

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES
1 20

2. AMENDMENT/MODIFICATION NO.
P00023

3. EFFECTIVE DATE
30 Sep 99

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

6 ISSUED BY CODE

7. ADMINISTERED BY (If other than Item 6) CODE

45TH CONTRACTING SQUADRON
1201 EDWARD H. WHITE II STREET, MS 7200
PATRICK AFB, FL 32925

45 CONS/LGCXA
14640 HANGAR ROAD/CCAS, MS 2037
BLDG 1704/RM 1410
PATRICK AFB, FL 32925-2206

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

SVERDRUP TECHNOLOGY, INC.
600 WM. NORTHERN BLVD, P.O. BOX 884
TULLAHOMA, TN 37388

(X)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
F08650-98-C-0035

10B. DATED (SEE ITEM 13)
04/23/98

CODE

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.

Offer 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 _____ copies 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)

No Change

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

(X) 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.

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).

X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: **MUTUAL AGREEMENT OF THE PARTIES**

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return -1- copies to the issuing office.

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

SEE SCHEDULE

POC: LAURIE ROWE
EMAIL: laurie.rowe@pafb.af.mil
PHONE: (407) 853-0887

MAILING DATE: **SEP 30 1999**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect

15A. NAME AND TITLE OF SIGNER (Type or print)
VICKI LOCKARD
Contracts Manager

16A. NAME AND TITLE OF SIGNER (Type or print)
LINDA S. KRAGER
CONTRACTING OFFICER

15B. CONTRACTOR/OFFEROR
Vicki Lockard
(Signature of person authorized to sign)

15C. DATE SIGNED
30 Sept 99

16B. UNITED STATES OF AMERICA
BY *Linda S. Krager*
(Signature of Contracting Officer)

16C. DATE SIGNED
30 Sep 99

CONTINUATION OF SF-30

1. The purpose of this supplemental agreement is to finalize the agreement of the parties as follows:

- a. Reduce the level of support for the period 1 Oct 98 through 30 Sep 99, as described in the contractor's revised proposal as follows:**
 - (1) Facility management of E&L Building**
 - (2) O&M, On-line Lightning Monitoring System**
 - (3) Off-base administrative facility**
 - (4) Locomotive organizational level maintenance**
- b. Incorporation of requirements for O&M of Ordnance Facilities from 29 Jan 99 through 30 Sep 99.**
- c. Incorporation of projects as listed in paragraph 2 of this summary.**
- d. Realignment of funds between CLINS with no change in contract value.**

2. Summary of Changes:

a. PART I – THE SCHEDULE

1) SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

A. Page 5 of 65:

- (1) CLIN 0006, estimated cost is changed from \$30,107,694 to \$32,629,018, an increase of \$2,521,324.
- (2) CLIN 0007, estimated cost is changed from \$3,754,112 to \$900,000, a decrease of \$2,854,112.
- (3) CLIN 0009AB, estimated cost is changed from \$1,849,670 to \$1,821,944, a decrease of \$27,726.
- (4) CLIN 0009AC, estimated cost is changed from \$310,134 to \$309,197, a decrease of \$937.

B. Page 6 of 65:

- (1) CLIN 0010, estimated cost is changed from \$3,586,628 to \$3,948,079, an increase of \$361,451.

C. Page 6a of 65:

(2) Added the following project under subCLIN 0010AC:

(ECP L99-157/158	\$ 4,900 +	490 = \$	5,390)
(ECP L98-153	\$ 5,396 +	540 = \$	5,936)
(ECP L99-139	\$ 14,521 +	1,452 = \$	15,973)
(ECP L99-159	\$ 7,641 +	764 = \$	8,405)
(ECP L98-102	\$ 85,377 +	8,538 = \$	93,915)
(ECP L98-109	\$ 29,209 +	2,921 = \$	32,130)
(ECP L99-074	\$ 5,107 +	511 = \$	5,618)

D. Page 6b of 65:

(1) Added the following projects under subCLIN 0010AD:

(ECP L99-100	\$ 35,566 +	3,557 = \$	39,123)
(ECP L99-095	\$ 21,115 +	2,112 = \$	23,227)
(ECP L99-117	\$ 15,501 +	1,550 = \$	17,051)
(ECP L99-075A	\$ 5,340 +	534 = \$	5,874)
(ECP L99-075B	\$ 5,340 +	534 = \$	5,874)
(ECP L99-075C	\$ 5,340 +	534 = \$	5,874)
(ECP L99-140	\$ 5,847 +	585 = \$	6,432)
(ECP L99-141	\$ 5,847 +	585 = \$	6,432)
(ECP L99-091	\$ 26,546 +	2,655 = \$	29,201)
(ECP L98-094	\$ 40,350 +	4,035 = \$	44,385)
(ECP L98-019	\$ 9,646 +	965 = \$	10,611)

(2) Estimated costs (CLINs 0006-0008), is changed from \$33,861,806 to \$ 33,529,018, a decrease of \$332,788.

