfiche production and distribution, metrology technical library maintenance/management. The contractor support shall include the following:

- Receive documents in hard copy (hand written or typed format) or magnetic format (normally diskette). Key in and make necessary changes to the document as indicated by the originator, using available MS word processing systems.
- Load and unload files, and back up system files.
- Provide mailroom with current mailing labels for procedures.
- Scan documents for conversion of document format.
- Provide services for modeling and mastering of metrology requirements data and calibration procedures on CD ROM, and produce recordable CDs for unique applications or limited small distributions.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 52 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Provide for mass production of monthly DOD Metrology Information & Document Automated System (MIDAS) and Metrology Products (METPRO) CD ROMs.

- Develop jewel case liner, user manual, and CD artwork for FMS products.

- Label, package, and distribute (utilizing station mailing room), Personal Computer Metrology Requirements Listing (PCMETRL) diskettes, DOD Metrology Information Data Automation System (MIDAS) and Metrology Products (METPRO) CD ROMs.

- Maintain and develop enhancements to the diskette distribution system hardware and software currently in use. Complete, fully commented source code, and all other documentation relating to the program and data (including flow charts, data structures, etc.) for any software developed or modified. The source code shall be delivered on both a printout and on diskette in ASCII format. A written overview detailing what is required to compile and link the program (including compiler and linker switches used), and a brief description of the program, database structure, data elements, and database relationships is also required. Provide source code and libraries for all software developed or modified.

- Distribute copies utilizing the station mailroom.

- Maintain the metrology technical library consisting of Equipment Jackets (EJs), history files, technical manuals, and other related METCAL documents.

- Receive documents and files, create new EJs and history files, and file documents into EJs or history files. Provide checkout services for requests for files, maintain a log of all items checked out with the name and location of the requestor.

- Receive requests for copies of procedures and other METCAL documentation, generate the requested copies, prepare transmitting documentation, deliver via guard mail or personnel delivery if urgent.

- Prepare copies of documentation required for FMS deliverables, prepare transmitting documentation for signature. Utilize Center Correspondence manual and MS format procedures for distribution.

- Maintain quarterly updates of DOD MIDAS CD ROM distributed to METCAL participants.

- Maintain monthly production reports for each product, outlining the quantity provided/developed according to sponsor Naval Air Systems Command (NAVAIR), Naval Sea Systems Command (NAVSEA), Strategic Systems Program (SSP), Marine Corps (M/C), and FMS indicating format (paper, diskette, CD ROM, library file, etc.).

- Maintain quarterly production reports for each product, outlining the quantity provided/developed according to sponsor (NAVAIR, NAVSEA, SSP, M/C, FMS) indicating format (paper, diskette, CD ROM, library file, etc.).

- Document work on this task in the Monthly Status Reports.

C.3.1.18 TASK 18 NAVY SPECIAL INTERFACE GAGE PROGRAM SUPPORT

NSWC Corona is tasked to provide ongoing support of Navy Special Interface Gages (NSIGs). This includes the certification, recertification, repair, design, fabrication, research, documentation, configuration control, logistics and warehousing in support of the NSIG program. NSIGs are necessary to ensure proper component interchangeability, form, fit, and function for the installation, assembly, renovation, and operation of Naval Weapons and Combat Systems.

The contractor support shall include the following:

- Provide engineering services for quality control, training programs, documentation development, and data conversion services.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 53 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Provide production support personnel as needed for the Measurement Science and Technology Laboratory.
- Provide research, development, evaluation, documentation, scanning, maintaining databases, materials and services.
- Provide machining services for the manufacture, repair, and modification of special interface gages.
- Document work on this task in the Monthly Status Reports.

C.3.1.19 TASK 19 METROLOGY PROGRAM SUPPORT

NSWC Corona provides calibration guidance under domestic and Foreign Military Sales (FMS) programs to foreign governments and other agencies. This guidance includes calibration laboratory operations, metrology and calibration training, facility requirements, equipment calibration requirements and calibration standards for aircraft, ships and weapons systems.

The contractor shall provide technical services for data base maintenance, computer input, calibrations standards, calibration procedures, calibration laboratory operations, requirements analysis, and metrology training. The contractor support shall include the following:

- Develop, review, and update Calibration Support Plans (CSPs) to identify support equipment calibration requirements and calibration standards for specific aircraft and weapons systems.
- Maintain the existing databases to provide the calibration support data for aircraft specific needs and quarterly documentation updating.
- Provide documentation to update the Metrology Requirements (METREQ) databases.
- Review metrology related engineering documents and provide review comments and/or recommendations to update said documents.
- Review and update specified weapon system phase packages.
- The contractor shall recommend needed replacement calibration standards based on manufacturer's obsolescence notices.
- Conduct research and develop metrology and calibration training courses to be used to train foreign nationals in metrology practices and procedures associated with the calibration and maintenance of measurement standards and Test and Monitoring Systems (TAMS).
- Perform services to support program/project workshops and training programs. This shall include preparation of materials, plans, and schedules; logistics support; briefings and presentations for technical conferences and workshops; and development of training courses and supporting course materials.
- Document practices and procedures employed to calibrate specified physical, mechanical, electrical/electronic, and microwave measurement standards and TAMS.
- Develop plans, audio/visual presentations, status reports, and recommendations associated with unique calibration laboratory operations, metrology and calibration training, standards laboratory facility requirements, and associated technical topics.
- For each item of support equipment contained in the Foreign Military sales Consolidated Equipment List (FMSCSELS) the contractor shall identify calibration requirements by comparison with Metrology Requirements List NA17 35MTL 1. For any support equipment item not exactly contained in Metrology Requirements List NA17 35MTL 1 perform a comparative analysis to determine if a similar item exists that will yield calibration requirements. For items so derived, clearly indicate the original and analysis resultant model. For any support

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 54 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

equipment item that cannot be matched, mark or flag the item for Navy engineering analysis.

- Upon conclusion of the requirements analysis, summarize the unique Instrument Calibration Procedures (ICP) extracted. From METREQ Technical Data Files, extract the calibration standards and equipment contained in each ICP as applicable to the support equipment item. Classify the extracted calibration standards and equipment into "like functional capability" groups. Based on these groups, summarize the calibration standard and equipment by selecting the approved standard for each group from Navy Calibration Equipment List NA17 35NCE 1.

- Upon completion of the summarization process, compare the resultant calibration standards and equipment with the laboratory's calibration standards and equipment contained in Selected Calibration Laboratory Inventories for the target activity.

- Identify any functional group for which support does not exist. Identify all support equipment coverage in terms of full, partial, and no coverage for Navy engineering review.

- Perform update and review of CSPs, and update of MICRO/NANO Systems Engineering Requirements Document (SERD) data. The contractor shall maintain, and enhance load/extract programs for the maintenance of MICRO/NANO SERD files from data tapes supplied. Data extracts shall be provided from these local files to authorized users for generation of CSPs which will be provided to the government in hardcopy as well as on diskette.

- Perform update and maintenance of aircraft program or weapon system calibration support data including maintaining SERD files, metrology related engineering documents, aircraft phase package data, pertinent manufacturer's information and providing services required to maintain or enhance the Calibration Analysis and Support Equipment Tracking (CASET) and CASET program source code and to perform periodic data update from data extracted from the AUTOSERD data system. The contractor shall ensure that all data pertinent to SERDs are identified and easily retrievable. The contractor shall also maintain all MICRO/NANO SERD source code to the latest version of CASET and to the latest AUTOSERD data.

- Provide Integrated Logistics Support (ILS), Integrated Logistics Assessment (ILA) document review and update including Logistics Support Analysis Plan (LSAP), Integrated Logistics Support Plan (ILSP), Integrated Logistics Support Detailed Specification (ILSDS), Logistics Support Analysis Records (LSAR), Maintenance Plans, Operational Logistics Support Summaries (OLSS), and Phased Support Plans. The contractor shall provide support in the operation, maintenance, and report generation of the Logistics Element Analysis Data System (LEADS) data system. The contractor shall obtain logistics element data unique for weapons platforms from the government and/or the platform/installed systems manufacturers' representatives. The contractor shall perform data editing, analysis, update, manipulation, verification, and validation of all LEADS data elements. The contractor shall modify the data system operation(s) as necessary to process logistic elements and develop report formats needed to perform Calibration Measurement Requirements Summary (CMRS) actions.

- Process Calibration Reports, the media received for input, editing, print out, collation, will be in rough hand written or typed format. The contractor shall maintain a calibration report log, assure proper form of paperwork presentation, proofread completed input to assure proper grammar and spelling

- Review Integrated Logistics Management Plans for Precision Measurement Equipment Laboratory (PMEL) for FMS programs and provide recommendations for requirements revision.

- Research and develop requirements for ancillary equipment and consumable supplies necessary for start-up of FMS PMELs.

- Develop and review PMEL Design Specifications Manual and provide recommendations for revisions.

- Define practices and procedures to be employed to calibrate specified physical, mechanical, electrical/electronic, and microwave measurement standards and TAMS to be employed at FMS PMELs.

- Develop plans, audio/visual presentations, status reports and recommendations associated with unique calibration laboratory operations, and metrology and calibration standards laboratory facility requirements in

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 55 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

support of the FMS PMELs program.

