SOLICITATION, OFFER AND AWARD	1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) ➤	RATING	PAGE 1 OF 409

2. CONTRACT NO.	3. SOLICITATION NO.	4. TYPE OF SOLICITATION	5. DATE ISSUED	6. REQUISITION/PURCHASE NO.
NNJ09JA01C	NNJ08239192R	☐ SEALED BID (IFB) ☒ NEGOTIATED (RFP)	June 27, 2008	4200290493

7. ISSUED BY	CODE	8. ADDRESS OFFER TO *(If other than Item 7)*
NASA JSC **Attn: SEB Venessa Jankowski** **2101 NASA Parkway** **Houston, Texas 77058-3696**		Same as Block 7

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder"

SOLICITATION

9. Offers in **original and 9 copies** for furnishing the supplies or services in the Schedule will be received at NASA/JSC Space Center Blvd, Central Receiving – Building 421 no later than 1:30 p.m., C.D.T., on August 7, 2008.

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL: ➤	A. NAME	B. TELEPHONE NO. *(NO COLLECT CALLS)* AREA CODE	NUMBER	EXT.	C. EMAIL ADDRESS
	Venessa Jankowski	**281**	**483-1415**		**venessa.jankowski-1@nasa.gov**

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OFFER *(Must be fully completed by offeror)*

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 180 calendar days from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT ➤ *(See Section I, clause No. 52-232-8)*	10 CALENDAR DAYS 0 %	20 CALENDAR DAYS 0 %	30 CALENDAR DAYS 0 %	CALENDAR DAYS 0 %

14. ACKNOWLEDGMENT OF AMENDMENTS *(The offeror acknowledges receipt of amendments to the SOLICITATION).* For offerors and related documents numbered and dated:	AMENDMENT NO	DATE	AMENDMENT NO	DATE
	1	07/17/08	3	07/29/08
	2	07/28/08	4	08/06/08

15. NAME AND ADDRESS OF OFFEROR	CODE 3K4Q0	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*
	Anadarko Industries, LLC **17625 El Camino Real, Suite 410** **Houston, Texas 77058-3052**		**W. T. Short** **President/CEO**

15B. TELEPHONE NO. *(Include area code)*	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE – ENTER ☐ SUCH ADDRESS IN SCHEDULE	17. SIGNATURE	18. OFFER DATE
281-286-9201		W T Short	02/13/09

AWARD *(To be completed by Government)*

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION ☐ 10 U.S.C. 2304(c) ( ) ☐ 41 U.S.C. 253(c) ( )	23. SUBMIT INVOICES TO ADDRESS SHOWN IN: ➤ *(4 copies unless otherwise specified)*	ITEM G.16
24. ADMINISTERED BY *(If other than Item 7)* CODE	25. PAYMENT WILL BE MADE BY CODE LF2	
	NASA Shared Services Center (NSSC) **Financial Management Division (FMD) – Accounts Payable** **Building 1111, C Road** **Stennis Space Center, MS 39529** **Email: nssc@nasa.gov** **FAX: 866-779-6772**	

26. NAME OF CONTRACTING OFFICER *(Type or print)*	27. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	28. AWARD DATE
Venessa L. Jankowski		

IMPORTANT – Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

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PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE

None included by reference.

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE

None included by reference.

B.2 CONTRACT TYPE WITH CEILING PRICE AND AWARD FEE

This is a time and materials with an award fee feature contract. The total ceiling price, including maximum award fee, is $37,083,000 for the period of performance of the contract. (Phase-in price is $0.)

Award Fee shall be based upon the hours authorized by Task Order in accordance with Appendix 3 of the Award Fee Plan.

The Government's obligation to order the services or supplies does not occur until a task order has been placed in accordance with the Task Order Procedures in Clause H.2.

(End of clause)

B.3 CUMULATIVE VALUE FOR TIME AND MATERIALS TASK ORDERS

This clause identifies the maximum time and materials price to be paid to the Contractor for acceptable performance of all services and delivery of all materials described in issued Task Orders. This clause will be updated on a periodic basis to reflect the value of issued Task Orders.

The maximum price of Task Orders X through X is $_____.

The total firm fixed price to be paid to the Contractor for phase-in is $0.

B.4 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(a) For purposes of payment, exclusive of award fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is b4 This allotment is for Task Order 1 - Task Order TBD and covers the following estimated period of performance: July 1, 2009 – August 1, 2009 .

(b) An additional amount of b4 is obligated under this contract for payment of award fee.

(End of clause)

B.5 SUPPLIES AND/OR SERVICES TO BE FURNISHED

The Contractor shall provide all labor and materials necessary to perform NASA Johnson Space Center's Institutional Safety Services in accordance with the contract terms and conditions. These requirements include safety, fire protection, safety training, test safety, safety information systems, maintenance of fire protection systems, and special projects as described in the Statement of Work (SOW).

(End of clause)

B.6 SUPPLIES/SERVICES TO BE ORDERED

Unit prices for supplies and services that will be ordered and the Contractor may be obligated to furnish, will be as follows:

B.6.1 Rates for Services and Supplies for Base Period/Contract Year 1 (July 1, 2009 – June 30, 2010)

b4

Section C

Statement of Work

Center Institutional Safety Services

Table of Contents

Center Institutional Safety Services

Preface

P.1 Purpose

The Center Institutional Safety Services (CISS) contract provides safety and fire protection services to support the National Aeronautics and Space Administration's (NASA) Johnson Space Center (JSC) in accomplishing its institutional safety program objectives. Major areas of the contract include safety, fire protection, training, maintenance of fire protection systems, test safety, safety information systems, and special projects. The contractor will specifically support the JSC Safety and Test Operations Division whose mission is to help line management and employees in reducing and preventing injuries to NASA personnel and damage to NASA equipment.

It is a JSC priority to avoid loss of life, and to prevent personal injury or illness, property loss or damage, or environmental harm and to follow all applicable federal, state, and local regulations. At JSC, safety and health is the responsibility of both line management and employees. The Safety and Test Operations Division, with support from the CISS contractor, provides guidance and help as needed, ensures that line management is fulfilling its safety responsibilities, and maintains JSC fire protection systems.

P.2 JSC Safety Vision

Safety is a core value at NASA. NASA's constant attention to safety is the cornerstone upon which NASA builds mission success. We at NASA are committed, individually and as a team, to protecting the safety and health of the public, our team members, and those assets that the Nation entrusts to us. The CISS contract is a principle partner in meeting our strategic goal of ensuring a safe work environment for JSC's people and property. Specific objectives of this strategic goal include:

a) Improving safety behavior through increased awareness of safety requirements and improved accountability measures.
b) Improving the timeliness and quality of mishap investigations.
c) Integrating risk-based analysis into facility management decision-making to optimize risk trades based on available funding.
d) Providing a safe work environment in the face of challenges such as:
    - A multifaceted work environment, involving diverse hazards from the office, to industrial work areas, to the most advanced laboratories and test systems.
    - New and emerging technology.
    - An aging infrastructure.
e) Providing leadership to identify and manage the risk in a creative, proactive, and cost effective manner by:
    - Establishing relationships that encourage a safe work environment with personnel at the Center.
    - Performing data analysis that quickly recognizes trends in safety performance.
    - Recommending better performance indicators of changes in risk at the Center.
    - Understanding the latest tools and techniques available to improve safe work conditions and behaviors.

- Assisting NASA to prioritize resources in a manner most effective at reducing the Center's mishap risk.

P.3 Work Environment

Much of the work under the contract will be performed in an office environment on-site at JSC. The nature of the work shall require contractor personnel to enter other JSC work areas such as laboratories, hazardous facilities, construction areas, and machine shops. Contractor personnel will interface directly with other JSC personnel, including senior management and contractor personnel.

P.4 Scope

The following are the major functional areas of this contract:

- Management of the contract
- Engineering Analysis and Support
- Verification Audits and Inspections
- Mishap Investigation
- Safety Awareness and Motivation
- Fire Protection Systems Maintenance Services
- Safety Information Management
- NASA Safety Training Center
- Safety Program Development and Evaluation
- Test Safety
- Administer Lockout/Tagout equipment
- Special Projects

P.5 Other Relevant Interfaces

The contractor shall interface with the following:

- NASA Headquarters, Office of Safety and Mission Assurance
- NASA Safety Center
- Center Operations Directorate (COD)
- Emergency Operations Center (EOC)
- Occupational Health (Clinical Services Branch)
- NASA civil service and contractor employees

P.6 Definitions and Acronyms

See Section J, Attachment J-1 for definitions of terms and acronyms used in this Statement of Work (SOW).

1.0 Management

1.1 General Requirements

The contractor shall:

a) Organize and manage the work on the contract as described in its management plan per Data Requirements Description (DRD) 2, *Management Plan.*
b) Provide accurate and timely guidance and feedback to JSC line organizations and contractors as required in various sections of this SOW.
c) Maintain data on the safety and health status of the center that integrates information from the activities in this SOW. The purpose is to monitor and identify potential risks per JPD 8000.1, *JSC Center Risk Management System*, and NA-RMP-001, *Safety and Mission Assurance (S&MA) Risk Management Plan.*
d) Recommend innovative solutions and risk mitigations to safety problems and efficiency improvements to safety processes.
e) Support JSC line organizations on behalf of the Safety and Test Operations Division in a professional manner and work as a team with JSC line organizations, contractors and emergency response personnel.
f) Immediately inform the COTR when a dispute over safe designs or safe practices between the CISS contractor and another JSC organization or contractor has arisen or is expected.
g) Be certified by the State Fire Marshal's Office of the Texas Department of Insurance for fire alarm and fire sprinkler system maintenance work.
h) Provide a self evaluation as described in DRD 1, *Management Reports.*
i) Provide funding category reports as described in DRD 11, *Funding Category Report.*
j) Provide security information as required in DRD 15, *Security Reporting Requirements.*
k) Provide wage, salary and fringe benefit data as described in DRD 17, *Wage/Salary and Fringe Benefit Data.*
l) Provide a re-procurement data package as described in DRD 18, *Re-Procurement Data Package.*
m) Notify the COTR of any conflicts of interest that arise during the contract and manage the conflicts of interest per the Conflict of Interest Plan, which is described in DRD 19, *Conflict of Interest Plan.*
n) Provide performance metrics as described in DRD 20, *CISS Metrics.*

1.2 Authority

The contractor shall have the authority to:

a) Direct that imminent hazards be made safe immediately or stop the work in progress. Immediately inform the Contracting Officer (CO) and the Contracting Officer's Technical Representative (COTR) when the contractor has directed that work be stopped due to imminent hazards and state the reasons for stopping work.
b) Approve critical lift plans by signature of a safety engineer when all safety concerns have been addressed.
c) Approve Test Readiness Reviews by signature of a certified Test Safety Officer when all safety concerns have been addressed.

1.3 Safety and Health

The contractor shall ensure the protection of its personnel, property, and equipment, in its products and activities under the contract. To accomplish this, the contractor shall comply with its Government-approved safety and health plan which is described in DRD 3, *Safety and Health Plan.*

The contractor shall also provide data required in DRD 12, *Monthly Safety and Health Metrics*; DRD 13, *Safety and Health Program Self Evaluation*; and DRD 14, *Lessons Learned Program Plan.*

1.4 Quality Management

The contractor shall manage its activities on the contract per its quality plan, which is described in DRD 4, *Quality Plan.*

1.5 Environmental Management

The contractor shall ensure that all work performed and equipment used on-site at JSC and EPFOL to fulfill the requirements of this contract are in compliance with all Federal, state, and local regulations and public laws, and the following NASA JSC directives: JPD 8500.1, *JSC Environmental Excellence Policy*; JPR 8550.1, *JSC Environmental Compliance Procedural Requirements*; JPR 8553.1, *JSC Environmental Management System Manual*; CWI JE9W-06, *EMS Aspect/Impact Assessment and EMP Process*; NPR 8570.1, *Energy Efficiency and Water Conservation*; *JSC's Energy and Water Conservation 5-Year Plan*; and CWI J69W-03, *Energy Conservation.* The contractor shall provide data on affirmative procurement, waste reduction activity, energy efficient product procurement, and ozone depleting substances per DRD 7, *Environmental and Energy Consuming Product Compliance Reports.*

The Government remains the owner and operator of record for all environmental activities conducted at NASA owned properties unless otherwise documented in a signed agreement between NASA and the contractor. The contractor is advised that activities performed at JSC and associated facilities are subject to Federal, state and local regulatory agency inspections to review compliance with environmental laws and regulations. For on-site issues, JSC's Environmental Office will be the single point of contact with Federal and state regulatory agencies and their representatives unless otherwise directed by the Contracting Officer or the Environmental Office. The contractor shall immediately notify the JSC Environmental Office when contacted by external regulatory agency representatives and shall cooperate fully. The contractor shall complete, maintain, and make available to the Contracting Officer, JSC Environmental Office, JSC Energy Manager, or regulatory agency personnel all documentation relating to environmental compliance matters under applicable laws. The contractor shall immediately notify the JSC Environmental Office upon issuance of a Notice of Violation or noncompliance to the contractor.

Should a Notice of Violation, Notice of Noncompliance, Notice of Deficiency, or similar regulatory agency notice be issued to the Government as a facility owner/operator on account of the actions or inactions of the contractor or one of its subcontractors in the

performance of work under this contract, the contractor shall fully cooperate with the Government in correcting any problems and defending against regulatory assessment of any civil fines or penalties arising out of such actions or inactions.

1.6 Professional Qualifications and Certification Requirements

The contractor shall maintain personnel and company certifications described below. The contractor shall establish and operate a thorough training and certification program for its employees per its management plan, which is described in DRD 2, *Management Plan*. The training program shall ensure that contractor personnel understand the critical nature of NASA human spaceflight programs including training and testing facilities, ground support facilities, and operations at JSC.

The contractor shall have at least one of each of the following as a full time, on site employee:

a. A registered Professional Engineer, with specialty in electrical, civil, general engineering sciences, mechanical or industrial in the State of Texas. This staff member shall be active and in good standing with the Texas State Board of Professional Engineers.
b. A registered Professional Engineer with a specialty in fire protection engineering in the State of Texas and is active and in good standing with the Texas State Board of Professional Engineers.
c. A currently registered Certified Safety Professional.

The contractor's personnel training and certification program for employees listed below shall include these specific areas:

1.6.1 *Safety Engineers* shall be proficient in OSHA Standards and Publications, Risk Management, and system safety techniques such as, hazard analysis, failure modes and effects analysis (FMEA's), integrated FMEA's, fault tree analysis, and hazards & operability studies (HAZOPS). They shall be familiar with: their assigned facilities and laboratories; receive training for specific areas as required for safe access; and, have working knowledge of National Fire Protection Association (NFPA) Codes. Construction Safety Engineers shall be proficient in construction safety requirements and practices.

1.6.2 *Fire Protection Engineers* shall be proficient in current NFPA Codes and have a working knowledge of OSHA Standards and Publications, risk management, and system safety techniques.

1.6.3 *Maintenance Technicians* shall be trained on each system they are required to maintain including the functional operations of the systems and components and preventive maintenance procedures. Technicians shall be licensed by the State Fire Marshal's Office of the Texas Department of Insurance in the following areas:

- Fire alarm system maintenance:
  - Fire Alarm Technician License
- Fire sprinkler system maintenance:
  - Responsible Managing Employee – General License
  - Responsible Managing Employee – General Inspector

1.6.4 *Test Safety Officers* shall be trained in general test safety and in specific test operations they will monitor. Test Safety Officers shall be certified under Unique Work Instruction NS-OHS-003, *Training and Functions of Test Safety Officers.*

1.6.5 *Instructors* shall be proficient in the subjects they will teach based on education or experience. They shall also be proficient in presentation skills in the classroom.

1.7 Applicable Documents

The contractor shall assure that JSC ground-based systems and operations meet applicable requirements. The contractor shall research codes and standards to determine which apply to specific JSC systems and operations as necessary and provide recommendations to the Safety and Test Operations Division per DRD 1, "Management Reports." The Safety and Test Operations Division will determine which requirements apply. After Government approval, the contractor shall send the list of approved requirements to the responsible organization. The following documents shall apply:

a) JSC Procedures and Guidelines – JPR 1700.1, *JSC Safety and Health Handbook,* and all documents it references. This document defines the JSC Safety and Health Program and associated requirements.
b) Other policies and standards such as:
   - Other NASA and JSC safety requirements and standards
   - Occupational Safety and Health Administration (OSHA)
   - National Fire Protection Association (NFPA)
   - American Society of Mechanical Engineers (ASME)
   - American Society of Safety Engineers (ASSE)
   - Appropriate recognized industry standards such as American National Standards Institute (ANSI)

2.0 Engineering Analysis and Services

The contractor shall assess entire buildings and specific systems and components in a building, both permanent and temporary, as well as operations and interfaces with nearby facilities for safety and fire protection concerns. This assessment shall include all phases of facility or system life to include design, construction, operation, and shutdown. When applicable requirements are not clear, the contractor shall research applicable requirements per paragraph 1.7 above. It also requires reviewing and approving related documentation, drawings, procedures, hazards analysis, and FMEAs. The purpose of these assessments is to identify non-conformance with applicable requirements and hazards that could cause injury or damage to NASA hardware.

