PART III.a

STANDARD ARMY MANAGEMENT INFORMATION SYSTEMS COMPUTER CONTRACT - II (SCC-II) STATEMENT OF WORK AND SPECIFICATION

1. PURPOSE

The purpose of this procurement is to provide commercial notebook, desktop, and server computers; peripheral equipment; network equipment; system support software; associated documentation and reports; integration; maintenance; and technical support services to meet worldwide Standard Army Management Information Systems (STAMIS) requirements. The equipment consists of commercial technology capable of executing various STAMIS software applications. To the extent practical, the equipment shall represent state-of-the-art technology.

2. SCOPE

The equipment and services shall support both current and future STAMIS programs. These requirements are applicable to both tactical and non-tactical operations in the Continental United States (CONUS), Europe, and the Far East. Both environments require platforms which are compliant with open systems standards as described in Department of Defense's (DoD's) Technical Architecture Framework for Information Management (TAFIM) and Department of Army Technical Architecture (ATA). Currently, not all STAMIS are open systems or ATA compliant; however, the Army's goal is to migrate all STAMIS to an open systems environment compliant with the ATA. As part of the technical support services provided under this contract, the Contractor may perform engineering studies or develop device drivers to facilitate the migration of these STAMIS to an open systems environment compliant with the ATA. Listed below are the STAMIS programs which may be supported under this contract:

a. Non-Tactical STAMIS:

(1) Acquisition Information Management (AIM),

(2) Transportation Coordination Automation Information Management System - II (TC AIMS-II),

(3) Joint Computer-Aided Acquisition and Logistics Support (JCALS),

(4) Joint Recruiting Information Support System (JRISS),

(5) Automatic Identification Technology (AIT),

(6) Combat Service Support Automated Information Systems Interface (CAISI),

(7) Integrated Logistics Analysis Program (ILAP), and

(8) Other systems as assigned and approved by the Program Executive Officer (PEO) STAMIS.

b. Tactical STAMIS:

(1) Department of the Army Movements Management System - Redesign (DAMMS-R),

(2) Standard Army Ammunition System (SAAS),

(3) Standard Army Retail Supply System (SARSS),

(4) Standard Army Maintenance System (SAMS),

(5) Standard Installation/Division Personnel System-3 (SIDPERS-3),

(6) Standard Property Book System - Redesign (SPBS-R),

(7) Unit Level Logistics System (ULLS),

(8) Corps/Theater Automatic Data Processing Service Center, Phase II (CTASC-II),

(9) Integrated Combat Service Support System (ICS3), and

(10) Other systems as assigned and approved by the PEO STAMIS.

3. OPERATIONAL ENVIRONMENT

a. The equipment will be used in standalone, local area network (LAN), and wide area network (WAN) configurations in both tactical and non-tactical environments. The equipment can connect to a number of networks for data transfer and supports the exchange of information through the use of LANs, the Defense Data Network (DDN) and the Automatic Digital Network (AUTODIN). Connectivity is via FM radio, dialup lines, direct or leased lines, or local area networks. Communications interface devices (e.g., modems), are required to support operations. A Government-owned tactical terminal adapter (TTA) or line driver is used for connection to the Combat Service Support (CSS) Automated Information System Interface (CAISI).

b. No dedicated power generation equipment is required. Standard 110-volt (CONUS) or 220-volt (OCONUS) commercial power is used when the equipment is operated in a garrison location. Devices to protect against power surges (e.g., surge suppressers) are required in CONUS and OCONUS. Devices are also required to protect against software degradation in the event of a power failure (e.g., uninterruptible power supply) in both CONUS and OCONUS.

4. APPLICABLE DOCUMENTS

The documents listed in Appendix I to this statement of work form a part of the technical specifications set forth in this statement of work and specification. In the event of conflict between the documents listed and

the contents of this statement of work and specification, this statement of work and specification shall govern.

5. TERMS AND DEFINITIONS

Definitions and meanings of data processing, data communications, and information systems terms used in this statement of work and specification which are not defined herein or in Appendix II shall be interpreted in accordance with FIPS PUB 11-3, Guideline: American National Dictionary for Information Systems.

6. FUNCTIONAL REQUIREMENTS

The Contractor shall deliver supplies and services set forth in this statement of work and specification pursuant to issuance of delivery/task orders. Except as stated herein, the Contractor, acting independently, and not as an agent of the Government, shall furnish all management, personnel, equipment, software, services, travel, and other items necessary to deliver the supplies and services.

6.1 Provision of Equipment

6.1.1 General

Appendix III, Equipment Specification, represents minimum requirements for five basic computer configurations (i.e., basic notebook, multi-media notebook, desktop, low-end server, and high-end server); for an assortment of printers (i.e., laser, high speed impact, ink jet and dot matrix); and for network devices, software, cables, connectors and related items. At a minimum, the Contractor shall provide equipment that satisfies the minimum requirements set forth in Appendix III.

6.1.2 System Integration

6.1.2.1 Routine Integration Requirements

Prior to delivering equipment under this contract, the Contractor shall configure, integrate, and make operational each equipment platform. The integration process shall include loading the required operating and system support software and integrating all Contractor-provided equipment. The operating system and system support software and equipment to be integrated will be identified on each delivery order.

6.1.2.2 Additional Integration Requirements

a. Appendix III also contains descriptions of STAMIS programs that require additional integration requirements. For these STAMIS programs, in addition to performing the integration requirements identified in paragraph 6.1.2.1, the Contractor shall also integrate Government-owned equipment into the configuration. Appendix III contains typical configurations for each STAMIS program. Each typical configuration consists of one of the basic computer configurations (i.e., basic notebook, multi-media notebook, desktop, low-end server, and high-end server), separately-orderable equipment, the applicable STAMIS application software, and Government-owned equipment, if any. However, the separately-orderable equipment and Government-owned equipment (excluding the specified STAMIS application software) that the Contractor will have to integrate may vary from the typical configurations. The actual

integration requirements will be identified on each delivery order. If STAMIS-specific integration is ordered, prior to delivering equipment, the Contractor shall fully configure and make operational the STAMIS platform to insure complete equipment compatibility. Within fifteen days after issuance of a delivery order, the Government will deliver to the Contractor any Government-owned hardware or software necessary to complete the integration of the equipment.

b. The Contractor shall be responsible for all items provided to the Contractor pursuant to paragraph a until they are safely returned to the Government in the condition in which they were provided.

6.1.3 Delivery Requirements

6.1.3.1 Routine Delivery

The Contractor shall deliver equipment to CONUS locations within 15 days of receipt of a delivery order or GFE, whichever is later . The Contractor shall deliver equipment to OCONUS locations within 20 days of receipt of a delivery order or GFE, whichever is later. All components of a configuration shall be shipped concurrently to the same address. A packing list shall be placed in each shipping container.

6.1.3.2 Expedited Delivery

The Contractor shall deliver supplies to CONUS locations within 3 days of receipt of all required GFE or receipt of delivery order, whichever is later. The Contractor shall deliver supplies to OCONUS locations within 5 days of receipt of all required GFE or receipt of delivery order, whichever is later. All components of a configuration shall be shipped concurrently to the same address. A packing list shall be placed in each shipping container. Notwithstanding the aforementioned requirement, during any 30-day period, the Contractor shall be responsible for providing expedited delivery for no more than 100 integrated configuration units (i.e., basic configuration, separately-orderable components/items, and Government-owned equipment, including STAMIS application software.) There shall be no limit on the number of expedited deliveries of supplies other than the integrated configuration units. Expedited delivery of more than 100 integrated configuration units in a 30-day period shall be subject to negotiations.

6.1.3.3 The Government has an estimated peak delivery requirement of 2500 units (e.g., servers, desktops, and/or notebooks) per month. Peak delivery months generally are August, September, and October. Peak delivery requirements may exceed the above number.

6.1.3.4 Transit Case

If ordered, the Contractor shall pack each configuration and/or components in a transit case(s). This transit case(s), containing the configuration and/or components, shall be appropriately packed and shipped in standard commercial wrappings; e.g., shrink wrappings.

6.1.4 Validation Demonstration

a. After contract award, the Contractor shall conduct a Government-witnessed demonstration to validate that:

(1) Each of the basic computer configurations (i.e., basic notebook, multi-media notebook, desktop, low-end server, and high-end server) are capable of performing in a manner equal to or better than the Contractor's applicable certified benchmark test results and

(2) Each of the typical STAMIS configurations (excluding Government-owned equipment) identified in Appendix III are capable of successfully executing the applicable STAMIS application program.

b. At least 7 days prior to commencement of the demonstration, the Contractor shall deliver to the Government a demonstration plan which includes the agenda, procedures, and any constraints. The Government reserves the right to have at least two Government-designated representatives witness each STAMIS demonstration.

c. The Contractor shall successfully complete the demonstration of all equipment within 20 days after the contract effective date. In the event that the Contractor fails to successfully complete the demonstration, the Government may, at its option, extend the demonstration period on a day-by-day basis for up to 20 additional days.

d. Within one day after successful completion of the demonstration, the Contractor shall deliver to the Contracting Officer a summary of the demonstration results. The summary shall include written validation by the authorized Government representative.

e. In the event that the Contractor fails to successfully complete the demonstration, the Government may terminate the contract at no cost to the Government. In such a case, the Contractor shall not be entitled to the contract minimum guaranteed quantity and the Government may award the contract to the offeror who is next in line for award.

6.1.5 Additional STAMIS Program Integration Requirements

a. It is anticipated that over the life of the contract additional STAMIS programs (as defined at Paragraph 2) may require integration services. In such cases, these STAMIS programs may be added to Appendix III by contract modification. In such an event, the Contracting Officer will request a proposal from the Contractor. The request will include a description of the STAMIS and the operational environment; the typical STAMIS configuration(s); the specific performance requirements; the loading and operating instructions; test criteria and data; and a copy of the STAMIS application software. Within 30 days after receipt of the request, the Contractor shall submit a proposal that includes, at a minimum, the following:

(1) Certification that the proposed equipment satisfies all of the applicable performance requirements,

(2) The proposed price(s) for integration of the typical STAMIS configuration(s); and

(3) A description, including proposed price(s), of equipment, if any, and related items (e.g., maintenance) that must be added to the contract to accommodate the typical STAMIS configuration(s).

b. The proposal shall be subject to negotiations. If accepted by the Government, a contract modification will be executed to effect the change.

c. Prior to the first delivery of equipment that has been integrated pursuant to a contract line item number (CLIN) that has been added under the authority of paragraph 6.1.5.b, the Government may require the Contractor to conduct a Government-witnessed demonstration to validate that the integrated STAMIS configuration is capable of successfully executing the applicable STAMIS application program. In such an event, the Contractor shall perform the demonstration within 15 days after the Contracting Officer's request for the demonstration. At least 7 days prior to the demonstration, the Contractor shall deliver to the Government a plan that outlines the agenda, procedures, and any constraints. The Government reserves the right to have at least two Government-designated representatives witness each STAMIS demonstration.

6.2 TECHNICAL SUPPORT SERVICES

6.2.1 General

a. When ordered, the Contractor shall provide technical support services that are within the scope of this section. Technical support services include:

(1) Site surveys

(2) On-site installations

(3) Relocation of equipment

(4) Post-installation support

(5) Engineering studies

(6) STAMIS impact studies

b. Prior to issuance of a task order for technical support services, the Contracting Officer will provide the Contractor with a request for a proposal, which includes a description of the task(s) to be performed. Within 15 days of receipt of the request, the Contractor shall deliver to the Contracting Officer a proposal for performing the services. The proposal shall contain sufficient detail to enable the Government to determine the acceptability of the proposal and shall include, as a minimum:

(1) A brief description of the technical approach which demonstrates the Contractor's understanding of the requirement,

(2) A proposed milestone chart,

(3) Proposed labor categories from the Master CLIN listing and the number of hours proposed for each category, and

(4) Proposed other direct costs (ODCs), to include any proposed travel costs which are consistent with the Joint Travel Regulation.

c. The Government reserves the right to accept or reject any proposal for technical support services. This decision shall be final and not subject to the "Disputes" clause of this contract. After the Government has reviewed and accepted the Contractor's proposal (negotiations may be required), subject to availability of funds, a firm-fixed-price task order will be issued. The Contractor shall then perform the technical support services in accordance with the approved proposal.