- Develop plans and audio/visual presentations for FMS PMEL Status Review Conferences.
- Provide technical writing, editing and word processing for the development, revision and maintenance of calibration technical documentation, calibration methodology documents; and logistics support plans for platforms, weapons, combat systems calibration and maintenance support documents.
- Provide technical writing, editing and word processing for the development, revision and maintenance of calibration related documents including training plans, course materials, instructor manuals, student guides, and rate training manuals.
- Code, comment, debug, compile, and test software applications and provide a magnetic ASCII program code file and an executable file on an IBM compatible diskette.
- Provide data entry/output services for the operation of the business system, including key entry from hard copy documents, scanning to convert information into electronic media, printing, document file maintenance, and preparation for branch distribution.
- Route hard copies of the results of engineering decisions for signatures, prepare signed documentation for distribution, prepare address labels, mail documentation, and file maintenance of the documentation.
- Provide program development, code revision, maintenance, enhancement and system updates for the Measurement Science Department (MS) business systems databases.
- Document work on this task in the Monthly Status Reports.
- Develop and deliver Calibration Measurement Requirements Summary (CMRS) and Calibration Support Plans.
- The contractor shall provide conference technical support to NSWC Corona for community outreach efforts at conferences, conventions and trade shows, including organization of the events as well as development of appropriate conference materials and necessary on-site support.
- The contractor shall provide IT Server hosting services; and provide work areas for necessary IT support, network, database and programming personnel as required at the Corona Facility; provide IT test bench space; and provide, as requested, work areas for non-IT personnel who must be co-located with the Servers in order to successfully complete their tasking. This service should include the appropriate environment for housing up to 20 Servers including a Cubix rack, and the associated hardware (Universal Power Supplies, Switches, Routers, etc.), software and documentation.

C.3.1.20 TASK 20 TEST SYSTEMS ASSESSMENT ENGINEERING SUPPORT AND TECHNICAL SERVICES

NSWC Corona is tasked with assessment and configuration management of weapon test systems, test system evaluation, test system documentation analysis, and test system trend/correlation analysis.

The contractor shall provide technical and support services in the area of test systems assessment. This includes test system evaluation and test system documentation analysis, on-site demonstrations, audits, and reviews; engineering analysis, master drawing maintenance, publication of letters and reports, software review for compliance with test requirements, data entry to the configuration management data base, and provide comments on automatic test equipment deliverables from prime contractors. The contractor support shall include the following:

- The contractor shall evaluate test system accuracy, test software and programming techniques, and test procedures against weapon and test system specifications and report findings to include recommended corrective actions where either techniques or accuracy do not fully comply with specification requirements.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 56 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- The contractor shall conduct evaluation and assessment functions for new and modified test systems in accordance with applicable assessment plans; evaluate test programming software for automated test systems, test and calibration procedures, test systems drawings, and test equipment maintenance data.
- The contractor shall conduct special analysis and evaluation tasks relating to automated correlation techniques, weapon performance predictions based on test results, adequacy of test system and test techniques in areas of weapon test failures, test system trends, stability, reliability, configuration, maintainability, calibration techniques, and cost effectiveness.
- The contractor shall develop plans, audiovisual presentations, reporting formats, summary reports, and program recommendations to assure the technical analysis and evaluation information can be communicated to the appropriate management levels in an easy to understand, concise, and accurate manner.
- The contractor shall provide field-engineering support for Navy assessment testing demonstrations, compatibility and verification tests, and Functional Configuration Audit/Physical Configuration Audits (FCA/PCAs) conducted on designated factory/Navy test systems. Basic tasking will consist of reviewing all completed operational and support documents, coordinating activities necessary for conducting demonstrations and FCA/PCAs, and duplicating and distributing results and support data concerning these efforts.
- The contractor shall maintain engineering Automatic Test Equipment (ATE) drawing masters, system specifications, publications/procedures/manuals, technical manuals, computer software documents.
- The contractor shall maintain documentation baseline listings. Enter drawing, Engineering Change Proposal deviation, and waiver data in the TOMAHAWK Information System (TOMIS).
- The contractor shall maintain masters of all designated documentation with off-site disaster backup. The contractor shall maintain status of ATE Proposed Changes. The contractor shall modify drawings per applicable military standards to incorporate approved changes. The contractor shall furnish updated documentation/drawings in aperture card. The contractor shall distribute updated documentation, drawings, and baseline listings to designated activities.
- The contractor shall evaluate test system documentation packages to assure compliance with specifications, human engineering consideration and accepted practices in the state-of-the-art test system engineering. Reports of findings shall include recommended corrective action in those areas of noncompliance.
- The contractor shall perform an analysis of test systems assessment resources and evaluate the needs and requirements to support the assessment of test systems.
- The contractor shall compare lower-level assembly specifications with the top assembly specification. Reports of findings shall highlight noted differences in brief tabular-form summaries.
- The contractor shall perform a line-by-line review of test software, and verify compliance with furnished test requirements. Provide written summaries of each test conducted by the software as well as details of all differences, discrepancies, or deficiencies found.
- The contractor shall determine the criteria for acceptable correlation among similar test systems based on analysis of specifications, weapon and test system design, engineering judgment and predictions on effects on missile performance.
- The contractor shall establish the degree of correlation among similar test systems using Government Furnished Information (GFI) data. Report the results of this analysis including recommended corrective action in those cases where the degree of correlation does not comply with established criteria.
- The contractor shall develop and implement various computer programs to utilize in the analysis and evaluation for test system data, delivery data, on-line management information systems, or test system and data handling and analysis techniques.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 57 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- The contractor shall perform data processing, test verification, and analysis support of Factory Acceptance Test (FAT) data provided to NSWC Corona by different manufacturers. The contractor shall develop software to provide statistical analysis of selected FAT parameters. The contractor shall maintain a database that will allow for mass storage of FAT data in magnetic tape and for data retrieval and analysis of stored data.

- The contractor shall provide edited computer runs of data in accordance with computer program instructions provided with each data package and furnish a clean, edited copy of each computer run to NSWC Corona. The contractor shall provide statistical analysis of data in accordance with instructions included with each data package. The contractor shall provide test data trend analysis reports and/or test data correlation reports in accordance with the instructions for each data package submitted.

- The contractor shall develop and maintain Computer Aided Test Software Evaluation (CATSE); this task includes developing software that compares instrument activity with test requirements. Emulators shall consist of specifying nominal values and providing a means of communication among PC, HP-1000/HP-9000 computer and various automatic test equipment. Software programs shall be prepared using assigned programming languages.

- The contractor shall perform all duties and functions associated with operation of the HP-1000 and HP-9000 including normal power-up, system test, and loading, trouble and fault isolation shall be conducted to the lowest replaceable unit level.

- The contractor shall install Test Data Files and Test System Application Programs developed by production contractors on the applicable systems.

- The contractor shall provide training to NSWC Corona personnel to ensure that the programs and software developed can be utilized effectively and efficiently.

- The contractor shall establish and maintain files including the tracking and retention of all missile test data and other related technical documentation. These files shall be maintained on PC, HP-1000 and/or HP-9000 computer systems.

- The contractor shall perform analysis of production/maintenance test and calibration results.

- The contractor shall investigate parameter tolerance structures and tractability for maintenance hardware specifications to ensure adequate performance and correlation among similar test systems, and analyze parameter irregularities for effect of product reliability.

- The contractor shall perform administrative services to support Test Systems Assessment; including preparation of plans, and schedules; maintenance of the Division business plan; word processing, distribution and maintenance of correspondence; logistics support for program presentations and workshops; development of briefings and presentation; and data entry/output services for the operation of the business system.

- Document work on this task in the Monthly Status Reports.

C.3.1.21 TASK 21 EGYPTIAN AIR FORCE METROLOGY ENGINEERING AND CALIBRATION CENTER

The NSWC Corona Measurement Science Directorate (MSD) is tasked to provide metrology and calibration guidance under Foreign Military Sales (FMS) programs to friendly foreign governments and other agencies. Pursuant to this effort NSWC Corona is responsible to provide support to the Egyptian Air Force (EAF) Metrology Engineering and Calibration Center (MECC) to establish and maintain a metrology and calibration facility at the Cairo West Air Base, Cairo, Egypt.

The contractor shall provide metrology and calibration training; technical documentation analysis, development, and revision; equipment, setup, and maintenance; and on-going operational support to EAF MECC on-site in Cairo, Egypt. The contractor shall provide a senior calibration specialist on-site in Cairo, Egypt to support the EAF MECC. The senior calibration specialist shall assist the EAF in establishing and maintaining calibration capabilities in the physical/mechanical calibration disciplines including: mass, force, pressure, flow, vacuum, torque, vibration, and temperature. The contractor support in establishing and maintaining calibration capability

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 58 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

shall include, but is not limited to:

- Developing and providing metrology and calibration training to the EAF technicians in correct metrology and calibration methods, practices, and procedures.
- Monitoring and assisting in the setup and maintenance of physical/mechanical calibration equipment.
- Monitoring and assisting in performing calibrations in the physical/mechanical disciplines.
- Monitoring and assisting in the management and maintenance of calibration databases and reports.
- Monitor, evaluate and report the performance of physical/mechanical calibration equipment, MECC technical staff, and other factors affecting the quality of work produced in the physical/mechanical disciplines.
- Develop and assist in implementing ISO compliant calibration documentation.
- Assist the EAF in overall laboratory operation. These laboratory operations include work scheduling, inventory control and document control within the physical/mechanical work areas.
- Assist the EAF in analysis, development, and revision of metrology and calibration related documents.
- Document work on this task in the Monthly Status Reports.

C.3.1.22 TASK 22 WARFARE ASSESSMENT LABORATORY (WAL) AND CONFERENCE CENTER OPERATIONS

The WAL and Conference Center support warfare assessment activities such as battle group exercise reconstruction, missile flight analysis, and systems performance; and holds large meetings, both classified and unclassified. There are large screen displays and associated equipment, computers, workstations, and communications equipment.