The contractor shall:
a) Ensure that applicable federal, state, local, NASA, and JSC requirements and standards for safety and fire protection are identified and implemented and that hazards are controlled in facilities, systems, and operations. The contractor shall also assist in identifying risk priorities in application of engineering analysis and services.

b) Serve as the primary source of safety and fire protection engineering and guidance at JSC.
c) Participate in major technical reviews and assessments, such as milestone reviews of new or significantly modified facilities and operations.
d) Participate in minor technical reviews and assessments include locations of fire proof cabinets and simple bench-top scale test stands or production units.
e) Ensure all safety and fire protection concerns are identified, documented, corrected either by the contractor, or by the JSC line organizations involved, and tracked to closure.
f) Analyze design and operations documents, such as drawings, specifications, and procedures, using traditional engineering analysis techniques and specialized safety engineering analysis techniques such as hazard analyses.
g) Meet customer review and support schedules.
h) Coordinate with the Center Operations Directorate, building occupants, and other JSC line organizations (including contractors) to ensure a complete review has been performed. The contractor shall be part of the "review team" and contribute throughout the design and construction, build up, and operational phases.
i) Coordinate potential occupational health issues with Clinical Services Branch, environmental issues with the Environmental Office, and emergency response issues with the Emergency Operations Office. The contractor shall develop Associate Contractor Agreements (ACAs) with the support contractors for the above offices. (See Clause H.10)
j) Provide feedback to JSC line organizations in formats acceptable to the requestor. The contractor shall identify any discrepancy or finding, recommendations for correction, and supporting rationale.
k) Maintain and update records of analysis in the building files as described in SOW, section 7.0, *Safety Information Management.*
l) Fulfill safety roles as defined in JSC 05900, *Emergency Preparedness Program.*

2.1 Assess JSC facility and equipment designs to identify safety and fire protection concerns.

This consists of the following:

2.1.1 *Ensure safety and fire protection requirements and hazards are addressed during design reviews and contained in design documentation.* The contractor shall provide detailed safety engineering analyses of plans and specifications of new or modified facilities and systems to include fire protection as described in SOW, paragraphs 2.4 and 2.5 below. JSC projects typically involve a series of design reviews, such as 30%, 60%, and 90% of design completion. The design reviews shall consider the need for safety and fire protection requirements in the design, construction, operation and maintenance of systems and facilities.

2.1.2 *Assess facility and equipment change requests for safety and fire protection concerns.* The contractor shall provide safety analyses of facilities and equipment change requests to include fire protection engineering as described in SOW, paragraphs 2.4 and 2.5 below.

2.1.3 *Support readiness inspections and reviews for facilities.* The contractor shall:

a) Contribute to review meetings such as Operational Readiness Inspections (ORIs) and User Readiness Reviews (URRs) for hazardous, critical, or unique JSC facilities.
b) Ensure the review committee is aware of all safety issues and possible resolutions.
c) Participate in ORIs and URRs and recommend approval of the facility for operation after all safety issues are properly addressed.

2.2 Assess construction operations to identify potential safety concerns.

The contractor shall:
a) Verify construction operations meet applicable federal, state, local, NASA, and JSC requirements throughout the construction phase.
b) Perform pre-construction activities that include preparatory inspections, risk assessments of project tasks, and reviews of project-specific safety and health plans and drawings.
c) Participate in tailgate meetings as a means to reinforce NASA's emphasis on safety with the construction contractor's workforce.
d) Track inspections and enter associated findings in the Contractor Safety Violation Recording (ConSVR) database.
e) Provide construction inspection reports as described in DRD 1, *Management Reports.*

2.3 Assess crane operations.

The contractor shall:
a) Provide technical reviews and assessments of cranes and crane operations to verify lifting hazards are controlled.
b) Assure that lifting operations meet JPR 1700.1, *JSC Safety and Health Handbook*, JSC Policy Directive – JPD 8719.1, *JSC Material Handling Policy*; and NASA-STD-8719.9, *Standard for Lifting Devices and Equipment.*
c) Approve critical lift plans, hazard analyses, and lift equipment furnished by other contractors when all safety concerns have been addressed.

2.4 Assess fire protection equipment designs.

The contractor shall:
a) Verify that proposed and existing fixed and portable fire protection equipment and fire detection and alarm systems meet applicable NASA requirements (JPR 1700.1, *JSC Safety and Health Handbook* and NASA-STD-8719.11, *Safety Standard for Fire Protection*); code requirements; specifications; recognized fire protection engineering standards and practices; and requirements associated with unique hazards including the fire characteristics of oxygen-enriched environments in NASA facilities and operations.
b) Identify non-conformances to the responsible organization and to the Safety and Test Operations Division.

2.5 Develop the S&MA Project Submittal Request Report.

The contractor shall
a) Perform an annual Safety and Fire Protection Survey as described in DRD 5, *Safety and Fire Protection Surveys and S&MA Project Submittal Request Report.*

b) Develop the S&MA Project Submittal Request Report from the survey as described in DRD 5, *Safety and Fire Protection Surveys and S&MA Project Submittal Request Report.*

2.6 Assess explosives safety.

As needed, the contractor shall review facilities, operations, and programs involving explosive devices and propellants for safety concerns to assess compliance with unique NASA requirements: JPR 1700.1, *JSC Safety and Health Handbook* and NASA Safety Standard – NSS 1740.12, *Safety Standard for Explosives, Propellants, and Pyrotechnics.*

2.7 Provide safety guidance.

The contractor shall provide accurate and timely safety guidance and information to other JSC personnel or organizations as requested. Guidance involves answering questions and interpreting safety requirements for JSC personnel. Documentation will be via electronic mail or other format agreeable to the requestor.

2.8 Provide JSC-specific safety training.

The contractor shall provide safety expertise, instruction, and materials for JSC specific, safety-related training administered by the JSC Human Resources Office. This includes training to JSC contractors as requested. See the list in Sec J, Attachment J-7 for more information.

3.0 Verification Audits and Inspections

The contractor shall inspect JSC buildings for hazards and assess compliance with the JSC Safety Program as an ongoing activity. The purpose is to assess compliance with JSC Safety Program and federal, state, and local safety and health regulations and to identify hazards that could cause injury or damage to NASA hardware. The contractor shall:

a) Ensure that imminent hazards be made safe immediately or stop the work in progress if imminent hazards cannot be corrected.
b) Gather safety and health data, as directed by the COTR on major support contractors and those engaged in hazardous activities. Examples of this data include information described in SOW, paragraph 3.1.
c) Immediately inform the Facility Manager and the Safety and Test Operations Division of Risk Assessment Code (RAC) 1 and 2 findings from inspections.
d) Update records of verification activities in building files within one week of completing an audit or inspection per SOW, sub-paragraph 7.1.4.

3.1 Review organizational compliance with JSC's Safety and Health Program.

The contractor shall perform a Safety and Health Program Review to assess the compliance of each JSC organization with the JSC Safety Program and federal, state, and local safety and health regulations. This includes an organization's support contractors working onsite at JSC. The contractor shall provide a report to the

organizational management for each review per DRD 1, *Management Reports*.

The review shall assess the following specific items:

a) Administrative and leadership activities to implement the safety and health program per JPR 1700.1, *JSC Safety and Health Handbook*, part 1. Activities include safety and health committees or other processes to manage safety and health. The contractor shall verify that each organization and contractor is adequately managing safety and health to include risk management activities.
b) Employee involvement and awareness to verify that the organization's employees are participating in safety activities and tasks with safety implications such as training requirements, compliance, motivation and awareness, per JPR 1700.1, *JSC Safety and Health Handbook*. The contractor shall verify that employees know the hazards they are exposed to and how the hazards are to be handled during the course of work.
c) Worksite analysis, which includes an organization's self-inspections and analyses to identify safety and health risks in their facilities and operations per JPR 1700.1, *JSC Safety and Health Handbook*, part 2. The purpose is to assess performance of organizations and their contractors in identifying hazards and correcting them. The contractor shall verify that all JSC buildings are inspected quarterly, hazard analyses are completed and reviewed, and hazards are tracked to closure.
d) Hazard prevention and control to include hazard correction tracking, hazard control programs and preventive maintenance per JPR 1700.1, *JSC Safety and Health Handbook*, part 3. This includes reviewing operational procedures and related records to verify cautions and warnings and other means to alert employees of hazardous situations meet OSHA and JSC Safety Program requirements.
e) Safety and health training per JPR 1700.1, *JSC Safety and Health Handbook*, part 4. The contractor shall audit training and certification programs and records to verify that NASA and OSHA safety and health training requirements are met.

3.2 Inspect facilities.

The contractor shall inspect all facilities and operations for hazards. The contractor shall:

a) Inspect each JSC building annually for fire and safety hazards.
b) Stagger annual inspection schedules so that by the end of the fourth year, all buildings will have been inspected at least once in the Winter, Spring, Summer, and Fall.
c) Coordinate inspections with the Environmental Office and Clinical Services Branch to maximize the number of consolidated building inspections and reporting.
d) Determine the status of abatement plans for open hazards and verify that records reflect the current status. Verify that interim or final abatement is controlling the hazard per JPR 1700.1, *JSC Safety and Health Handbook*.
e) Report health, environmental protection, and emergency preparedness hazards to the appropriate office if discovered.
f) Inform Facility Managers and hazard owners of hazards found to provide an opportunity for correction during the inspection.
g) Provide inspection reports as described in DRD 1, *Management Reports*.

3.3 Audit facility baseline documentation.

The contractor shall annually audit Facility Baseline Documentation for affected facilities to verify compliance with JPR 1700.1, *JSC Safety and Health Handbook.* Provide a report after each audit per DRD 1, *Management Reports.*

3.4 Report and track findings.

The contractor shall:
a) Follow up on safety concerns from audits or inspections identified in SOW, paragraphs 3.2 and 3.3 above to identify and assess whether proper actions to abate the concerns have been initiated.
b) Enter findings and corrective actions into JSC's hazard tracking system(s), as described in SOW, sub-paragraph 7.1.1, within 1 week of the inspection and track them until corrected.

4.0 Mishap Investigation

The contractor shall assure that mishaps and close calls are reported and documented, that actions are taken, and that lessons learned are communicated. This includes assisting in mishap investigations per NPR 8621.1, *NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping*, JPR 1700.1 *JSC Safety and Health Handbook*, JPR 8621.1, *JSC Mishap Response Plan*, and referenced documents. The purpose of mishap investigation is to identify root causes of the mishap and develop measures to prevent recurrence. The contractor shall implement a contractor-developed Mishap Certification process for all engineers. This program shall include classroom and on-the-job training as well as a certification exam.

4.1 Ensure mishap scenes and evidence are secured.

The contractor shall, immediately after a Type A or B mishap or when notified of other mishaps or close calls, assist the Incident Commander and ensure that:
a) The Safety and Test Operations Division is notified of mishaps and preliminary investigation results as described in DRD 1, *Management Reports.*
b) Evidence is immediately identified and secured for mishap investigations.
c) The mishap scene is undisturbed, allowing for necessary actions to rescue personnel and prevent further injury or damage.
d) Initial witness statements are requested and mishap witnesses are identified. (Only civil servants are allowed to interview witnesses.)
e) The investigation board, team, or individual investigator receives custody of evidence. This includes beginning a chain-of-custody log.

4.2 Assist formal mishap investigation boards and teams.

The contractor shall:
a) Operate a government-provided space to house mishap investigation boards and teams. This space may be used for other meetings on a non-interference basis. Mishap investigations have priority. The space shall:

1. Be secure to prevent unauthorized disclosure of preliminary investigation findings per paragraph 5.24 of NPR 1600.1, *NASA Security Program Procedural Requirements.*
2. Include government-provided audio-visual, computer, and internet capabilities.
3. Include government-provided supplies for an investigation.

b) Maintain mishap investigation and root cause tools per current NASA direction.
c) Provide administrative capability that is proficient in standard office software and mishap investigation tools. This may include transcription service.
d) Provide technical safety guidance to formal boards or lower-level investigations by line organizations.
e) Serve as an Ex-officio member of selected investigation teams as described in NPR 8621.1, *NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping.*

4.3 Provide guidance on mishap and close call reporting and investigations.

The contractor shall provide guidance on meeting NASA and JSC mishap and close call reporting requirements to JSC line organizations. Guidance includes interpreting NASA reporting requirements and facilitating investigations of Type C, D, and "close call" mishaps per JPR 1700.1, *JSC Safety and Health Handbook.*

4.4 Track mishap and close call reports to closure.

The contractor shall follow up on mishap and close call reports to verify that investigation results and corrective action plans are adequate to prevent recurrence, documented, tracked to closure, and archived. This includes:
a) Verifying that corrective actions are completed.
b) Maintaining and dispositioning mishap and close call investigation files per NPR 8621.1, *NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping*, and NPR 1441.1, *NASA Records Retention Schedules, and* JPR 1440.3, *JSC Files and Records Management Procedures.*
c) Documenting lessons learned from mishap investigation boards per paragraph 7.6 of NPR 8621.1, *NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping*, JPD 2310.2, *JSC Organizational Learning Program*, and JPR 2310.1, *JSC Organizational Learning Program*, and as described in DRD 14, *Lessons Learned Program Plan.*
d) Collecting objective evidence of closure and provide closure rationale to the assigned Ex-Officio.

4.5 Investigate Safety Action Hotline calls.

The contractor shall:
a) Receive, log, and begin an investigation of each Safety Action Hotline report within 1 working day of receipt.
b) Verify imminent hazards are controlled.
c) Determine the causes of the problem and verify actions are taken to address the causes if necessary.
d) Provide feedback to the reporter on the status within three working days and of investigation results when investigation is complete.
e) Track actions to closure.

f) Maintain supporting documentation and related records.

4.6 Replenish NASA Safety Reporting System (NSRS) and Close Call forms (JSC Form 1257) in NSRS and Close Call displays.

The contractor shall check NSRS and Close Call displays in JSC facilities at least monthly and replenish forms when empty or when requested.

5.0 Safety Awareness and Motivation

The contractor shall develop, coordinate, and implement a safety awareness program for JSC, including NASA civil service and contractor personnel. The program shall be structured to ensure employees receive information on a comprehensive, proactive mishap prevention program. This includes proposing awareness materials and campaigns based on the evolving risk environment at JSC. The purpose of awareness and motivation is to influence safe behavior and provide employees with pertinent safety information they can use.

The contractor shall develop, coordinate, and implement safety awareness activities and campaigns aimed at motivating employees to be safe on the job and at home as follows:

5.1 Provide awareness products.

The contractor shall provide short and long range campaign materials to motivate safety or prevent mishaps in JSC operations, to include:
a) Designing, producing, and distributing routine electronic and hard copy publications to include the monthly Safety and Health Newsletter.
b) As directed by the COTR, developing specific products, to include at least safety alerts, posters, newsletters, videos, announcements, and other awareness and motivational products.

5.2 Conduct periodic safety awareness and motivation campaigns.

The contractor shall:
a) Develop plans and strategies for campaigns including purchasing or publishing campaign materials. Specific products vary due to factors such as seasonal cycles and NASA management emphasis and objectives from the contractor's strategic planning.
b) Facilitate the awareness campaigns, as directed by the COTR. This includes activities or material in a wide variety of venues and media. Examples include Safety and Health Day, National Fire Prevention Week, and special topics such as the Spring Safety Fair.

5.3 Maintain a safety library.

The contractor shall:
a) Maintain a library of safety films, program learning material, and other educational material for checkout by JSC Civil Service and contractor personnel.
b) Update the library to reflect changes in OSHA or NASA requirements and practices.

c) Assess library contents annually for applicability to JSC's needs and provide the assessment and recommendations to the COTR.

6.0 Fire Protection Systems Maintenance Services

The contractor shall maintain fire alarm and suppression systems to ensure their reliability, with the exception of those maintained by other JSC organizations. This includes providing necessary lift support (man-lifts, scaffolds, and other devices to access fire protection devices) to accomplish required maintenance and providing necessary vehicles and equipment. The contractor is also responsible for incidental modification, and repair of servicing systems in place, removal and replacement or repair of small components, and making minor adjustments for components and systems with acquisition costs less than $5,000. Incidental maintenance and repair is small scale and include detectors, sprinkler heads, circuit boards, alarm panels, or other small components of the fire protection systems. The contractor shall notify the COTR via Email of any needed repairs and modifications over $5,000 per SOW section 12, *Special Projects.*

The contractor shall:

a) Maintain and operate a government-provided fire protection system repair shop.
b) Repair fire alarm and suppression systems to restore a system to an operating condition.
c) Purchase equipment and manufacturers' technical support necessary to accomplish this.
d) Access critical spare parts through the JSC COD, Logistics Division.
e) Maintain other necessary spare parts as bench stock.
f) Notify the COTR and the Safety and Test Operations Division of JSC fire protection systems that do not meet applicable OSHA standards & NFPA Standards and, NAS-STD-8719.11, *Safety Standard for Fire Protection* per DRD 1, *Management Reports.*
g) Perform maintenance and repairs per applicable NFPA standards, Underwriters Laboratory Standards, Factory Mutual Standards, manufacturer's recommendations, or other recognized authorities having jurisdiction such as the United States Coast Guard, Federal Aviation Administration, Department of Transportation, or OSHA, and applicable NASA requirements unless otherwise directed by the COTR.
h) Develop and implement contingency plans within 8 hours after systems become non-operational to protect life and property.
i) Develop and update procedures that include operations and schedules to meet the applicable standards mentioned in SOW Section 6. The contractor shall exclude specific procedures with COTR approval. COTR approval is required on all repair and maintenance procedures.
j) Coordinate maintenance, repairs and upgrades with the Center Operations Directorate contractors.
k) Verify system function after repairs and upgrades.
l) Assure configuration control of repairs, modifications, and upgrades.
m) Coordinate with the JSC organizations on repairs, outages, access to facilities, and fire watches.
n) Support facility outages outside of normal business hours as required.
o) Conduct hydrant flow tests at least biennially as described in NFPA 291 to develop a water supply profile for JSC.