6.2.2 Site Surveys

a. The Contractor shall perform site surveys in accordance with approved proposals submitted pursuant to paragraph 6.2.1.b. The primary purpose of the survey is to provide a detailed scope of work required for the later installation/fielding of SCC-II equipment.

b. Within seven days after completion of the survey, the Contractor shall deliver a survey report to the Government official identified on the applicable task order. The report shall include a description of any actions (e.g., site modifications) which must be completed prior to installation of the SCC-II equipment and it shall be sufficiently detailed to facilitate successful installation of the equipment. The report shall be subject to Government approval. Any revisions to the report shall be submitted to the Government official within three workdays of receipt of Government comments.

c. The Government will be responsible for performing site modifications (e.g., A/C, power, etc.) which are identified in the survey report.

d. In instances where work to be performed by the Contractor requires interaction with existing facilities and equipment, the Contractor shall be responsible for any damage to existing facilities or equipment and/or unscheduled interruption of service resulting from the Contractor's efforts.

6.2.3 On-Site Installation

a. The Contractor shall perform on-site installation of SCC-II equipment and other stipulated equipment (e.g., network connections, communications lines, and related network software configurations) in accordance with approved proposals submitted pursuant to paragraph 6.2.1.b. Installation services include both initial installation and upgrades to existing equipment.

b. After installation is completed, the Contractor shall restore any Contractor-used Government storage areas to a clean condition.

6.2.4 Relocation of Equipment

The Contractor shall assist in, or perform, the relocation of servers and/or LAN environments in accordance with approved proposals submitted pursuant to paragraph 6.2.1.b. The extent of the services to be performed by the Contractor will vary by task order from minimal involvement (e.g., survey assistance) to total responsibility for the relocation.

6.2.5 Post-Installation Support

Pursuant to approved proposals submitted in accordance with paragraph 6.2.1.b, the Contractor shall provide post-installation support and guidance to assist users in successful transition to SCC-II equipment. Such services can relate to general system operations or to specific tasks; e.g., porting data files to a SCC-II system.

6.2.6 Engineering Studies

a. Pursuant to approved proposals submitted in accordance with paragraph 6.2.1.b, the Contractor shall perform engineering studies. These studies shall be related to the present and possible future physical and performance characteristics of equipment used in support of STAMIS. Examples of such studies could include, but are not limited to system engineering feasibility studies, network studies, technology assessment studies, and quality-related practices studies. These studies may respond to, but are not limited to, the following:

(1) An unexpected decreased level of system responsiveness;

(2) Planned expansions of computing services or network connectivity; and

(3) Sudden changes in traffic and data storage requirements which adversely affect network performance.

b. All engineering studies shall be subject to Government approval. Any revisions to the studies shall be submitted to the Government official within three workdays of receipt of the Government comments.

6.2.7 STAMIS Impact Studies

a. During the life of the contract it is anticipated that:

(1) Changes will be made to the STAMIS application and system support software and/or

(2) Equipment purchased from sources other than the SCC-II Contractor, may require integration into the SCC-II configurations.

b. In such cases, pursuant to paragraph 6.2.1.b, the Government may request the Contractor provide an impact study which addresses, at a minimum, the following:

(1) A description of any SCC-II equipment modifications and/or additions (including any device drivers) necessary to at least maintain the current level of system performance,

(2) A description of any revisions and/or additions to STAMIS application and/or Government-owned system support software which are necessary to at least maintain the current level of system performance,

(3) A price proposal for effecting the necessary changes to the SCC-II equipment (including any device drivers) identified pursuant to paragraph (1) above, and

(4) A proposed schedule to implement the recommended changes identified in the impact study.

c. All impact studies shall be subject to Government approval. Any revisions to the studies shall be submitted to the Government official within three workdays of receipt of the Government comments.

d. The Government reserves the right to have the Contractor implement the changes identified in the approved study. The proposed price shall be subject to negotiations. If accepted by the Government, a contract modification will be executed to effect the change.

e. In the event the contract modification results in equipment changes to any of the basic computer configurations, the Government may require the Contractor to perform a Government-witnessed demonstration prior to the first delivery of the revised configuration(s). As a minimum, the Contractor shall demonstrate that the equipment is capable of performing in a manner equal to or better than the Contractor's certified benchmark test results and is capable of successfully executing the respective STAMIS application programs. In such an event, the Contractor shall perform the demonstration within 15 days after the Contracting Officer's request for the demonstration. At least seven days prior to the demonstration, the Contractor shall deliver to the Government a plan that outlines the agenda, procedures, and any constraints related to the demonstration.

6.3 TELEPHONIC SUPPORT

6.3.1 Availability

a. The Contractor shall provide support via a toll-free telephone number(s) to users in the following areas of operation: CONUS, Germany, and Korea. At a minimum, the telephonic support shall consist of the services set forth at paragraph 6.3.2.

b. The Contractor shall provide a staffed telephonic support service, as a minimum, during the Principal Period of Operation (PPO). The PPO hours for CONUS are Monday through Friday, 8:00 a.m. through 5:00 p.m. for each of the CONUS time zones, excluding U.S. Government holidays. The PPO for Germany and Korea is Monday through Friday, 8:00 a.m. through 5:00 p.m., OCONUS local time, excluding U.S. Government holidays and OCONUS Host Nation holidays. Recorded answering services are not acceptable during the PPO.

c. The Contractor shall provide a means to receive problem reports from users Outside of Principal Period of Operations (OPPO). The OPPO hours for CONUS are Monday through Friday, 5:01 p.m. through 7:59 a.m., for each of the CONUS time zones and 24 hours a day Saturday, Sunday and U.S. Government holidays. The OPPO hours for Germany and Korea are Monday through Friday, 5:01 p.m. through 7:59 a.m., OCONUS local time and 24 hours a day Saturday, Sunday and U.S. Government holidays and OCONUS Host Nation holidays. Recorded answering services are acceptable for use during OPPO hours.

d. In addition to telephonic support, the Contractor may provide other means [e.g., e-mail and/or World Wide Web (WWW) messaging capabilities] to accomplish the services set forth in paragraph 6.3.2.

6.3.2 Services

6.3.2.1 Order Processing/Tracking Information

During the PPO hours, as requested, the telephonic support personnel shall provide users with current order processing and tracking information applicable to given delivery/task orders. Examples of such information are the date the Contractor received the delivery/task orders, the scheduled delivery dates, and the shipment status.

6.3.2.2 Technical Assistance

The telephone support personnel shall receive equipment problem reports and attendant requests for assistance and perform the necessary actions to facilitate the timely resolution of reported problems.

6.4 WARRANTY

6.4.1 Warranty Period

The Contractor shall provide a minimum thirty-six (36) month warranty including parts and labor for all equipment delivered under this contract. All warranties for items accepted on the same date shall be for the same duration. The warranty period shall begin upon Government acceptance of the SCC-II equipment. The warranty shall include either mail-in/carry-in procedures, on-site procedures, or a combination of both. If provided, mail-in/carry-in procedures shall comply with paragraph 6.4.2 and on-site procedures shall comply with paragraph 6.4.3.

6.4.2 Mail-In/Carry-In Procedures

a. If mail-in/carry-in procedures are provided, the Contractor shall provide no-cost repair for SCC-II equipment delivered to the Contractor by mail or commercial carrier. The Government reserves the right to carry in SCC-II equipment for repair at no additional cost to the Government.

b. The Contractor shall bear all shipping costs both from and to Government sites. The Contractor shall be responsible for the equipment from time of receipt until safe return to the Government site.

c. For all CONUS locations, fully operational equipment shall be returned to the originating Government site within three workdays from the Contractor's receipt of equipment. For all OCONUS locations, fully operational equipment shall be returned to the originating Government site within six workdays from the Contractor's receipt of equipment.

6.4.3 On-Site Procedures

a. If on-site procedures are provided, the Contractor shall provide on-call, on-site repair for equipment delivered under this contract. The Government is primarily interested in on-site repair for equipment delivered to CONUS, Germany, and Korea.

b. The Contractor shall return equipment to a fully operational status within thirty-six (36) hours of a bona fide attempt to report the problem to the Contractor using the services provided pursuant to paragraph 6.3.

6.4.4 Replacement Parts

a. When the Contractor replaces a defective part during the warranty period, the newly installed part shall become Government property. The defective part shall become the property of the Contractor, except the Government reserves the right to retain defective disk drives containing sensitive or classified material which is required by statute or regulation to be destroyed or retained by the Government.

b. The effective warranty for all replacement items installed during the initial warranty period shall be equal to the remaining warranty period on the original item or 90 calendar days, whichever is greater.

c. Only new parts or parts certified by the Original Equipment Manufacturer (OEM) as equal to new shall be used in effecting warranty repairs. Additionally, all replacement parts shall be equal to or better than the replaced parts in terms of quality and performance.

6.4.5 Warranty Conditions

The Government may upgrade equipment delivered under this contract by inserting items or attaching other devices such as third party cards or disk drives without voiding the applicable warranty. Substitutions and additions of equipment not manufactured or supplied by the Contractor shall be subject to the following:

a. The Contractor shall not be responsible for damage caused to the original equipment provided the damage results from the use of third-party equipment, and

b. The Contractor shall not be responsible for defects or overall system performance degradation if such defects or performance degradation result from the use of third-party equipment.

6.5 MAINTENANCE (POST WARRANTY)

Upon expiration of the warranty, the Government may require the Contractor to provide maintenance of equipment in accordance with this section of the statement of work. The maintenance procedures shall allow for repair of equipment through either mail-in/carry-in procedures, on-site procedures, or a combination of both. If provided, mail-in/carry-in procedures shall comply with paragraph 6.5.1 and on-site procedures shall comply with paragraph 6.5.2. The performance period for maintenance shall begin ten days after receipt of the delivery order for the maintenance or at a later date as specified in the delivery order.

6.5.1 Mail-In/Carry-In Procedures

a. If mail-in/carry-in procedures are provided, the Contractor shall provide repair for SCC-II equipment delivered to the Contractor by mail or commercial carrier. The Government reserves the right to carry in SCC-II equipment for repair.

b. The Contractor shall bear all shipping costs both from and to Government sites. The Contractor shall be responsible for the equipment from time of receipt until safe return to the Government site.

c. For CONUS locations, fully operational equipment shall be returned to the originating Government site within three workdays from the Contractor's receipt of equipment. For OCONUS locations, fully operational equipment shall be returned to the originating Government site within six workdays from the Contractor's receipt of equipment.

6.5.2 On-Site Procedures

a. The Government is primarily interested in on-site repair for equipment delivered to CONUS, Germany, and Korea. If on-site procedures are provided, the Contractor shall provide on-call, on-site repair for equipment delivered under this contract.

b. The Contractor shall return equipment to a fully operational status within thirty-six (36) hours of a bona fide attempt to report the problem to the Contractor using the services provided pursuant to paragraph 6.3.

6.5.3 Replacement Parts

a. When the Contractor replaces a defective part, the newly installed part shall become Government property. The defective part shall become the property of the Contractor, except the Government reserves the right to retain defective hard drives containing sensitive or classified material which is required by statute or regulation to be destroyed or retained by the Government.

b. Only new parts or parts certified by the OEM as equal to new parts shall be used in effecting repairs. Additionally, all replacement parts must be equal to or better than the replaced parts in terms of quality and performance.

6.6 HARDWARE AND SOFTWARE DOCUMENTATION

The Contractor shall provide documentation for hardware and software delivered under this contract in accordance with commercial practices. To the extent that it is consistent with commercial practices, the hardware and software documentation shall be provided as separately-orderable items and not included in the equipment prices. Separately-orderable hardware and software documentation shall be delivered within 30 days of receipt of the delivery order.

6.7 CONFIGURATION MANAGEMENT

6.7.1 Correction of Safety Hazards or Equipment Malfunctions

a. In accordance with commercial practices, the Contractor shall notify the Contracting Officer and PO STACOMP of all OEM-sponsored changes to correct safety hazards or equipment malfunctions.

b. The Contractor shall implement changes to correct safety hazards in accordance with commercial practices. The implementation shall be in accordance with a mutually agreed-upon schedule. All such changes shall be implemented at no additional cost to the Government.

c. During the equipment warranty period or during any period in which post-warranty repair services are procured, the Contractor shall implement changes to correct equipment malfunctions in accordance with

commercial practices. The implementation shall be in accordance with a mutually agreed-upon schedule. These changes shall be made at no additional cost to the Government.

6.7.2 Current Technology Substitutions/Insertions/Additions

a. The Contractor shall propose changes within the general scope of the contract for the purpose of product substitutions, technology insertions, and/or additions to assure that state-of-the-art, commercial items are available for delivery in accordance with the contract terms and conditions.

(1) Product substitutions are replacement of contract items which have been officially announced as either out-of-production or no longer supported by the OEM. Substituted items shall be at the same or greater performance for the same or lesser price of the contract item being replaced.