The contractor will provide system operations, routine operational maintenance and technical support for the theater graphics workstations, various diagnostic, control and presentation PCs, control system, matrix switching system, audio and projector system, and various associated video and computer equipment. The contractor support shall include the following:

- Provide equipment set-up and operation for theater presentations, exercise support and conferences.
- Provide routine maintenance of WAL and Conference equipment and obtain vendor maintenance support when equipment faults cannot be resolved locally.
- Monitor status of equipment performance during theater presentations and assist with resolution of any technical problems should they occur.
- Ensure theater equipment is properly shut down after usage.
- Perform projector source set ups as required to establish and maintain good picture quality for new and existing input signals.
- Ensure cleanliness of theater projection room including projection mirror surfaces.
- Work with various test equipment, as appropriate, to ensure optimal theater equipment performance.
- Ensure proper revisions of theater control system software are being utilized and maintain backups.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 59 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Assist in implementing control system software revisions.
- Assist end users in operating theater equipment.
- Assist in theater equipment configuration and interfacing to support special end user requirements.
- Serve as the POC for scheduling of the WAL and the Conference Center and provide/coordinate necessary accommodations.
- Schedule usage, set-up, operate and maintain equipment in the WAL and the Conference Center.
- Assist in the planning for equipment upgrades and replacement.
- Ensure network access is in compliance with security requirements.
- Provide maintenance of the Intrusion Detection System.
- Document work on this task in the Monthly Status Reports.

C.3.1.23 TASK 23 COMMAND TELECOMMUNICATIONS INFRASTRUCTURE SUPPORT SERVICES

Accomplishment of the NSWC Corona mission requires effective communications capabilities among all Command sites and to computer resources throughout the country. The telecommunication system consists of a Telecom switch, user phones and phone lines, a Voice Mail System, a Telephone Management System, and Trunk Lines.

The contractor shall provide support in establishing, installing, and maintaining a telecommunications network to provide effective and timely communications among the Command sites and with other computing facilities throughout the country. The contractor support shall include the following:

- Provide telephone switchboard operator support services. These services shall include normal switchboard functions placing operator-assisted calls and providing directory services. The telephone switchboard shall be operational from the hours of 0745 to 1615. Out-of-hours switchboard services shall be automated with a multi-choice recording to greet callers.
- Operate and maintain the Telephone Management System (TMS). The operation shall include, ensuring telephone call data is collected, files are maintained and reports and billings are generated. The contractor shall maintain both the hardware and software to ensure system reliability. Annual maintenance contracts shall be maintained to ensure the TMS does not lose accreditation and that vendor support is available for proprietary issues.
- Use the TMS to generate and sort, and distribute by Department, the end of the month billings. Records regarding billing distribution and returns shall be maintained by the contractor.
- Ensure the functionality of the TMS, this may require software revisions, and/or hardware upgrades.
- Install, move, add and change telephone lines.
- Document work on this task in the Monthly Status Reports.

C.3.1.24 TASK 24 BASE FACILITIES AND CAPITAL EQUIPMENT SUPPORT

NSWC Corona Command Staff has oversight responsibility for facilities and capital equipment program management.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 60 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

The Contractor shall provide technical services for data collection, alternative analysis, and information technology system support of NSWC Corona facility requirements, utilization, upgrade and maintenance projects, capital equipment projects and the Basic Facilities Requirements (BFR). The contractor support shall include the following:

- Collect, validate and update site maps building floor plans, space utilization data (loading/function), building space statistics, building construction and alteration history, building alteration requirements and status, grounds utilization, requirements and status in the NSWC Corona Facilities and Grounds database. This facility information shall be maintained in an automated form on an IBM compatible workstation using MSDOS and dBASE IV software. The site maps and building drawings shall be maintained on an IBM compatible workstation using AutoCAD.
- Collect and validate requirements associated with the planning and installation of NSWC Corona office and laboratory spaces. These requirements include: functional requirements within buildings, efficient space utilization, systems furniture concepts, specifications, installation criteria, and market surveys.
- Collect and update capital equipment projects data, requirements and status. The equipment information shall be maintained in an automated form on an IBM compatible workstation using dBase IV software. This information technology system must be maintained and modified to allow compatibility with the capital purchase data at NAVSEASYS.COM.
- Consolidate the results of meetings and other information related to facilities and equipment, i.e. design submittal, contracts status, grounds management initiatives, space utilization/relocation reports, Facility Support Contracts, Indefinite Quantity Contracts, and prepare overview summaries. These summaries shall include topic reference material, assessment data, project progress and status, and action alternatives.
- Document work on this task in the Monthly Status Reports.

C.3.1.25 TASK 25 COMMAND PLANNING SUPPORT

In order to accomplish its mission as the Navy's independent assessment agent, Corona Division must improve business processes, technical capabilities, and target new mission-related opportunities, while simultaneously reducing the costs of doing business.

The contractor shall provide support to Corona Command Business and Strategic Planning Programs including collection and analysis of planning data, preparation of reports and planning documentation. The contractor shall provide rapid startup of assigned tasks as timeliness is of the essence to address critical issues relating to national defense policy that are to be carried out by Corona Division. The contractor support shall include the following:

- Perform systems analysis of proposed business and strategic planning elements and information including program tracking, development and management planning, investigate alternatives and prepare trade-off analysis data.
- Perform concept studies including the feasibility, definition, risk assessment and development of alternative approaches.
- Provide services to support command conferences and workshops. These tasks include preparation of materials, plans, discussion outlines, presentations and schedules; logistics support; briefings and presentations for conferences and workshops; and development and deliver of training courses using a variety of media including audio visual, video and self paced individualized instruction.
- Maintain status on research and technical support for the NSWC related business.
- Provide liaison and technical support in the development of partnerships within the NSWC and other commands and institutions.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 61 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Develop and catalogue standard demonstration materials for presentation during command visits.
- Provide documentation support services including preparation, maintenance and distribution for formal reports, letters, memoranda, draft specifications, instructions, presentation material from project information files, and program/project/task documentation. This will include technical writing, editing, and illustration, word processing, proofing, reprographics and distribution of information in various forms of media.
- Review existing applicable management, program/ project data, to determine data sufficiency, and determine cost-effective means of acquiring information through interviews, surveys, or data retrievals from existing Management Information Systems (MIS) for identified data deficiencies.
- Summarize requirements, investigate alternative functional approaches, prepare trade-off analysis data, and develop transition plans.
- Provide service to support program conferences and workshops including preparation of materials, plans, discussion outline and presentations.
- Facilitate workshops and meetings, which are convened for the purpose of receiving, categorizing, analyzing, and clarifying data related to Corona Division Command Business and Strategic Programs Plans.
- Provide services to support business plans and planning including recommendations on the document format, material to be included in the text and appendices, completeness and consistency with industry standards, and linkage to Command, NSWC and NAVSEA Strategic Plans and Business Plans.
- Document work on this task in the Monthly Status Reports.

C.3.1.26 TASK 26 COMMAND DATA SUPPORT

Corona Division Command Staff has financial management oversight responsibility for facilities, capital and minor equipment, and technical programs.

The contractor shall perform Automated Information Systems Services, data entry, data retrieval, generate data reports, data maintenance, data distribution both electronic and hard copy, form preparation, and tag property. The contractor support shall include the following:

- Provide data entry, data retrieval, data maintenance, and data distribution to/from Defense Industrial Financial Management System (DIFMS) Automated Budget Module Open Systems Environment (ABM) Standard Labor Data Collection and Distribution Application (SLDCADA), Industrial Logistics Support Management Information System (ILSMIS), Corporate Asset System (CAS), Sponsor Order System (SOS) and local databases.
- Retrieve and compare standardized reports from DIFMS, ABM, SLDCADA, ILSMIS, Integrated Checkbook Balance (ICB), and prepare for distribution.
- Retrieve standard queries from DIFMS and other business systems and download data into a PC for customized formatting and sorting.
- Establish charge numbers and enter charge number budget estimates into DIFMS and SOS databases.
- Establish Customer Order Number (CON) information from all funding documents, input the data into the DIFMS and SOS databases, and forward to the appropriate department Budget Office.
- Enter budget estimate information for each new CON and each amendment to an existing CON into DIFMS and SOS.
- Develop, update and maintain commitment databases containing travel costs, training costs, Defense Printing Service (DPS) Costs, outgoing funding document costs and cost transfers utilizing data base software.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 62 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Generate the Request for Contractual Procurement (RCP) memo from the database and forward it to the Comptroller and the appropriate department Budget Office.
- Maintain files of standardized reports and shall microfiche reports as identified by the Comptroller.
- Provide data entry to DIFMS and SOS or all incoming Corona Division funding documents and maintain the funding databases.
- Provide data entry of funding obligations to the Standard Accounting and Reporting System (STARS) database.
- Process outgoing funding documents.
- Complete and forward signed outgoing funding documents, and record all associated transactions in STARS.
- Follow-up with the receiving activity on acceptance documents.
- Provide database entry to the Corporate Asset System (CAS).
- Tag newly acquired minor property procured by bankcard or other means when the property bypasses the receiving dock and is identified by the Command Property Responsible Officer (CPRO).
- Prepare the necessary forms and secure all required signatures for property procured by bankcard or other means when the property bypasses the receiving dock and is identified by the CPRO.
- Prepare the necessary forms and secure all required signatures for property acquisition, disposal, transfers, changes of custody and loss of property under the control of Corona Division when notified by the government
- Produce a report of delinquent custody actions and follow up with Corona Division personnel to obtain signatures and ensure properties are tagged and changes/additions/deletions are accurately recorded in the CAS.
- Prepare and provide to the CPRO, for signature, documents/forms required for the excess/disposal of all minor, plant and non-accountable equipment, including the equipment designated for the Command's School donation program when identified by the CPRO.
- Maintain files of all reports and documents.
- Document work on this task in the Monthly Status Reports.

C.3.1.27 TASK 27 RANGE ENGINEERING/DESIGN, INTEGRATION, TEST, AND INSTALLATION

The contractor shall support engineering design, integration, test, and installation of systems supported by the Scoring Systems Engineering Branch (FT-32). The systems include the Weapons Impact Scoring Set (WISS) and Improved Remote Strafe Scoring System (IRSSS), Target Area Safety Surveillance Systems (TASSS) and range lighting systems.