6.1 Maintain fire alarm systems.

The contractor shall test, inspect, and maintain fire alarm systems to ensure they reliably detect and report events from the device location and alert employees per the following standards:

a) Follow NFPA 72, *National Fire Alarm Code*; NASA STD 8719.11, *Safety Standard for Fire Protection*; associated or applicable standards; and the manufacturer's recommendations for inspection, testing, and maintenance for fire alarm systems.
b) Perform this work on fire alarm systems in both normal and emergency power modes, throughout the central station transponders and their communication lines to the dispatch stations.
c) Maintain JSC Central Fire Alarm Monitoring System (CFMS) equipment including patches to operating system, revisions to central station software, workstations, servers, printers, and monitors.

6.2 Maintain fire suppression systems.

The contractor shall maintain suppression systems to ensure their reliability per the following standards:

a) Inspect, test, and maintain water-based systems (includes, but is not limited to: sprinkler, standpipe and hose, fire pumps, water storage tanks, foam-water sprinkler, valves, and flow in fire hydrant supply lines) as described in NFPA 25.
b) Inspect, test, and maintain carbon dioxide systems as described in NFPA 12.
c) Inspect, test, and maintain Halon systems as described in NFPA 12A. Maintain records of any release of Halon or any addition of Halon to systems.
d) Inspect, test, and maintain dry chemical and Ansul R-102 systems as described in NFPA 17 and 17A.
e) Inspect, test, and maintain systems as described per NASA-STD 8719.11, *Safety Standard for Fire Protection*, and applicable standards.

6.3 Maintain engineering drawings and records.

The contractor shall maintain a current set of as-built drawings of all fire alarm and suppression systems and current maintenance records as described in SOW, sub-paragraphs 7.1.4 & 7.1.5, and shall also:

a) Update electronic as-built drawings for systems it alters in a government-provided system.
b) Forward drawings to the COD, Facilities Management and Operations Division within 30 calendar days of completing system changes in the latest version of AutoCAD.
c) Maintain significant system maintenance records including modifications, alterations, and installation acceptance dates in building files.
d) Maintain records of maintenance schedules and completion dates, updated within 1 working week of activity.
e) Update maintenance schedules as required.

6.4 Oversee acceptance testing and connection of new or modified systems.

The contractor shall:

a) Verify that new or modified fire alarm and suppression systems function and are integrated with existing systems per NASA-STD-8719.11, *Safety Standard for Fire Protection*; associated NFPA standards; and SPECSINTACT including JSC sub-master specs for detection and suppression.
b) Verify the proper interface and system programming compatibility.
c) Witness and coordinate acceptance tests performed by the installing company or manufacturer of both new and modified fire protection systems before their acceptance by the government.
d) Verify that programmable systems and addressable systems are configured to provide required notification and facility coverage.

7.0 Safety Information Management

The contractor shall collect and analyze safety data to include mishaps, hazards, and training. The purpose is to document safety information to include mishaps, close calls hazards, corrective actions, safety actions, etc. to provide data for mishap prevention and to ensure that timely investigations are performed. The contractor shall maintain records of its activities to include reviews, inspections, maintenance, and actions worked.

The contractor shall:
a) Ensure all records are retained and dispositioned as described in NPR 1441.1, *NASA Records Retention Schedule*; JPR 1440.3, *JSC Files and Records Management Procedures*; and other applicable requirements.
b) Maintain records per the Privacy Act of 1974 and Sensitive-but-Unclassified controls in paragraph 5.24 of NPR 1600.1, *NASA Security Program Procedural Requirements*.
c) Validate safety information systems to ensure data integrity and fidelity. This includes maintaining configuration management of data system programming, design and code.
d) Verify that reports generated from safety information systems are accurate and meet customer expectations. This will be required whenever any new report, including metrics, is to be installed in a system and whenever these reports are modified along with periodic checks.
e) As technical advisors, make recommendations to the COTR and to the Safety and Test Operations Division for any information system from outside sources to be used in fulfilling government objectives.

7.1 Administer and maintain safety information.

The contractor shall collect, assess, verify, and maintain all safety data received as inputs to the government-provided information systems specified below. All safety data and the systems listed below are property of the Government.

The contractor shall:
a) Resolve problems with incoming data quality directly with the source with the intent of improving performance at the data source.
b) Provide periodic metrics on the performance of the data systems mentioned below per DRD 9.

c) Inform the COTR and process owner of any negative trends or repeated data quality issues with collecting, processing, and distributing data for the specific information system.
d) Perform Site Administrator functions for Incident Reporting Information System (IRIS) and JSC databases.

This includes the following:

7.1.1 *Enter and maintain information in Incident Reporting Information System (IRIS) and JSC's databases.* The contractor shall use IRIS, an agency-wide, web-based system, to track mishaps, close calls, workplace hazards, and contractor statistics. JSC maintains other databases to provide functions not available in IRIS. Current JSC databases are listed in Section J and are subject to change over the course of the contract. The contractor shall:

a) Ensure that the initial information is entered into IRIS and the JSC databases and send notice to the responsible investigator(s) within 1 working day of receiving a mishap report and within 3 working days for a close call report.
b) Ensure that investigation results and action plans, to include abatements plans in the case of hazards, are entered in IRIS and JSC's databases within 3 working days of receipt.
c) Ensure contractor statistics are entered and discrepancies are resolved with the source.
d) Request delinquent contractor statistics from contractors within 3 working days of due date.
e) For close calls, ensure that reporters are notified of action plans and completion of actions within 3 working days of receipt.
f) Verify that the cited requirements, to include code reference, are accurately and systematically entered for each hazard. Order of precession: JPR 1700.1, *JSC Safety and Health Handbook*; NASA standards; OSHA and NFPA standards; consensus standards; OSHA general duty clause, to be used when no standard or requirement exists. Use unique organizational or programmatic requirements if they are more stringent.
g) Enter abatement plans and follow-up, verifying that interim and final abatement plans contain clearly defined actions, one actionee and one due date per action.
h) Request abatement plans or closure data for all hazards not closed within 30 calendar days of discovery.
i) Verify that data is accurate and that mishap and close call descriptions and investigations meet NPR 8621.1, *NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping* and JPR 1700.1, *JSC Safety and Health Handbook.* This data includes causal analysis as required and action plans to prevent recurrence. Bring inadequacies in the initial or final report to the attention of the reporter or investigator, the COTR, and the Safety and Test Operations Division process owner within 3 working days of receipt.
j) Track all actions to completion per the due dates in the action plan.
k) Bring past due items to the attention of investigators or actionee within 1 week of exceeding the due date.
l) Provide monthly status report as described in DRD 9, *Safety Information Management Reports.*
m) Provide technical assistance to users of the NASA IRIS in support of JSC processes.

7.1.2 *Maintain Safety Action Hotline records.* The contractor shall maintain records of Safety Action Hotline activities described in SOW, paragraph 4.5. This shall include:
a) A record of the call, including time, date, and content.
b) Reporter contact information (confidential).
c) A record of actions taken to resolve the concern, including dates.

7.1.3 *Maintain action data.* The contractor shall track actions in a database. The contractor shall:
a) Complete an accurate record of each action done by the contractor including those assigned by the COTR.
b) Document 95% of schedule slips with rationale and new due dates before current due date expires. Document 100% no later than 5 working days after the due date.

7.1.4 *Maintain building files.* The contractor shall maintain current and accurate files for all building related records such as surveys, audit reports, design review results, and operational procedures as reviewed by the contractor. These files are the official records for fire and safety of JSC operations and are property of the Government. Hard copy or electronic formats are acceptable. Electronic formats shall be approved by NASA. The files shall include:
a) All scheduled work that has been performed by the CISS contractor for the facility as described in other sections of this SOW.
b) Information developed by other JSC organizations that will have a bearing on safety of those facilities.

7.1.5 *Maintain fire protection system maintenance and repair records.* The contractor shall maintain current and accurate records of activities in SOW, section 6, *Fire Protection System Maintenance*, using electronic devices, such as Personal Digital Assistants. The contractor shall retain maintenance records permanently in a searchable electronic database. The records shall meet the codes in paragraphs 6.1 and 6.2 of this SOW and shall:
a) Include the specific personnel performing the procedures.
b) Include the number of labor hours expended.
c) Be reviewable without reference to other documents to interpret the required information.
d) Be used to schedule maintenance activities.

7.2 Maintain security of safety information.

The contractor shall ensure the security and integrity of the following:
a) All data received and stored.
b) Information applications.
c) Access privileges including the protection of any outputs of a sensitive nature.

The contractor shall follow the requirements in NPR 2810.1A, *Security of Information Technology.*

7.3 Provide reports.

The contractor shall:

a) Provide reports per the schedule in DRD 9, *Safety Information Management Reports.*
b) Provide reports by special request within schedules and format agreed to by the contractor and the COTR. These reports involve special database queries or other data compilation.

7.4 Maintain the Safety, Health, and Environmental Web Page.

The contractor shall:
a) Review the content of JSC's Safety, Health, and Environmental web page at least monthly and update or remove any outdated information. Data shall be no more than 60 days out of date.
b) Make changes to the content or design as directed by the COTR. The contractor shall also recommend improvements to the web page to the COTR for approval.
c) Maintain a hazard gallery on the web page to provide pictures and description of hazards along with the requirements violated and possible solutions.

7.5 Develop and maintain safety databases.

The contractor shall:
a) Develop and modify database applications, when authorized by the COTR as described in SOW, section 12, *Special Projects.* All Safety Information Management products, including Federal Information Processing (FIP) applications, shall become the property of the government unless otherwise specified by FIP regulations, the Federal Acquisition Requirements, and applicable requirements such as licenses.
b) Ensure availability of existing databases to meet JSC safety and health program objectives, unless the unavailability is outside the contractor's control.
c) Bring network or other factors that affect database availability and that are beyond their control to the attention of the COTR within 1 working day.

8.0 NASA Safety Training Center (NSTC)

The contractor shall operate the NSTC to provide safety, health, environmental protection, emergency planning and risk management training courses throughout NASA to support both institutional and human space flight program objectives. The NSTC "customers" include NASA Headquarters; the NASA Safety Center; and all NASA centers, facilities, and laboratories. The purpose is to develop and provide relevant safety training to NASA which will meet regulatory requirements and teach employees to work safely.

The contactor shall:
a) Ensure courses meet the needs of employees attending training.
b) Maintain training records, schedules, and listings in the System for Administration, Training, and Educational Resources for NASA (SATERN).
c) Produce reports as described in DRD 8, *NSTC Safety Training Metrics.*

8.1 Operate the NSTC.

The contractor is responsible for the day-to-day management of the NSTC in support of

safety, health, emergency planning, and risk management training goals and objectives of NASA. The contractor shall:

a) Develop and integrate requirements and objectives with the COTR and NSTC customers.
b) Ensure that NSTC customers receive requested support.
c) Establish and maintain points of contact with all NSTC customers to manage the advertising of course availability to achieve the widest dissemination within NASA.
d) Provide qualified instructors as described in SOW paragraph 1.6.5.
e) Maintain files of all NSTC activities to include the following: records pertaining to all costs of operations, including travel; instructor qualifications and selection; course development, presentation, and revisions; collection, analysis, and recommendations for future course offerings; equipment and materials inventories, and training records.
f) Analyze course critiques for continual improvement. Implement improvements that are within current budget and scope, and that meet customer objectives.
g) Prepare and ship training materials.
h) Maintain reference materials for instructors.
i) Prepare and distribute course schedules and catalogs.

8.2 Develop, present, and maintain safety training courses.

The contractor shall develop NASA-specific training courses for presentation to all NSTC customers. The courses may be instructor based or web-based training. This includes:

a) Developing new courses within the allotted time period, to include developing or adapting existing course materials to meet NASA objectives. Courses require one to three reviews or pilot presentations as necessary and written approval of material and presentation by the Safety and Test Operations Division, before being entered into the NSTC curriculum.
b) Ensure new courses meet customer objectives.
c) Presenting courses through live presentation at Centers or through other media, such as the NASA Video Teleconferencing Systems using qualified instructors. See Section J, Attachment J-7 for Core Course Inventory.
d) Reviewing all course materials at least annually so that they contain up-to-date information on requirements, references, mandates, technologies, and related materials.

8.3 Conduct an annual training needs survey.

The contractor shall administer an annual training needs survey per DRD 10, *Training Needs Survey and Training Schedule*. This survey is driven by data gathered by the NASA Safety Center and covers all NASA centers to determine course priorities of the centers. The contractor shall use the prioritization of courses to determine the training courses schedule for the next fiscal year per DRD 10, *Training Needs Survey and Training Schedule*.

9.0 Safety Program Development and Evaluation

The contractor shall perform the following to support continuous improvement of JSC's safety and health program:

9.1 Recommend improvements to JSC's Safety Program.

The contractor is encouraged to recommend improvements to enhance safety and efficiency in JSC's safety and health program. Recommendations should include implementation approach, costs, schedules, benefits, supporting rationale, and marketing strategies.

9.2 Implement program improvements as directed by NASA.

The contractor shall develop prototype products such as presentations, database applications, procedures, or other items essential to the understanding of the specific improvement.

9.3 Recommend changes to program and technical safety requirements in JPR 1700.1.

The contractor shall:
a) Ensure the content of JPR 1700.1, *JSC Safety and Health Handbook*, is current with OSHA, NASA, and JSC requirements. Coordinate recommended changes through the COTR. This includes standards research, document writing, coordination of draft documents with other elements of the Center, and resolving issues on comments to the handbook.
b) Perform a complete review of the safety-related chapters of JPR 1700.1 every 5 years. Provide comments to the Safety and Test Operations Division. The Safety and Test Operations Division is responsible for final editing and publication.

9.4 Review Federal Register and agency-level safety requirements and standards.

The contractor shall review proposed changes to Agency-level safety requirements and standards documents for accurate technical rationale and impact on JSC's program. For agency-level requirements, the contractor shall provide comments through the Safety and Test Operations Division to meet NASA Headquarters review schedules. For Federal Register safety and health updates, the contractor shall provide an impact statement per DRD 1, *Management Reports*.

9.5 Analyze data and measure the performance of JSC's Safety and Health Program.

The contractor shall analyze data gathered in SOW, section 3, *Verification Audits and Inspections*, and section 7, *Safety Information Management*, for trends and program performance, administer surveys as directed, and provide performance metrics based on data analysis. The contractor is encouraged to propose new metrics and methods for evaluating the effectiveness of JSC's Safety and Health Program. Implement new metrics and methods when directed COTR.

The Contractor shall:
a) Assess the performance of JSC safety and health program and the overall risk to JSC annually to support JSC's Annual Self Evaluation for VPP. This includes assessing the overall risk to JSC using audits and inspection data. Provide a

summary of the year's results as described in DRD 6, *Annual Safety Program Audit Report.*
b) Identify safety problem areas in institutional and programmatic products and processes at JSC and within line organizations and contractors.
c) Provide reports and metrics as required by DRD 9, *Safety Information Management Reports* and as directed by the Safety and Test Operations Division.

9.6 Support External Audits and Inspections.

The contractor shall participate in the preparation and execution of external audits, functional reviews, and inspections of the JSC Safety and Health Program or elements of the JSC Safety and Health Program by external organizations such as OSHA, NASA HQ, etc. Provide escorts, complete questionnaires, provide evidence of compliance, develop corrective action plans, review of findings, implement corrective actions, report on corrective action process.

10.0 Test Safety

The contractor shall perform safety activities for tests involving space flight and institutional research and development conducted at JSC and tests involving JSC personnel to include test subjects, or hardware at off-site (local and remote) contractor, and international partner locations. Test safety includes: evaluating the risk and hazards of test beds and spacecraft systems such as life support systems, space suits, medical research equipment, thermal control systems, explosives, software, and other state of the art space systems as they are operated in ground test facilities; participating in reviews; and monitoring test operations. These operations occur in various environments such as vacuum, extreme temperatures, underwater, vibration, and zero-gravity. The purpose is to prevent personnel injury or unexpected damage to NASA equipment from tests. When applicable requirements are not clear, the contractor shall research applicable requirements per paragraph 1.7 above.

The contractor shall:
a) Follow JPR 1700.1, *JSC Safety and Health Handbook*, and COTR approved procedures.
b) Assure the overall safety of JSC test operations.
c) Maintain a certification program for Test Safety Officers.
d) Cross train Test Safety Officers in safety engineering functions including sections 2, 3, and 4 of this SOW, to allow for a single point of contact for activities at JSC test facilities.

10.1 Assess test documentation for safety concerns.

The contractor shall assess test documentation to include test plans, test procedures, test protocols, and any supporting documentation such as hazard analysis, design review documentation, anomaly or discrepancy reports, and other test related reports and analyses.