(2) Technology insertions are upgrades and advancements in technology for existing contract items.

(3) Additions provide for new functionality not available on the contract. A new CLIN or sub-CLIN will be added to the contract for the addition of the new item.

b. The offer of product substitution, insertion, or addition shall include information sufficient to determine that the proposal satisfies the terms and conditions of the contract and in particular, this section of the SOW. The proposal shall be subject to negotiations and shall, as a minimum, include the following information:

(1) A description, in detail, of the difference between the existing contract item(s) and the product substitution or technology insertion and a specific analysis of the comparative advantages and disadvantages of each. For additions, the proposal shall provide a complete description of the new item and a correlative analysis of how the new item will benefit the Government.

(2) A discussion of how specific contract items would be changed if the proposal is accepted (e.g., if new equipment is offered to replace currently installed, will the old equipment be exchanged for the new equipment and on what basis).

(3) A statement as to how the changes will affect performance, costs, etc. and an item-by-item summary of any “street pricing” (including source of the “street price”) and any GSA pricing (including GSA Schedule Number).

(4) If applicable, an evaluation of the effects the change would have on the Contract Life Costs, such as maintenance, personnel, site modifications, and energy.

(5) An analysis of a timeframe in which the change should be instituted to obtain maximum benefit to the Government for the remainder of the contract.

c. The Contractor shall manage and propose product substitutions, technology insertions, and additions in a timely manner in order to allow sufficient time for Government approval and to provide, without a lapse in availability, Government-approved products throughout the entire ordering period of the contract. (Government review times will vary depending upon the complexity and newness of the item.)

d. The Government reserves the right to request a proposal for technology additions. Upon the Government's request, the Contractor shall prepare a proposal that complies with the requirements of paragraph 6.7.2.b.

e. The Government shall not reimburse the Contractor for proposal costs for product substitutions, technology insertions, and additions.

f. All approved changes shall be determined to be within the general scope of the contract and to be in the best interest of the Government. The decision as to the acceptability of such a proposal shall be at the sole and exclusive discretion of the Contracting Officer and is not subject to the Disputes clause of this contract. Acceptance of such a proposal shall be made by issuance of a written modification to this contract. Unless and until such a modification is issued to the Contractor, the Contractor remains obligated to perform in accordance with the terms of the existing contract.

g. In the event the contract modification results in equipment changes to any of the basic computer configurations, the Government may require the Contractor to perform a Government-witnessed demonstration prior to the first delivery of the revised configuration(s). As a minimum, the Contractor shall demonstrate that the equipment is capable of performing in a manner equal to or better than the applicable Contractor's certified benchmark test results and is capable of successfully executing the STAMIS application program(s) identified in Appendix III that operate on the basic configuration. In such an event, the Contractor shall perform the demonstration within 15 days after the Contracting Officer's request for the demonstration. At least seven days prior to the demonstration, the Contractor shall deliver to the Government a plan that outlines the agenda, procedures, and any constraints related to the demonstration.

6.8 CONTRACT MANAGEMENT

With the exception of excusable delays as set forth in Part II.a, paragraph ~~(h)~~ (f), the Contractor shall be liable for non-performance under this contract. In addition to the reporting requirements set forth in this paragraph, the Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible when non-performance is imminent or has occurred.

6.8.1 Monthly Project Status Reports

a. The Contractor shall provide monthly project status reports. At a minimum, the reports shall include the following information for the reporting period:

(1) Summary of Equipment Orders, Broken Out By STAMIS: This shall include the orders received, deliveries made, and the delivery location and required and actual delivery dates of each order

(2) Summary of Technical Support Services Orders, Broken Out By STAMIS: This shall include the orders received, deliveries made, and the delivery location and required and actual delivery dates of each order

(3) Summary of Warranty Repairs, Broken Out By STAMIS: This shall include identification of pertinent times and dates (e.g., time and date notified of problem, required repair time and date, time and date repaired, etc.)

(4) Summary of Maintenance Provided, Broken Out By STAMIS: This shall include identification of pertinent times and dates (e.g., time and date notified of problem, required repair time and date, time and date repaired, etc.)

(5) Current Technology Substitutions/Insertions/Additions Proposal Information

(6) Dollar Value of Delivery/Task Orders, including a breakout by STAMIS

(7) Concerns, Risks (to include those which are Government attributed) , Issues, and Potential Mitigating Actions

b. The first reporting period shall be from receipt of the first delivery/task order through the end of the next full calendar month. All subsequent reporting periods shall be from the first calendar day of the month through the last calendar day of the month. The monthly reports shall be submitted to the PO STACOMP within ten workdays from the end of the reporting period. The monthly status report shall be subject to Government approval. Any revisions to the report shall be submitted to the PO STACOMP within three workdays of receipt of Government comments.

c. The report shall be delivered in hard and soft copy formats to the PO STACOMP, the COR, and the Contracting Officer within two workdays following approval by the PO STACOMP. The Government is currently using MS Word 6.0 and Excel 5.0. The soft copy report shall be provided in the same or compatible format.

d. The Contractor shall attend meetings with the PO STACOMP as necessary to discuss issues and concerns relating to the contract. The location of each meeting will be within the National Capital Region.

6.8.2 Quarterly Logistics and Maintenance Report

a. The Government has a requirement to track logistics and maintenance information. The Government currently maintains this information in an MS Access 97 database. The Contractor shall provide a Quarterly Logistics and Maintenance Report which contains information on all equipment delivered under the contract, on a per-STAMIS, per-component (i.e., those components which are separately priced) basis for input into the Government's database. The report shall contain, at a minimum, the following information:

(1) Control Number (a number to track transactions)

(2) Delivery Order Number

(3) CLIN

(4) Description

(5) Manufacturer, including Commercial and Government Entity (CAGE) code

(6) Model/Part Number

(7) Serial Number

(8) Delivery point (including Unit/organization, Unit Identification Code (UIC), and DoD Activity Address Code (DODAAC))

(9) Warranty Start Date

(10) Maintenance Start Date and Expiration Date (excluding warranty)

b. The report shall be provided on a quarterly basis. The first reporting period shall be from receipt of the first delivery order for the Quarterly Logistics and Maintenance Report through the end of the first complete Government fiscal quarter. All subsequent reporting periods shall be from the first calendar day of the fiscal quarter through the last calendar day of the fiscal quarter. The report shall be submitted to PO STACOMP within ten workdays from the end of the reporting period. The report shall be subject to PO STACOMP approval. Any revisions to the report shall be submitted to PO STACOMP within three workdays of receipt of Government comments.

c. The report shall be delivered to the PO STACOMP and Tobyhanna Army Depot within two workdays following approval by PO STACOMP and shall be posted to the Web site pursuant to and in accordance with paragraph 6.8.3. The report shall be submitted in a format that is consistent with the Contractor's commercial practices.

6.8.3 Worldwide Web Site

a. Within 60 days after receipt of a delivery order for the Worldwide Web Site, the Contractor shall provide a Web site that shall be available on a 24-hour basis. As a minimum, the Web site shall include, or provide hyperlinks to, the following downloadable information:

(1) Quarterly Logistics and Maintenance Report (delivered pursuant to paragraph 6.8.2): This information, and any updates to this information, shall be posted to the Web site within 48 hours of Government approval. The Contractor may restrict access to the Quarterly Logistics and Maintenance Report that is posted on the Web Site to those individuals identified by the PO STACOMP.

(2) Copies of Device Drivers: The Government desires that all drivers needed to adequately operate the SCC-II equipment be posted to the Web site. At a minimum, the Contractor shall post to the Web site those drivers that were developed by the Contractor for use under this contract. Any initial drivers shall be posted to the Web site within 60 days after the contract effective date. New/updated drivers shall be posted to the Web site within 48 hours of Government approval. In the event that drivers are updated, the original version shall be maintained on the Web site.

(3) Ordering Catalog : At a minimum, this catalog shall contain sufficient information to allow users to complete a delivery order and to determine which contract line items (to include pertinent terms and conditions) best meet operational requirements. Except during the last contract year, the ordering guide shall contain, at a minimum, CLINs and prices for a two-year period (i.e., the then-current-year and subsequent year). The ordering guide shall be subject to Government approval prior to posting on the Web site. Any revisions to the information shall be submitted to the PO STACOMP within three workdays of

receipt of Government comments. The approved ordering catalog shall be posted to the Web site within 60 days after contract effective date. An updated version of the catalog shall be posted to the Web site within two days of any changes to the information contained in the catalog.

(4) STAMIS Application Load Procedures and Tapes: For STAMIS applications for which there are integration CLINs, the Contractor shall post the software load procedures and tapes on the Web site. New/revised software load procedures and/or tapes shall be posted to the Web site within 48 hours of availability.

(5) Other Information Normally Provided to Commercial Customers: The Contractor shall post to the Web site any other information which is normally provided to commercial customers via a Web site and which the Contractor feels would be useful to SCC-II users.

b. The downloadable electronic documents shall be readable and printable using software applications that are compatible with MS Office Suite.

6.8.3 SCC-II ILOGS Liason Support

The ILOGS Program Office Liaison for SCC-II will report directly to GTSI's Program Director – SCC-II, and is responsible for providing on-site support to the Army's SCC-II and ILOGS Program Management Offices, Contracting Offices, and the technical evaluation and test centers. This is accomplished, in part, by developing relationships with key individuals who have responsibility for issues critical to the customer as well as any issues that may impact contract performance or obligations. The Contractor Liaison will also provide feedback to GTSI's SCC-II Program Manager to ensure both the customer and the contract needs are addressed. We believe that this level of support is essential due to our experience under the Air Force Desktop IV contract.

The ILOGS Program Office Liaison's key responsibilities will be as follows:

Administrative Liaison. Develop a thorough understanding of the STAMIS community and of the ILOGS contracts. Act as the government's Program Management / Contracting Office's primary point of contact for problem resolution and for obtaining and coordinating products and services.

Technical Support: Develop a working knowledge of all products offered under the SCC-II contract, and all products currently in the STAMIS user environment. Monitor any escalated customer trouble calls and provide technical assistance to resolve immediate problems.

Delivery Order Tracking and Expediting: Interface with GTSI Inside Sales Team to assure timely delivery of products ordered. Monitor the progress of expedited orders. Provide advance notice to GTSI's Inside Sales Team of large Delivery Orders that are in the pipeline. Ensure orders processed by the central order processing facility are accurate before they are forwarded to the Inside Sales Team.

Decision Making Authority: Day-to-day decision making authority while on-site. Will bring to the attention of the SCC-II Program Manager any major issues which call for a significant commitment by GTSI or which significantly affect the contract as a whole.

Key Relationships: Effective performance in this position requires daily interaction with the SCC-II Program Management Office, Contracting Office, and technical evaluation team(s). The liaison will report daily to GTSI's SCC-II Program Manager, and, as needs arise, will have direct interface with GTSI's Technical Support Group, Marketing Mangers, Sales, and Purchasing.

Technical Liaison: Assist the Army technical evaluation teams in facilitating integration / service requirements. Classify competitive products, respond to contract requirements, and address the need for product updates / improvements. Be knowledgeable of potential product additions. Remain alert for potential and escalating problems. Maintain close communications with Army and ILOGS test and evaluation teams, track the progress of product evaluations and testing, and promote timely product acceptance.

6.9 SECURITY

6.9.1 Contractor Personnel Security Clearances

The Contractor shall ensure that Contractor personnel have the necessary Government security clearances. The highest clearance level required under the contract will be Secret as established by DD Form 254, Contract Security Classification Specification, at Part III, Attachment III.b of the contract. The Contractor shall not claim lack of security clearances as a reason for non-compliance. The specific security access requirements will be set forth in each respective delivery/task order.

6.9.2 Access to Controlled Access Government Facilities

As necessary for performance on this contract, the Government will provide assistance to the Contractor in gaining access to Government facilities, including controlled access areas.

END OF STATEMENT OF WORK

APPENDIX I
TO THE SCC-II STATEMENT OF WORK AND SPECIFICATION

APPLICABLE DOCUMENTS

In the event that any of the documents listed in this Appendix have been canceled or superseded, the most recent document in effect at the time of release of the solicitation shall govern.

I.1 COMPUTER/COMMUNICATIONS DOCUMENTS

I.1.1 Federal Information Processing Standards (FIPS): The following FIPS publications, which are applicable to this contract, may be obtained from the U.S. Department of Commerce, National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, Phone: 703/487-4650.

a. FIPS Pub 1-2 (14 Nov 84), Code for Information Interchange, Its Representations, Subsets, and Extensions.

b. FIPS Pub 11-3 (1 Feb 91), Guideline: American National Dictionary for Information Systems.

c. FIPS Pub 86 (10 Feb 83), American National Standard Code for Information Interchange.

d. FIPS Pub 107 (31 Oct 84), Local Area Networks: Baseband Carrier Sense Multiple Access with Collision Detection Access Method and Physical Layer Specifications and Link Layer Protocol (ANSI/IEEE 802.2).

e. FIPS Pub 158-1 (8 Oct 93), The User Interface Component for the Applications Portability Profile.