C.3.1.28 TASK 28 CUSTOMER RESOURCES SUPPORT

Information Security Support Services

The established policy of the Department of the Navy for Information Systems (IS) security mandates that all Naval activities comply with the stated IS guidelines. All IS systems shall be accredited by the applicable Commanding Officer or Designated Approving Authority (DAA). Accreditation includes meeting the requirements of the Department of Defense (DOD) Information Technology Security Certification and Accreditation Process (DITSCAP). Accreditation tasks include but are not limited to performing a risk assessment of each IS system, accomplishing a contingency plan or a mode of backup operations, developing a Security Test

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 63 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

and Evaluation Plan, performing the plan and compiling a report.

The contractor shall also support daily Information Security tasks are required by the Information Systems Security Manager (ISSM).

The contractor shall provide IS security services including performing periodic risk assessments on IS systems; developing system contingency plans, test plans, Security Test and Evaluation (ST&E) plans, tests, and reports, submit documentation for system accreditation, request TEMPEST approvals and surveys, conduct IS awareness training, develop IS security procedures, instructions, and guidelines, provide IS security consultation to NSWC Corona, , , and perform other IS security functions.

Specific Requirements. The contractor shall provide the following services:

- Assist Departments as needed developing DITSCAP documentation. If needed develop DITSCAP documentation in coordination with the department personnel.
- Maintain inventory of System Security Authorization Agreements (SSAAs) and their expiration dates.
- Archive signed SSAAs onto CD or DVD in addition to providing hardcopies.
- Coordinate and travel to NSWC sites as needed to develop DITSCAP documentation.
- Maintain Inventory of IS systems at all NSWC Corona sites.
- Determine compliance with Information Assurance Vulnerability Alerts/Bulletins, and Task Orders. Compile compliance metrics for Government Information Systems Security Manager (ISSM). Obtain account access to the On-line Compliance Reporting System (OCRS) and enter validated metrics on behalf of the ISSM.
- Update and maintain computer security devices such as anti-virus server(s), patch server(s), log server(s), and Network Intrusion Detection device(s).
- Operate and maintain tracking software for user monitoring. Backup firewall and proxy log files to serve as input for tracking software. Retain backup log data for 2 years. Produce monthly reports on Internet usage with the tracking software. Cooperate in investigations of alleged misuse of computer resources under the cognizance of the ISSM.
- Cooperate and assist in investigations of computer incidents including collecting and analyzing log data and IDS data.
- Assist users in removing virus infections and worms from legacy or RTD&E computers and wiping/scrubbing local legacy or RTD&E PCs due to inadvertent disclosure of classified material on the unclassified network..
- Serve as local POC authorized by ISSM to help users take unclassified files from classified systems and create unclassified media following Navy INFOSEC guidelines.
- Monitor Network Forensics (NF) unit or other Intrusion Detection System (IDS) to determine firewall policy violations and attempted hacking.
- Ensure that classified systems have TEMPEST approval requests submitted to the Navy Security Group.
- Ensure Protected Distribution System (PDS) has approval requests submitted to SPAWAR Charleston, SC.
- Conduct an access survey to determine physical security of the site and physical security of buildings and rooms where IS equipment is located.
- Teach IS security awareness classes to all employees and provide briefings to users.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 64 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Conduct initial IS system surveys prior to performing risk assessment.
- Conduct risk assessments of all IS systems and networks.
- Develop contingency plans for all systems.
- Develop ST&E plans.
- Organize teams to perform security test and evaluation on each system prior to requesting accreditation.
- Perform IS security consultation duties.
- Provide evaluation analysis survey of new security products.

Software Development and Maintenance Services

NSWC Corona develops and maintains Management Information Systems covering all Command sites.

The contractor shall provide system configuration management; ADP applications methodology development; development and documentation logistics; applications runstream development and programming; training on vendor supplied software; developing, enhancing, testing, debugging, and maintaining various administrative software systems and related services.

Specific Requirements. The contractor shall provide the following services:

- Software enhancement and maintenance. All services associated with the development, enhancement and on going maintenance of specified administrative software systems, including data base development, graphics statistics and artificial intelligence, as well as other systems. All computer programs shall comply with the standards and conventions of DOD, DON and Systems Engineering Directorate directives, and shall employ structured top down design. The contractor shall use the appropriate programming language methodology to satisfy this requirement.
- Configuration Management Services. The contractor shall provide complete documentation for all software development and maintained, including POA&M, psuedocode, flow diagrams, decision tables/trees; as well as function requirements, system development plans, data base schema, data base specifications, program specifications, system and user manuals and program source code. Documentation shall be assembled in a Software Development Notebook and presented to the Government as a deliverable. The notebook shall be updated when changes are made and when software is put on line.
- Security Compliance for software applications: The contractor shall develop and maintain software applications according to Navy Security policies and procedures. All software developed shall be accredited according to Department of Defense (DOD) Information Technology Security Certification and Accreditation Process (DITSCAP). The developers shall test and certify the operation of their code according to Navy Security Policies and DITSCAP. Any changes made to software during the lifetime of the code shall comply with Navy Security Policies and DITSCAP. Developers shall submit re-test and re-certification data per DITSCAP as proof of compliance throughout the lifetime of the software.
- Hardware and software shall meet Navy security standards and comply with all Naval IS Security policies. Developers shall ensure that their code complies with all Navy Information Assurance Vulnerability Alerts/Bulletins, and Task Orders. Developers shall ensure that their code complies with Navy Untrusted Network (UTN) Protect Policy for allowed TCP/IP ports used in their code.
- Develop applications programming documentation standards and make recommendations for their implementation and utilization.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 65 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

- Develop standard operating procedures for applications programming documentation for directorate wide implementation.
- Develop, test, and evaluate procedures for applications and applications-support software, and recommend implementation methodology.
- Perform needs assessment, alternative analysis; and develop functional requirements statements and system development plans for system and user applications.
- Evaluate applications and applications-support software to determine effectiveness and efficiency relative to throughput and job turnaround times.
- Evaluate ADP applications relative to hardware/software functionality.
- Perform services in the areas of hardware/software systems analysis. Make recommendations for applications/applications support software for current and proposed applications.
- Invoke pre written runstreams to produce various reports, and document such systems.
- Provide data entry services.
- Perform varied degrees of systems analysis, programming, and documentation relating to administrative systems.
- Provide audio visual aids, briefing materials, documentation and dissemination of such materials in support of administrative systems.

C.3.2 TECHNICAL, OPERATIONAL, AND ANCILLARY SERVICES

The contractor shall provide the following services in support of the mission and functions of the command. Deliverables described are for example only. Specific deliverables will be specified on an as-required basis.

C.3.2.1 ANALYSIS SERVICES

The contractor shall provide quantitative/qualitative performance analysis of force, system, and component performance and reliability from a variety of data sources including data collected during fleet exercises and tests, missile systems tests, captive carry data, maintenance data, calibration/measurement system tests, and a variety of data bases. This category includes trend analysis, RM&A analysis, mathematical modeling, manipulation and statistical evaluation, engineering analysis, reliability assessment, reconstruction of events from exercises and real world incidents, assessment and evaluation of tests, exercises, and performance.

Deliverables shall include mathematical studies, reliability modeling, performance behavior models, failure analysis, calibration interval analysis, statistical process control, operations research studies, data base reports.

C.3.2.2 SYSTEMS ENGINEERING

The contractor shall provide systems engineering services for the development, implementation, and control of programs, systems, projects, and tasks. This category includes system analysis, concept definition, concept development, system design, system procedures development, preparation of drafts of proposed DOD/MIL Specification and Navy Instruction mandated plans, and supporting documentation, and configuration management.

Deliverables shall include Plans of Action and Milestones (POA&M), Work Breakdown Structures (WBSs), engineering studies, functional descriptions, system/subsystem specifications, operating and maintenance procedures, program management plans, system engineering plans, and operations schedules.

C.3.2.3 SOFTWARE ENGINEERING

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 66 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

The contractor shall provide software engineering services for the development and maintenance of systems, languages, and applications software. This category includes problem definition, requirements analysis, software design, coding, testing, documentation, implementation, coordination, technical and user training, and maintenance. Major software developmental efforts will require utilization of modern Computer Aided Software Engineering (CASE) tools to develop and control software documentation. Other projects will require artificial intelligence (AI) techniques for development and use of expert system tools.

Deliverables shall include source and executable code, specifications, operator instructions, program documentation, user manuals, assistance and training, life cycle documentation, and technical reports.

C.3.2.4 ENGINEERING SERVICES

The contractor shall provide multi disciplined engineering services such as electronic, electrical, mechanical, and industrial, etc. Services include preparation of technical abstracts, hardware requirements analysis, calibration standards, test technology, standard interface development, hardware/software system evaluation, laboratory development and maintenance, configuration control and accounting, process/procedure development, Engineering Change Proposal (ECP) preparation and evaluation, ordnance evaluation, laboratory testing, and metal analysis.

Deliverables shall include technical reports, technical guides/procedures, technical documentation, ECP packages, and related correspondence.

C.3.2.5 ACQUISITION AND PROGRAM MANAGEMENT SUPPORT

The contractor shall provide technical support in Navy acquisition and program management issues. Support includes assisting in policy and procedural definition; evaluation of implementation of various acquisition and program management regulations; and develop and provide training as directed.

Deliverables shall include technical reports, evaluation documents, and training plans.

C.3.2.6 QUALITY ENGINEERING

The contractor shall provide engineering services in support of quality control programs and functions. Services include system and component evaluation and certification, system/equipment installation, checkout and acceptance, analysis of equipment certifications, quality evaluation reporting, software test and certification, personnel training and certification of technical skills, review of systems, procedures, and equipment for conformity with government requirements and specifications, and risk assessments of systems and engineering procedures.