The contractor shall:

a) Review the documentation and recommend approval or disapproval of this documentation before the Test Readiness Review (TRR).
b) Assure that test documentation meets JPR 1700.1, *JSC Safety and Health Handbook*, and other requirements and standards that apply to the specific test.
c) Meet customer requirements and schedules for the review milestones.

10.2 Attend Test Readiness Reviews.

The contractor shall participate in design, planning, build-up and readiness meetings for human testing and other hazardous tests at JSC. This includes selected hazardous Astronaut training operations. A certified Test Safety Officer per SOW sub-paragraph 1.6.4 shall attend TRRs and approve the test by signature when all safety concerns have been addressed.

The contractor shall:
a) Verify safety concerns with the test are properly addressed before approving the test.
b) Assure JSC test facilities, test beds, and test operations follow JPR 1700.1, *JSC Safety and Health Handbook*, and all applicable standards.
c) Identify and document unresolved safety concerns to the Safety and Test Operations Division.

10.3 Monitor test operations.

The contractor shall:
a) Assign certified Test Safety Officers, per SOW sub-paragraph 1.6.4, to monitor operations, as part of the test team, in the following priority:
   1. Tests involving human test subjects.
   2. Hazardous, non-human tests involving flight or flight-like equipment.
   3. All other hazardous non-human tests.
b) Report safety observations and concerns to the test director or equivalent as required by the rules of conduct identified for the specific test and JPR 1700.1, *JSC Safety and Health Handbook.*
c) Report all findings, concerns, and instances of noncompliance with the safety features of the test per customer requirements, JPR 1700.1, *JSC Safety and Health Handbook*, and procedures approved by the Safety and Test Operations Division.

10.4 Support the Committee for the Protection of Human Subjects.

The contractor shall:
a) Assist the Safety and Test Operation Division representative to the JSC Committee for the Protection of Human Subjects. This includes, but is not limited to, reviewing, for safety implications, human research investigations and protocols that subject personnel to potential hazards.
b) Provide presentations on safety implications of proposed human research as directed.
c) Verify human research protocols and procedures meet test safety requirements in JPR 1700.1, *JSC Safety and Health Handbook* and JSC Committee for the Protection of Human Subjects policies and requirements in JSC 20483, *Guidelines*

for Investigators Proposing Human Research for Space Flight and Related Investigations.

d) Prepare and present safety assessments as findings and recommendations to the Safety and Test Operations Division. This assessment includes a review of pertinent documentation such as test and medical procedures, hazard analyses, and investigation protocols, per procedures approved by the Safety and Test Operations Division.

11.0 Administer Lockout/Tagout Equipment

The contractor shall administer lockout and tagout equipment for JSC to provide a central issue point for lockout/tagout equipment and ensure uniformity in JSC's Lockout/Tagout program.

The contractor shall:

a) Ensure lockout and tagout devices meet JPR 1700.1 and OSHA requirements in 29 CFR 1910.147.
b) Track devices by serial number or other identification, maintain current inventory, and track devices to the point of distribution.
c) Provide and use a Lock Out/Tag Out database to include user-friendly trending, searching, and reporting capabilities; enhanced menu; and assign locks and alert capability.

11.1 Maintain an inventory of lockout and tagout devices.

The contractor shall:

a) Maintain a current inventory of working lockout and tagout devices to issue to NASA and contractors who need them for operations at JSC.
b) Assure full function of lockout/tagout devices.
c) Maintain a current status of all devices.

11.2 Purchase lockout and tagout devices.

The contractor shall purchase necessary lockout and tagout devices as necessary to maintain an adequate inventory.

11.3 Fill requests for lockout and tagout devices from NASA and contractors.

The contractor shall:

a) Provide the capability to issue devices outside of normal business hours.
b) Meet customer requests for specific lockout/tagout equipment.
c) Maintain accurate records of request date, device type, date of issuance, and receiving party.

11.4 Account for all locks and devices.

The contractor shall:

a) Fully account for serialized locks and devices are in the inventory.
b) Request verification from the responsible party the devices were issued to that all

issued devices are in his or her possession.
c) Publish a current list of missing locks and devices monthly, to include negative reports as described in DRD 1, *Management Reports*.
d) Remove missing locks and devices from the list of missing locks within 3 working days of being notified as found and still operable.

NOTE: This does not include keeping track of when and where they are used.

12.0 Special Projects

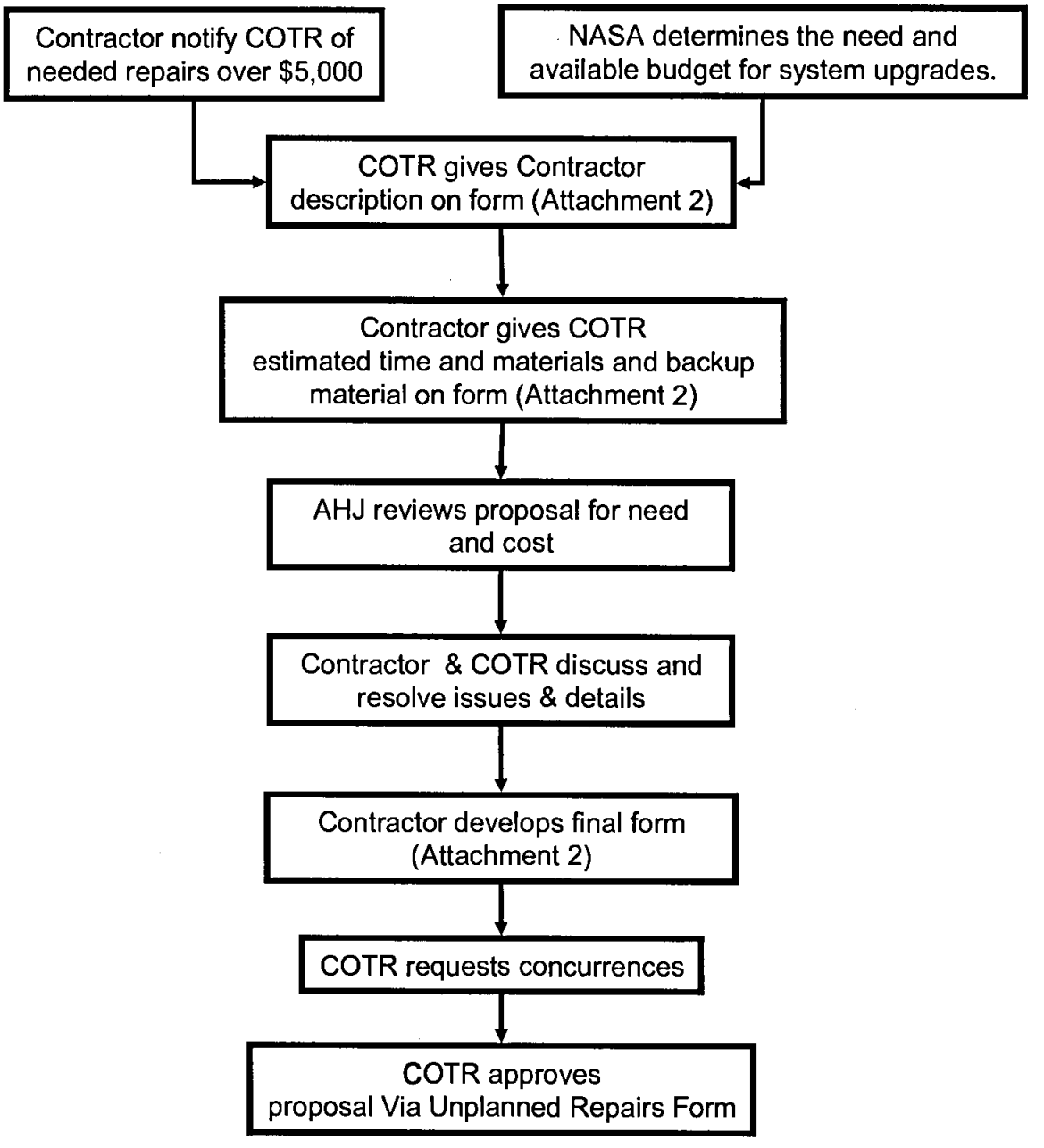
The contractor shall perform special projects as defined by the Safety and Test Operations Division. The contractor shall establish a plan, schedule, and, time and materials estimates using the labor rates in the contract schedule for each project. Special projects include, but are not limited to:

12.1 Perform incidental fire protection system repairs, modifications, and upgrades over $5,000 per Section 6, when directed by the COTR per the process depicted in Section C, Attachment 1, and approved via the Unplanned Repairs, Modifications, and Upgrades Form, Section C, Attachment 2.

12.2 Perform other safety-related special projects when authorized by a separate task order, which include, but are not limited to:
a) Safety-related information systems and tools.
b) Safety-related surveys beyond those already mentioned in the SOW and survey tools.
c) Safety-related studies.
d) Other safety-related initiatives.

Attachment 1

Process for Repairs, Modifications, Upgrades



Attachment 2
UNPLANNED REPAIRS, MODIFICATIONS, AND UPGRADES FORM

Work Authorization Number: _____

Start Date Stop Date

Work Description

Materials Description Materials Cost

Labor category Labor Hours Labor Rate

Total for materials and labor:_____ (Attach supporting documentation for estimate and planned expenditure per month, and schedule)

I agree that this project is necessary or in the best interest of improving JSC's Fire Protection Systems and that the cost is reasonable.

Authority Having Jurisdiction: _____

Signatures (name & date)

Contractor Concurrence:
_____
Contractor Approving Official

NASA Concurrence:
Budget: _____
COTR: _____

Approval to Proceed

Contracting Officer: _____ Date: _____

SECTION D - PACKAGING AND MARKING

D.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE

None included by reference.

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE

None included by reference.

D.2 PACKAGING, HANDLING, AND TRANSPORTATION (NFS 1852.211-70) (SEP 2005)

(a) The Contractor shall comply with NASA Procedural Requirements (NPR) 6000.1, "Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components", as may be supplemented by the statement of work or specifications of this contract, for all items designated as Class I, II, or III.

(b) The Contractor's packaging, handling, and transportation procedures may be used, in whole or in part, subject to the written approval of the Contracting Officer, provided (1) the Contractor's procedures are not in conflict with any requirements of this contract, and (2) the requirements of this contract shall take precedence in the event of any conflict with the Contractor's procedures.

(c) The Contractor must place the requirements of this clause in all subcontracts for items that will become components of deliverable Class I, II, or III items.

(End of clause)

[END OF SECTION]

SECTION E - INSPECTION AND ACCEPTANCE

E.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.246-6	MAY 2001	INSPECTION—TIME-AND-MATERIAL AND LABOR-HOUR
52.246-16	APR 1984	RESPONSIBILITY FOR SUPPLIES

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE

None included by reference.

E.2 RESPONSIBILITY FOR SUPPLIES (52.246-16) (APR 1984)

(a) Title to supplies furnished under this contract shall pass to the Government upon formal acceptance, regardless of when or where the Government takes physical possession, unless the contract specifically provides for earlier passage of title.

(b) Unless the contract specifically provides otherwise, risk of loss of or damage to supplies shall remain with the Contractor until, and shall pass to the Government upon—

(1) Delivery of the supplies to a carrier, if transportation is f.o.b. origin; or

(2) Acceptance by the Government or delivery of the supplies to the Government at the destination specified in the contract, whichever is later, if transportation is f.o.b. destination.

(c) Paragraph (b) of this clause shall not apply to supplies that so fail to conform to contract requirements as to give a right of rejection. The risk of loss of or damage to such nonconforming supplies remains with the Contractor until cure or acceptance. After cure or acceptance, paragraph (b) of this clause shall apply.

(d) Under paragraph (b) of this clause, the Contractor shall not be liable for loss of or damage to supplies caused by the negligence of officers, agents, or employees of the Government acting within the scope of their employment.

(End of clause)

E. 3 MATERIAL INSPECTION AND RECEIVING REPORT (NFS 1852.246-72) (AUG 2003)

(a) At the time of each delivery to the Government under this contract, the Contractor shall furnish a Material Inspection and Receiving Report (DD Form 250 series) prepared in duplicate; an original and 1 copy.

(b) The Contractor shall prepare the DD Form 250 in accordance with NASA FAR Supplement 1846.6. The Contractor shall enclose the copies of the DD Form 250 in the package or seal them in a waterproof envelope, which shall be securely attached to the exterior of the package in the most protected location.

(c) When more than one package is involved in a shipment, the Contractor shall list on the DD Form 250, as additional information, the quantity of packages and the package numbers. The Contractor shall forward the DD Form 250 with the lowest numbered package of the shipment and print the words "CONTAINS DD FORM 250" on the package.

(End of clause)

E.4 GOVERNMENT CONTRACT QUALITY ASSURANCE FUNCTIONS

In accordance with the inspection clause in this contract, the Government intends to perform quality assurance functions as a part of oversight and insight monitoring on a random basis during this contract and at various locations where this contract is performed.

(End of clause)

[END OF SECTION]

SECTION F - DELIVERIES OR PERFORMANCE

F.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.242-15	AUG 1989	STOP-WORK ORDER
52.242-17	APR 1984	GOVERNMENT DELAY OF WORK
52.247-34	NOV 1991	F.O.B. DESTINATION

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE

None included by reference.

F. 2 PERIOD OF PERFORMANCE

The period of performance of this contract shall be from July 1, 2009 to June 30, 2012. Task Orders placed prior to the expiration date of this contract shall remain in full force and effect until deliveries have been completed and payment has been made.

(End of clause)

F.3 PLACE OF PERFORMANCE

The primary work areas for this contract are aerospace facilities at the NASA Johnson Space Center, Houston, Texas, and related operations at Ellington Field (EF), Houston, Texas, and Sonny Carter Training Facility (SCTF), Houston, Texas. EF and SCTF are considered part of JSC. Intermittent support may be required at other sites for which JSC has responsibility such as the Forward Operating Location (EPFOL), El Paso, Texas; the White Sands Test Facility (WSTF), Las Cruces, New Mexico; and other continental United States sites. Safety support may also be required at locations where JSC has interests such as offsite contractor locations, other NASA centers, and non-NASA locations (both foreign and domestic).

(End of clause)

F.4 OPTION FOR THE INCREASE IN CEILING PRICE

The Government may increase the ceiling price of the contract during the period of performance by an amount ranging from **$1 to $7,917,000**. If the Government elects to exercise its option to increase the ceiling price, the Contractor will be so notified by a unilateral contract modification executed by the Contracting Officer. The terms and conditions relating to the Government's option rights as provided herein are as follows:

The Government may increase the ceiling price (up to the maximum amount specified) by the exercise of one option, or by the exercise of multiple options, during the period of performance.

(End of clause)

F.5 OPTION TO EXTEND PERIOD OF PERFORMANCE

The Government may require the contractor to continue to perform services under this contract. The CO may exercise this option by issuance of a unilateral contract modification 30 days or more before the end of the period of performance set forth in Section F.2. The total duration of this contract, including the exercise of any option under this clause shall not exceed 5 years. Should the option be exercised, the resultant contract will include all terms and conditions of the basic contract as it exists immediately prior to the exercise of the option, except for the following changes:

Option 1:

1. The unit prices for supplies and services that may be ordered and the Contractor may be obligated to furnish for Option 1 are set forth in the pricing table located in Section B.6.4 and Section B.6.5 of the contract.

2. F.2, entitled "PERIOD OF PERFORMANCE" will be modified to state:

"The Period of Performance of this contract will be from July 1, 2009, to June 30, 2014."

(End of clause)

F.6 SHIPPING INSTRUCTIONS

Shipment of Parcel Post Shipments and Freight Shipments shall be shipped as follows:

Ship to: NASA Johnson Space Center
Building 421
2101 NASA Parkway
Houston, TX 7058-3696

Mark for: Accountable Property Office (if applicable)
Mark with: Purchase Request No. {insert number.} (if applicable)
Contract Number: NNJ09JA01C
For reissue to: _____
(Name) (Mail Code) (Bldg.) (Rm.)

(End of clause)

[END OF SECTION]

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE

None included by reference.

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE
1852.223-71	DEC 1988	FREQUENCY AUTHORIZATION
1852.227-86	DEC 1987	COMMERCIAL COMPUTER SOFTWARE-LICENSING

G.2 AWARD FEE FOR SERVICE CONTRACTS

(a) The contractor can earn award fee from a minimum of zero dollars to the maximum stated in Section B.2, "Contract Type With Ceiling Price and Award Fee" of this contract.

(b) Beginning 12 months after the effective date of this contract, the Government shall evaluate the Contractor's performance every 12 months to determine the amount of award fee earned by the contractor during the period. The Contractor may submit a self-evaluation of performance for each evaluation period under consideration. These self-evaluations will be considered by the Government in its evaluation. The Government's Fee Determination Official (FDO) will determine the award fee amounts based on the Contractor's performance in accordance with the Award Fee Plan (Section J, Attachment J-4). The plan may be revised unilaterally by the Government prior to the beginning of any rating period to redirect emphasis.

(c) The Government will advise the Contractor in writing of the evaluation results. The Financial Management Office will make payment based on the issuance of unilateral modification by Contracting Officer.

(d) After 85 percent of the potential award fee has been paid, the Contracting Officer may direct the withholding of further payment of award fee until a reserve is set aside in an amount that the Contracting Officer considers necessary to protect the Government's

interest. This reserve shall not exceed 15 percent of the total potential award fee.