(3) Award Fee (CLIN 0009), is changed from \$3,324,863 to \$ 3,296,200, a decrease of \$28,663.

(4) Estimated Amount (CLIN 10), NTE is changed from \$3,586,628 to \$3,948,079, an increase of \$361,451.

3. Remove pages listed under Column I and insert the revised pages under Column II. (Changes are annotated by a vertical line in the right margin.)

Column I (Remove)

PART I – THE SCHEDULE
Pages 5, 6, and 6a

Statement of Work
Pages A-4, A-21, A-22, A-29,
65 of 65, and Atch 6

Column II (Insert)

PART I – THE SCHEDULE
Revised Pages 5, 6, and 6a

Statement of Work
Revised Pages A-4, A-21, A-22, A-29,
65 of 65, and Atch 6

Slip pages for O&M Ordnance facilities will be incorporated via administrative modification.

Release of Claims

In consideration of the modification agreed to herein as complete and equitable adjustment for the items 1 through 3 above, the contractor hereby releases the government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to the changes ascribed herein.

SECTION B - Supplies or Services and Prices/Costs (cont'd)

OPTION PERIOD 1 - 1 Oct 98 through 30 Sep 99 (FY99)

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0006	<p>Operations and Maintenance, Operations and Support and Operations and Management The contractor shall furnish all necessary supplies and services required to perform program and business management, cost reporting and segregation, environmental, industrial security, technical data, safety, exercises, training and other related items as required by launch program. in accordance with the Statement Of Work for the LO&SC, dated <u>April 1998</u>, and the performance standards document. <u>COST-PLUS-AWARD-FEE</u></p>	\$32,629,018
0007	<p>Systems Management The contractor shall furnish all necessary supplies and services required to perform systems engineering, safety engineering, logistics support analysis, configuration management, procedure development, and studies in accordance with the Statement Of Work for the LO&SC, dated <u>April 1998</u>, and the performance standards document. <u>COST-PLUS-AWARD-FEE</u></p>	\$ 900,000
0008	<p>Data The contractor shall furnish all necessary supplies and services required to deliver data as set forth in the Accessible Data Products Lists, and Appendix K of the Statement of Work. <u>COST-PLUS-AWARD-FEE</u></p>	\$ <u>NSP</u>
0009	Award Fee Pool	
0009AA	Award Fee Pool (1 Oct 98 through 28 Feb 99)	\$1,165,059
0009AB	Award Fee Pool (1 Mar 99 through 31 Aug 99)	\$1,821,944
0009AC	Award Fee Pool (1 Sep 99 through 30 Sep 99)	\$309,197

SECTION B - Supplies or Services and Prices/Costs (cont'd)

OPTION PERIOD 1 - 1 Oct 98 through 30 Sep 99 (FY99)

<u>Item No.</u>	<u>Description</u>	<u>Estimated Cost</u>
0010	Service Systems Upgrades & Modifications NOT TO EXCEED Upon direction by the Contracting Officer, the contractor will prepare a cost and technical proposal to accomplish service systems upgrades and modifications. Contract type will be determined by individual request for proposal, and work will be added by individual subCLINs. See contract clause H-25. The government's estimated cost for this line item is \$5M . Each upgrade/modification requires a DD250 (See SectionD.)	\$3,948,079

0010AA	Titan	\$2,295,993
---------------	--------------	--------------------

	Est. Cost	Fixed-Fee	Total
(ECP L99-093	\$ 30,023 +	3,002 =	\$ 33,025)
(ECP L99-111	\$ 2,366 +	237 =	\$ 2,603)
(ECP L99-094	\$ 24,732 +	2,473 =	\$ 27,205)
(ECP L99-092	\$ 15,511 +	1,511 =	\$ 17,062)
(ECP L99-077	\$ 26,326 +	2,632 =	\$ 28,958)
(ECP L99-078	\$ 6,984 +	699 =	\$ 7,683)
(ECP L98-098	\$ 66,173 +	6,617 =	\$ 72,790)
(ECP L99-027	\$ 39,415 +	3,941 =	\$ 43,356)
(ECP L99-096	\$108,559 +	10,856 =	\$119,415)
(ECP L98-062A	\$218,858 +	21,886 =	\$240,744)
(Rplc Halon Sys SPIF	\$152,510 +	15,251 =	\$167,761)
(ECP L99-108	\$207,420 +	20,742 =	\$228,162)
(ECP L98-086	\$ 7,956 +	795 =	\$ 8,751)
(ECP L98-070	\$270,135 +	27,014 =	\$297,149)
(ECP L99-110	\$114,697 +	11,469 =	\$126,166)
(ECP L98-096	\$152,858 +	15,286 =	\$168,144)
(ECP L99-047	\$ 31,505 +	3,150 =	\$ 34,655)
(ECP L99-160	\$ 22,488 +	2,249 =	\$ 24,737)
(ECP L98-177	\$ 12,630 +	1,263 =	\$ 13,893)
(ECP L99-021	\$ 49,703 +	4,970 =	\$ 54,673)
(ECP L99-025	\$162,477 +	16,248 =	\$178,725)
(ECP L99-154	\$ 10,127 +	1,013 =	\$ 11,140)
(ECP L99-131	\$ 14,724 +	1,472 =	\$ 16,196)