Deliverables shall include technical reports, training plans, and evaluation documents.

C.3.2.7 INTEGRATED LOGISTICS SERVICES

The contractor shall provide engineering, technical, and administrative services for development, implementation, and control of integrated logistics support systems, programs, projects, and tasks. This category includes requirements analysis and identification; capability reviews, alternatives analysis; support system design and planning; site preparation, scheduling, and manning requirements; quality assurance; configuration management; assistance with Independent Logistic Assessments, shipping, receiving, handling, and warehousing services; and training.

Deliverables shall include Integrated Logistics Services (ILS) plans; acquisition plans; technical manuals and documentation; prototype testing; maintenance plans; program/project plans and schedules; AIS administrative support systems; spare and repair parts listings; reliability, maintainability, and availability analysis and reports; site preparation and manning plans; equipment and parts inventories; systems and operations training, and risk assessment reports.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 67 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

C.3.2.8 CONFERENCE, WORKSHOP, AND TRAINING

The contractor shall provide services to support program/project conferences and workshops, and provide training in areas not provided by the Government. These tasks include preparation of materials, plans, discussion outlines, presentations and schedules; logistics support; briefings and presentations for technical conferences and workshops; and development and deliver of training courses using a variety of media including audio visual, video and self paced individualized instruction.

Deliverables shall include view graphs, texts, discussion outlines, formal handouts, training plans, schedules, and course materials.

The Government will not allow costs, nor reimburse costs associated with the contractor training employees in an effort to attain and/or maintain minimum personnel qualified to perform under this task order.

C.3.2.9 DOCUMENTATION SERVICES

The contractor shall provide documentation support services for preparation of formal reports, letters, memoranda, presentation draft specifications and instructions, instrumented calibration procedures, and program/project/task documentation. This category shall include technical writing, technical editing, technical illustration and drafting, word processing and proofing, binding, and reprographics (hardcopy, electronic, and microform).

C.3.2.10 DATA CONVERSION SERVICES

The contractor shall provide data conversion services for media to media conversion, including document or automated data to microform, manual to automated data, Computer aided Acquisition and Logistics Support (CALS) related conversions, foreign magnetic media to in house standard files or tapes, and automated data to hardcopy lists, documents, or microform.

C.3.2.11 AUTOMATED INFORMATION SYSTEMS SERVICES

The contractor shall provide a full range of AIS services to include data editing, data entry, data verification and validation, data extraction, data reduction, data interfacing, data archiving, file/data base manipulation, data maintenance, output of data products, and associated functions to ensure data and file/data base integrity.

C.3.2.12 DATA CONTROL AND DISTRIBUTION

The contractor shall provide data control and distribution of command documents, data, and correspondence in conformance with government regulations, standards, specifications and directives. This category shall include technical library and data vault operation and maintenance, mail distribution, courier services, data inventory and accountability, security marking and identification, and data disposition (packaging, labeling, shipping, and destruction).

C.3.2.13 OPERATION AND MAINTENANCE

The contractor shall provide operation, maintenance, and management of facilities sites, systems, equipment, and data bases. This category includes instrumentation telemetry sites and equipment, facility for calibration equipment preparation/packaging/shipping, data collection vans and devices, test systems and sets, and installation and de installation of equipment.

Deliverables shall include logs, reports, production and maintenance schedules, and hardware.

C.3.2.14 INVENTORY CONTROL

The contractor shall provide inventory control services for hardware, documents, software, and supplies, and includes physical custody and other supply and/or audit records of automated test equipment/test program sets, activity accreditation schedules, instruments, AIS supplies, program project materials, documents, microforms,

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 68 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

and GFE property, equipment, tools, and materials.

Deliverables shall include logs and reports.

C.3.2.15 DATA COLLECTION

The contractor shall perform data collection services including on site collection of fleet exercise and test data aboard ships, aircraft, and stations; preparation of test and exercise data collection plans; collection of data regarding system and component history, life cycle data from various systems, components and equipment, source data from various stations and units of the shore establishment.

C.3.2.16 AIS TRAINING

The contractor shall provide systematic, incremental training instruction to military, civilian, and contractor personnel for in depth efficient use of computer systems, AIS resources, and corresponding peripherals. Training shall be flexible enough to include many levels of instruction and stages for instruction. Training will vary between large groups versus small groups and experienced users versus beginning users. As a minimum, training materials shall include a functional description, training course outline (or syllabus), and a training course guide, which shall contain pertinent quiz questions, a glossary, and a table of contents.

C.3.2.17 ENVIRONMENTAL SUPPORT SERVICES

The contractor shall provide environmental support services for the development, implementation, and control of programs, projects, and tasks related to air pollution, National Environmental Policy Act (NEPA), pollution abatement, water, and other environmental support.

Deliverables shall include surveys, studies, reports; risk analysis environmental impact reviews/audits; requirements documentation, alternatives analysis; countermeasures identification; environmental audits; training on environmental principals and practices.

C.3.3 ORGANIZATIONAL CONFLICT OF INTEREST

In addition to the H.12 Organizational Conflict of Interest provisions of the basic contract, the Contractor shall adhere to the following provisions during the performance of this task order.

If the Contractor provides technical evaluation of products or advisory and assistance services, the Contractor shall not provide such services if the services relate to the Contractor's own or a competitor's products or services unless proper safeguards are maintained to ensure objectivity.

If the Contractor gains access to proprietary information of other companies in performing advisory and assistance services for the Government, the Contractor agrees to protect this information from unauthorized use or disclosure and to refrain from using the information for any purpose other than that for which it was furnished. A separate agreement shall be entered into between the Contractor and the company whose proprietary information is the subject of this restriction. A copy of this agreement shall be provided to the Contracting Officer and the Seaport TOM.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 69 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

SECTION D PACKAGING AND MARKING

DATA PACKAGING LANGUAGE (5503)

All unclassified data shall be prepared for shipment in accordance with best commercial practice. Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M dated January 1995.

MARKING OF REPORTS (NAVSEA) (SEP 1990) (5506)

All reports delivered by the Contractor to the Government under this contract shall prominently show on the cover of the report:

- (1) name and business address of the Contractor;
- (2) contract number;
- (3) task order number;
- (4) sponsor: _____
(Name of Individual Sponsor);

(Name of Requiring Activity)

(City and State)

PROHIBITED PACKING MATERIALS (5512)

The use of asbestos, excelsior, newspaper or shredded paper (all types including waxed paper, computer paper and similar hygroscopic or non neutral material) is prohibited. In addition, loose fill polystyrene is prohibited for shipboard use.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 70 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

INSPECTION AND ACCEPTANCE TERMS

Services/Supplies will be inspected/accepted at Destination by the Government for all Contract Line Item Numbers and Sub-Contract Line Item Nubmers as identified in Section "B" of this task order.

52.246-3 Inspection of Supplies-Cost Reimbursement MAR 2001

52.246-5 Inspection of Services Cost-Reimbursement APR 1984

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 71 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

NOTE: SECTION F HAS ALSO BEEN INCLUDED AS AN EXHIBIT DUE TO DIFFICULTY READING IT IN THE SEAPORT PORTAL BECAUSE OF FORMATTING ISSUES. PLEASE SEE EXHIBIT D.

All terms and conditions of the basic contract shall apply in addition to the following.

52.242-15 STOP-WORK ORDER (AUG 1989) Alternate I (APR 1984)

52.247-34 F.O.B. DESTINATION (NOV 1991)

PERIOD OF PERFORMANCE

CLIN/SCLIN	FROM	TO
0001AA	1 JUNE 2005	31 MAY 2006
0003AA	1 JUNE 2005	31 MAY 2006
0001GA	1 JUNE 2006	31 MAY 2007
0003GA	1 JUNE 2006	31 MAY 2007
0001MA	1 JUNE 2007	31 MAY 2008
0003MA	1 JUNE 2007	31 MAY 2008
0001SA	1 JUNE 2008	4 APRIL 2009
0003SA	1 JUNE 2008	4 APRIL 2009
0004AA	5 APRIL 2009	31 MAY 2009
0006AA	5 APRIL 2009	31 MAY 2009
0004GA	1 JUNE 2009	31 MAY 2010
0006GA	1 JUNE 2009	31 MAY 2010

Concerning the Sub contract Line Item Number (SLIN) structure above, all SLINs other than 0001SA, 0003SA, 0004AA and 0006AA are for a one year period of performance. SLINs 0001SA and 0004AA, when combined, consist of the 4th year of task order performance (labor and award fee) and SLINs 0003SA and 0006AA consist of the 4th year of Other Direct Cost (ODC) estimates. The reason for the split in the 4th year of performance is due to the Contract Line Item Number (CLIN) structure of the basic contract. CLINs 0004 and 0006 are award term CLINs under the basic contract, and must be earned before they can be awarded. Therefore, performance under SLINs 0004AA, 0004GA, 0006AA and 0006GA of this task order are contingent upon award of CLINs 0004 and 0006 of the basic contract.

F.4 PERIOD AND PLACE OF PERFORMANCE AND WORKING HOURS

F.4.1 PERIOD OF PERFORMANCE

The Period of Performance for this task order begins on date of award through five (5) years and subject to the availability of Government funds.

The Project Start Date shall be within 30 days of task order award.

F.4.2 PLACE OF PERFORMANCE

The majority of the work shall be performed at the contractor's facilities. When necessitated, and considered as cost effective, work shall be performed at the Naval Surface Warfare Center, Corona (NSWC, Corona) and other locations. It shall be the contractor's responsibility to ensure that all such services remain non-personal and to bring to the attention of the Task Order Manager (TOM) any irregularities.