I.1.2 International Telecommunications Union (ITU): The following ITU documents, which are applicable to this contract, may be obtained from the U.S. Department of Commerce, National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, Phone: 703/487-4650.

a. ITU-T I.200, Guidance to the I.200 Series of Recommendations - Integrated Services Digital Network (ISDN) - General Structure and Services Capabilities.

b. ITU-T V.29, 9600 Bits Per Second Modem Standardization for Use on Point-to-Point 4-Wire Leased Telephone-Type Circuits.

c. ITU-T V.34, General Structure of Signals of National Alphabet No. 5 Code for Data Transmission Over Public Data Networks.

d. ITU-T V.42bis, Modem Data Compression.

I.1.3 Internet Engineering Task Force (IETF): The following IETF documents, which are applicable to this contract, may be obtained from Internet Architecture Board, Internet Society (ISOC), 12020 Sunrise Valley Drive, Suite 270, Reston, VA 22091, Web Sites: http:// www.isoc.org and http://www.iab.org. Standards are published electronically via: The Internic Dictionary and Database Service, Web Site: http://www.ds.internic.net.

a. Request for Comments (RFC)-1332, Point-to-Point (PPP) Internet Protocol Control Protocol (IPCP), May 1992.

b. RFC-1333, PPP Link Quality Monitoring, May 1992.

c. RFC-1334, PPP Authentication Protocols, October 1992.

d. RFC-1541, Dynamic Host Configuration Protocol, October 1993.

e. RFC-1570, PPP Link Control Protocol (LCP) Extensions, January 1994.

f. RFC-1577, Classical IP and ARP over ATM, January , 1994.

g. RFC-1661, The Point-to-Point Protocol, July 1994.

h. RFC-1662, PPP in HDLC-like Framing, July 1994.

i. RFC-1738, Uniform Resource Locators (URL), December 1994.

j. RFC-1808, Relative Uniform Resource Locators, June 1995

k. RFC-1945, HyperText Transfer Protocol -- HTTP/1.0, May 1996.

l. STD-3, Host Requirements, October 1989.

m. STD-5, Internet Protocol, September 1981.

n. STD-6, User Datagram Protocol, August 1980.

o. STD-7, Transmission Control Protocol), September 1981.

p. STD-8, TELNET Protocol Specifications, May 1983.

q. STD-9, File Transfer Protocol (FTP), October 1985.

r. STD-13, Domain Names-Concepts and Facilities, November 1987.

s. STD-16, Structure and Identification of Management Information for TCP/IP- Based Internets, May 1990.

u. STD-17, Management Information Base for Network Management of TCP/IP-Based Internets: MIB-II, March 1991.

v. STD-35, ISO Transport Service on Top of the TCP (Version 3), May 1987.

w. STD-36, Transmission of IP and ARP over FDDI Networks, January 1993.

x. STD-37, An Ethernet Address Resolution Protocol, November 1982.

y. STD-41, Standard for the Transmission of IP Datagrams over Ethernet Networks, April 1984.

z. STD 51, Point-to-Point Protocol (PPP), July 1994.

I.1.4 American National Standards Institute (ANSI): The following ANSI/ISO documents, which are applicable to this contract, may be obtained from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

a. ANSI T1.630, ATM Adaption Layer for Constant Bit Rate Services Functionality and Specification, 1993.

b. ANSI T1.635, ATM Adaption Layer Type 5, Common Part Functions and Specification, 1994.

c. ANSI X3.4-86, Bit American National Standard Code for Information Interchange.

d. ANSI X3.131-1994, Small Computer System Interface - 2 (SCSI-2).

e. ANSI X3.299-1994, Fiber Distributed Data Interchange (FDDI) Station Management (SMT).

f. ANSI X4.23-82, Keyboard Arrangement of Alphanumeric Machines.

g. ISO 9314, Fiber Distributed Data Interface (FDDI).

h. ISO 9660, Volume and File Structure for CD-ROM.

i. ISO 10149-95, Information Technology - Data Interchange on Read Only 120mm Optical Data Disk (CD-ROM).

j. ISO 11172, Motion Pictures Expert Group (MPEG) - Interchange format used for full-motion video and associated audio data.

I.1.5 Electronic Industries Association (EIA): The following EIA documents, which are applicable to this contract, may be obtained from the Electronic Industries Association, 2001 Eye Street, Washington, DC 20006.

a. EIA 232E, Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange, July 1991.

b. EIA 449, General Purpose 37-Position and 9-Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange, February 1980.

c. EIA 530A, High Speed 25-Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment, June, 1992, including Alternate 26-Position Connector., 1992.

I.1.6 Institute of Electrical and Electronic Engineers (IEEE): The following IEEE documents, which are applicable to this contract, may be obtained from the IEEE Customer Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, Phone: 800/678-IEEE. The Web Site is http://www.ieee.org/.

a. IEEE 802.2 (ISO/IEC 8802-2, 1994), Local and Metropolitan Area Networks, Part 2: Logical Link Control, 1989.

b. IEEE 802.3 (ISO/IEC 8802-3, 1996), Local and Metropolitan Network, Part 3: Carrier Sense Multiple Access With Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, 1992.

c. IEEE 802.3u (ISO/IEC 8802-3, 1993), Local and Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100Mb/s Operation, Type 100 BASE-T, 1995.

I.1.7 Energy Star: The following document, which is applicable to this contract, may be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, Phone: 703/487-4650. (Note: This document was formally referred to as document KAP-93-4-1 which was written by the General Services Administration in coordination with the Environmental Protection Agency (EPA).)

PB95-250304, Energy-Efficient Microcomputers: Guidelines on Acquisition, Management and Use.

I.1.8 Peripheral Component Interconnect (PCI): The following PCI specifications, which are applicable to this contract, may be obtained from PCI Special Interest Group, P.O. Box 14070, Portland, OR 97214, Phone: 1-800/433-5177, Fax: 503/234-6762.

a. Peripheral Component Interconnect BIOS Specification, Rev. 2.1.

b. Peripheral Component Interconnect Multimedia Design Guide, Rev. 1.0.

c. Peripheral Component Interconnect Specification, Rev. 2.1.

I.1.9 Personal Computer Memory Card International Association (PCMCIA): The following PCMCIA standard, which is applicable to this contract, may be obtained from Personal Computer Memory Card International Association, 2635 North First Street, Suite 209, San Jose, CA 95134, Phone: 408/433-2273, Fax: 408/433-9558.

PC Card Standard 95.

I.1.10 Open Software Foundation (OSF): The following OSF document, which is applicable to this contract, may be obtained from OSF Directory Channels 617/621-7300. The Web Site is http://www.osf.org/.

Open Software Foundation (OSF)/MotifTM Style Guide, Revision 1.2 (OSF), 1992.

I.1.11 ATM Forum: The following ATM Forum documents, which are applicable to this contract, may be obtained from the ATM Forum, 480 San Antonio Road, Suite 100, Mountain View, CA 94040-1219, Phone: 415/962-2585.

a. ATM Forum User-Network Interface (UNI) Specification, Version 3.1, September 1994

b. ATM Forum Private Network-Network Interface (PNNI) Specification, Version 1, WP 510-1728WC-B, 1 August 1995.

I.2 SECURITY DOCUMENTS

The following DoD Standard, which is applicable to this contract, may be obtained from the Superintendent of Documents, U.S. Government Printing Office, North Capitol and H Streets, N.W., Washington, DC 20402, Phone: 202/512-1800.

DoD 5200.28-STD, Department of Defense Trusted Computer System Evaluation Criteria, December 1985 (Orange Book) - GPO Stock No. 008-000-00461-7.

I.3 TECHNICAL ARCHITECTURE DOCUMENTS

The following technical architecture documents are available on the world wide web at the identified URLs.

a Department of the Army Technical Architecture (ATA), Version 4.5, dated 12 November 1996: http://www.hqda.army.mil/webs/techarch/

b. Department of Defense Technical Architecture Framework for Information Management (TAFIM), Version 2.0: http://www.itsi.disa.mil.

END OF APPENDIX I TO STATEMENT OF WORK

APPENDIX II
TO THE SCC-II STATEMENT OF WORK AND SPECIFICATION

DEFINITIONS

II.1 DEFINITIONS

II.1.1 Contractor's Certified Benchmark Results: The certified benchmark results included in the Contractor's proposal pursuant to solicitation paragraph 14.2.7 of Part IV.a**.**

II.1.2 Continental United States (CONUS): All locations and sites within the 48 contiguous states, including the District of Columbia.

II.1.3 Days: Unless otherwise noted, as "working days" all references to days shall refer to calendar days.

II.1.4 Equipment: The term equipment as used throughout the specification refers to hardware, software, and/or firmware.

II.1.5 Outside the Continental United States (OCONUS): All locations outside the 48 contiguous states of the United States.

II.1.6 Open Systems Environments (OSE): The comprehensive set of interfaces, services, and supporting formats; plus user aspects, for interoperability or for portability of applications, data, or people, as specified by information technology standards and profiles. Source: IEEE P1003.0 POSIX Committee.

II.1.7 State-of-the-Art Technology: Commercial products that represent recent product designs and performance features. It does not include out-of-date, discontinued hardware and software

II.1.8 Typical STAMIS Configuration: Part III.a, Appendix III contains typical configurations for each STAMIS that requires additional integration as set forth in Part III.a, paragraph 6.1.2.2. These typical STAMIS configurations are identified in each STAMIS description under the paragraph entitled "Typical Configuration".

II.1.9 Year 2000 Compliant: Year 2000 compliant means information technology purchased under this contract that complies with Part III.a, Appendix III, paragraph III.2.11 of this contract.

END OF APPENDIX II TO STATEMENT OF WORK

APPENDIX III
TO THE SCC-II STATEMENT OF WORK AND SPECIFICATION

EQUIPMENT SPECIFICATION

III.1 INTRODUCTION

By commencement of the validation demonstration required by Part III.a, paragraph 6.1.4, all equipment to be delivered under this contract shall satisfy the general performance requirements set forth in this equipment specification.

III.2 GENERAL PERFORMANCE REQUIREMENTS

III.2.1 Commercial Equipment

All equipment delivered under this contract shall be commercial items as defined in the Federal Acquisition Regulation (FAR) Clause 52.202-1.

III.2.2 Only New Equipment

Only new equipment shall be delivered under this contract. The Contracting Officer will not grant approval for used or reconditioned equipment. Components of such equipment may be reconditioned provided such components are drawn from stockage that does not differentiate between new and reconditioned components.

III.2.3 National Institute of Standards and Technology/ National Voluntary Laboratory (NIST/NVLAP) Certification

The equipment shall comply with all current releases to NIST/NVLAP standards for Structured Query Language (SQL), and TCP/IP.

III.2.4 Federal Communications Commission (FCC) Certification

All applicable hardware components shall meet, as appropriate, the requirements of the FCC Class A or Class B. The applicable equipment FCC Class shall remain unchanged after installation of contractor-provided internal devices. All applicable hardware components for Outside Continental United States (OCONUS) shall meet the International Special Committee on Radio Interference (CISPR) 22, Class A (International) standards for Radio Frequency Interference/Electromagnetic Interference (RFI/EMI), be Underwriters and European Community (CE) certified.

III.2.5 Compliance with Energy Star Requirements

Applicable hardware components (e.g., computers, monitors, printers, etc.) shall comply with the Environmental Protection Agency (EPA) "Energy Star" requirements as forth in NTIS document PB 95-250304.

III.2.6 Compliance with Federal Information Processing Standards (FIPS)

a. All servers, desktops and notebooks shall comply with FIPS Pubs I-2, 86, and 158-1.

b. All equipment provided in support of Local Area Networks (LANs) shall comply with FIPS Pub 107.

III.2.7 Compliance with International Telecommunications Union (ITU) Documents

As applicable, all modems shall comply with ITU-T I.200, V.29, V.34, and V.42bis.

III.2.8 Compliance with American National Standards Institute (ANSI) Documents

a. As applicable, servers, desktops and notebooks shall comply with ANSI X3.131-1994 and X3.4-86.

b. All keyboards for servers and desktops shall comply with ANSI X4.23-82.

c. Equipment provided in support of Fiber Distributed Data Interchange (FDDI) networks shall comply with ANSI X3.299-1994.

d. CD-ROM drives shall comply with ISO 9660 and, as applicable, ISO 10149-95.