0010AA Titan Cont'd

(ECP L98-006	\$143,634 +	14,363 =	\$157,997)
(ECP L98-025	\$ 11,105 +	1,111 =	\$ 12,216)
(ECP L98-027	\$ 1,867 +	187 =	\$ 2,054)
(ECP L98-041	\$ 3,133 +	313 =	\$ 3,446)
(ECP L98-045	\$ 3,429 +	343 =	\$ 3,772)
(ECP L98-067	\$ 10,269 +	1,027 =	\$ 11,296)
(ECP L98-056	\$ 88,238 +	8,824 =	\$ 97,062)
(ECP L98-168	\$ 44,342 +	4,434 =	\$ 48,776)
(ECP L98-182	\$ 23,392 +	2,339 =	\$ 25,731)
(ECP L98-203	\$ 6,299 +	630 =	\$ 6,929)
(ECP L99-009	\$ 3,383 +	338 =	\$ 3,721)

0010AB IUS Program

\$384,840

	Est. Cost	Fixed-Fee	Total
(ECP L98-060	\$266,386 +	26,638 =	\$ 293,024)
(ECP L98-167	\$ 7,635 +	763 =	\$ 8,398)
(ECP L98-017	\$ 16,768 +	1,677 =	\$ 18,445)
(ECP L98-060 (Design)	\$ 15,428 +	1,543 =	\$ 16,971)
(ECP L99-087	\$ 24,481 +	2,448 =	\$ 26,930)
(ECP L98-186	\$ 6,957 +	696 =	\$ 7,653)
(ECP L98-140	\$ 12,199 +	1,220 =	\$ 13,419)

0010AC Other

\$446,863

	Est. Cost	Fixed-Fee	Total
(ECP L98-030	\$ 27,378 +	2,738 =	\$ 30,116)
(ECP L98-198	\$ 50,269 +	5,027 =	\$ 55,296)
(ECP L99-157/158	\$ 4,900 +	490 =	\$ 5,390)
(ECP L98-153	\$ 5,396 +	540 =	\$ 5,936)
(ECP L99-139	\$ 14,521 +	1,452 =	\$ 15,973)
(ECP L99-159	\$ 7,641 +	764 =	\$ 8,405)
(ECP L98-102	\$ 85,377 +	8,538 =	\$ 93,915)
(ECP L98-109	\$ 29,209 +	2,921 =	\$ 32,130)
(ECP L99-074	\$ 5,107 +	511 =	\$ 5,618)

(ECP L99-100	\$ 35,566 +	3,557 = \$	39,123)
(ECP L99-095	\$ 21,115 +	2,112 = \$	23,227)
(ECP L99-117	\$ 15,501 +	1,550 = \$	17,051)
(ECP L99-075A	\$ 5,340 +	534 = \$	5,874)
(ECP L99-075B	\$ 5,340 +	534 = \$	5,874)
(ECP L99-075C	\$ 5,340 +	534 = \$	5,874)
(ECP L99-140	\$ 5,847 +	585 = \$	6,432)
(ECP L99-141	\$ 5,847 +	585 = \$	6,432)
(ECP L99-091	\$ 26,546 +	2,655 = \$	29,201)
(ECP L98-094	\$ 40,350 +	4,035 = \$	44,385)
(ECP L98-019	\$ 9,646 +	965 = \$	10,611)

0010AD Delta

\$820,383

	Est. Cost	Fixed-Fee	Total
(ECP L99-156a&b	\$ 76,648 +	7,965 = \$	87,613)
(ECP L99-196a	\$530,415 +	53,042 = \$	583,458)
(ECP L98-072	\$ 27,155 +	2,715 = \$	29,870)
(ECP L98-148	\$ 19,363 +	1,936 = \$	21,299)
(ECP L98-073	\$ 11,457 +	1,146 = \$	12,603)
(ECP L98-117	\$ 19,826 +	1,983 = \$	21,809)
(ECP L99-079	\$ 14,848 +	1,485 = \$	16,333)
(ECP L99-082	\$ 5,076 +	508 = \$	5,584)

ESTIMATED COSTS (CLINs 0006 – 0008)

\$ 33,529,018

AWARD FEE (CLIN 0009)

\$ 3,296,200

ESTIMATED AMOUNT (CLIN 10)

NOT TO EXCEED \$ 3,948,079

ESTIMATED TOTAL FOR ALL CLINs (FY99)

\$ 40,773,297

NSP = Not separately priced

TBN = To be negotiated.