Approximately 90% of the personnel currently working on this task are located in Corona, CA. Based upon current and anticipated requirements, the Government will provide limited workspace on station. Based upon

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 72 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

project requirements, government provided workspaces may be assigned in other geographic locations such as Naval Station, Norfolk, VA.; and San Diego, CA.

The majority of technical services shall be performed in space provided by the contractor located geographically within a 30 minute driving distance from NSWC Corona. The contractor may be required to provide spaces in other geographic locations in support of specific project requirements.

F.4.3 WORKING HOURS

The normal working shift shall coincide with the regular working shift of the organization being supported. The contractor shall observe the same holidays as are observed by the Government.

F.5 TASK ORDER SCHEDULE AND MILESTONE DATES

EXHIBIT D REVISED provides an updated schedule of milestones that will be used by the Government to monitor timely progress on this task order. In this schedule, DOA designates Date of Award and PS designates Project Start. This schedule is required to meet mission objectives. Variances to this schedule will be reviewed and may or may not be acceptable.

NOTE: PARAGRAPH F.6 NOT USED.

F.7 PLACE OF DELIVERY

Originals of all correspondence requiring signature, such as copies of invoices, etc. shall be delivered to the Task Order Manager at the following address:

Naval Surface Warfare Center, Corona Division

P.O. Box 5000

Corona, CA 92878-5000

Electronic submission of all other deliverables shall be delivered via email to the Task Originator or the Task Order Manager at TBD.

All deliverables that cannot be delivered electronically shall be delivered to:

Naval Surface Warfare Center, Corona Division

P.O. Box 5000

Corona, CA 92878-5000

Copies of monthly status reports, and invoices shall be submitted to the Task Order Manager at the following address:

Naval Surface Warfare Center, Corona Division

P.O. Box 5000

Corona, CA 92878-5000

F.8 DELIVERABLE TYPES

The specific formats for deliverables referenced in this task order shall be developed and agreed upon by the

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 73 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

Contractor and the Government after Task Order award.

F.9 WRITTEN DELIVERABLES

The Contractor's Project Manager and a technical editor shall review, approve, and sign all draft and final documents before being delivered to the client.

F.10 DELIVERABLES MEDIA

The specific media and file formats for deliverables referenced in this task order shall be developed and agreed upon by the Contractor and the Government after Task Order award.

F.11 NOTICE REGARDING LATE DELIVERY

The Contractor shall notify the Task Originator as soon as it becomes apparent to the Contractor that a scheduled delivery will be late. The Contractor shall include in the notification the rationale for late delivery, the expected date for the delivery and the project impact of the late delivery. The Task Originator may involve the TOM review the new schedule and provide guidance to the Contractor via a task order modification.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 74 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

SECTION G CONTRACT ADMINISTRATION DATA

INVOICING

The contractor is not authorized to submit invoices directly to DFAS for payment. All invoices must be processed through the NSWC Corona Division vendor pay office. Original invoice(s) shall be submitted to the TASK ORDER MANAGER (TOM) at the address as shown below with a copy to the PURCHASING OFFICE REPRESENTATIVE. After review, the TOM shall forward the invoice(s) to the NSWC Crane Division Vendor Pay Office at the address as shown below:

NSWC Corona, VENDOR PAY, CODE 021, P.O. Box 5000, Corona, CA 92878-5000, Email:
M_CRNA_INVOICE@Navy.mil

DFAS has decided not to execute its plan to start rejecting invoices for non-compliance with DFARS 252.232-7003 clause which requires the use of an electronic commerce alternative for invoice submissions. The delayed execution is based on the current performance issues with Wide Area Work Flow (WAWF). Therefore, the contractor is authorized to submit "hard copy" invoices.

The data elements indicated below shall be included on each invoice.

Task order number
Paying Number)
Seaport Project No.:
Project Title: NSWC Corona Information Systems Support

SPECIAL PAYMENT/INVOICE INSTRUCTIONS

Payment is not to be pro-rated accross ACRNS.
ACRNS are to be paid in accordance with contractor's invoice.
Contractor shall invoice per ACRN.

G.4 COST REIMBURSABLE CLINS

The Contractor may invoice monthly on the basis of cost incurred for CLINs for Travel. The invoice shall include the period of performance covered by the invoice and the CLIN number and name. In addition, the Contractor shall provide the following detailed information for each invoice submitted, as applicable. Spreadsheet submissions are preferred.

Project Total Travel: This will identify all current and past travel, on the project and their total Project costs billed. The listing shall include separate columns and totals for the current invoice period and the project to date.

CLIN/Task Total Travel: This will identify all current and past travel on the project and their total CLIN/Task costs billed. The listing shall include separate columns and totals for the current invoice period and the project to date.

G.5 LIMITATION OF COSTS

FAR Clause 52.232.20, applies to this task order on a Contract Line Item Number (CLIN) basis. The notification required by the subject clause on the part of the Contractor shall be made in writing to the Contracting Officer. In the event the task order is not funded beyond the estimated cost set forth in the schedule, the Contractor shall deliver to the Contracting Officer all data collected and material produced, in process or acquired, in connection

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 75 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

with the performance of the task order together with a summary report (in three copies) of its progress and accomplishments to date.

INVOICES FOR CLASSIFIED CONTRACTS

To prevent disclosure of classified information, invoices submitted under this contract shall be so prepared that the supplies or services covered thereby can be identified only by reference to the contract. For example, the invoices may state "Contract Number, Item 0001, 100 EA @ .". The security classification shown on the contract shall not appear on the invoice.

CONTRACT ADMINISTRATION DATA LANGUAGE (5802)

Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the task order if such address is different from the address shown on the proposal.

SECURITY ADMINISTRATION (5806)

The highest level of security required under this task order is TOP SECRET as designated on DD Form 254 attached hereto and made a part hereof.

Task Order Manager
NSWC Corona
Commanding Officer
Attn: Margaret Price
P.O. Box 5000
Corona, Ca 92878-5000
Telephone No. 951-273-4587
margaret.price@navy.mil

Alternate Task Order Manager
Steve Vannier
Commanding Officer
NSWC Corona
P.O. Box 5000
Corona, Ca 92878-5000
Telephone No. 951-273-4099
Email: Stephen.vannier@navy.mil

Purchasing Office Representative
Michelle (Micki) Beltran
CODE 01A
Commanding Officer
NSWC Corona
P.O. Box 5000
Corona, Ca 92878-5000
Telephone No. 951-273-4626
Email: michelle.beltran@navy.mil

CONTRACTOR PERFORMANCE ASSESSMENT RATING SYSTEM (CPARS) (JAN 2001)

(a) Pursuant to FAR 42.1502, this task order is subject to DoD's Contractor Performance Assessment System (CPARS). CPARS is an automated centralized information system accessible via the Internet that maintains reports of contractor performance for each contract/task order. CPARS is located at <http://www.cpars.navy.mil/>.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 76 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	-------------------	-------

Further information on CPARS is available at that web-site.

(b) Under CPARS, the Government will conduct annual evaluations of the contractor's performance. The contractor has thirty (30) days after the Government's evaluation is completed to comment on the evaluation. The opportunity to review and comment is limited to this time period and will not be extended. Failure to review the report at this time will not prevent the Government from using the report.

(c) The contractor may request a meeting to discuss the CPAR. The meeting is to be requested via e-mail to the CPARS Program Manager no later than seven days following receipt of the CPAR. A meeting will then be held during the contractor's 30-day review period.

(d) The CPARS system requires the Government to assign the contractor a UserID and password in order to view and comment on the evaluation. Provide the name(s) of at least one individual (not more than three) that will be assigned as your Defense Contractor Representative for CPARS.

Name Phone E-mail Address (optional)

```

Accounting Data
SLINID  PR Number                Amount
-----
110001  N6426770604788
LLA :
AA 97X4930 NH1M 000 77777 0 064267 2D 000000 101407101400
SUBTASK 25

110002  N6426770604791
LLA :
AE 97X4930 NH1M 000 77777 0 064267 2D 000000 FT320TSH6329
SUBTASK 25

110003  N6426770604792
LLA :
AF 97X4930 NH1M 000 77777 0 064267 2D 000000 FT320TSA7329
SUBTASK 25

110004  N6426770584572
LLA :
AB 97X4930 NH1M 000 77777 0 064267 2D 000000 PE30DHOM7321
SUBTASK 05

110005  N6426770604797
LLA :
AG 97X4930 NH1M 000 77777 0 064267 2D 000000 FT3006FT1470
SUBTASK 25

110006  N6426770604790
LLA :
AH 97X4930 NH1M 000 77777 0 064267 2D 000000 FT310TPJ7319
SUBTASK 25

110007  N6426770604793
LLA :
AJ 97X4930 NH1M 000 77777 0 064267 2D 000000 FT330TUC7339
SUBTASK 25

110008  N6426770644926
LLA :
AL 97X4930 NH1M 000 77777 0 064267 2D 000000 FT310TQS7319
SUBTASK 14

```

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 198 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

NAVSEA 5252.202 9101 ADDITIONAL DEFINITIONS (MAY 1993)

As used throughout this contract, the following terms shall have the meanings set forth below:

- (a) DEPARTMENT means the Department of the Navy.
- (b) REFERENCES TO THE FEDERAL ACQUISITION REGULATION (FAR) All references to the FAR in this contract shall be deemed to also reference the appropriate sections of the Defense FAR Supplement (DFARS), unless clearly indicated otherwise.
- (c) REFERENCES TO ARMED SERVICES PROCUREMENT REGULATION OR DEFENSE ACQUISITION REGULATION All references in this document to either the Armed Services Procurement Regulation (ASPR) or the Defense Acquisition Regulation (DAR) shall be deemed to be references to the appropriate sections of the FAR/DFARS.
- (d) NATIONAL STOCK NUMBERS Whenever the term Federal Item Identification Number and its acronym FIIN or the term Federal Stock Number and its acronym FSN appear in the contract, order or their cited specifications and standards, the terms and acronyms shall be interpreted as National Item Identification Number (NIIN) and National Stock Number (NSN) respectively which shall be defined as follows:

(1) National Item Identification Number (NIIN). The number assigned to each approved Item Identification under the Federal Cataloging Program. It consists of nine numeric characters, the first two of which are the National Codification Bureau (NCB) Code. The remaining positions consist of a seven digit non significant number.