III.2.9 Compliance with Peripheral Component Interconnect (PCI) Documents

All server, desktop, and notebook hardware shall comply with PCI BIOS Specification, Rev. 2.1; PCI Multimedia Design Guide, Rev. 1.0; and PCI Specification, Rev. 2.1.

III.2.10 Compliance with Personal Computer Memory Card International Association (PCMCIA) Documents

All server, desktop, and notebook hardware shall comply with PC Card Standard 95.

III.2.11 Year 2000 Warranty--Commercial Supply Items

a. Except as provided in subparagraph c. below, the Contractor warrants that each hardware, software, and firmware product delivered under this contract shall be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the product documentation provided by the contractor, provided that all products (e.g., hardware, software, firmware), including those delivered under this contract, used in combination with such products delivered under this contract properly exchange the date data with such contract products. If the contract requires that specific

listed products must perform as a system in accordance with the foregoing warranty, then that warranty shall apply to those listed products as a system.

b. The duration of this warranty and the remedies available to the Government for breach of this warranty shall be as defined in, and subject to, the terms and limitations of the contractor's standard commercial warranty or warranties contained in this contract. However, notwithstanding any provision to the contrary in such commercial warranty or contract warranties, or in the absence of any such warranty or warranty provisions:

(1) the remedies available to the Government under this warranty shall include, at the option of the Government, repair or replacement of any non-compliant product, and reimbursement for correction of damage to other system components caused by any non-compliant product, provided the non-compliance is discovered and made known to the contractor in writing within ninety (90) days after the end of the Year 2000 warranty period, and

(2) the warranty shall begin no later than acceptance and end no earlier than 31 March 2000. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract with respect to defects other than Year 2000 performance.

c. Non-compliant products shall be upgraded to be Year 2000 compliant prior to the earlier of

(1) the earliest date on which the delivered product(s) may be required to perform date/time processing involving dates later than December 31, 1999, or

(2) December 31, 1999.

III.2.12 Compliance with Army Technical Architecture (ATA)

a. General

The Army's Technical Architecture (ATA) is the minimal set of rules governing the arrangement, interaction, and interdependence of the parts or elements that together may be used to form an Army information system. Its purpose is to ensure that a conformant system satisfies a specified set of requirements. The ATA applies to all systems that produce, use, or exchange information electronically. The ATA will be used by anyone involved in the management, development, or acquisition of new or improved Army Information Systems. The ATA uses the concept of a Common Operating Environment (COE) that provides a re-useable set of common software services via standard application programming interfaces (APIs).

b. Specific ATA Requirements Applicable to this Acquisition

Except as noted in Paragraph III.2.12.c, equipment shall comply with the following requirements taken from ATA Version 4.5.

(1) Host Standards (reference ATA paragraph 3.2.1): All hosts shall adhere to Open Systems Interconnection (OSI) reference model STD-3 (Host requirements).

(2) Internetwork Layer Standards (reference ATA paragraph 3.2.1.1): STD-5 (Internet Protocol) shall be used at the internetwork layer. All implementations of IP must pass the received Type-of-Service (TOS) values up to the transport layer.

(3) Transport Layer Standards (reference ATA paragraph 3.2.1.2: STD-7 (Transmission Control Protocol) (TCP) shall be used at the transport layer.

(4) Application and Support Standards (reference ATA paragraph 3.2.1.3):

(i) File Transfer: Basic file transfer shall be accomplished using the File Transfer Protocol (FTP), as specified in STD-9 (FTP). FTP implementations must support for reception the Store Unique (STOU) and Abort (ABOR) commands.

(ii) Remote Terminal: Basic remote terminal services shall be accomplished using Telecommunications Network (TELNET) as specified in STD-8 (TELNET Protocol).

(iii) Electronic Mail: The standard for electronic mail is Defense Message System (DMS) - compliant X.400 as specified in Allied Communication Publication (ACP) 123 and U.S. Supplement No. 1. Note that X.400 is not an Internet standard and must operate over TCP through the use of STD-35 (ISO Transport Service on top of the TCP (Version 3).

(iv) Directory Services: International Telecommunications Union (ITU) X.500 is mandated for use with DMS. Note that X.500 is not an Internet standard and must operate over TCP through the use of STD-35 (ISO Transport Service on top of the TCP (Version 3).

(v) Translating Names to Addresses: The Domain Name System (DNS) shall use TCP as a transport service, as specified in STD-13 (Domain Names-Concept and Facilities) .

(vi) Dynamic Configuration: The Dynamic Host Configuration Protocol (DHCP) shall be used to deliver host-specific configuration parameters from a DHCP server to a host and to automatically allocate IP addresses to hosts. DHCP, which uses UDP as a transport service, is specified in RFC-1541 (Dynamic Host Configuration Protocol).

(vii) HyperText Transfer: The HyperText Transfer Protocol (HTTP) shall be used to support HyperText search and retrieval. HTTP, which uses TCP as a transport service, is defined in RFC-1945 (HTTP -- HTTP/1.0). Uniform Resource Locator (URLs), are defined in RFC-1738 (URLs) and RFC-1808 (Relative Uniform Resource Locators).

(5) Network Standards (reference ATA paragraph 3.2.3), Serial Lines (reference ATA paragraph 3.2.3.1)

(i) For full duplex, synchronous or asynchronous, point-to-point communication, the following standards are mandated:

- Internet Architecture Board (IAB) Standard 51/RFC-1661/RFC-1662, Point-to-Point Protocol (PPP)

- RFC-1332, PPP Internet Protocol Control Protocol (IPCP)
- RFC-1333, PPP Link Quality Monitoring
- RFC-1334, PPP Authentication Protocols
- RFC-1570, PPP Link Control Protocol (LCP) Extensions

(ii) The serial line interface shall comply with one of the following mandated standards:

- Electronics Industries Association (EIA) 232E, Interface Between Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange
- EIA 449, General Purpose 37-Position and 9-Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment Employing Serial Binary Data Interchange (This calls out EIA 422B and 423B.)
- EIA 530A, High Speed 25-Position Interface for Data Terminal Equipment and Data Circuit Terminating Equipment, including Alternate 26-Position Connector (This calls out EIA 422B and 423B.)

(7) Ethernet (reference ATA paragraph 3.2.3.2)

At the physical layer, Ethernet shall be implemented with any of four different types of cable. The implementations (and cable types) shall be as defined by the IEEE as: 10Base-5 (thick coaxial); 10Base-2 (thin coaxial); 10Base-T (unshielded twisted pair); and 10Base-F (fiber-optic cable). Platforms that must physically connect to a Joint Task Force Local Area Network shall support an IEEE 802.3, 10Base-T connection. Ethernet physical layer and carrier sense multiple access with collision detection (CSMA/CD) access scheme are specified in IEEE 802.3. The interface between Ethernet and IP shall be in accordance with STD-37 (An Ethernet Address Resolution Protocol) and STD-41 (Standard for the Transmission of IP Datagrams over Ethernet Networks). For higher speed requirements, 100-Mbps Ethernet technology shall be implemented in accordance with the Fast Ethernet standard, IEEE 802.3u.

(8) Fiber Distributed Data Interface (FDDI) (reference ATA paragraph 3.2.3.3)

These International Organization for Standardization (ISO) standards, which define FDDI, shall apply: 9314-1(physical layer), 9314-2 (media access control), and 9314-3 (medium dependent). In addition, the Station Management (SMT) protocol defined in ANSI X3.229 shall be used. The Logical Link Control (LLC) layer for FDDI shall be as specified in IEEE 802.2. The interface between FDDI and IP shall be in accordance with STD-36 (Transmission of IP and ARP over FDDI Networks).

(9) Asynchronous Transfer Mode (ATM) (reference ATA paragraph 3.2.3.4)

The ATM Forum's User-Network Interface (UNI) Specification, Version 3.1, shall be used as the set of network access protocols for ATM switches. The Private Network-Network Interface (PNNI)

Specification, Version 1 is mandated. There are currently four defined ATM Adaptation Layer (AAL) protocols to support different service classes. The ATA mandates two of these AAL protocols. AAL1 shall be used to support constant bit rate service, which is sensitive to cell delay, but not cell loss. AAL5 shall be used to support variable bit rate service. AAL1 and AAL5 are specified in ANSI T1.630 and T1.635, respectively. IP packets shall be transported over AAL5, in accordance with RFC-1577 (Classical IP and ARP over ATM). Ethernet can be emulated by ATM networks using Local Area Network (LAN) Emulation over ATM, Version 1.0.

(10) Graphical User Interfaces (GUIs) (reference ATA paragraph 5.2.1.1)

Graphical user interfaces for Army automated systems shall be based on a commercial user interface style in accordance with style guides listed below:

(i) Open Software Foundation (OSF)/MotifTM Style Guide, Revision 1.2 (OSF)

(ii) The WindowsTM Interface: An Application Design Guide, Microsoft Press

(11) User Interface Services (reference ATA paragraph 2.2.2.1.2)

Common Desktop Environment, which is based on X Window System and Open Software Foundation (OSF) Motif, is mandated. Also, Win32 APIs shall be used in the sustaining base/office automation domain. The following standards apply:

(i) FIPS Pub 158-1, X Window System, Version 11, Release 5

(ii) OSF, 1992, Motif Application Environment Specification, Release 1.2

(iii) OSF/Motif Inter Client Communications Convention Manual (ICCCM)

(iv) X/Open C323, Common Desktop Environment (CDE) Version 1.0, April 1995

(v) Win32 APIs, Microsoft Win32 Programmers Reference Manual, Volumes 1-5, 1993, Microsoft Press

(12) Data Management Services (reference ATA paragraph 2.2.2.1.3)

The following standard is mandated for any system required to use a Relational Database Management System: FIPS Pub 127-2, Database Language - SQL. Also, the sustaining base/office automation domain systems shall develop or acquire client applications that follow the following data management services: Open Data Base Connectivity (ODBC), ODBC 2.0: Provides standard call level APIs between database application clients and the database server.

(13) Operating System Services (reference ATA paragraph 2.2.2.1.7)

Operating system services, including kernel operations, shell and utilities; shall be accessed by applications through applicable standard Portable Operating System Interface (POSIX) APIs. Not all operating system

services are required to be implemented, but those that are shall comply with the standards. In addition, sustaining base/office automation domain systems shall develop or acquire applications that follow Win32 APIs. The following standards apply:

(i) IEEE 1003.1, Information Technology - Portable Operating System Interface (POSIX) - Part I: System Application Program Interface (API)

(ii) IEEE 1003.2, POSIX: Shell and Utilities (as profiled by FIPS Pub 189-1)

(iii) IEEE 1003.2d, POSIX: Shell and Utilities - Batch Environment

(iv) IEEE 1003.5: 1992, POSIX: Ada Language Interfaces Part 1: Binding for System API

(v) Win32 APIs, Microsoft Win32 Programmers Reference Manual, Volumes 1-5, 1993, Microsoft Press

c. Exceptions to ATA Requirements

The following equipment, although not compliant with the ATA requirements set forth in paragraph III.2.12.b, are required in order to support specific STAMIS requirements:

(1) MS DOS, Version 6.22

(2) Non-SNMP capable Printer Server

(3) Non-SNMP Network Hub

III.2.13 Power Requirements

Equipment requiring line power (except for desktop UPSs, printers, print servers, network hubs, and external modems) shall be autosensing or line switchable between 110 and 220 volts AC and between 60 and 50 Hz. For ink jet, dot matrix, and high speed impact printers, , the Contractor shall provide step-down transformers (i.e., from 220 VAC to 110 VAC) and universal power plug adapters for use in OCONUS locations. The Contractor shall provide desktop UPSs, laser printers, print servers, network hubs, and external modems with a 220 VAC/50 Hz power supply and proper power cables including universal power plug adapters for use in OCONUS locations. In addition to the items listed above, the Contractor shall provide separate power strips for use in CONUS locations (i.e., for 110 VAC/60 Hz power) and OCONUS locations (i.e., for 220 VAC/50 Hz power). All equipment shall be certified by Underwriters Laboratory.

III.2.14 User Replaceable Components

All user-replaceable components; e.g., batteries, ribbons, toner cartridges, diskettes, and tapes; shall be replaceable by the user without requiring special tools or a maintenance technician.

III.2.15 Commercial Software

All commercial software fixes, patches, and revisions available free to the general public shall be provided free to the Government for the life of the contract.