TBD = To be determined by the government prior to contract award.

- **Containment** – Industrial effluent and sediment, including disposal, pumps, piping, valves, etc.
- **Deluge/Overpressure Suppression** – Valves, pipes, nozzles, monitoring and control system, and associated hardware.
- **Potable Water** – All domestic water. Facility plumbing and associated hardware.
- **Pump Station Equipment** – Including all equipment and hardware associated with providing pressurized water, including but not limited to tanks, pipes, pumps, etc. Interface is the outlet side of cut-off valve supplying water to the pump station supply tank.
- **Sanitary Sewer** – Interface is downstream side of the potable water supply valve, includes toilets, sinks, storm drains, etc.

Appendix A-2 – Spacecraft Service Systems

1.0 Purpose and Scope

This appendix identifies the critical facilities, and some of the systems and equipment in those facilities, supporting spacecraft service systems at CCAS.

2.0 Responsibilities

Spacecraft Service Systems are composed of, but not limited to, the following components in Figure A-2-1, Spacecraft Critical Facilities Database, shown on pages A-5 through A-13. It identifies the systems and equipment in each of the critical spacecraft service facilities which the LO&SC shall operate and maintain

3.0 Facilities

Spacecraft service facilities listed below require Facility Management. Facilities include, but are not limited to

- | | |
|----------------------------|--|
| 3.1 ESA 60 Complex | 3.5 Spacecraft Processing Integration Facility (SPIF) area |
| 3.2 E & L, Facility 1704 * | 3.6 Launch Support Facility area |
| 3.3 Area 59 | 3.7 ITL X-Ray area |
| 3.4 SAB Compound | |

* *Not a requirement for Option Period 1 (FY99)*

Appendix A-4 – Atlas Service Systems

1.0 Purpose and Scope

This appendix identifies the critical facilities, and some of the systems and equipment in those facilities, supporting Atlas launch vehicle service systems at CCAS.

2.0 Responsibilities

Atlas Service Systems are composed of, but not limited to, the following components in Figure A-4-1, Critical Facilities Database, shown on pages A-22 through A-23. It identifies the systems and equipment in each of the critical Atlas facilities which the LO&SC shall operate and maintain.

3.0 Facilities

Atlas service facilities listed below require Facility Management. Facilities include, but are not limited to:

- 3.1 Atlas Blockhouse area (blast door effective 1 October 1998)*
- 3.2 Space Launch Complex 36A
- 3.3 Hangar K area
- 3.4 Hangar J area
- 3.5 Atlas Administrative Buildings, Facilities 5500AY, 5505, 5500AV
- 3.6 Pump Station #4 area

**Not a requirement for Option Year 1 (FY99)*

Figure A-4-1 Atlas Critical Facilities Database

Blockhouse – Facility 5501*

Communication	Telephone/LAN wiring	
Communication	RF Transmission	RF for hand radios
Communication	Narrow band Transmission	All equipment associated with sequencer
Communication	Antennas	Antenna supports sequencer
Communication	TOPS/Digital Voice	
Communication	Public Address System	
Environmental	Fire Protection	
Environmental	HVAC	8 ton and 30 ton unit
Equipment	Facility Control Monitoring Systems	
Mechanical	Elevators	Material Lift
Mechanical	Misc. Support Equipment	Bunker Periscopes
Safety	Eye washes /Decontaminate showers	
Safety	Hazard Notification	Evacuation Horn
Structure	Special Purpose Doors	Blast door
Structure	Basic Structure	
	Sanitation	
Water	Potable	
Communication	Telephone/LAN wiring	
Communication	Wide band Transmission	
Communication	Narrow band Transmission	
Communication	TOPS	
Communication		
Environmental	Flammable vapor Detector	
Environmental	HVAC	All HVAC except ECS; include ramp pressure blower, instrumentation cubicle, explosion proof units
Environmental	Fire Protection	
Environmental	Oxygen Hazard Monitoring	Units on service tower
Equipment	Online Lightning Monitoring System*	<i>* Not a requirement for Option Period 1 (FY99).</i>
Equipment	Facility Control Monitoring Systems	
Mechanical	Elevators	2 elevators
Safety	Eye washes/Decontaminate Showers	
Structure	Basic Structure	Identified critical structures. MST – FACILITY 5553, UT – FACILITY 5500, LSB – FACILITY 5510

APPENDIX A

F08650-98-C-0035

Figure A-5-1 Titan Critical Facilities Database (continued)