(e) The amount of award fee which can be awarded in each evaluation period is limited to the amounts set forth at Section J, Attachment J-4. Award fee which is not earned in an evaluation period cannot be reallocated to future evaluation periods.

(f)(1) Provisional award fee payments will be made under this contract pending the determination of the amount of fee earned for an evaluation period. If applicable, provisional award fee payments will be made to the Contractor on a quarterly basis. The total amount of award fee available in an evaluation period that will be provisionally paid is the lesser of 80% or the prior period's evaluation score.

(2) Provisional award fee payments will be superseded by the final award fee evaluation for that period. If provisional payments exceed the final evaluation score, the Contractor will either credit the next payment voucher for the amount of such overpayment or refund the difference to the Government, as directed by the Contracting Officer.

(3) If the Contracting Officer determines that the Contractor will not achieve a level of performance commensurate with the provisional rate, payment of provisional award fee will be discontinued or reduced in such amounts as the Contracting Officer deems appropriate. The Contracting Officer will notify the Contractor in writing if it is determined that such discontinuance or reduction is appropriate.

(4) Provisional award fee payments will be made prior to the first award fee determination by the Government.

(g) Award fee determinations are unilateral decisions made solely at the discretion of the Government.

(End of clause)

G.3 TECHNICAL DIRECTION (NFS 1852.242-70) (SEP 1993)

(a) Performance of the work under this contract is subject to the written technical direction of the Contracting Officer Technical Representative (COTR), who shall be specifically appointed by the Contracting Officer in writing in accordance with NASA FAR Supplement 1842.270. "Technical direction" means a directive to the Contractor that approves approaches, solutions, designs, or refinements; fills in details or otherwise completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or furnishes similar instruction to the Contractor. Technical direction includes requiring studies and pursuit of certain lines of inquiry regarding matters within the general tasks and requirements in Section C of this contract.

(b) The COTR does not have the authority to, and shall not, issue any instruction purporting to be technical direction that--

(1) Constitutes an assignment of additional work outside the statement of work;

(2) Constitutes a change as defined in the changes clause;

(3) Constitutes a basis for any increase or decrease in the total estimated contract cost, the fixed fee (if any), or the time required for contract performance;

(4) Changes any of the expressed terms, conditions, or specifications of the contract; or

(5) Interferes with the Contractor's rights to perform the terms and conditions of the contract.

(c) All technical direction shall be issued in writing by the COTR.

(d) The Contractor shall proceed promptly with the performance of technical direction duly issued by the COTR in the manner prescribed by this clause and within the COTR's authority.

If, in the Contractor's opinion, any instruction or direction by the COTR falls within any of the categories defined in paragraph (b) above, the Contractor shall not proceed but shall notify the Contracting Officer in writing within 5 working days after receiving it and shall request the Contracting Officer to take action as described in this clause. Upon receiving this notification, the Contracting Officer shall either issue an appropriate contract modification within a reasonable time or advise the Contractor in writing within 30 days that the instruction or direction is--

(1) Rescinded in its entirety; or

(2) Within the requirements of the contract and does not constitute a change under the changes clause of the contract, and that the Contractor should proceed promptly with its performance.

(e) A failure of the Contractor and Contracting Officer to agree that the instruction or direction is both within the requirements of the contract and does not constitute a change under the changes clause, or a failure to agree upon the contract action to be taken with respect to the instruction or direction, shall be subject to the Disputes clause of this contract.

(f) Any action(s) taken by the Contractor in response to any direction given by any person other than the Contracting Officer or the COTR shall be at the Contractor's risk.

(End of clause)

G.4 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (1852.245-71) (DEVIATION) (SEP 2007) (ALT I) (DEVIATION) (SEP 2007)

(a) The Government property described in paragraph (c) of this clause may be made available to the Contractor on a no-charge basis for use in performance of this contract. This property shall be utilized only within the physical confines of the NASA installation that provided the property unless authorized by the contracting officer under (b)(1)(iv). Under this clause, the Government retains accountability for, and title to, the property, and the Contractor shall comply with the following:

NASA Procedural Requirements (NPR) 4100, NASA Materials Inventory Management Manual

NASA Procedural Requirements (NPR) 4200, NASA Equipment Management Procedural Requirements

NASA Procedural Requirement (NPR) 4300, NASA Personal Property Disposal Procedural Requirements

Property not recorded in NASA property systems must be managed in accordance with the requirements of FAR 52.245-1.

The Contractor shall establish and adhere to a system of written procedures to assure continued, effective management control and compliance with these user responsibilities. Such procedures must include holding employees liable, when appropriate, for loss, damage, or destruction of Government property.

(b)(1) The official accountable recordkeeping, financial control, and reporting of the property subject to this clause shall be retained by the Government and accomplished within NASA management information systems prescribed by the installation Supply and Equipment Management Officer (SEMO) and Financial Management Officer. If this contract provides for the Contractor to acquire property, title to which will vest in the Government, the following additional procedures apply:

(i) The Contractor shall not utilize the installation's central receiving facility for receipt of contractor-acquired property. However, the Contractor shall provide listings suitable for establishing accountable records of all such property received, on a monthly basis, to the SEMO.

(ii) The Contractor shall furnish a copy of each purchase order, prior to delivery by the vendor, to the installation central receiving area.

(iii) The Contractor shall establish a record of the property as required by FAR 52.245-1, Government Property, and furnish to the Industrial Property Officer a DD Form 1149, Requisition and Invoice/Shipping Document, (or installation equivalent) to transfer accountability to the Government within 5 working days after receipt of the property by the Contractor. The Contractor is accountable for all contractor-acquired property until the property is transferred to the Government's accountability.

(iv) Contractor use of Government property at an off-site location and off-site subcontractor use require advance approval of the Contracting Officer and notification of the Industrial Property Officer. The property shall be considered Government furnished and the Contractor shall assume accountability and financial reporting responsibility. The Contractor shall establish records and property control procedures and maintain the property in accordance with the requirements of FAR 52.245-1, Government Property, until its return to the installation. NASA Procedural Requirements related to property loans shall not apply to offsite use of property by contractors.

(2) After transfer of accountability to the Government, the Contractor shall continue to maintain such internal records as are necessary to execute the user responsibilities identified in paragraph (a) of this clause and document the acquisition, billing, and disposition of the property. These records and supporting documentation shall be made available, upon request, to the SEMO and any other authorized representatives of the Contracting Officer.

(c) The following property and services are provided if checked.

_X_(1) Office space, work area space, and utilities. Government telephones are available for official purposes only.
_X_(2) Office furniture.
_X_(3) Property listed in Section J, attachment J-5.

(ii) If the Contractor acquires property, title to which vests in the Government pursuant to other provisions of this contract, this property also shall become accountable to the Government upon its entry into Government records.

(iii) The Contractor shall not bring to the installation for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.

___ (4) Supplies from stores stock.
_X_ (5) Publications and blank forms stocked by the installation.
_X_(6) Safety and fire protection for Contractor personnel and facilities.
_X_ (7) Installation service facilities listed in Section J, attachment J-5.
_X_ (8) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.
_X_ (9) Cafeteria privileges for Contractor employees during normal operating hours.
_X_ (10) Building maintenance for facilities occupied by Contractor personnel.
_X_ (11) Moving and hauling for office moves, movement of large equipment, and delivery of supplies. Moving services may be provided on-site, as approved by the Contracting Officer.

(End of clause)

G.5 FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (DEVIATION) (NFS 1852.245-73) (SEP 2007)

(a) The Contractor shall submit annually a NASA Form (NF) 1018, NASA Property in the Custody of Contractors, in accordance with the provisions of 1845.505-14, the instructions on the form, subpart 1845.71, and any supplemental instructions for the current reporting period issued by NASA.

(b)(1) Subcontractor use of NF 1018 is not required by this clause; however, the Contractor shall include data on property in the possession of subcontractors in the annual NF 1018.

(2) The Contractor shall mail the original signed NF 1018 directly to the cognizant NASA Center Deputy Chief Financial Officer, Finance, unless the Contractor uses the NF 1018

Electronic Submission System (NESS) for report preparation and submission.

(3) One copy shall be submitted (through the Department of Defense (DOD) Property Administrator if contract administration has been delegated to DOD) to the following address: [Insert name and address of appropriate NASA Center office.], unless the Contractor uses the NF 1018 Electronic Submission System (NESS) for report preparation and submission.

(c)(1) The annual reporting period shall be from October 1 of each year through September 30 of the following year. The report shall be submitted in time to be received by October 15. The information contained in these reports is entered into the NASA accounting system to reflect current asset values for agency financial statement purposes. Therefore, it is essential that required reports be received no later than October 15. Some activity may be estimated for the month of September, if necessary, to ensure the NF 1018 is received when due. However, contractors' procedures must document the process for developing these estimates based on planned activity such as planned purchases or NASA Form 533 (NF 533 Contractor Financial Management Report) cost estimates. It should be supported and documented by historical experience or other corroborating evidence, and be retained in accordance with FAR Subpart 4.7, Contractor Records Retention. Contractors shall validate the reasonableness of the estimates and associated methodology by comparing them to the actual activity once that data is available, and adjust them accordingly. In addition, differences between the estimated cost and actual cost must be adjusted during the next reporting period. Contractors shall have formal policies and procedures, which address the validation of NF 1018 data, including data from subcontractors, and the identification and timely reporting of errors. The objective of this validation is to ensure that information reported is accurate and in compliance with the NASA FAR Supplement. If errors are discovered on NF 1018 after submission, the contractor shall contact the cognizant NASA Center Industrial Property Officer (IPO) within 30 days after discovery of the error to discuss corrective action.

(2) The Contracting Officer may, in NASA's interest, withhold payment until a reserve not exceeding $25,000 or 5 percent of the amount of the contract, whichever is less, has been set aside, if the Contractor fails to submit annual NF 1018 reports in accordance with 1845.505-14 and any supplemental instructions for the current reporting period issued by NASA. Such reserve shall be withheld until the Contracting Officer has determined that NASA has received the required reports. The withholding of any amount or the subsequent payment thereof shall not be construed as a waiver of any Government right.

(d) A final report shall be submitted within 30 days after disposition of all property subject to reporting when the contract performance period is complete in accordance with (b)(1) through (3) of this clause.

(End of clause)

G.6 IDENTIFICATION AND MARKING OF GOVERNMENT EQUIPMENT (DEVIATION) (NFS 1852.245-74) (SEP 2007)

(a) The Contractor shall identify all equipment to be delivered to the Government using NASA Technical Handbook (NASA-HDBK) 6003, Application of Data Matrix Identification Symbols to Aerospace Parts Using Direct Part Marking Methods/Techniques, and NASA Standard (NASA-STD) 6002, Applying Data Matrix Identification Symbols on Aerospace Parts Handbook. This includes deliverable equipment listed in the schedule and other equipment when NASA directs physical transfer to NASA or a third party. The Contractor shall identify property in both machine and human readable form unless the use of a machine readable-only format is approved by the NASA Industrial Property Officer.

(b) Property shall be marked in a location that will be human readable, without disassembly or movement of the property, when the items are placed in service unless such placement would have a deleterious effect on safety or on the item's operation.

(c) Concurrent with equipment delivery or transfer, the Contractor shall provide the following data in an electronic spreadsheet format:

(1) Item Description.

(2) Unique Identification Number (License Tag).

(3) Unit Price.

(4) An explanation of the data used to make the unique identification number.

(d) For items physically transferred under paragraph (a) the following additional data is required:

(1) Date originally placed in service.

(2) Item condition.

(3) Date last serviced.

(e) The data required in paragraphs (c) and (d) shall be delivered to the NASA center receiving activity listed below:

NASA/JSC
JB7/Transportation and Support Services Branch
2101 NASA Parkway
Houston, Texas 77058-3696

(f) The contractor shall include the substance of this clause, including this paragraph (f), in all subcontracts that require delivery of equipment.

(End of clause)

G.7 PROPERTY MANAGEMENT CHANGES (DEVIATION) (NFS 1852.245-75) (SEP 2007)

(a) The Contractor shall submit any changes to standards and practices used for management and control of Government property under this contract to the assigned property administrator and Industrial Property Officer (IPO), prior to making the change whenever the change --

(1) Employs a standard that allows increase in thresholds or changes the timing for reporting loss, damage, or destruction of property;

(2) Alters physical inventory timing or procedures;

(3) Alters recordkeeping practices;

(4) Alters practices for recording the transport or delivery of Government property; or

(5) Alters practices for disposition of Government property.

(b) The Contractor shall contact the IPO at:

Michael Caputo
NASA/JSC/JA
2101 NASA Parkway
Houston, TX 77058-3696

281-483-7909
michael.caputo-1@nasa.gov

(End of clause)

G.8 LIST OF GOVERNMENT PROPERTY FURNISHED PURSUANT TO FAR 52.245-2 (DEVIATION) NFS 1852.245-77 (SEP 2007)

For performance of work under this contract, the Government will make available Government property identified below for use on this contract on a no-charge-for-use basis pursuant to FAR 52.245-2, Government Property Installation Operation Services. The Contractor shall use this property in the performance of this contract at the Johnson Space Center and at other location(s) as may be approved by the Contracting Officer.

Item Description	Acquisition Date	Acquisition Cost	Quantity	If equipment		
				Manufacturer	Model	Serial Number
Lift Gate	**1/15/2001**	b4	1	Eagle	38X60	31310
Ladder Rack	11/8/2004		2	Knaack	234-3	N/A
Sidemount Tool Box	11/8/2004 (E)		2	Deflecta-Shield	7300	N/A
PDA	8/31/2007		1	Motorola	MC7090	1B463031C245ACE1C
PDA	8/31/2007		1	Motorola	MC7090	0196B701864720A10

PDA	8/31/2007
PDA	8/31/2007
PDA	9/30/2008
PDA	9/30/2008

b4

1	Motorola	MC7090	08869A018A47AB610
1	Motorola	MC7090	23463031C24538418
1	Motorola	MC7090	05069F016947D9E16
1	Motorola	MC7090	0D069F0169479FA1A

Note: (E) Indicates Government estimated information

(End of clause)

G.9 PHYSICAL INVENTORY OF CAPITAL PERSONAL PROPERTY (DEVIATION) (NFS 1852.245-78) (SEP 2007)

(a) In addition to physical inventory requirements under the clause at FAR 52.245-1, Government Property, the Contractor shall conduct annual physical inventories for individual property items with an acquisition cost exceeding $100,000.

(1) The Contractor shall inventory --

(i) Items of property furnished by the Government;

(ii) Items acquired by the Contractor and titled to the Government under the clause at FAR 52.245-1;

(iii) Items constructed by the Contractor and not included in the deliverable, but titled to the Government under the clause at FAR 52.245-1; and

(iv) Complete but undelivered deliverables.

(2) The Contractor shall use the physical inventory results to validate the property record data, specifically location, condition and use status, and to prepare summary reports of inventory as described in paragraph (c) of this clause.

(b) Unless specifically authorized in writing by the NASA Industrial Property Officer (IPO), the inventory shall be performed and posted by individuals other than those assigned custody of the items, responsibility for maintenance, or responsibility for posting to the property record. The Contractor may request a waiver from this separation of duties requirement from the NASA IPO, when all of the conditions in either (1) or (2) below are met.

(1) The Contractor utilizes an electronic system for property identification, such as a laser bar-code reader or radio frequency identification reader, and

(i) The programs or software preclude manual data entry of inventory identification data by the individual performing the inventory; and
(ii) The inventory and property management systems contain sufficient management controls to prevent tampering and assure proper posting of collected inventory data.

(2) The Contractor has limited quantities of property, limited personnel, or limited property systems; and,

(i) The Contractor provides written confirmation that the Government property exists in the recorded condition and location; and

(ii) The items continue to be used exclusively for performance of the contract or as otherwise authorized by the Contracting Officer.

(3) The Contractor shall submit the request to the cognizant property administrator and obtain approval from the IPO prior to implementation of the practice.

(c) The Contractor shall report the results of the physical inventory to the property administrator and the NASA Industrial Property Officer within 10 calendar days of completion of the physical inventory. The report shall --

(1) Provide a summary showing number and value of items inventoried; and

(2) Include additional supporting reports of --

(i) Loss, damage or destruction, in accordance with the clause at 52.245-1, Government Property;

(ii) Idle property available for reuse or disposition; and

(iii) A summary of adjustments made to location, condition, status, or user as a result of the physical inventory reconciliation.

(d) The Contractor shall retain all physical inventory records, including records of all transactions associated with inventory reconciliation. All records shall be subject to Government review and/or audit.

(End of clause)

G.10 OCCUPANCY MANAGEMENT REQUIREMENTS (DEVIATION) (NFS 1852.245-82) (SEP 2007)

(a) In addition to the requirements of the clause at FAR 52.245-1, Government Property, the Contractor shall comply with the following in performance of work in and around Government real property:

(1) NPD 8800.14, Policy for Real Property Management.

(2) NPR 8831.2, Facilities Maintenance Management

(3) J69W-01, Real Property Management

(4) J69W-02, Facility Space Allocation and Utilization

(5) JPD 4310.1, National Historic Landmark Preservation

(b) The Contractor shall obtain the written approval of the Contracting Officer before installing or removing Contractor-owned property onto or into any Government real property or when movement of Contractor-owned property may damage or destroy Government-owned property. The Contractor shall restore damaged property to its original condition at the Contractor's expense.