(2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

ALLOTMENT OF FUNDS (MAY 1993) (NAVSEA 5252.232-9104)

(a) This task order is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this task order for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available and allotted to this task order for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this task order entitled "LIMITATION OF FUNDS" (FAR 52.232 22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

ITEM(S)	ALLOTED TO COST	ALLOTED TO FEE	ESTIMATED PERIOD OF PERFORMANCE
\$	\$		

(b) The parties contemplate that the Government will allot additional amounts to this task order from time to time for the incrementally funded CLINs/SLINs by unilateral task order modification, and any such modification

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 199 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs are fully funded and performance under these CLINs/SLINs is subject to the clause of this task order entitled "LIMITATION OF COST" (FAR 52.232 20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232 21), as applicable.

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

SUBSTITUTION OF PERSONNEL (SEP 1990) (NAVSEA 5252.237-9106)

(a) The Contractor agrees that a partial basis for award of this task order is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this task order those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the task order.

No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.

(b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

H20S INSURANCE - WORK ON A GOVERNMENT INSTALLATION

The following types of insurance are required in accordance with the clause entitled, Insurance - Work On A Government Installation (FAR 52.228-5), and shall be maintained in the minimum amounts shown:

(1) Comprehensive General Liability: per person and per accident for bodily injury.

(2) Automobile Insurance: per person and per accident for bodily injury and per accident for property damage.

(3) Standard Workmen's Compensation and Employer's Liability Insurance (or, where maritime employment is involved, Longshoremen's and Harbor Worker's Compensation Insurance) in the minimum amount of .

H30S LIMITATION OF LIABILITY - INCREMENTAL FUNDING (JUN 2004)

This task order is incrementally funded and the amount currently available for payment hereunder is limited to inclusive of fee, profit and all other charges. The clause entitled, Limitation of Funds (FAR 52.232-22), applies. The Government is not obligated to reimburse the Contractor for costs incurred in excess of this amount unless additional funds are made available and are incorporated as a modification to this task order.

H81S TRAVEL COSTS AND RESPONSIBILITIES

(a) Performance under this task order may require travel by contractor personnel. If travel, domestic or overseas, is required, the Contractor shall be responsible for making all needed arrangements for his personnel.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 200 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

This includes, but is not limited to, medical examinations; immunizations; passports, visas, etc. and security clearances. If any work will take place on a U.S. Navy vessel, the Contractor shall obtain boarding authorization for all contractor personnel from the Commanding Officer of the vessel. Authorization shall be obtained prior to boarding.

(b) The Government will reimburse the Contractor for allowable travel costs incurred by the Contractor in performance of the task order in accordance with FAR subpart 31.2 or 31.3 as applicable.

HC25S ACCESS TO GOVERNMENT SITE (JUN 2004)

(a) Contractor personnel shall comply with all current badging and security procedures required to gain access to any Government site. The Contractor shall ensure that Contractor personnel employed on any Government site become familiar with and obey Activity regulations. Contractor personnel shall not enter restricted areas unless required to do so and until cleared for such entry. The Contractor shall request permission to interrupt any activity roads or utility services in writing a minimum of 15 calendar days prior to the date of interruption. Contractor personnel shall bear personal protective equipment in designated areas. All contractor equipment shall be conspicuously marked for identification.

The contractor shall strictly adhere to Federal Occupational Safety and Health Agency (OSHA) Regulations, Environmental Protection Agency (EPA) Regulations, and all applicable state and local requirements.

HG10S CONTRACTUAL AUTHORITY AND COMMUNICATIONS (JUN 2004)

(a) Except as specified in subparagraph (b) below, no order, statement, or conduct of any Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this task order shall constitute a change under the Changes clause of this task order.

(b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this task order.

(c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this task order and, notwithstanding provisions contained elsewhere in this task order, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the task order price to cover any increase in charges incurred as a result thereof.

H.3 GOVERNMENT FURNISHED ITEMS

H.3.1 GOVERNMENT FURNISHED EQUIPMENT (GFE)

Equipment and Property. The equipment and property listed in Attachment A - Government Furnished Equipment (GFE) will be provided to the contractor as government furnished property. Replacement of current GFE or acquisition of new equipment will be evaluated on a case by case basis to determine whether it will be GFE or contractor furnished equipment (CFE)

Maintenance. The contractor shall conduct a preventive maintenance program as approved for government furnished equipment. The program shall include written procedures for the test, repair, and calibration of each device, and the frequency at which maintenance checks will be made.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 201 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

H.3.2 GOVERNMENT FURNISHED INFORMATION

Attachment B - Government Furnished Information contains a list of Government Furnished Information that will be provided to the contractor. Some of this information can be accessed via the internet. Instructions are provided in the attachment where applicable.

H.8 SECURITY REQUIREMENTS

Security classifications of the work to be performed will range from unclassified through top secret.

Facilities. The contractor shall furnish the facilities required to house and maintain proper and efficient work areas for data ranging up through top secret.

The contractor shall submit a comprehensive security plan that will ensure compliance with the Industrial Security Manual to ensure proper protection of classified data, material, and equipment. The plan will include, but not be limited to, the physical security and integrity of spaces, the badging of personnel and personnel access control, physical security orientations and briefings, compliance with Navy security regulations, when housed on Navy property, and the security of exhibit and conference areas at workshops and clinics.

NOTE: Attachment C - Current Positions contains the list of personnel positions on the current support contract and the security clearance requirements for those positions.

H.9 PERSONNEL

H.9.1 KEY PERSONNEL

The following are the suggested minimum personnel who shall be designated as "key". The contractor shall propose appropriate labor categories for these positions. The implication of "suggested" is that the Government does not intend to dictate the composition of the ideal team to perform this task order.

1. Contract/Subcontract Administration, Contracts Director
2. Finance/Accounting, Controller
3. Project Management, Managing Director
4. Information Technology, Information Technology Manager
5. Quality Management, Senior Process Engineer
6. Security, Security and Safety Manager
7. Aegis Combat Systems Support, Information Technology Manager (2 positions)
8. Metrology Program Support, Information Technology Manager
9. Missile Systems Engineering Analysis, Information and Support Services, Information Technology Manager
10. Technical Services for the Government Industry Data Exchange Program, Information Technology Manager
11. Trouble Systems Process Support Services, Information Technology Manager
12. Trouble Systems Process Support Services, Systems Engineer

Key personnel must be assigned for the duration of the task order, and may be replaced or removed subject to

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 202 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

Section H.9.4 Contractor Substitution of Personnel and H.9.5 Unsatisfactory Performance by Contractor Personnel of the basic Contract.

H.9.8 SPECIALIZED DISCIPLINES

H.9.8.1

Related SOW Task	Contract/Subcontract Administration
Security Clearance	Secret
Job Title	Contracts Director

The Contractor shall propose a Contracts Director possessing demonstrated experience providing Contractor Task Order Administration and Status Reporting for projects similar in size and scope to the NSWC Corona requirements detailed in this TOR.

The Offeror's Contracts Director shall have demonstrated experience (including experience with subcontracting) appropriate to be overall responsible for contractor Task Order Administration and Status Reporting.

The Contracts Director shall demonstrate experience with the cost and schedule reporting requirements similar to the requirements detailed in this TOR.

The Contracts Director shall demonstrate experience with the administration of Cost plus Fixed Fee (CPFF) and Cost Reimbursable Contracts or Task Orders similar in size and scope to the Task Order that will result from the award of this TOR.

H.9.8.2

Related SOW Task	Finance/Accounting
Security Clearance	None
Job Title	Controller

The Contractor shall propose a Controller possessing demonstrated experience providing Financial Management and Status Reporting for Contracts or Task Orders similar in size and scope to the NSWC Corona requirements detailed in this TOR.

The Offeror's Controller shall have demonstrated experience (including experience with subcontracting) appropriate to be overall responsible for Financial Management of this Task Order.

The Offeror's Controller shall demonstrate experience with the cost reporting requirements similar to the requirements detailed in this TOR.

The Offeror's Controller shall demonstrate experience with the Financial management of Cost plus Fixed Fee (CPFF) and Cost Reimbursable Contracts or Task Orders similar in size and scope to the Task Order that will result from the award of this TOR.

H.9.8.3

Related SOW Task	Project Management
Security Clearance	Secret
Job Title	Managing Director

The Contractor shall identify a Managing Director to serve as the Government's point of contact and to provide technical supervision and guidance for all contractor personnel assigned to this Task Order. The Managing Director shall assign taskings to contractor/subcontractor personnel, supervise on-going technical efforts, and manage contract performance.

The Offeror's Managing Director shall have demonstrated directly related experience appropriate to manage a Task Order of this scope and magnitude.

The Offeror's Managing Director shall have demonstrated directly related experience appropriate to be responsible

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 203 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

for overall Task Order performance programs supported in the areas of NAVSEA, NAVAIR, OPNAV, SPAWAR, Atlantic and Pacific Fleets and Ballistic Missile Defense Organization. Experience in the following disciplines is desirable:

- Missile Flight Analysis,
- Cooperative Engagement Capability,
- Systems Integration Testing,
- Reliability Engineering,
- Missile Telemetry,
- Weapons Impact Scoring,
- Certification of Electronic Hardware,
- Metrology, and
- Gage Engineering.

The Offeror's Managing Director shall have managed a major segment of the Contractor's organization, with responsibility for planning, budgeting, organization, staffing, and managerial and technical performance within Task Order scope and funding parameters.