Payload Fairing Cleaning Building – Facility 70503 (concluded)

Mechanical	Misc. Support Equipment	Equipment used in cleanrooms except robot
Mechanical	Cranes and Hoists	
Mechanical	Crane Support Equipment	
Safety	Eye washes /Decontaminate showers	
Safety	Fall Protection	
Structure	Special Purpose Flooring	
Structure	Basic Structure	
Structure	Special Purpose Doors	
Water	Potable Water	
Water	Sanitary Sewer	

Pump Station #7 – Facility 29150

Communication	Narrow band Transmission	
Communication	Telephone/LAN wiring	
Communication	Public Address System	
Electrical	Low Voltage	
Electrical	Grounding	
Environmental	HVAC	
Environmental	Fire Protection	
Fluid and Gas	Compressed System Air	
Fluid and Gas	Fuel	Diesel
Safety	Eye washes /Decontaminate showers	
Structure	Basic Structure	
Water	Potable Water	
Water	Sanitary Sewer	
Water	Pump Station Equipment	

Railroad/Car System – Facility 20350 *

Equipment	Railroad (operation not exclusive to LO&SC)	tracks, subsurface below tracks, ties, splices, switches
Equipment	Railroad	Locomotives. Provide organizational level maintenance only.**
Equipment	Railroad	Ox ullage railcars – corrosion control only
Equipment	Railroad	Fuel ullage railcars – corrosion control only

Solid Motor Assembly And Readiness Facility – Facility 69800

Communication	Wide band Transmission	
Communication	Narrow band Transmission	
Communication	Telephone/LAN wiring	
Communication	Public Address System	
Communication	CCTV	Currently being installed

* Railroad/car System – facility 20350 transfers to LO&SC responsibility on 1 October 1998

** Not a requirement for Option Period 1 (FY99)

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
SECTION J
LIST OF ATTACHMENTS

<u>ATTACHMENT</u>	<u>DOCUMENT</u>	<u>NO. OF PAGES</u>	<u>DATE</u>
1	Statement Of Work	TBD	April 1998
2	Performance Standards Document	2	23 Sep 97
3	DD Form 254	5	30 Apr 98
4	Award Fee Plan	18	23 Apr 98
5	DOL Wage Determination	31	01 Oct 1998
6	Base Support	8	29 Sep 1999
7	Subcontracting Plan	24	TBD
<u>EXHIBIT</u>	<u>DOCUMENT</u>	<u>NO. OF PAGES</u>	<u>DATE</u>
A	Government Furnished Equipment		23 Oct 97

BASE SUPPORT

LAUNCH OPERATIONS AND SUPPORT

F08650-98-C-0035

(Revised - P00023)
29 Sep 1999

F08650-98-C-0035

P00023 -Page 13 of 20

AVAILABLE GOVERNMENT-FURNISHED RESOURCES AND SERVICES.

1. Purpose. It is the government's intention to reduce government provided services and resources. However, in consideration of current best value, commercial availability, government requirements, government furnished resources and services can not be eliminated. The services that will be available for the LO&SC are identified in paragraphs 3.

2. Requirements. Any GFP utilized by the contractor, when no longer serviceable or required, must be disposed of via the government's DRMO process, in accordance with the LO&S Contract. Replacement GFP will be the contractor's responsibility.

3. Government Provided Resources and Services

3.1. Operational Facilities and Furniture. Space will be provided for launch critical system technical work areas, according to mission needs and availability, at CCAS. Furnishings will not be provided, other than those specified in the GFE "as is" list. Maintenance or replacement of those will be the responsibility of the contractor.

3.2. Warehouse. It is the government's intention to minimize warehouse/storage space used by the LO&SC. However, the LO&SC inherits management of existing critical spares inventories which must be warehoused at CCAS until expended. After contract award, if logistics support analyses determine that critical logistics supplies, supporting launch processing or launch, must be located in close proximity to the systems that they support, facilities will continue to be provided for storing those critical supplies.

3.3. Medical Services. The Government shall provide medical and life support services for all personnel employed under the prime contract. Services include ambulance and first-aid services for emergencies, first visit coverage for occupational injury and illnesses, medical examinations required by the nature of the job, environmental health services to ensure personnel safety, and life support services.

3.4. Security Services. The Government shall provide security support IAW Air Force regulations, directives, and local procedures for all personnel employed under the contract. Security services include installation resource protection; CCAS installation badging; policy guidance; auditing of contractors' Industrial Security Program; convoy services; and Electronic Security Systems where provided.

3.5. Visual Information Services. The Government shall provide the contractor with color and black and white motion pictures, video and still photographic services for documentary, engineering, failure analysis and general program reporting.