(c) The Contractor shall not acquire, construct or install any fixed improvement or structural alterations in Government buildings or other real property without the advance, written approval of the Contracting Officer. Fixed improvement or structural alterations, as used herein, means any alteration or improvement in the nature of the building or other real property that, after completion, cannot be removed without substantial loss of value or damage to the premises. Title to such property shall vest in the Government.

(d) The Contractor shall report any real property or any portion thereof when it is no longer required for performance under the contract, as directed by the Contracting Officer.

(End of clause)

G.11 REAL PROPERTY MANAGEMENT REQUIREMENTS (DEVIATION) (NFS 1852.245-83) (SEP 2007)

(a) In addition to the requirements of the FAR Government Property Clause (FAR 52,245-1) the Contractor shall comply with the following in performance of any maintenance, construction, modification, demolition, or management activities of any Government real property:

(1) NPD 8800.14, Policy for Real Property Management.

(2) NPR 8831.2, Facilities Maintenance Management.

(3) J69W-01, Real Property Management

(4) J69W-02, Facility Space Allocation and Utilization

(5) JPD 4310.1, National Historic Landmark Preservation

(b) Within 30 calendar days following award, the Contractor shall provide a plan for maintenance of Government real property provided for use under this contract. The Contractor's maintenance program shall enable the identification, disclosure, and performance of normal and routine preventative maintenance and repair. The Contractor shall disclose and report to the Contracting Officer the need for replacement and/or capital rehabilitation. Upon acceptance by the Contracting Officer, the program shall become a requirement under this contract.

(c) Title to parts replaced by the Contractor in carrying out its normal maintenance obligations shall pass to and vest in the Government upon completion of their installation in the facilities. The Contractor shall keep the property free and clear of all liens and encumbrances.

(d) The Contractor shall keep records of all work done to real property, including plans, drawings, charts, warranties, and manuals. Records shall be complete and current. Record of all transactions shall be auditable. The Government shall have access to these records at all reasonable times, for the purposes of reviewing, inspecting, and evaluating the Contractor's real property management effectiveness. When real property is disposed of under this contract, the Contractor shall deliver the related records to the Government.

(e) The Contracting Officer may direct the Contractor in writing to reduce the work required by the maintenance program authorized in paragraph (b) at any time.

(End of clause)

G.12 SECURITY/BADGING REQUIREMENTS FOR FOREIGN NATIONAL VISITOR AND EMPLOYEES/REPRESENTATIVES OF FOREIGN CONTRACTORS (JSC 52.204-91) (JAN 2006)

(a) An employee of a domestic Johnson Space Center (JSC) contractor or its subcontractor who is not a U.S. citizen (foreign national) may not be admitted to the JSC site for purposes of performing work without special arrangements. In addition, all employees or representatives of a foreign JSC contractor/subcontractor may not be admitted to the JSC site without special arrangements. For employees as described above, advance notice must be given to the Security Office of the host installation [JSC or White Sands Test Facility (WSTF)] at least three weeks prior to the scheduled need for access to the site so that instructions on obtaining access may be provided. Contractors should be aware that approval for access to the site and issuance of a badge may take much longer than three weeks and sufficient lead time must be allowed to accommodate the approval process.

(b) All visit/badge requests for persons described in (a) above must be entered in the NASA Foreign National Management System (NFNMS) for acceptance, review, concurrence, and approval purposes. When an authorized company official requests a JSC or WSTF badge for site access, he/she is certifying that steps have been taken to ensure that its contractor or subcontractor employees, visitors, or representatives will not be given access to export-controlled or classified information for which they are not authorized. These individuals shall serve as the contractor's representative(s) in certifying that all visit/badge request forms are processed in accordance with JSC and WSTF security and export control procedures. No foreign national, representative, or resident alien contractor/subcontractor employee shall be granted access into JSC or WSTF until approved and processed through the NFNMS. Unescorted access will not be granted unless a favorable National Agency Check (NAC) has been completed by the JSC Security Office, and an approved NASA Foreign National Visitor Security/Technology Control Plan (STTCP), (previously called the Access Control Plan) has been submitted and approved.

(c) The contractor agrees that it will not employ for the performance of work onsite at JSC or WSTF any individuals who are not legally authorized to work in the United States. If the JSC or WSTF Industrial Security Specialist or the contracting officer has reason to believe that any employee of the contractor may not be legally authorized to

work in the United States and/or on the contract, the contractor may be required to furnish copies of Form I-9 (Employment Eligibility Verification), U.S. Department of Labor Application for Alien Employment Certification, and any other type of employment authorization document.

The contractor agrees to provide the information requested by JSC or WSTF Security Office in order to comply with NASA policy directives and guidelines related to foreign visits to NASA facilities so that (1) the visitor/employee/ representative may be allowed access to JSC or other NASA centers for performance of this contract, (2) required investigations can be conducted, and (3) required annual or revalidation reports can be submitted to NASA Headquarters. All requested information must be submitted in a timely manner in accordance with instructions provided by JSC or any other center to be visited.

(End of clause)

G.13 JSC HAZARDOUS MATERIALS USE (JSC 52.223-92) (DEC 1999)

(a) This clause is JSC-unique, and the requirements are in addition to any U.S. Environmental Protection Agency, U.S. Occupational Safety and Health Administration, or other state or Federal regulation or statute. Therefore, the following requirements do NOT supercede any statutory or regulatory requirements for any entity subject to this clause.

(b) "Hazardous materials," for the purposes of this clause, consist of the following:

(1) Those materials defined as "highly hazardous chemicals" in Occupational Safety and Health Administration Process Safety Management Regulation, 29 Code of Federal Regulation 1010.119, without regard for quantity.

(2) Those "extremely hazardous substances" subject to the emergency planning requirements in the Environmental Protection Agency Emergency Planning and Community Right-to-Know Regulation, 40 Code of Federal Regulation 355, Part 355, without regard for quantity.

(3) Those "hazardous substances" subject to the release notification requirements under Environmental Protection Agency's Emergency Planning and Community Right-to-Know Regulation, 40 Code of Federal Regulation 302.4, without regard for quantity.

(4) Any radioisotope material or device that produces ionizing radiation.

(5) Any Class II, III, or IV laser as defined by the American National Standards Institute No. Z136.1 (1986)

(6) Any explosive or any pyrotechnics.

(7) Any pesticide.

(c) The Contractor shall develop and maintain an inventory listing the identity and quantity of hazardous materials stored or used onsite at JSC for the performance of the contract.

(d) The Contractor shall ensure that the proper training of its employees in the use and inherent hazards of these materials is accomplished prior to use.

(e) The Contractor shall notify the Clinical Services Branch (SD3) prior to any initial use or different application of these materials.

(f) The Contractor shall use all hazardous materials properly and take all necessary precautions to ensure no harm is done to humans or the environment.

(g) The Contractor shall insert the substance of this clause, including this Paragraph F with appropriate changes of designations of the parties, in subcontracts under which hazardous materials will be utilized, or may reasonably be expected to be utilized, onsite at JSC.

(h) In the event the Contractor fails or refuses to comply with any aspect of this clause, such failure or refusal may be considered a material breach of this contract.

(End of clause)

G.14 IDENTIFICATION OF EMPLOYEES (JSC 52.242-92) (OCT 2006)

At all times while on Government property, the contractor, subcontractors, their employees, and agents shall wear badges which will be issued by the NASA Badging & Visitor Control Office, located in Building 110 at the Johnson Space Center (JSC), or at the Main Gate at the White Sands Test Facility (WSTF). JSC employee credentials and visitor badges will be issued only between the hours of 6:00 a.m. to 7:30 p.m., Monday through Friday, and 7:30 am to 3:00 pm on Saturday. WSTF employee badges will be issued only between the hours of 8 a.m. to 2 p.m., Monday through Friday. WSTF visitor badges will be issued on a 7-day-a-week, 24-hour-a-day basis. Resident aliens and foreign nationals/representatives shall be issued green foreign national badges.

Each individual who wears a badge shall be required to sign personally for the badge. The contractor shall be held accountable for issued badges and all other related items and must assure that they are returned to the NASA Badging & Visitor Control Offices upon completion of work under the contract in accordance with Security Management Directive (SMD) 500-15, "Security Termination Procedures." Failure to comply with the NASA contractor termination procedures upon completion of the work (e.g., return of badges, decals, keys, Controlled Access Area cards, clearance terminations, JSC Public Key Infrastructure (PKI)/special program deletions, etc.) may result in final payment being delayed.

(End of clause)

G.15 NASA RECORDS MANAGEMENT

The Contractor shall create, maintain, preserve and dispose of NASA records in accordance with NPR 1441.1 NASA Records Retention Schedule and JPR 1440.3, JSC Files and Records Management Procedures.

(End of clause)

G.16 SUBMISSION OF INVOICES

Invoices shall be prepared and submitted in triplicate unless otherwise specified. Invoices shall contain the following information as applicable: Contract and Task Order number, contract line item number(s) (CLIN), unit prices per (CLIN), quantities per CLIN, description of supplies or services, and extended totals. Invoices shall be submitted to:

NASA Lyndon B. Johnson Space Center
Attn: Contracting Officer
Mail Code: BJ4
2101 NASA Parkway
Houston, TX 77058-3696

In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate invoice for the amount withheld will be required before payment for that amount may be made.

(End of clause)

[END OF SECTION]

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE

None included by reference.

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE
1852.208-81	NOV 1984	RESTRICTIONS ON PRINTING AND DUPLICATING
1852.223-75	FEB 2002	MAJOR BREACH OF SAFETY OR SECURITY
1852.225-70	FEB 2000	EXPORT LICENSES Insert in Paragraph (b): NASA Johnson Space Center
1852.223-76	JULY 2003	FEDERAL AUTOMATIVE STATISTICAL TOOL REPORTING

H.2 TASK ORDERING PROCEDURE (NFS 1852.216-80) (OCT 1996) (ALTERNATE I) (OCT 1996)

(a) Only the Contracting Officer may issue task orders to the Contractor, providing specific authorization or direction to perform work within the scope of the contract and as specified in the schedule. The Contractor may incur costs under this contract in performance of task orders and task order modifications issued in accordance with this clause. No other costs are authorized unless otherwise specified in the contract or expressly authorized by the Contracting Officer.

(b) Prior to issuing a task order, the Contracting Officer shall provide the Contractor with the following data:

(1) A functional description of the work identifying the objectives or results desired from the contemplated task order.

(2) Proposed performance standards to be used as criteria for determining whether the work requirements have been met.

(3) A request for a task plan from the Contractor to include the technical approach, period of performance, appropriate cost information, and any other information required to determine the reasonableness of the Contractor's proposal.

(c) Within 10 calendar days after receipt of the Contracting Officer's request, the Contractor shall submit a task plan conforming to the request.

(d) After review and any necessary discussions, the Contracting Officer may issue a task order to the Contractor containing, as a minimum, the following:

(1) Date of the order.

(2) Contract number and order number.

(3) Functional description of the work identifying the objectives or results desired from the task order, including special instructions or other information necessary for performance of the task.

(4) Performance standards, and where appropriate, quality assurance standards.

(5) Maximum dollar amount authorized (cost and fee or price). This includes allocation of award fee among award fee periods, if applicable.

(6) Any other resources (travel, materials, equipment, facilities, etc.) authorized.

(7) Delivery/performance schedule including start and end dates.

(8) If contract funding is by individual task order, accounting and appropriation data.

(e) The Contractor shall provide acknowledgment of receipt to the Contracting Officer within 2 calendar days after receipt of the task order.

(f) If time constraints do not permit issuance of a fully defined task order in accordance with the procedures described in paragraphs (a) through (d), a task order which includes a ceiling price may be issued.

(g) The Contracting Officer may amend tasks in the same manner in which they were issued.

(h) In the event of a conflict between the requirements of the task order and the Contractor's approved task plan, the task order shall prevail.

(i) Contractor shall submit monthly task order progress reports. As a minimum, the reports shall contain the following information:

(1) Contract number, task order number, and date of the order.

(2) Task ceiling price.

(3) Cost and hours incurred to date for each issued task.

(4) Costs and hours estimated to complete each issued task.

(5) Significant issues/problems associated with a task.

(6) Cost summary of the status of all tasks issued under the contract.

(End of clause)

H.3 SAFETY AND HEALTH (NFS 1852.223-70) (APR 2002)

(a) Safety is the freedom from those conditions that can cause death, injury, occupational illness, damage to or loss of equipment or property, or damage to the environment. NASA's safety priority is to protect: (1) the public, (2) astronauts and pilots, (3) the NASA workforce (including contractor employees working on NASA contracts), and (4) high-value equipment and property.

(b) The Contractor shall take all reasonable safety and occupational health measures in performing this contract. The Contractor shall comply with all Federal, State, and local laws applicable to safety and occupational health and with the safety and occupational health standards, specifications, reporting requirements, and any other relevant requirements of this contract.

(c) The Contractor shall take, or cause to be taken, any other safety, and occupational health measures the Contracting Officer may reasonably direct. To the extent that the Contractor may be entitled to an equitable adjustment for those measures under the terms and conditions of this contract, the equitable adjustment shall be determined pursuant to the procedures of the changes clause of this contract; provided, that no adjustment shall be made under this Safety and Health clause for any change for which an equitable adjustment is expressly provided under any other clause of the contract.

(d) The Contractor shall immediately notify and promptly report to the Contracting Officer or a designee any accident, incident, or exposure resulting in fatality, lost-time occupational injury, occupational disease, contamination of property beyond any stated acceptable limits set forth in the contract Schedule; or property loss of $25,000 or more, or Close Call (a situation or occurrence with no injury, no damage or only minor damage (less than $1,000) but possesses the potential to cause any type mishap, or any injury, damage, or negative mission impact) that may be of immediate interest to NASA, arising out of work performed under this contract. The Contractor is not required to include in any report an expression of opinion as to the fault or negligence of any employee. In addition, service contractors (excluding construction contracts) shall provide quarterly reports specifying lost-time frequency rate, number of lost-time injuries, exposure, and accident/incident dollar losses as specified in the contract Schedule.

(e) The Contractor shall investigate all work-related incidents, accidents, and Close Calls, to the extent necessary to determine their causes and furnish the Contracting Officer a report, in such form as the Contracting Officer may require, of the investigative findings and proposed or completed corrective actions.

(f)(1) The Contracting Officer may notify the Contractor in writing of any noncompliance with this clause and specify corrective actions to be taken. When the Contracting Officer becomes aware of noncompliance that may pose a serious or imminent danger to safety and health of

the public, astronauts and pilots, the NASA workforce (including contractor employees working on NASA contracts), or high value mission critical equipment or property, the Contracting Officer shall notify the Contractor orally, with written confirmation. The Contractor shall promptly take and report any necessary corrective action.

(2) If the Contractor fails or refuses to institute prompt corrective action in accordance with subparagraph (f)(1) of this clause, the Contracting Officer may invoke the stop-work order clause in this contract or any other remedy available to the Government in the event of such failure or refusal.

(g) The Contractor (or subcontractor or supplier) shall insert the substance of this clause, including this paragraph (g) and any applicable Schedule provisions and clauses, with appropriate changes of designations of the parties, in all solicitations and subcontracts of every tier, when one or more of the following conditions exist:

(1) The work will be conducted completely or partly on premises owned or controlled by the Government.

(2) The work includes construction, alteration, or repair of facilities in excess of the simplified acquisition threshold.

(3) The work, regardless of place of performance, involves hazards that could endanger the public, astronauts and pilots, the NASA workforce (including Contractor employees working on NASA contracts), or high value equipment or property, and the hazards are not adequately addressed by Occupational Safety and Health Administration (OSHA) or Department of Transportation (DOT) regulations (if applicable).

(4) When the Contractor (or subcontractor or supplier) determines that the assessed risk and consequences of a failure to properly manage and control the hazard(s) warrants use of the clause.

(h) The Contractor (or subcontractor or supplier) may exclude the provisions of paragraph (g) from its solicitation(s) and subcontract(s) of every tier when it determines that the clause is not necessary because the application of the OSHA and DOT (if applicable) regulations constitute adequate safety and occupational health protection. When a determination is made to exclude the provisions of paragraph (g) from a solicitation and subcontract, the Contractor must notify and provide the basis for the determination to the Contracting Officer. In subcontracts of every tier above the micro-purchase threshold for which paragraph (g) does not apply, the Contractor (or subcontractor or supplier) shall insert the substance of paragraphs (a), (b), (c), and (f) of this clause).

(i) Authorized Government representatives of the Contracting Officer shall have access to and the right to examine the sites or areas where work under this contract is being performed in order to determine the adequacy of the Contractor's safety and occupational health measures under this clause.

(j) The contractor shall continually update the safety and health plan when necessary. In particular, the Contractor shall furnish a list of all hazardous operations to be performed, and a list of other major or key operations required or planned in the performance of the contract, even though not deemed hazardous by the Contractor. NASA and the Contractor shall jointly

decide which operations are to be considered hazardous, with NASA as the final authority. Before hazardous operations commence, the Contractor shall submit for NASA concurrence --

(1) Written hazardous operating procedures for all hazardous operations; and/or

(2) Qualification standards for personnel involved in hazardous operations.