III.2.16 Notebooks

III.2.16.1 Minimum Notebook Configuration Requirements

A basic notebook and a multi-media notebook shall be provided. The basic notebook configuration shall support and be capable of successfully running the following software: MS DOS, Version 6.22; MS Windows for Workgroups, Version 3.11; and MS Windows NT for Workstations, Version 4.0. The multi-media notebook configuration shall support and be capable of successfully running the following software: MS DOS, Version 6.22; MS Windows NT for Workstations, Version 4.0; and SCO Unix Open Desktop, Version 5.0. The minimum configuration requirements for each of the notebooks are set forth in the following table:

COMPONENT/ITEM	BASIC NOTEBOOK	MULTIMEDIA NOTEBOOK
	(An "X" in the cell indicates that the component/item is a minimum requirement. A shaded cell indicates that the component/item is not a minimum requirement.)	
BASIC UNIT		
Pentium-class CPU	X Shall have a WinBench 97 CPUmark32 rating of at least 180	X Shall have a WinBench 97 CPUmark32 rating of at least 180
At least 16MB of RAM	X	X
1GB or larger hard disk drive with controller	X	X
Internal video controller with at least 1MB RAM	X	X
One serial communication port and one parallel communication port which operate concurrently	X	X
Internally-mounted, Type III PC Card slot capable of supporting two Type II PC Cards	X	X
Internal 3.5-inch floppy drive	X May be swappable with internal CD-ROM	X
Built-in pointing device	X	X
Power supply switchable between 110 and 220 VAC	X	X
Internal CD-ROM Drive	X May be swappable with internal 3.5-inch floppy drive	X
Full-function keyboard	X	X
Externally-available SVGA and keyboard ports	X	X
Internal removable battery providing at least 2 hours of unattended operation without recharging	X	X
Color display	X	X Shall be an active matrix color display
Sound card that is Sound Blaster Pro-compatible and Windows-compatible		X
Internal speakers with stereo sound		X
MPEG-I		X
Internal microphone		X
33.6kps internal or PC Card FAX/modem	X	X
Extra battery providing at least 2 hours of unattended operation without recharging	X	X
Standalone battery charger	X	X

COMPONENT/ITEM	BASIC NOTEBOOK	MULTIMEDIA NOTEBOOK
Carrying case for notebook	X	X

III.2.16.2 Minimum Upgrade Requirements for Notebook Configurations

Upgrades to the configurations set forth in III.2.16.1 shall be provided. The minimum upgrade requirements are identified in the following table:

UPGRADE	BASIC NOTEBOOK	MULTIMEDIA NOTEBOOK
	(An "X" in the cell indicates that the component/item is a minimum requirement.)	
RAM upgrade(s) to maximum notebook capacity	X	X
Hard disk drive upgrade(s)	X	X

III.2.17 Desktops and Servers

III.2.17.1 Minimum Desktop and Server Configuration Requirements

A desktop, a low-end server, and a high-end server shall be provided. The desktop configuration shall support and be capable of successfully running the following software: MS DOS, Version 6.22; MS Windows for Workgroups, Version 3.11; MS Windows NT for Workstation, Version 4.0; and SCO Unix Open Desktop, Version 5.0. The low-end server configuration shall support and be capable of successfully running the following software: MS DOS, Version 6.22; MS Windows NT for Server, Version 4.0, including multi-user add-ons; and SCO UNIX Open Server Enterprise with DOS Merge, Version 5.0, including multi-user add-ons. The high-end server configuration shall support and be capable of successfully running the following software: MS-DOS, Version 6.22; MS Windows NT for Server, Version 4.0, including multi-user add-ons; and SCO UNIX Open Server Enterprise with DOS Merge, version 5.0, including multi-user add-ons. The minimum configuration requirements for each of the aforementioned items are set forth in the following table:

COMPONENT/ITEM	DESKTOP	LOW-END SERVER	HIGH-END SERVER
	(An "X" in the cell indicates that the component/item is a minimum requirement.)		
BASIC UNIT			
CPU	X Shall be a Pentium class and have a WinBench 97 CPUmark32 rating of at least 330	X Shall be a Pentium Pro class and have a WinBench 97 CPUmark32 rating of at least 500	X Shall be a dual Pentium Pro class and have a WinBench 97 CPUmark32 rating of at least 550
RAM	X At least 16MB	X At least 32MG	X At least 64MB
Disk drive with controller	X 1GB or larger	X 2GB or larger	X Shall be removable and 4GB or larger
Internal video controller with at least 1MB of RAM	X	X	X
Two serial communication ports and one parallel communication port that operate concurrently	X	X	X

COMPONENT/ITEM	DESKTOP	LOW-END SERVER	HIGH-END SERVER
	(An "X" in the cell indicates that the component/item is a minimum requirement.)		
Front-mounted, internal, Type III PC Card Slot Capable of Supporting Two Type II PC Cards	X	X	X
Internal 3.5-inch Floppy Drive	X	X	X
Internal CD-ROM Drive	X	X	X
Internal power supply switchable between 110 and 220 VAC	X	X	X
Internal network interface card with AUI, BNC and RJ-45 connectors	X	X	X
Metal case	X Shall have at least 4 externally-accessible bays and 1 internal bay	X Shall have at least 5 externally-accessible bays and 2 internal bay	X Shall have at least 4 externally accessible bays for PC Card, diskette, CD-ROM and tape drives and at least 4 other externally accessible bays for removable hard disk drives
Full-function keyboard	X	X	X
External pointing device	X	X	X
15-inch, SVGA, color monitor with autosensing, autoswitchable power supply for 110 and 220 VAC operation	X	X	X

III.2.17.2 Minimum Upgrades Requirements for Desktop and Server Configurations

Upgrades to the configurations set forth in III.2.17.1 shall be provided. The minimum upgrade requirements are identified in the following table:

UPGRADE	DESKTOP	LOW-END SERVER	HIGH-END SERVER
	(An "X" in the cell indicates that the component/item is a minimum requirement. A shaded cell indicates that the component/item is not a minimum requirement.)		
RAM upgrade(s) to maximum motherboard capacity	X	X	X
Hard disk drive upgrade(s)	X	X	X
Video RAM or video adapter upgrade	X	X	X
Installed Pentium Class CPU Upgrade with a WinBench 97 CPUmark32 rating of at least 390	X		
17-inch SVGA color monitor upgrade	X	X	X

III.2.18 Separately-Orderable Components/Items

To the extent feasible, the components and items identified in paragraphs III.2.16.1 and III.2.17.1 shall be separately-orderable. Components/items are defined as those types of things listed below. Components/items do not include desktops, servers, or notebooks. Additionally, the following separately-orderable components and items shall be provided for the identified configurations. <u>All items shall be factory installed unless otherwise identified in the RFP as "User Installed" or specified in the order as "User Installed".</u>

COMPONENT/ITEM	NOTEBOOK	MULTI-MEDIA NOTEBOOK	DESKTOP	LOW-END SERVER	HIGH-END SERVER
	(An "X" in the cell indicates that the component/item is a minimum requirement. A shaded cell indicates that the component/item is not a minimum requirement.)				
Manufacturer Installed Quad Pentium Pro-class CPUs Upgrade					X
Additional RAM up to maximum equipment capacity	X Manufacturer-installed	X Manufacturer-installed	X User-installed	X User-installed	X User-installed
Removable hard disk drives with mount					X
Support for Redundant Array of Inexpensive Disk Drives (RAID) (levels 0, 1 and 5)					X
User-installed hard disk drive(s)			X	X	X
15-inch, SVGA, color monitor with autosensing, autoswitchable power supply for 110 and 220 VAC operation	X	X			
17-inch SVGA, color monitor			X	X	X
External pointing device	X	X			
Pointing device cable extension of at least 3 feet			X	X	X
Port replicator for serial, parallel, keyboard and video ports	X	X			
PC Card network interface card with BNC and RJ-45 connectors	X	X			
PC Card SCSI-2 adapter	X	X			
PC Card hard disk drive	X	X			
External keyboard	X	X			
Keyboard cable extension of at least 3 feet			X	X	X
Additional serial communication ports with 2 DB-25 connectors			X	X	X
Additional serial communication ports with 8 DB-25 connectors				X	X
Additional serial communication ports with 16 DB-25 connectors				X	X
Internal Sound Blaster Pro-compatible and Windows-compatible sound card			X	X	
Internal, 33.6kbps FAX/modem			X	X	X
External (with a RS-232 serial cable) or PC Card 33.6kbpsFAX/modem for CONUS operations			X	X	X
External (with a RS-232 serial cable) or PC Card 33.6kbpsFAX/modem(s) for OCONUS operations that are host nation approved and operate the following locations: Belgium, Germany, Italy, Japan, Korea, The Netherlands, Turkey, and the United Kingdom	X	X	X	X	X
Internal ATM card should operate w/155Mbps multimode fiber networks w/ OC-3c interface and have a SC connector.			X	X	X
Internal network interface card with Fiber Optic ST connector for 10BaseF cable			X	X	X
Internal TRAVAN tape backup system with software and tape cartridge			X	X	
Removable mount for hard disk drive			X	X	
Externally-accessible, internally-mounted SCSI-2 controller			X	X	X
Surge suppressor(s) for 110 and 220 VAC operation			X	X	X
Headphones for connection to PC sound card			X	X	
External single-platter SCSI CD-ROM drive with connecting SCSI cable			X	X	X

COMPONENT/ITEM	NOTEBOOK	MULTI-MEDIA NOTEBOOK	DESKTOP	LOW-END SERVER	HIGH-END SERVER
External multi-platter CD-ROM tower with two installed SCSI CD-ROM drives that can be simultaneously accessed, with connecting SCSI cable			X	X	X
External multi-platter CD-ROM tower with 4 installed SCSI CD-ROM drives that can be simultaneously accessed, with connecting SCSI cable				X	X
External multi-platter CD-ROM tower with 7 installed SCSI CD-ROM drives that can be simultaneously accessed, with connecting SCSI cable				X	X
Internal, 4mm, DAT tape backup system with software and tape cartridge				X	X
External stereo speakers for connection to PC sound card			X	X	X
Uninterruptible power supply (UPS) with universal power adapter and power fail sensing software, switchable between 110 and 220 VAC operation, that is capable of providing enough battery power for normal system shutdown				X	X
UPS for CONUS operations capable of providing enough battery power for normal system shutdown			X	X	X
UPS for OCONUS operations capable of providing enough battery power for normal system shutdown			X	X	X
Power strip(s) for CONUS and OCONUS operations			X	X	X

III.2.19 Printers

The following types of separately-orderable printers shall be provided: laser printer, high speed impact printer, portable color ink jet printer, 9-pin narrow-carriage dot matrix printer, 9-pin wide carriage dot matrix printer, 24-pin narrow-carriage dot matrix printer, and 24-pin wide carriage dot matrix printer.