3.6. Safety Services. The Government shall provide safety support in accordance with Air Force Regulations, Directives, and local procedures. Safety services include; policy guidance; auditing of contractor's Range Safety program; pad safety services; approval of (safety related) contract documentation/plans as required.

3.7. Transportation. The Government will provide special purpose vehicles that are required for the movement of equipment and materials by the contractor if available, via JBOSC. If the transportation requirement cannot be met via the JBOSC service, the LO&SC must provide. The contractor is responsible for providing warehouse forklifts, other than those identified in the GFE "as-is" list. General purpose vehicles are considered contractor furnished property.

3.8. General Utilities. Water, electricity and sewage treatment shall be furnished to the contractor locations on CCAS.

3.9. Fire Protection. The Government shall provide fire fighting services, code enforcement, and inspection of facilities. The contractor will maintain/replace existing fire extinguishers in dedicated contractor facilities.

3.10. Communications. Communication support services, at CCAS locations only, are available. Some communication support services must be obtained from specific service providers. These include connectivity requirements that impact configuration of the outside plant cable (fiber, copper, etc.), aural warning services, and operational communication requirements, such as TOPS, mission communications, etc.

3.11. Mail Service. The government shall provide a single pickup and delivery point on CCAS.

3.12. Government-Furnished Shops and Lab Support. The following support shall be provided to the contractor by the Government on CCAS.

3.12.1. Electrical Shop. Repair, maintain, regulate, meter, and perform minor modification of outside electrical systems (greater than 480 volts).

3.12.2. Machine, Sheet Metal, Welding and Heat Treating Shop. General machine shop work, unconventional parts fabrication, surface finishing, shaping, drilling, treading, welding, fabrication of sheet metal guards, frames, covers, ducts, containers, emergency duplication of parts, fabrication of components and shields to effect acceptable safety standards, welding on all types of metals. Silver soldering and brazing, cutting with acetylene, oxygen, and LP gas. Except where responsibilities are assigned to the contractor.

3.12.3. Precision Measurement Equipment Lab (PMEL) and Physical Standards Lab. Repair, calibration and certification of gauges and test equipment to measure length, angles, flatness, surface finish, hardness, screw threads, temperature, humidity, shock, vibration, force, pressure, vacuum, flow and mass. Includes calibration of electronic test equipment and repair, calibration and certification of precision measurement equipment.

3.12.4. Precision Chemical Cleaning Laboratory. Timely precision cleaning and certification service in a cleanroom environment of fluid and pneumatic system components, including laboratory cleaning, in-place cleaning and hydrogen peroxide passivation.

3.12.5. Base Chemical Laboratory. The Government shall furnish chemical laboratory facilities to perform analysis of liquid, fluid, and particulate samples. This service will be provided by the Aerospace Fuels Laboratory (SA-ALC). Includes qualitative chemical analyses and testing, consultant services on chemical problems related to propellants, oxidizers, fuels and other missile fluids, sludge and contamination studies.

3.12.6. Nondestructive Testing. The Government shall provide Laboratory and in-place nondestructive testing to the contractor. These services shall include radiographic, magnetic particle, dye penetrant, ultrasonic, eddy current and helium leak detection techniques.

3.12.7. Fabric Shop. The Government shall provide a fabric fabrication and repair capability, i.e., gas mask carrying bags, SCAPE suit zippers, etc. (Does not include cleanroom garments.)

3.12.8. Scape Suit Maintenance. The Government shall provide decontamination, cleaning, maintenance, inspection, storage of protective clothing and backpacks. (Does not include cleanroom garments.)

3.12.9. Lock and Key Services The Government shall provide locksmith services.

3.12.10. Heavy Equipment Shop. The Government shall provide heavy equipment support with driver as available from the Joint Base Operations and Support Contract (JBOSC). LBS to provide services until JBOSC comes on line. If heavy equipment requirement cannot be met via LBS/JBOSC, LO&SC must provide.

3.12.11. Roads and Grounds Maintenance. The Government shall provide roads parking lot and grounds maintenance.

3.13. Janitorial Services. The Government shall provide general janitorial services and trash removal from non-industrial facilities.

3.14. Insect and Vermin Control. The Government shall provide insect, vermin, and eradication on periodic and on-call basis.

3.15. Refuse Collection. The Government shall provide refuse collection and dumpsters.

3.16. Radio Frequency Monitoring and Radio Maintenance. The Government shall provide radio frequency assignment, control and monitoring services and radio maintenance for contractor operations.

3.17. ITL Railroad Locomotive Level II Maintenance. Shall be a US Army/Tooel responsibility.

3.18. Real Property Administration. The Government shall provide administrative services for contractor-assigned facilities at CCAS.

3.19. Auxiliary Ground Powered Equipment Support. The Government shall provide, operate and maintain auxiliary ground power support equipment such as portable searchlights, generators, floodlights, pumps, air conditioning units, blowers and compressors.