(End of clause)

H.4 LIMITATION OF FUNDS (FIXED PRICE CONTRACT) (NFS 1852.232-77) (MAR 1989)

(a) Of the total price of items in Task Order 1 – Task Order TBD, the sum of b4 is presently available for payment and allotted to this contract. It is anticipated that from time to time additional funds will be allocated to the contract in accordance with the following schedule, until the total price of said items is allotted:

b4

(b) The Contractor agrees to perform or have performed work on the items specified in paragraph (a) of this clause up to the point at which, if this contract is terminated pursuant to the Termination for Convenience of the Government clause of this contract, the total amount payable by the Government (including amounts payable for subcontracts and settlement costs) pursuant to paragraphs (f) and (g) of that clause would, in the exercise of reasonable judgment by the Contractor, approximate the total amount at the time allotted to the contract. The Contractor is not obligated to continue performance of the work beyond that point. The Government is not obligated in any event to pay or reimburse the Contractor more than the amount from time to time allotted to the contract, anything to the contrary in the Termination for Convenience of the Government clause notwithstanding.

(c)(1) It is contemplated that funds presently allotted to this contract will cover the work to be performed until August 1, 2009.

(2) If funds allotted are considered by the Contractor to be inadequate to cover the work to be performed until that date, or an agreed date substituted for it, the Contractor shall notify the Contracting Officer in writing when within the next 60 days the work will reach a point at which, if the contract is terminated pursuant to the Termination for Convenience of the Government clause of this contract, the total amount payable by the Government (including amounts payable for subcontracts and settlement costs) pursuant to paragraphs (f) and (g) of that clause will approximate 75 percent of the total amount then allotted to the contract.

(3)(i) The notice shall state the estimate when the point referred to in paragraph (c)(2) of this clause will be reached and the estimated amount of additional funds required to continue performance to the date specified in paragraph (c)(1) of this clause, or an agreed date substituted for it.

(ii) The Contractor shall, 60 days in advance of the date specified in paragraph (c)(1) of this clause, or an agreed date substituted for it, advise the Contracting Officer in writing as to the estimated amount of additional funds required for the timely performance of the contract for a further period as may be specified in the contract or otherwise agreed to by the parties.

(4) If, after the notification referred to in paragraph (c)(3)(ii) of this clause, additional funds are not allotted by the date specified in paragraph (c)(1) of this clause, or an agreed date substituted for it, the Contracting Officer shall, upon the Contractor's written request, terminate this contract on that date or on the date set forth in the request, whichever is later, pursuant to the Termination for Convenience of the Government clause.

(d) When additional funds are allotted from time to time for continued performance of the work under this contract, the parties shall agree on the applicable period of contract performance to be covered by these funds. The provisions of paragraphs (b) and (c) of this clause shall apply to these additional allotted funds and the substituted date pertaining to them, and the contract shall be modified accordingly.

(e) If, solely by reason of the Government's failure to allot additional funds in amounts sufficient for the timely performance of this contract, the Contractor incurs additional costs or is delayed in the performance of the work under this contract, and if additional funds are allotted, an equitable adjustment shall be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the items to be delivered, or in the time of delivery, or both.

(f) The Government may at any time before termination, and, with the consent of the Contractor, after notice of termination, allot additional funds for this contract.

(g) The provisions of this clause with respect to termination shall in no way be deemed to limit the rights of the Government under the default clause of this contract. The provisions of this Limitation of Funds clause are limited to the work on and allotment of funds for the items set forth in paragraph (a) of this clause. This clause shall become inoperative upon the allotment of funds for the total price of said work except for rights and obligations then existing under this clause.

(h) Nothing in this clause shall affect the right of the Government to terminate this contract pursuant to the Termination for Convenience of the Government clause of this contract.

(End of clause)

H.5 KEY PERSONNEL AND FACILITIES (NFS 1852.235-71) (MAR 1989)

(a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the Contractor shall (1) notify the Contracting Officer reasonably in advance and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.

(b) The Contractor shall make no diversion without the Contracting Officer's written consent; provided, that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.

(c) The list of personnel and/or facilities (shown below or as specified in the contract Schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

b4

(End of clause)

H.6 OBSERVANCE OF LEGAL HOLIDAYS (NFS 1852.242-72) (AUG 1992) (ALT I) (SEP 1989)

(a) The on-site Government personnel observe the following holidays:

New Year's Day
Labor Day
Martin Luther King, Jr.'s Birthday
Columbus Day
President's Day
Veterans Day
Memorial Day
Thanksgiving Day
Independence Day
Christmas Day

Any other day designated by Federal statute, Executive order, or the President's proclamation.

(b) When any holiday falls on a Saturday, the preceding Friday is observed. When any holiday falls on a Sunday, the following Monday is observed. Observance of such days by Government personnel shall not by it self be cause for an additional period of performance or entitlement of compensation except as set forth within the contract.

(c) On-site personnel assigned to this contract shall not be granted access to the installation during the holidays in paragraph (a) of the clause, except as follows: the Contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative. If the Contractor's on-site personnel work during a holiday other than those in paragraph (a) of this clause, no form of holiday or other premium compensation shall be reimbursed. However, this does not preclude reimbursement for authorized overtime work that would have been overtime regardless of the status of the day as a holiday.

(d) The Contractor shall place identical requirements, including this paragraph, in all subcontracts that require performance of work on-site, unless otherwise instructed by the Contracting Officer.

(End of clause)

H.7 HANDLING OF DATA

It is anticipated that in performance of this contract, the Contractor may have access to and use of NASA's sensitive financial and management data. The Contractor agrees that it will not use, copy, or disclose this data, except as necessary for the performance of the contract and will not disclose this data to others without the written consent of the Contracting Officer.

(End of clause)

H.8 POTENTIAL CONFLICT OF INTEREST

1. In performing work under this contract, the Contractor may be required to inspect, evaluate, assess, critique, review or perform other similar services with respect to products or services provided by the Contractor under other NASA contracts. The occurrence of situations of this kind could possibly cause the Contractor's judgment to be influenced favorably toward such products or services in performing S&MA tasks under this contract. In addition, the Contractor may be required to perform tasks which will affect the quantum or nature of work to be performed by the Contractor under other Government contracts. In order to eliminate or adequately mitigate any conflict of interest which may arise from either of these situations, the prime contractor agrees that it will: (a) provide the Contracting Officer immediate notice in any case where the Contractor learns that it or its subcontractors will either be (i) performing inspection, evaluation, or similar work concerning products and services which Contractor provides to NASA under other NASA contracts, or (ii) developing requirements for the products or services which Contractor may provide under another contract; (b) within 7 calendar days after providing such notice to the Government, submit to the Contracting Officer for approval a proposed plan of action for eliminating or adequately mitigating the conflict identified (and subsequently submit any modifications to such plan as may be requested by the Contracting Officer); and (c) implement the plan of action as approved by the Contracting Officer. The Contractor shall not undertake the performance of work for which notice has been given until the prime Contractor's plan has been approved, unless the Contracting Officer authorized the prime Contractor to proceed with the work pending approval. Where the term "Contractor" is used in this clause, it shall be deemed to mean the prime contractor, and any subcontractor, except in the instance where the term "prime contractor" is specifically used.

2. Notwithstanding any other provision of this clause, if the Contractor develops complete specifications or statements of work under this contract for nondevelopmental items, and such specifications or statements of work are incorporated into a subsequent NASA solicitation, the Contractor shall be ineligible to furnish the items described in such solicitation. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the prime Contractor (or determined by the Contracting Officer in the event the parties are unable to agree), sufficient to avoid unfair competitive advantage or potential bias. The Contractor shall not be eligible in any case to compete for the initial contract, including any options, for nondevelopmental items for which Contractor has prepared complete specifications or statements of work. NASA shall not unilaterally require the prime Contractor to prepare such specifications or statements or work under this contract.

3. In addition to any data which the Contractor may be given or have access to that is marked and subject to subparagraph (d)(2) of the "Rights in Data—General" clause of this contract, it is also anticipated that in the performance of this contract, the Contractor may generate, have access to, or be provided for review for the performance of the contract tasks, data which is intended to be used, or may reasonably be expected to be used, in a future NASA procurement. Such data may include, by way of illustration but not limitation, statement of requirements, draft statements of work, draft specifications or data relating to breadboards or engineering models. The Contractor agrees that it will not use, copy or disclose such data, or any other data of the same general kind, except to the extent necessary to perform the work under this contract, and will not make any other use or disclosure of such data without specific written permission of the Contracting Officer.

4. To the extent that the work under this contract requires access to proprietary, business confidential, or financial data or other companies, and as long as these data remain proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with other companies.

5. The Contractor agrees to include the substantive provisions of this clause in any subcontracts, appropriately modified to reflect a prime-subcontract relationship.

(End of clause)

H. 9 PHASE-IN AND PHASE-OUT

Contractor Phase-In. The services provided by this contract are vital to the Government's overall effort and continuity must be maintained at a consistently high level without interruption. The contractor is expected to meet full performance requirements from the start date of the base contract period. The phase-in period shall be approximately 45 calendar days prior to the start date of the base contract period. Office space will not be provided by the Government during the phase-in period. The contractor shall support a weekly meeting with the preceding contractor(s) to discuss/identify problems or areas requiring attention during this phase-in period. The contractor shall provide phase-in services in accordance with Section J, Attachment 8, Phase-In Plan.

Also, the contractor shall phase-out at contract end in a cooperative manner with the Government and new contractor to allow for continuity of services and a smooth transition (See FAR 52.237-3, Continuity of Services; and Award Fee Plan (Section J Attachment 4)).

(End of clause)

H.10 ASSOCIATE CONTRACTOR AGREEMENT (ACA)

A. The success of the Safety and Mission Assurance Directorate (S&MA) depends on the efforts of multiple Contractors. The Center Institutional Safety Services Contractor is a key participant. The other Contracts of the key participating "associate" Contractors are:

Environmental Support Services Contract	Contract Number NNJ08JB01C

Facilities Operations Support Services Contract	Contract Number NNJ08JA02C
Facilities Project Management & Engineering Support Services Contract	Contract Number NNJ08JC50C
Occupational Medicine Occupational Health Contract	Contract Number NNJ06HB47C
Protective Services Contract	Contract Number NNX08AA12B

The CISS contractor shall establish ACAs with other JSC contracts if it becomes apparent to the CISS contractor or the Safety and Test Operations Division during the course of the contract that a significant interface exists.

Under the aforementioned Contracts, the Contractors will provide the necessary technical and operational processes and services required to support Safety and Mission Assurance.

B. To achieve the efficient and effective mission support required of center operations for Safety and Mission Assurance, the Contractor shall establish the means for coordination and exchange of information with associate Contractors. The information to be exchanged shall be information required by the associate Contractors in the execution of their respective Contract requirements. The associate Contractors are strongly encouraged to seek out and foster cooperative efforts and goodwill in a manner that will benefit center operations with increased safety, efficiency, and productivity.

C. Given the unique role of this Contract for safety and fire protection system maintenance at JSC, the Contractor will engage in cooperative relationships that facilitate effective management of overall center operations. This joint cooperation will be evaluated as part of the Contract award-fee process, as defined in the Award Fee Plan in Section J of this Contract. Successful performance of the Contractor will be determined by the Government's assessment of the overall and combined performance of the requirements of the associate Contracts. This clause will be effective from the Contract start date throughout the duration of the Contract.

D. To ensure successful operability of the Center, the associate Contractors shall establish formal guidelines to address coordination, cooperation, and communication. All program elements shall work in a coordinated fashion. Each associate Contractor shall establish the means for the exchange of such data and communications as needed in order to keep other project elements fully informed.

(End of Clause)

H.11 REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

This contract incorporates Section K, Representations, Certifications, and Other Statements of Offerors, as set forth in the Contractor's proposal for RFP NNJ08239192R dated February 13, 2009, by reference, with the same force and effect as if it were given in full text.

(End of Clause)

H.12 CLOSURE OF FACILITIES

In the event of a closure of the center whereby the contractor is unable to gain access to their workplace, the contractor may submit a request for equitable adjustment for the impact of the closure. The request should provide adequate documentation and supporting rationale to justify the request for payment due to the closure.

(End of Clause)

H.13 ADMINISTRATIVE LEAVE (52.242-94) (SEP 2008) (JSC)

(a) When the NASA installation grants administrative leave to its Government employees (e.g., as a result of inclement weather, potentially hazardous conditions, or other special circumstances), the following personnel should also be dismissed upon notification of a center closure provided by the Contracting Officer:

1. Contractor personnel working on-site; and

2. Contractor personnel dedicated to the contract effort who are

    A. working off-site within 10 miles of JSC; and

    B. unable to perform their NASA contract duties at their off-site location because their normal place of business has been or is expected to be negatively impacted by an emergency situation (e.g. has sustained damage, has been evacuated, etc.).

However, the contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative.

(b) Administrative leave granted under this clause shall be subject to modification or termination by the Contracting Officer and in all instances shall be subject to the availability of funds. The cost of salaries and wages to the Contractor for the period of any such excused absence shall be a reimbursable item of cost under this contract for effected employees in accordance with the Contractor's established accounting policy.

1. If a labor hour-based contract, administrative leave granted under this clause shall be accounted for consistent with productive hours under this contract for employees in accordance with the Contractor's established accounting policy.

2. For fixed price contracts based on other than labor hours for deliverables, the Contracting Officer and Contractor shall as a precondition to any reimbursement negotiate an advanced agreement to determine the appropriate method in which to grant administrative leave under this clause.

3. All invoices requesting payment under this clause shall be marked as "Administrative Leave in accordance with 52.242-94, Administrative Leave." All such invoices paid will be subject to review, audit, and revision when routine operations re-commence.

(c) The Contractor shall include this clause in all services subcontracts that include personnel in the categories described in (a) above.

(End of clause)

H.14 NO-COST CONTRACTOR PROPOSED INITIATIVES

The contractor shall use the following in performance of this contract at no cost to the Government:

1) Cross-train Test Safety Officers (TSO's) in the areas of Mishap Investigation and Safety Engineering Functions to allow a more single point of contact for activities at JSC test facilities.
2) Implement a contractor-developed Mishap Certification process for all engineers. The certification process requires completing identified training; reviewing contractor and NASA procedural documents; receiving on-the-job training in mishap, close call and safety action hotline investigations; and successfully passing a comprehensive examination.
3) Provide and utilize a fire protection preventive maintenance database to schedule all fire protection preventive maintenance with the testing and inspections based on the NFPA code and manufacture requirements.
4) Provide enhancements to the existing Lock Out/Tag Out database to include additional fields for trending; enhanced menu; an assigned lock function to allow the user to select the type of lock to assign and then alert the user when the lock has been assigned; pre-populating POC information; a new search feature to allow multi-field searches; and search and reporting in a single form for a user-friendly approach.

[END OF SECTION]

PART II - CONTRACT CLAUSES

SECTION I - CONTRACT CLAUSES

I.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.202-1	JUL 2004	DEFINITIONS
52.203-3	APR 1984	GRATUITIES
52.203-5	APR 1984	COVENANT AGAINST CONTINGENT FEES
52.203-6	SEP 2006	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT
52.203-7	JUL 1995	ANTI-KICKBACK PROCEDURES
52.203-8	JAN 1997	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-10	JAN 1997	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-12	SEP 2007	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
52.203-13	DEC 2008	CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT
52.203-14	DEC 2007	DISPLAY OF HOTLINE POSTER(S)
52.204-4	AUG 2000	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER
52.204-7	JUL 2006	CENTRAL CONTRACTOR REGISTRATION
52.209-6	SEP 1996	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.215-2	JUN 1999	AUDIT AND RECORDS--NEGOTIATION
52.215-8	OCT 1997	ORDER OF PRECEDENCE - UNIFORM CONTRACT FORMAT
52.215-11	OCT 1997	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA—MODIFICATIONS
52.215-13	OCT 1997	SUBCONTRACTOR COST OR PRICING DATA - MODIFICATIONS
52.215-15	OCT 2004	PENSION ADJUSTMENTS AND ASSET REVERSIONS
52.215-18	JUL 2005	REVERSION OR ADJUSTMENT OF PLANS FOR