III.2.19.1 Laser Printer

All laser printers shall be configured to include the following:

a. Postscript Level 2 and HP PCL5 emulation

b. At least 600 x 600 dots per inch resolution

c. At least 8 pages per minute print speed

d. At least 2MB RAM

e. IEEE 1284 parallel interface

f. Support for scalable fonts

g. Parallel (Centronics) cable of at least 10 feet

h. 110V / 60Hz power supply

III.2.19.2 High Speed Impact Printer

All high speed impact printers shall be configured to include the following:

a. 800 lines of sliding alpha text per minute

b. Shared serial and parallel interfaces

c. Parallel (Centronics) cable of at least 15 feet

d. 110V / 60Hz power supply

III.2.19.3 Portable Color Ink Jet Printer

All portable color ink jet printers shall be configured to include the following:

a. At least 300 x 300 dots per inch resolution

b. At least 3 pages per minute print speed in black and white

c. parallel interface

d. Parallel (Centronics) cable of at least 10 feet

e. 110V / 60Hz power supply

III.2.19.4 Dot Matrix Printer – 9 Pin

Two types of 9-pin, dot matrix printers shall be provided: a narrow carriage printer and a wide carriage printer. All 9-pin, dot matrix printers shall be configured to include the following:

a. 9-pin Epson emulation

b. IBM extended character set

c. Standard bar code capability (Interleaved 3 of 9 as a minimum)

d. 24KB or larger print buffer

e. Tractor-feed operation

f. Support for 5-part multi-part forms and card stock

g. Parallel interface

h. At least 240 characters per second (cps) and 80 lines per minute (lpm) print speed in draft mode

i. Parallel (Centronics) cable of at least 10 feet

j. 110V / 60Hz power supply

III.2.19.5 Dot Matrix Printers – 24 Pin

Two types of 24-pin, dot matrix printers shall be provided: a narrow carriage printer and a wide carriage printer. All 24-pin, dot matrix printers shall be configured to include the following:

a. 24-pin Epson emulation

b. IBM extended character set

c. Standard bar codes (Interleaved 3 of 9 as a minimum)

d. 24KB or larger print buffer

e. Tractor-feed operation

f. Support for 5-part multi-part forms and card stock

g. Parallel interface

h. 300 cps and 100 lpm in draft mode

i. Parallel (Centronics) cable of at least 10 feet

j. 110V / 60Hz power supply

III.2.19.6 Separately-Orderable Components/Items

The following separately-orderable components/items shall be provided for the identified printers:

COMPONENT/ITEM	LASER PRINTERS	HIGH SPEED IMPACT PRINTER	PORTABLE COLOR INK JET PRINTER	9-PIN DOT MATRIX PRINTER	24-PIN DOT MATRIX PRINTER
	(An "X" in the cell indicates that the component/item is a minimum requirement. A shaded cell indicates that the component/item is not a minimum requirement.)				
220VAC/50Hz power supply for OCONUS operation	X				
Printer cable of at least 15 feet	X	X	X	X	X
Ethernet network interface card(s) with, BNC and RJ-45	X	X			
Upgrade(s) of RAM to maximum printer capacity	X				
Bar code printing capability upgrade (Interleaved 3 of 9 as a minimum)	X			X	X
Step-down transformer		X (220 to 110 VAC), 500 Watts	X (220 to 110 VAC), 100 Watts	X (220 to 110 VAC), 100 Watts	X (220 to 110 VAC), 100 Watts
Dot-by-dot addressable graphics capability for bar code printing		X			
Printer stand		X			
Acoustical cover		X			

III.2.20 Network Accessories

III.2.20.1 Ethernet Hub

An Ethernet Hub that satisfies the following minimum requirements shall be provided:

a. IEEE 802.3 compliant

b. 1ea AUI Port

c. 1ea BNC Port

d. 12ea RJ-45 Ports

e. Weight of 10 lbs. Or less

f. 110VAC/60Hz power supply

III.2.20.2 Ethernet Print Server

An Ethernet Print Server that satisfies the following minimum requirements shall be provided:

a. IEEE 802.3 Compliant

b. At least one Parallel Port

c. Supports TCP/IP and IPX

d. RJ-45 and BNC Connectors

e. 110VAC/60Hz power supply

III.2.20.3 Separately-Orderable Components/Items

The following separately-orderable components/items shall be provided for the network accessories:

COMPONENT/ITEM	ETHERNET HUB	ETHERNET PRINT SERVER
	(An "X" in the cell indicates that the component/item is a minimum requirement. A shaded cell indicates that the component/item is not a minimum requirement.)	
220VAC/50 Hz power supply	X	X

III.2.21 Software

(1) The following operating system software shall be separately orderable and pre-loaded unless otherwise specified:

a. MS DOS, Version 6.22 (For basic and multimedia notebooks, desktops, low and high-end servers)

b. MS Windows NT for Workstations, Version 4.0 (For basic and multimedia notebooks, and desktops)

c. MS Windows NT for Server, Version 4.0, with multiple single-user adds-ons (For low-end and high-end servers)

d. MS Windows for Workgroups, Version 3.11 (For basic notebooks and desktops)

e. SCO Unix Open Desktop, Version 5.0 (For multimedia notebooks and desktops)

f. SCO Unix Open Server Enterprise with DOS Merge, Version 5.0, with 5, 10, 25 and 100 user add-ons (For low-end and high-end servers)

(2) The following separately-orderable software shall be provided:

a. FTP Software's PC/TCP for DOS (latest version)

III.2.22 Cables, Connectors, and Accessories

The following cables, connectors, and accessories shall be provided:

a. Male gender changer (DB-25 Female both ends)

b. Female gender changer (DB-25 Male both ends)

c. Hand crimp tool for 8x8 modular plugs

d. 10BaseT fire resistant standard UTP cable with telephone Type RJ-45 connectors in 1.5-foot, 3-feet, 6-feet, 15-feet and 25-feet lengths

e. 10BaseT fire resistant standard UTP bulk cable in 500-feet and 1000-feet reels

f. 10BaseT patch cable, 328-foot, telephone Type RJ-45 connectors

g. 10BaseT micro transceiver, DB-15 AUI to RJ-45 connector

h. RJ-45 connector for round cable type

i. 10Base2 fire resistant standard RG-58 cable with BNC connectors in 25-feet, 50-feet, 100-feet, and 250-feet lengths

j. 10Base2 crimp tool

k. BNC barrel

l. BNC connector, fire resistant

m. BNC tee connector

n. BNC terminator kit

o. 10Base5 thick coax (AUI) cable with one DB-15 male connector and one DB-15 female connector in 10-feet, 25-feet, 50-feet, 100-feet, and 150-feet lengths

p. 10Base5 Micro Transceiver, Vampire AUI connector and DB-15 connector

q. RS-232 Cable with Male DB-25 Foil Shield Connector on both ends in 10-feet, 25-feet, 50-feet

r. Telephone Cable, 20-foot, RJ-11 connectors at both ends

s. SCSI Centronics Cable, 3-foot, 50-pin Centronics male connectors at both ends

t. SCSI Centronics Cable, 3-foot, 50-pin Centronics male connector and SCSI-2 micro connector

u. Parallel Cable with DB-25 male connector and Centronics 36-pin male connector in 6-feet, 10-feet, and 15-feet lengths

v. AUI non-plenum cable, 15-foot

w. Twisted-pair wallplate kit, category 5

x. Twisted-pair modular plug

y. Twisted-pair termination tool with RJ-45 and RJ-11 dies

z. Impact tool with blade for 110 block

aa. Null modem cable, male DB25, 25-foot

ab. Null modem cable, male/female DB25, 25-foot

ac. Surge protector, RJ-11

ad. Null Modem Adapter (DB-25 male to DB-25 female)

ae. Pin Adapter (DB-9 male to DB-25 female)

III.2.23 Transit Cases

a. Types and Sizes

(1) Basic Configurations: Separately-orderable, ruggedized, reusable, rigid transit cases shall be provided for each of the configurations identified in paragraphs III.2.16 and III.2.17 for use in storing and transporting the configurations by surface or air. The transit cases for the desktop, low-end server, and high-end server shall be of sufficient size to accommodate all components/items of the applicable configuration, an UPS, and related documentation. The transit cases for the basic notebook and the multi-media notebook shall be of sufficient size to accommodate all components/items of the applicable configuration, an extra battery, and related documentation. As necessary to comply with the weight limits identified in paragraph (4) below, multiple transit cases may be used for server configurations, however, the Contractor shall make every effort to minimize the number of transit cases.

(2) Typical STAMIS Configurations: Separately-orderable, ruggedized, reusable, rigid transit cases shall be provided for each typical configuration identified in paragraphs III.3.2.2, III.4.2.2, III.4.3.2, and III.4.4.2 for use in storing and transporting the configurations by surface or air. The transit cases for desktop, low-end server, and high-end server configurations shall be of sufficient size to accommodate all components/items of the applicable typical configuration and related documentation. The transit cases for the basic notebook and the multi-media notebook configurations shall be of sufficient size to accommodate all components/items of the applicable typical configuration, an extra battery, and related documentation. As necessary to comply with the weight limits identified in paragraph ϵ (4) below, multiple transit cases

may be used for a configuration, however, the Contractor shall make every effort to minimize the number of transit cases.

(3) Printers: : Separately-orderable, ruggedized, reusable, rigid transit cases shall be provided for laser printers, high speed impact printers, and dot matrix printers (reference paragraph III.2.19) for use in storing and transporting the printers by surface or air. Each transit case shall be of sufficient size to accommodate the printer, cables, accessories, step-down transformer (dot matrix and high speed impact printers only), print server (dot matrix printer only), and associated documentation.

(4) Environmental and Weight Requirements. Transit cases shall protect the components from damage resulting from dropping during cargo loading and unloading; when transported as loose cargo over unpaved secondary roads; and from water vapor, humidity, salt, and fog. The transit cases shall be capable of withstanding temperature ranging from –54 to 74 ^{o}C or –65 to 165 ^{o}F and relative humidity ranging from 0 to 100% over the temperature extremes. The weight of equipment placed in the transit case shall be uniformly distributed within the case in relation to the handles. The weight limit per pair of handles of a case loaded with its equipment shall not exceed 37 lbs. The weight for a loaded case with a single handle shall not exceed 18 lbs.

(5) Contents. Transit cases shall contain inserts to protect the contents from damage during transit and storage. Inserts shall be split so as to be an integral part of the top and bottom pieces of the transit case. Cushioning material used for the inserts shall be permanent, reusable, and have a non-flaking surface.

(6) Inventory List. Each transit case shall have a durable and permanent inventory list of all items in the case. Graphic packing instructions shall be affixed to the inside top cover and visible to the user.

(7) Handles Location. The transit case handles shall be installed sufficiently above the center of gravity of the equipment to ensure carrying stability and preclude uncontrolled swinging or tilting of the case when lifted. Additionally, the handles shall be positioned to allow the lifters to easily carry the transit cases through doorways. When not in use, handles shall return to a closed position by a spring-loaded mechanism or simple restraining mechanism. Clasps shall be easily accessible and operable by personnel utilizing Mission Oriented Protective Posture (MOPP) Gear or wearing low-temperature, protective gloves.

(8) Labeling. Labels shall be placed horizontally (to the front of the case) and externally on the top of each transit case in a consistent manner to identify: (1) gross or loaded weight, (2) volume in cubic feet and cubic centimeters, and (3) external linear dimensions in inches and centimeters. All transit cases with a total loaded case weight between 35 and 70 pounds shall be clearly marked as “TWO-PERSON LIFT” and all cases with a total loaded weight exceeding 70 pounds shall be clearly marked as “FOUR-PERSON LIFT”.

(9) Attributes. The transit cases shall contain an automatic, pressure-vacuum relief valve that shall accommodates transportation by air. The cases shall allow stacking of up to four like cases, that are loaded, on one another with no skidding.

(10) Color. Transit cases shall be olive drab in color. Additionally, the Contractor may provide transit cases in other colors that are available from the Original Equipment Manufacturer.

III.3 Standard Army Maintenance System

III.3.1 Description of SAMS

a. SAMS is designed to improve the operation of a maintenance shop with timely and accurate maintenance and requisition data. This accurate data is utilized in efficient management and performance improvements of the equipment maintenance programs.

b. SAMS consists of three levels of maintenance management:

(1) SAMS-1 used at the Direct Support (DS) Maintenance Companies in the Separate Brigades, Divisions, Corps, and Echelons Above Corps (EAC); and the General Support (GS) Maintenance Company at the EAC;

(2) SAMS-2 used at the Forward Support Battalion (FSB), Main Support Battalions (MSB), and Materiel Management Center (MMC) of the Division and Separate Brigades; and the Maintenance Battalions, Support Groups, and MMCs of the Corps Support Command (COSCOM) and Theater Army Area Command (TAACOM); and

(3) SAMS-Installation/Table of Distribution and Allowances (SAMS-I/TDA) used to provide maintenance management support at the Installation Maintenance Activity level.

c. SAMS consists of SAMS-V2, SAMS-V5, SAMS-I/TDA, and SAMS-Standard Management System (SAMS-SMS) configurations. The only SAMS configuration that requires integration under this contract is the SAMS-I/TDA desktop configuration, which is described in Paragraph III.3.2. The other configurations are described below:

(1) The SAMS-V2 configuration is installed at both DS and GS maintenance companies at Corps and Theater to support the Maintenance Operation Management Office. The office collects data and provides current management reports directly to the shop office to assess productivity and resource allocation. The SAMS-V2 utilizes a server and notebook computers, which are connected to an Ethernet LAN. The server and notebook computers use a modem, TCP/IP, and MOTIF to access other applications.

(2) The SAMS-V5 configuration performs the management function from the basic information provided by the lower-level SAMS responsible for the daily operation tasks. It operates at the Management Program Operation Management level. Maintenance performance, equipment performance, and material condition status reporting are some of its major functions. The SAMS-V5 configuration is identical to the SAMS-V2 except that it accommodates four desktop computers that have a larger hard disk.

(3) SMS is an automated maintenance system under development which will manage Army equipment maintenance operations and information in DS, GS, and depot level maintenance units, both tactical and I/TDA. SMS will combine the functionality of the SAMS-1, SAMS-2, and subsequently, SAMS-I/TDA operating on Tactical Army Combat Service Support (TACCS) hardware.