3.20. Disaster Preparedness Services. The Government shall provide disaster preparedness services according to Air Force regulations, directives, and local procedures. Disaster Preparedness support includes: Disaster Response Forces, as necessary; Hazardous Material Response training; hurricane preparedness plan; policy guidance; auditing of contractors disaster preparedness program.

3.21. Meteorological Services. The Government shall provide weather forecasting service. Services shall include forecasting, tracking, observations, consultant services and weather warnings (hurricanes, lightning, and local severe weather conditions).

3.22. Hazardous Waste Disposal. The Government shall provide auditing of the contractor's processes that generate hazardous waste and hazardous waste storage areas and provide hazardous waste disposal.

3.23. Environmental Impact Analysis. The Government shall provide environmental impact analyses.

3.24. Destruction Services. The Government shall provide classified materials destruction facilities for bulk destruction of classified materials. These services may also be used for destruction of bulk privacy act materials.

3.25. Propellant Services. The Government shall provide propellant, gases, chemicals, fuels, lubricants and other fuels. This service includes gases and liquids such as GN₂, GHe, LHe, CO₂, liquid air supplies, launch vehicle propellants (such as N₂O₄, UDMH/N₂H₄, LO₂, LN₂, LH₂, RP-1), MOGAS and Motor Oil (includes diesel/regular/unleaded fuel, pneumatic pressurants) and the transportation of the above items. The contractor must establish and fund accounts for **facility diesel fuel, MOGAS and motor oil.**

3.26 Administrative Facilities: Administrative office space will be provided for the base period and option period one of the contract, due to the decreased funding profile established by 45 SW/FM. Facilities provided as office space are Bldg 1613, SAB Annex, and Bldg 1777, Launch Support Facility (LSF). Furnishing within these facilities is provided.

TABLE I. Summary of Base Support Requirements and Responsibilities

CATEGORY	RESPONSIBILITIES
3.1. Operational Facilities and Furniture	Launch critical systems technical work areas will be provided by the Government. Furnishing will not be provided, other than those specified in the GFE "as is" list. Maintenance/replacement of these items is contractors responsibility.
3.2. Warehouse	Government's intention is to minimize warehouse/storage space used by LO&SC, however, critical spare storage space will be provided until a LO&SC logistic support analysis determines if spares must be located in proximity of systems they support. If it is determined that spares should be warehoused at CCAS, Government will continue to provide storage space.
3.3. Medical Services	Government shall provide: Comprehensive occupational medicine, Environmental health and industrial hygiene, Emergency medical and first aid, and the following Medical examinations -- Baseline propellant (all employees), Propellant flow (SCAPE/SPLASH), Annual: Equipment Operators, Triennial: Personnel requiring access to propellant storage areas, semi-annual: Personnel with unique physical problems.
3.4. Security Services	Government shall provide installation resource protection, installation badging, policy guidance, auditing, convoy services, and maintenance/monitoring of Electronic Security System where provided.
3.5. Visual Information Services	Government shall provide color and black and white motion pictures, video and still photographic services for documentary, engineering, failure analysis, and general program reporting.
3.6. Safety Services	Government shall provide safety support IAW with AF Regulations, Directives, and local procedures. Includes: policy guidance, auditing, pad safety services, and approval of (safety related) documentation/plans.
3.7. Transportation	Government shall provide special purpose vehicles that are required to move equipment and materials if available, via JBOSC. If JBOSC cannot provide the service, LO&SC must provide the required vehicle. Contractor is responsible for providing warehouse forklifts, other than those identified on GFE "as is" list. General purpose vehicles are considered contractor furnished.
3.8. General Utilities	Government shall provide water, electricity and sewage treatment to contractor's locations on CCAS.
3.9. Fire Protection	Government shall provide fire fighting services, code enforcement, and inspection of facilities. Contractor will maintain/replace existing fire extinguishers in dedicated contractor facilities.
3.10. Communications	Government provides backbone. Contractor provides end instruments. Must meet 45 SW configuration control, standards and interface requirements. The above is