The Managing Director shall demonstrate an understanding of NSWC Corona operational and technical requirements and functions described in the Statement of Work.

The Managing Director shall possess excellent written and verbal communication skills. The Program Manager shall demonstrate the ability to present material to government contracts, technical, and management personnel up to the SES/Flag Officer level.

H.9.8.4

Related SOW Task	Information Technology
Security Clearance	Secret
Job Title	Information Technology Manager

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization in the areas of System Design and Implementation, Database Design and Normalization, Management of Software Development Projects, and data communications in an environment similar to the Joint Warfare Assessment Laboratory.

The Offeror's Information Technology Manager shall be knowledgeable in Cisco Routing and Configuration, Com hubs, switches, and routers, encryption key updates, and operation and maintenance of audio-visual multimedia projector systems including video teleconference system (VTC).

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 204 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

H.9.8.5

Related SOW Task Quality Management
Security Clearance Secret
Job Title Senior Process Engineer

The Contractor shall propose a Senior Process Engineer possessing demonstrated experience providing development and management of Quality Programs for Contracts or Task Orders similar in size and scope to the NSWC Corona requirements detailed in this TOR.

The Offeror's Senior Process Engineer shall have demonstrated experience appropriate to be overall responsible for Quality Management of this Task Order.

The Offeror's Senior Process Engineer shall demonstrate experience with the cost reporting requirements similar to the requirements detailed in this TOR.

The Offeror shall provide a Senior Process Engineer with education and experience appropriate to provide quality management direction and Senior Process Engineer functions.

The Offeror's Senior Process Engineer shall have demonstrated knowledge of the following:

- Establishing and maintaining an ISO 9000 registered quality system,
- Baldrige Criteria,
- Quality Training Program,
- Process Development,
- Internal Process Auditing, and
- Continuous Quality Improvement.

H.9.8.6

Related SOW Task Security
Security Clearance Top Secret
Job Title Security and Safety Manager

The Offeror shall provide a Security Manager with demonstrated security and safety management experience in an environment similar to the NSWC Corona environment described in this TOR. Requires a Top Secret Clearance, completion of the course studies in "Essentials of Industrial Security Management" and "Protecting Secret and Confidential Documents", plus additional COMSEC training.

The Security Manager's demonstrated security and safety management experience shall include computer security procedures, system accreditation; security test and evaluation; and security.

The Security Manager shall have extensive specialized experience managing or implementing DoD information security, and security policies and procedures

It is desirable that the Security Manager have specialized experience in training personnel on DoD security policies and procedures.

H.9.8.7

Related SOW Task Aegis Combat Systems Support
Security Clearance Secret
Job Title Information Technology Manager (2 positions)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 205 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

The Offeror's Information Technology Manager shall have demonstrated Aegis Combat Systems Support experience. Candidates must have extensive knowledge of Naval warfare assessment and U. S. Navy's ship testing of AEGIS, Cooperative Engagement Capability (CEC) and Underway capabilities. Also, candidates should have direct exercise data management, telemetry data collection, range instrumentation, and network operations experience. Candidates should have experience in Fleet Exercise.

One candidate should have knowledge of or experience with the AEGIS Test Team data processing center. Experience in maintaining and troubleshooting the AEGIS Performance Assessment Network (APAN) would be desirable.

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization.

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall have demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

H.9.8.8

Related SOW Task	Metrology Program Support
Security Clearance	Secret
Job Title	Information Technology Manager

The Offeror's Information Technology Manager shall have demonstrated directly related metrology experience. The Offeror's Information Technology Manager shall have in-depth understanding of metrology. The Offeror's Information Technology Manager should have extensive technical knowledge and experience with the following:

- Navy/DOD calibration program requirements and implementation
- The development of calibration requirements analysis;
- Technical training;
- Test and measuring equipment design, development, production, and analysis; and
- Technical documentation research and development.

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization.

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall have demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

H.9.8.9

Related SOW Task	Missile Systems Engineering Analysis, Information
------------------	---------------------------------------------------

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 206 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

and Support Services
Security Clearance Secret
Job Title Information Technology Manager

The Offeror's Information Technology Manager shall have demonstrated Missile Systems Engineering Analysis, Information and Support experience. The Offeror's Information Technology Manager should have extensive experience with U.S. Navy surface missile weapon systems, validation and verification techniques used in processing of missile history data and be knowledgeable in relational databases and concepts.

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization.

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall have demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

H.9.8.10

Related SOW Task Technical Services for the Government Industry
Data Exchange Program
Security Clearance None
Job Title Information Technology Manager

The Offeror's Information Technology Manager shall have demonstrated Government Industry Data Exchange Program experience in the daily functions of the GIDEP Program. These functions include but are not limited to data processing, graphics design, telecommunications implementation, marketing, training and technical support.

At the program level the Offeror's Information Technology Manager should have experience interfacing with High Level Corporate Executives as well as High Ranking Government and Military Officials.

The Offeror's Information Technology Manager should have knowledge of conducting Marketing Exhibitions and Clinics and experience in managing Help Desk functions in support of overall GIDEP Program.

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization.

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall have demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

H.9.8.11

Related SOW Task Trouble Systems Process Support Services
Security Clearance Top Secret
Job Title Information Technology Manager

The Offeror's Information Technology Manager shall have demonstrated Trouble Systems Process Support

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 207 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

experience and extensive experience in US Navy Combat Systems, US Navy logistics systems, knowledge of principle customers' requirements, extensive Fleet and waterfront contacts.

The Offeror's Information Technology Manager shall have demonstrated directly related experience managing and directing a major segment of the Contractor's organization.

The Offeror's Information Technology Manager shall have demonstrated experience appropriate for planning, scheduling, monitoring, and controlling all work performed by that segment.

The Offeror's Information Technology Manager shall have demonstrated experience reviewing tasking requirements and defining resources required to provide services and products desired.

The Offeror's Information Technology Manager shall have demonstrated the capability to coordinate technical and resource matters with cognizant government officials and be responsible for providing non personal services to the government in a most cost-effective manner.

H.9.8.12

Related SOW Task	Trouble Systems Process Support Services
Security Clearance	Secret
Job Title	Systems Engineer

The Offeror's Systems Engineer shall have demonstrated Trouble Systems Process Support experience and extensive experience in US Navy Combat Systems, US Navy logistics systems, engineering plants and knowledge of principle customers' requirements with extensive Fleet and waterfront contacts.

The Offeror's Systems Engineer shall have extensive US Navy expertise, including familiarity with Navy chain of command; command infrastructure; Navy Program Office hierarchy; ships; tactics; C4I systems; combat systems - and the interrelationships between both; logistics; and current Navy data collection systems.

The Offeror's Systems Engineer shall have a extensive experience in the planning, organizing, and scheduling activities of an engineering group.

The Offeror's Systems Engineer shall have knowledge and experience appropriate to assign personnel and monitor and direct their activities and be responsible for quality control and quality assurance aspects of output products.

The Offeror's Systems Engineer shall be fully capable of working alone, defining user and systems requirements, and directing lower level engineering or technical personnel.

The Offeror's Systems Engineer shall have demonstrated experience in the following:

- Feasibility studies,
- Engineering studies,
- Performance analysis,
- Workflow studies,
- Developing Reliability Block Diagrams used to assess reliability and maintainability of weapon systems,
- Weapons systems and associated support equipment performance analysis, design, change, RM&A, ILS, and engineering tasks.
- engineering quality review,
- Engineering and technical documentation,

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 208 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

- Reliability/maintainability engineering, and
- Configuration requirements for various weapons and support/test systems.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 209 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

SECTION I CONTRACT CLAUSES

Note: All the provisions of SECTION I of the basic contract apply to this task order (unless otherwise specified in the task order) plus the following:

52.204-7 Central Contractor Registration (Oct 2003)

52.215-9 Changes or Additiona to Make-or-Buy Program (Oct 1997)

52.222-19 Child Labor-Cooperation with Authorities and Remedies (Jan 2004)

52.222-41 Service Contract Act (1965)

52.223-5 Pollution Prevention and Right-to-Know Information (Aug 2003)

52.223-10 Wast Reduction Program (Aug 2000)

52.232-20 Limitation of Costs (Apr 1984)

52.232-22 Limitation of Funds (Apr 1984)

52.237-02 Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)

52.244-02 Subcontracts (Aug 1998) - Alt I (Aug 1998)

52.245-05 Government Property (May 2004)

252.223-7006 Prohibition on Storage and Disposal of Toxic and Hazardous Materials (Apr 1993)

252.231-7000 Supplemental Cost Principles (Dec 1991)

52.222-41 Service Contract Act (1965)

52.222-41 Service Contract Act (1965)

52.222-41 Service Contract Act (1965)

52.222-41 Service Contract Act (1965)

52.222-41 Service Contract Act (1965)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. FC02	AMENDMENT/MODIFICATION NO. 77	PAGE 210 of 210	FINAL
----------------------------------	----------------------------	----------------------------------	--------------------	-------

SECTION J LIST OF ATTACHMENTS

Attachment A - Government Furnished Equipment

Attachment B - Government Furnished Information

Attachment C - Current Positions

Attachment D - Project Staffing Plan Table

Attachment E - Task Statement Cost Report

Attachment F - Labor Estimates

Attachment G - DD254 DOD Contract Security Classification Specification

Attachment H - Quality Assurance Surveillance Plan (QASP)

Attachment I - Wage Determinations

Exhibit A - Cost Summary Format

Exhibit B - Past Performance Questionnaire

Exhibit C - Past Performance Cover Letter

Exhibit D - Section F

Exhibit A Cost Summary Format Revised- Reference amendment 01

Exhibit D Revised (Updated Section F) - Reference Amendment 01

Attachment G Revised (DD254) - Reference Amendment 01