III.3.2 Standard Army Maintenance System – Installation/Table of Distribution and Allowances (SAMS-I/TDA)

III.3.2.1 Operational Environment

a. The SAMS-I/TDA equipment will be used in standalone, LAN, and WAN configurations in both tactical and non-tactical environments during peacetime, periods of war or national emergency, and in support of operations other than war (OOTW). The SAMS-I/TDA will receive and process maintenance data. The system will provide management information to each level of Command from the user to the Division or Corps, Wholesale, and Department of the Army levels. The system will fulfill reporting requirements to customers, other SAMS-I/TDA sites, and the Wholesale Maintenance level. Data will be accessed to managed the controlling, reporting, analysis, and review of maintenance status and actions.

b. The SAMS-I/TDA equipment will be used to run the SAMS-I/TDA application program and support user/customer at Unit level in ULLS, DS/BS Maintenance (CO) via SAMS-1, BN Support Section of COSCOM, TAACOM, and MMC via SAMS-2, and National HQDA, Wholesale AMC, etc. via Logistics Activity (LOGSA).

c. SAMS-I/TDA server software currently operates on a HP 900/725 Series minicomputer. It processes maintenance information required to support management control of workload, manpower, and supply. Its major processing functions include:

(1) Controlling data associated with Work Order Registration,

(2) Maintaining tables for equipment under warranty at the Installations,

(3) Controlling labor utilization and maintaining employee data,

(4) Generating reports containing information for equipment overhauling and replacement decisions,

(5) Maintaining equipment calibration data for TDA Maintenance Activity; and

(6) Supporting management operations of the Depot Rebuild factory.

d. A SAMS-I/TDA desktop initiates a TELNET session to a HP 725 RISC server using the Ethernet network interface card and PC/TCP software. Several of these local desktops are designated as external interface desktops which are capable of downloading files to other computers using BLAST software and telephone modem connections. Up to twenty-two local desktops are normally connected to one SAMS-I/TDA server, and several more remote desktops can connect to the HP 725 via modems. The remote terminal emulation software is currently Termulator from Niche Software, Richmond, VA.

III.3.2.2 Typical Configurations

a. The Contractor shall provide system integration IAW paragraph 6.1.2.2 for SAMS-I/TDA desktop configurations. Specific integration requirements will be identified on each delivery order. However, typical SAMS-I/TDA configurations are described in the following paragraphs.

TYPICAL SAMS-I/TDA DESKTOP CONFIGURATION

DESKTOP CONFIGURATION (as set forth in paragraph III.2.17.1), with the following separately-orderable and Government-owned components/items:

SEPARATELY-ORDERABLE COMPONENTS/ITEMS:
- MS DOS, version 6.22
- MS Windows for Workgroups, Version 3.11
- FTP Software's PC/TCP
- External FAX/Modem or PC Card fax modem (for either CONUS or OCONUS operations)**
- Wide Carriage Dot Matrix Printer – 24 Pin OR Laser Printer ***

GOVERNMENT-OWNED COMPONENTS/ITEMS:
- SAMS-I/TDA desktop software, version L2S-01-01
- BLAST Pro for DOS, version 10.0.1*
- Niche Software's Termulator ***

* These components/items are only included in the configurations of those desktops that will serve as external interfaces.

** This component/item is only included in the configurations of those desktops that will serve as external interfaces or remote desktops.

*** These component/items are only included in the configurations of those desktops that will serve as remote desktops.

b. If integration is ordered, the Contractor shall integrate the SAMS-I/TDA desktop configuration so that it successfully executes the SAMS-I/TDA application software. Successful execution of the SAMS-I/TDA application software shall be accomplished by successfully completing all of the steps contained in the SAMS-I/TDA System Load Procedures (Initial Build) at contract Attachment III.d. (Note: There is no tutorial for SAMS I/TDA.)

III.4 Unit Level Logistics System (ULLS)

III.4.1 Description of ULLS

a. ULLS is a worldwide, multi-command, microcomputer-based software system designed for operation at the Company and Batallion level to perform logistics related functions. ULLS is a personal computer (PC)-based management system that is used to automate the status of organizational supply and maintenance activities in tactical units of the active Army, National Guard, and Army Reserve. It consists of three configurations: ULLS-G (ULLS-Ground); ULLS-A (ULLS-Aviation); and , ULLS-S4 (ULLS-Battalions/Brigades and Separate Company Standard Supply Support System). These configurations are used to automate procedures for managing repair parts, the Army Maintenance Management System (TAMMS) and the Army Maintenance Management System-Property and Supply Accountability and Financial Expenditures (TAMMS-A) System.

b. The ULLS system software is written in the Ada language using direct calls from Ada SAGE to the application programming interface (API). AdaSAGE provides data base management system (DBMS) capabilities to the developer, but it is not a true relational DBMS (RDBMS); therefore, full data base management or Structured Query Language (SQL) features are not available.

c. Over time, the ULLS equipment delivered under this contract will replace current Logistics Application of Automated Marking and Reading Symbols (LOGMARS) devices, Major Command (MACOM)-procured hardware and other non-developmental item (NDI) commercial equipment.

d. ULLS is a tactical STAMIS managed under the Army Acquisition Executive structure, and due to its high program cost, subject to Office of the Secretary of Defense (OSD) oversight.

III.4.2 ULLS-G

III.4.2.1 Operational Environment

a. The ULLS-G equipment is used in standalone configurations in a tactical environment. The equipment is used by all active Army, Army National Guard, and Army Reserve.

b. ULLS-G is used by ground units to perform three categories of functions. These functions are Class IX, TAMMS, and Utilities/File Maintenance. Class IX supply functions apply to the unit level ordering of Class IX repair parts, Prescribed Load List (PLL) visibility, asset control, and interactive support for TAMMS. TAMMS functions automate the maintenance of equipment, historical records, scheduled services, and daily operational records. Utilities/File Maintenance functions produce the interface of supply and TAMMS data with the Standard Army Maintenance System (SAMS), the Standard Army Retail Supply System (SARSS), the Standard Army Intermediate Level System (SAILS) and the Direct Support Unit Standard Supply Support System.

c. An ULLS-G desktop is a standalone configuration running MS DOS and character-based application code. The desktop connects to other computers and servers via its modem, and the desktop can transfer data to other systems via diskette.

III.4.2.2 Typical Configuration

a. The Contractor shall provide system integration IAW paragraph 6.1.2.2 for ULLS-G desktop configurations. Specific integration requirements will be identified on each delivery order. However, a typical ULLS-G desktop configuration consists of the following:

DESKTOP CONFIGURATION (as set forth in paragraph III.2.17.1), with the following separately-orderable and Government-owned components/items:

SEPARATELY-ORDERABLE COMPONENTS/ITEMS:
- Internal TRAVAN tape backup system with software
- External FAX/Modem or PC Card fax modem (for either CONUS or OCONUS operations)
- MS DOS, version 6.22
- Narrow Carriage Dot Matrix Printer - 24 Pin
- Step down transformer (220 TO 110 VAC), 100 Watts
- Power strip (for either CONUS or OCONUS operations)
- Transit case(s) for typical ULLS-G desktop configuration (as set forth in paragraph III.2.23.a.(2))

GOVERNMENT-OWNED COMPONENTS/ITEMS:
- BLAST Pro for DOS, version 10.0.1
- ULLS-G application software, version L3Q-06-00

b. If integration is ordered, the Contractor shall integrate the applicable ULLS-G desktop configuration so that it successfully executes the ULLS-G application software. Successful execution of the

ULLS-G application software shall be accomplished by successfully completing all of the steps contained in the “ULLS-G System Load Procedures (Unit)”, the “ULLS-G System Load Procedures (DOL)”, and the “ULLS-G System Load Procedures (LASSO)” at contract Attachment III.d, to include completing all of the ULLS-G training/tutorial exercises.

III.4.3 ULLS-A

III.4.3.1 Operational Environment

a. The ULLS-A equipment is used in LAN configurations in a tactical environment. The equipment is used by all active Army, Army National Guard, and Army Reserve.

b. ULLS-A is used by aviation flight companies and is divided into three categories of functions. These functions are Class IX, TAMMS, and Utilities/File Maintenance. Class IX supply functions apply to the unit level ordering of Class IX repair parts, Prescribed Load List (PLL) visibility, asset control, and interactive support for TAMMS. TAMMS functions automate the maintenance of equipment, historical records, scheduled services, and daily operational records. Utilities/File Maintenance functions produce the interface of supply and TAMMS data with the SAMS, SARSS, SAILS, and DS4 systems. ULLS-A incorporates the Army Materiel Status System (AMSS) which integrates supply and maintenance processes to manage the equipment readiness report function.

III.4.3.2 Typical Configuration

a. The Contractor shall provide system integration IAW paragraph 6.1.2.2 for ULLS-A desktop configurations. Specific integration requirements will be identified on each delivery order. However, a typical ULLS-A desktop configuration is described below.

TYPICAL ULLS-A DESKTOP CONFIGURATION

DESKTOP CONFIGURATION (as set forth in paragraph III.2.17.1), with the following separately-orderable and Government-owned components/items:

SEPARATELY-ORDERABLE COMPONENTS/ITEMS:

Internal TRAVAN tape backup system with software
External FAX/Modem or PC Card fax modem (for either CONUS or OCONUS operations)
MS DOS, version 6.22
Narrow Carriage Dot Matrix Printer - 24 Pin
Step down transformer (220 TO 110 VAC), 100 Watts
Power strip (for either CONUS or OCONUS operations)

10Base2 Standard Cable, 25-foot
10Base2 Standard Cable, 50-foot
10Base2 Standard Cable, 100-foot
10Base2 Standard Cable, 250-foot
BNC Barrel
BNC Connector, Standard
BNC Tee Connector
BNC Terminator Kit
Transit case(s) for typical ULLS-A desktop configuration (as set forth in paragraph III.2.23.a.(2))

GOVERNMENT-OWNED COMPONENTS/ITEMS:

BLAST Pro for DOS, version 10.0.2
ULLS-A application software, version L3P-01-08
MS Network Client version 3.0 for MS DOS

b. If integration is ordered, the Contractor shall integrate the ULLS-A desktop configuration so that it successfully executes the ULLS-A application software. Successful execution of the ULLS-A application software shall be accomplished by successfully completing all of the steps contained in the "ULLS-A System Load Procedures" at contract Attachment III.d, to include completing all of the ULLS-A training/tutorial exercises.

III.4.4 ULLS-S4

III.4.4.1 Operational Environment

a. The ULLS-S4 equipment will be used in standalone configurations in a tactical environment. The equipment is used by all active Army, Army National Guard, and the Army Reserve.

b. ULLS-S4 is used at the Battalion/Brigade S4 and Separate Company supply level. It includes the functions of property accountability, hand receipt/component management, financial management and utilities/file maintenance. ULLS-S4 interfaces with the SARSS for supply procedures, the Standard Property Book System-Redesign (SPBS-R), the ULLS-G, and the ULLS-A for Class IX (repair parts) expenditures.

c. An ULLS-S4 desktop is a standalone configuration running MS DOS and character-based application code. The desktop connects to other computers and servers via its modem, and can transfer data to other systems via diskette.

III.4.4.2 Typical Configurations

a. The Contractor shall provide system integration IAW paragraph 6.1.2.2 for ULLS-S4 desktop configurations. Specific integration requirements will be identified on each delivery order. However, a typical ULLS-S4 desktop configuration consists of the following:

DESKTOP CONFIGURATION (as set forth in paragraph III.2.17.1), with the following separately-orderable and Government-owned components/items:

SEPARATELY-ORDERABLE COMPONENTS/ITEMS:
- Internal TRAVAN tape backup system with software
- External FAX/Modem or PC Card fax modem (for either CONUS or OCONUS operations)
- MS DOS, version 6.22
- Narrow Carriage Dot Matrix Printer - 24 Pin
- Step down transformer (220 TO 110 VAC), 100 Watts
- Power strip (for either CONUS or OCONUS operations)
- Transit case(s) for typical ULLS-S4 desktop configuration (as set forth in paragraph III.2.23.a.(2))

GOVERNMENT-OWNED COMPONENTS/ITEMS:
- BLAST Pro for DOS, version 10.0.1
- ULLS-S4 application software, version L3S-00-00

b. If integration is ordered, the Contractor shall integrate the applicable ULLS-S4 desktop configuration so that it successfully executes the ULLS-S4 application software. Successful execution of the ULLS-S4 application software shall be accomplished by successfully completing all of the steps contained in the “ULLS-S4 System Load Procedures” at contract Attachment III.d, to include completing all of the ULLS-S4 training/tutorial exercises.

END OF APPENDIX III TO STATEMENT OF WORK

END OF PART III.A