	applicable to admin. telephones, transistorized operational phone system (TOPS), operational intercom system (OIS) or ESI digital communication panels/system, digital voice systems, point-to-point "Green " phones, closed circuit television (CCT), and Wide Band-Narrow Band (A2A) and/or fiber optics.
3.11 Mail Service	Government shall provide single point pick/delivery point on CCAS
3.12. Government-Furnished Shops & Lab Support	Government shall provide following shop/Lab support to contractor. (3.12.1 to 3.12.11)
3.12.1. Electrical Shop	Repair, maintain, regulate, meter, minor modification, on electrical systems greater than 480V.
3.12.2. Machine, Sheet Metal, Welding and Heat Treating Shop.	Government shall provide general machine shop work, fabrication, welding, heat treating, brazing, and etc. The LBSC/JBOSC will provide these services to LO&SC thru use of the LBS/JBOS work order system. If LBS/JBOSC cannot support, LO&SC must accomplish needed work.
3.12.3. Precision Measurement Equipment Lab and Physical Standards Lab	Government shall provide repair, calibration, and certification of gauges and test equipment to measure length, angles, flatness, surface finish, hardness, screw threads, temperature, humidity, shock, vibration, force, pressure, vacuum, flow and mass. Also includes calibration of electronic test equipment and certification of precision measurement equipment.
3.12.4. Precision Chemical Laboratory	Government shall provide timely precision cleaning and certification service in a cleanroom environment of fluid and pneumatic system components, including laboratory cleaning, in-place cleaning and hydrogen peroxide passivation
3.12.5. Base Chemical Laboratory	Government shall furnish a chemical laboratory to perform analysis of liquid, fluid, and particulate samples. This service will be provided by the Aerospace Fuels Laboratory (SA-ALC). Includes qualitative chemical analyses and testing, consultant services on chemical problems related to propellants, oxidizers, fuels and other missile fluids, sludge and contamination studies
3.12.6. Nondestructive Testing	Government shall provide laboratory and in-place nondestructive testing. These services include: radiographic, magnetic particle, dye penetrant, ultrasonic, eddy current and helium leak detection techniques.
3.12.7. Fabric Shop	Government shall provide a fabric fabrication and repair capability, i.e , gas mask carrying bags, SCAPE suit zippers, etc. (Does not include cleanroom garments.)
3.12.8. SCAPE Suit Maintenance	Government shall provide decontamination, cleaning, maintenance, inspection, storage of protective clothing and backpacks. (Does not include cleanroom garments)
3.12.9. Lock and Key Services	Government shall provide locksmith services
3.12.10. Heavy Equipment Shop	Government shall provide heavy equipment support with operators as available from LBSC/JBOSC If heavy equipment requirements cannot be met via LBSC/JBOSC, LO&SC must provide
3.12.11. Roads and Grounds Maintenance	Government shall provide roads, parking lot, and grounds

	maintenance.
3.13. Janitorial Services	Government shall provide general janitorial services and trash removal from non-industrial facilities. Contractor must provide janitorial in own industrial areas.
3.14. Insect and Vermin Control	Government shall provide insect, vermin, and eradication services on periodic and on a as called basis.
3.15. Refuse Collection	Government shall provide refuse collection and dumpsters.
3.16. Radio Frequency Monitoring and Radio Maintenance	Government shall provide radio frequency assignment, control and monitoring services and radio maintenance for contractor operations.
3.17. ITL Railroad Locomotive Level II Maintenance	Shall be a US Army/Tooele responsibility
3.18. Real Property Administration	Government shall provide administrative services for contractor-assigned facilities at CCAS.
3.19. Auxiliary Ground Powered Equipment Support	Government shall provide, operate and maintain auxiliary ground support equipment such as portable searchlights, generators, floodlights, pups, air conditioning units, blowers and compressors. If the service is not available to meet requirement, LO&SC must obtain.
3.20 Disaster Preparedness Services	Disaster Preparedness support includes: Disaster response training, as necessary; hazardous material response training; hurricane preparedness plan; policy guidance; auditing of contractor disaster preparedness program Contractor provides labor for facility preparations.
3.21. Meteorological Services	Government shall provide weather forecasting, tracking, observation, consultant, and weather warning reporting (hurricanes, lightning, and other severe local weather conditions).
3.22. Hazardous Waste Disposal	Government shall provide auditing of the contractor's processes that generate hazardous waste storage areas and provide hazardous waste disposal.
3.23. Environmental Impact Analysis	Government shall provide environmental impact analyses.
3.24. Destruction Services	Government shall provide classified materials destruction facilities for bulk destruction of classified materials. These services may also be used for destruction of bulk privacy act materials.
3.25. Propellant Services	Government shall provide propellant, gases, chemicals, fuels, lubricants and other fuels. This service includes gases and liquids such as GN2, GHe, LHe, CO2, liquid air supplies, launch vehicle propellants (such as N2O4, UDMH/N2H4, LO2, LN2, LH2, RP-1), MOGAS and Motor Oil (includes, diesel/regular/unleaded fuel, pneumatic pressurants) from both fixed and mobile storage The contractor must establish and fund accounts for facility diesel fuel, MOGAS and motor oil
3.26 Administrative Facilities	Government shall provide administrative facilities and office space (<i>Bldgs 1613 [SAB Annex], 1777 [LSF] and partial use of 49904 [SAB]</i>) for the Option 1 period of the contract (1 Oct 98-30 Sep 99) Furnishing within these facilities is provided