		POST RETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS
52.215-21	OCT 1997	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA -- MODIFICATIONS (ALTERNATE IV) (OCT 1997)
52.216-4	JAN 1997	ECONOMIC PRICE ADJUSTMENT – LABOR AND MATERIAL
52.216-7	DEC 2002	ALLOWABLE COST AND PAYMENT
52.217-8	NOV 1999	OPTION TO EXTEND SERVICES (insert 30 days)
52.219-8	MAY 2004	UTILIZATION OF SMALL BUSINESS CONCERNS
52.219-14	DEC 1996	LIMITATION ON SUBCONTRACTING
52.219-28	JUN 2007	POST-AWARD SMALL BUSINESS PROGRAM REPRESENTATION
52.222-1	FEB 1997	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES
52.222-3	JUN 2003	CONVICT LABOR
52.222-4	JUL 2005	CONTRACT WORK HOURS AND SAFETY STANDARDS ACT - OVERTIME COMPENSATION
52.222-19	FEB 2008	CHILD LABOR—COOPERATION WITH AUTHORITIES AND REMEDIES
52.222-21	FEB 1999	PROHIBITION OF SEGREGATED FACILITIES
52.222-26	MAR 2007	EQUAL OPPORTUNITY
52.222-29	JUN 2003	NOTIFICATION OF VISA DENIAL
52.222-35	SEP 2006	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA AND OTHER ELIGIBLE VETERANS
52.222-36	JUN 1998	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES
52.222-37	SEP 2006	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA AND OTHER ELIGIBLE VETERANS
52.222-41	NOV 2007	SERVICE CONTRACT ACT OF 1965
52.222-43	NOV 2006	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT – PRICE ADJUSTMENT
52.222-50	AUG 2007	COMBATING TRAFFICKING IN PERSONS
52.222-54	JAN 2009	EMPLOYMENT ELIGIBILITY VERIFICATION
52.223-5	AUG 2003	POLLUTION PREVENTION AND RIGHT- TO-KNOW INFORMATION
52.223-6	MAY 2001	DRUG-FREE WORKPLACE
52.223-10	AUG 2000	WASTE REDUCTION PROGRAM
52.223-12	MAY 1995	REFRIGERATION EQUIPMENT AND AIR CONDITIONERS
52.223-14	AUG 2003	TOXIC CHEMICAL RELEASE REPORTING
52.223-15	DEC 2007	ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS
52.223-17	MAY 2008	AFFIRMATIVE PROCUREMENT OF EPA-DESIGNATED ITEMS IN SERVICE AND CONSTRUCTION CONTRACTS
52.224-1	APR 1984	PRIVACY ACT NOTIFICATION

52.224-2	APR 1984	PRIVACY ACT
52.225-1	JUN 2003	BUY AMERICAN ACT – SUPPLIES
52.225-8	FEB 2000	DUTY-FREE ENTRY
52.225-13	JUN 2008	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES
52.227-1	DEC 2007	AUTHORIZATION AND CONSENT
52.227-2	DEC 2007	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
52.228-5	JAN 1997	INSURANCE – WORK ON A GOVERNMENT INSTALLATION
52.228-7	MAR 1996	INSURANCE - LIABILITY TO THIRD PERSONS
52.229-3	APR 2003	FEDERAL, STATE, AND LOCAL TAXES
52.232-7	FEB 2007	PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR HOUR CONTRACTS
52.232-8	FEB 2002	DISCOUNTS FOR PROMPT PAYMENT
52.232-17	OCT 2008	INTEREST
52.232-18	APR 1984	AVAILABILITY OF FUNDS
52.232-23	JAN 1986	ASSIGNMENT OF CLAIMS
52.232-25	OCT 2008	PROMPT PAYMENT
52.232-34	MAY 1999	PAYMENT BY ELECTRONIC FUNDS TRANSFER-OTHER THAN CENTRAL CONTRACTOR REGISTRATION
52.233-1	JUL 2002	DISPUTES (ALTERNATE I) (DEC 1991)
52.233-3	AUG 1996	PROTEST AFTER AWARD
52.233-4	OCT 2004	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM
52.237-2	APR 1984	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION
52.237-3	JAN 1991	CONTINUITY OF SERVICES
52.239-1	AUG 1996	PRIVACY OR SECURITY SAFEGARDS
52-242-3	MAY 2001	PENALTIES FOR UNALLOWABLE COSTS
52.242-13	JUL 1995	BANKRUPTCY
52.243-3	SEP 2000	CHANGES – TIME-AND-MATERIALS OR LABOR-HOURS
52.244-2	JUN 2007	SUBCONTRACTS
52.244-5	DEC 1996	COMPETITION IN SUBCONTRACTING
52.244-6	MAR 2007	SUBCONTRACT FOR COMMERCIAL ITEMS
52.245-1	JUN 2007	GOVERNMENT PROPERTY
52.245-2	JUN 2007	GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES
52.245-9	JUN 2007	USES AND CHARGES
52.246-25	FEB 1997	LIMITATION OF LIABILITY—SERVICES
52.247-63	JUN 2003	PREFERENCE FOR U.S. FLAG AIR CARRIERS
52.248-1	FEB 2000	VALUE ENGINEERING
52.249-2	MAY 2004	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)
52.249-8	APR 1984	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)
52.249-14	APR 1984	EXCUSABLE DELAYS
52.251-1	APR 1984	GOVERNMENT SUPPLY SOURCES
52.251-2	JAN 1991	INTERAGENCY FLEET MANAGEMENT SYSTEM

		VEHICLES AND RELATED SERVICES
52.253-1	JAN 1991	COMPUTER GENERATED FORMS

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

CLAUSE NUMBER	DATE	TITLE
1852.219-74	SEP 1990	USE OF RURAL AREA SMALL BUSINESSES
1852.223-74	MAR 1996	DRUG AND ALCOHOL FREE WORKFORCE
1852.225-70	FEB 2000	EXPORT LICENSES (ALT I) (FEB 2000)
1852.228-75	OCT 1988	MINIMUM INSURANCE COVERAGE
1852.237-70	DEC 1988	EMERGENCY EVACUATION PROCEDURES
1852.242-78	APR 2001	EMERGENCY MEDICAL SERVICES AND EVACUATION
1852.243-71	MAR 1997	SHARED SAVINGS

I.2 APPROVAL OF CONTRACT (FAR 52.204-1) (DEC 1989)

This contract is subject to the written approval of the Johnson Space Center Procurement Officer and shall not be binding until so approved.

(End of clause)

I.3 PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (52.204-9) (SEP 2007)

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24 and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall insert this clause in all subcontracts when the subcontractor is required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system.

PIV Card Issuance Procedures in accordance with FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel

FIPS 201 Appendix A graphically displays the following procedure for the issuance of a PIV credential.

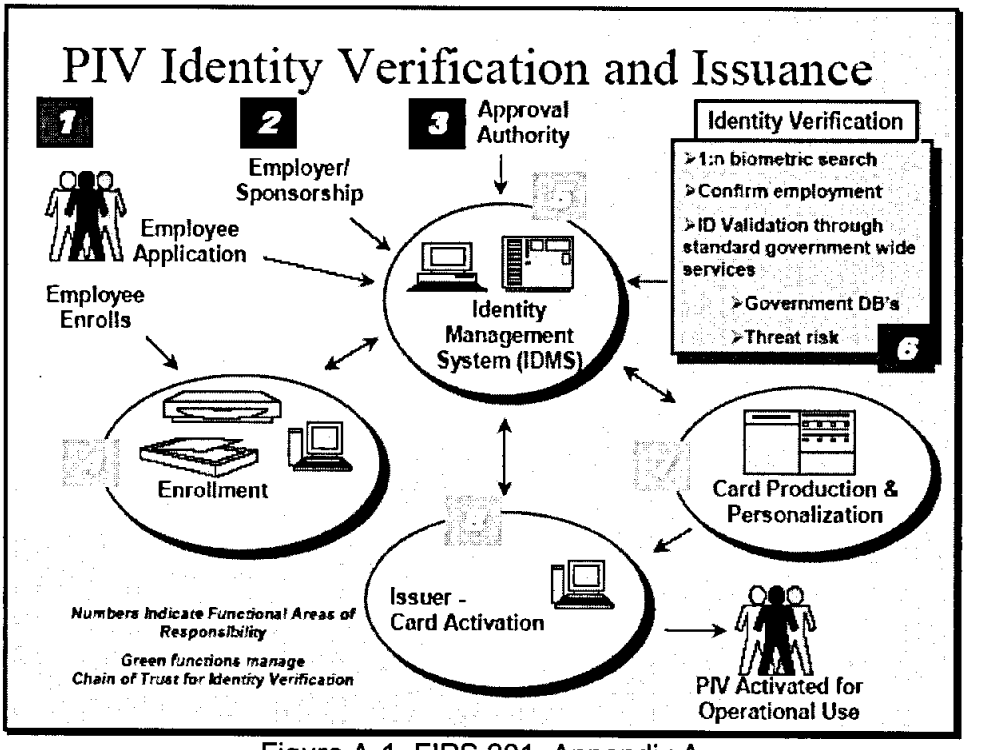


Figure A-1, FIPS 201, Appendix A

The following steps describe the procedures for the NASA Personal Identity Verification Card Issuance (PCI) of a PIV credential:

Step 1:
The Contractor's Corporate Security Officer (CSO), Program Manager (PM), or Facility Security Officer (FSO) submits a formal letter that provides a list of contract employees (applicant) names requesting access to the NASA Contracting Officer's Technical Representative (COTR). In the case of a foreign national applicant, approval through the NASA Foreign National Management System (NFNMS) must be obtained for the visit or assignment before any processing for a PIV credential can take place. Further, if the foreign national is not under a contract where a COTR has been officially designated, the foreign national will provide the information directly to their visit/assignment host, and the host sponsor will fulfill the duties of the COTR mentioned herein. In each case, the letter shall provide notification of the contract or foreign national employee's (hereafter the "applicant") full name (first, middle and last), social security number (SSN) or NASA Foreign National Management System Visitor Number if the foreign national does not have a SSN, and date of birth. If the contract employee has a current satisfactorily completed National Agency Check with Inquiries (NACI) or an equivalent or higher degree of background investigation, the letter shall indicate the type of investigation, the agency completing the investigation, and date the investigation was completed. Also, the letter must specify the risk/sensitivity level associated with the position in which each applicant will be working (NPR 1600.1, §4.5 is germane) Further, the letter shall also acknowledge that contract employees may be denied access to NASA information or information systems based on an unsatisfactory background investigation/adjudication. .

After reviewing the letter for completeness and concurring with the risk/sensitivity levels, the COTR/host must forward the letter to the Center Chief of Security (CCS). The CCS shall review the OPM databases (e.g., DCII, PIP, et al.), and take appropriate steps to validate the applicant's investigation status. Requirements for a NACI or other investigation shall be initiated only if necessary.

Applicants who do not currently possess the required level of background investigation shall be directed to the e-QIP web site to complete the necessary background investigation forms online. The CCS shall provide to the COTR/host information and instructions on how to access the e-QIP for each contract or foreign national employee requiring access

Step 2:
Upon acceptance of the letter/background information, the applicant will be advised that in order to complete the investigative process, he or she must appear in-person before the authorized PIV registrar and submit two forms of identity source documents in original form. The identity source documents must come from the list of acceptable documents included in Form I-9, Employment Eligibility Verification, one which must be a Federal[1] or State issued picture identification. Fingerprints will be taken at this time. The applicant must appear **no later than** the entry on duty date.

When the applicant appears, the registrar will electronically scan the submitted documents; any document that appears invalid will be rejected by the registrar. The registrar will capture electronically both a facial image and fingerprints of the applicant. The information submitted by the applicant will be used to create or update the applicant identity record in the Identity Management System (IDMS).

Step 3:
Upon the applicant's completion of the investigative document, the CCS reviews the information, and resolves discrepancies with the applicant as necessary. When the applicant has appeared in person and completed fingerprints, the package is electronically submitted to initiate the NACI. The CCS includes a request for feedback on the NAC portion of the NACI at the time the request is submitted.

Step 4:
Prior to authorizing physical access of a contractor employee to a federally-controlled facility or access to a Federal information system, the CCS will ensure that a check has been performed with the National Crime Information Center (NCIC) and Interstate Identification Index. In the case of a foreign national, a national check of the Bureau of Immigration and Customs Enforcement (BICE) database will be performed for each applicant. If this process yields negative information, the CCS will immediately notify the COTR/host of the determination regarding access made by the CCS.

Step 5:
Upon receipt of the completed NAC, the CCS will update IDMS from the NAC portion of the NACI and indicate the result of the suitability determination. If an unsatisfactory suitability determination is rendered, the COTR will advise the contractor that the

[1] A non-PIV government identification badge, including the NASA Photo Identification Badge, MAY NOT BE USED for the original issuance of a PIV vetted credential

employee is being denied physical access to all federally-controlled facilities and Federal information systems.

Based on a favorable NAC and NCIC/III or BICE check, the CCS will authorize the issuance of a PIV federal credential in the Physical Access Control System (PACS) database. The CCS, based on information provided by the COTR/host, will determine what physical access the applicant should be granted once the PIV issues the credential.

Step 6:
Using the information provided by the applicant during his or her in-person appearance, the PIV card production facility creates and instantiates the approved PIV card for the applicant with an activation date commensurate with the applicant's start date.

Step 7:
The applicant proceeds to the credential issuance facility to begin processing for receipt of his/her federal credential.

The applicant provides to the credential issuing operator proof of identity with documentation that meets the requirements of FIPS 201 (DHS Employment Eligibility Verification (Form I-9) documents. These documents **must** be the same documents submitted for registration.

The credential issuing operator will verify that the facial image, and optionally reference finger print, matches the enrollment data used to produce the card. Upon verification of identity, the operator will locate the employee's record in the PACS database, and modify the record to indicate the PIV card has been issued. The applicant will select a PIN for use with his or her new PIV card. Although root data is inaccessible to the operator, certain fields (hair color, eye color, et al.) may be modified to more accurately record the employee's information.

The applicant proceeds to a kiosk or other workstation to complete activation of the PIV card using the initial PIN entered at card issuance.

ALTERNATIVE FOR APPLICANTS WHO DO NOT HAVE A COMPLETED AND ADJUDICATED NAC AT THE TIME OF ENTRANCE ON DUTY

Steps 1 through 4 shall be accomplished for all applicants in accordance with the process described above. If the applicant is unable to appear in person until the time of entry on duty, or does not, for any other reason, have a completed and adjudicated NAC portion of the NACI at the time of entrance on duty, the following interim procedures shall apply.

1. If the documents required to submit the NACI have not been completed prior to EOD, the applicant will be instructed to complete all remaining requirements for submission of the investigation request. This includes presentation of I-9 documents and completion of fingerprints, if not already accomplished. If the applicant fails to complete these activities as prescribed in NPR 1600.1 (Chapters 3 & 4), it may be considered as failure to meet the conditions required

for physical access to a federally-controlled facility or access to a Federal information system, and result in denial of such access.

2. Based on favorable results of the NCIC, the applicant shall be issued a temporary NASA identification card for a period not-to-exceed six months. If at the end of the six month period the NAC results have not been returned, the agency will at that time make a determination if an additional extension will be granted for the temporary identification card.

3. Upon return of the completed NAC, the process will continue from Step 5.

(End of clause)

I.4 NOTIFICATION OF OWNERSHIP CHANGES (FAR 52.215-19) (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall—

(1) Maintain current, accurate, and complete inventory records of assets and their costs;
(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of clause)

I.5 SPECIAL 8(A) CONTRACT CONDITIONS (FAR 52.219-11) (FEB 1990) (DEVIATION)

a) This contract is issued as a direct award between the contracting activity and the 8(a) contractor pursuant to a Partnership Agreement between the Small Business Administration (SBA) and the National Aeronautics and Space Administration. Accordingly, the SBA is not a party to this contract. SBA does retain responsibility for 8(a) certification, 8(a) eligibility determinations and related issues, and providing counseling and assistance to the 8(a) contractor under the 8(a) program. The cognizant SBA district office is:

The Small Business Administration
Houston District Office
8701 South Gessner Drive, Suite 1200
Houston, TX 77074

(b) The contracting activity is responsible for administering the contract and taking any action on behalf of the Government under the terms and conditions of the contract; provided, however, that the contracting activity shall give advance notice to the SBA before it issues a final notice terminating performance, either in whole or in part, under the contract. The contracting activity shall also coordinate with the SBA prior to processing any novation agreement. The contracting activity may assign contract administration functions to a contract administration office.

(c) The contractor agrees --

(1) To notify the Contracting Officer, simultaneous with its notification to SBA (as required by SBA's 8(a) regulations), when the owner or owners upon whom 8(a) eligibility is based plan to relinquish ownership or control of the concern. Consistent with Section 407 of Public Law 100-656, transfer of ownership or control shall result in termination of the contract for convenience, unless SBA waives the requirement for termination prior to the actual relinquishing of ownership and control; and

(2) It will not subcontract the performance of any of the requirements of this contract without the prior written approval of the SBA and the Contracting Officer.

(End of clause)

I.6 NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A) CONCERNS (FAR 52.219-18) (JUN 2003) (DEVIATION)

(a) Offers are solicited only from small business concerns expressly certified by the Small Business Administration (SBA) for participation in the SBA's 8(a) Program and which meet the following criteria at the time of submission of offer—

(1) The Offeror is in conformance with the 8(a) support limitation set forth in its approved business plan; and

(2) The Offeror is in conformance with the Business Activity Targets set forth in its approved business plan or any remedial action directed by the SBA.

(b) By submission of its offer, the Offeror represents that it meets all of the criteria set forth in paragraph (a) of this clause.

(c) Any award resulting from this solicitation will be made **directly by the Contracting Officer** to the successful 8(a) offeror selected through the evaluation criteria set forth in this solicitation.

(d)(1) *Agreement.* A small business concern submitting an offer in its own name shall furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States or its outlying areas. If this procurement is processed under simplified acquisition procedures and the total amount of this contract does not exceed $25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply to construction or service contracts.

(2) Anadarko Industries, LLC will notify the NASA JSC Contracting Officer in writing immediately upon entering an agreement (either oral or written) to transfer all or part of its stock or other ownership interest to any other party.

(End of clause)

I.7 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (FAR 52.222-39) (DEC 2004)

(a) *Definition.* As used in this clause—
"United States" means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at http://www.nlrb.gov.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to—

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has

waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that—

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall—

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor-Management Standards website at http://www.olms.dol.gov; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

(End of clause)

I.8 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (FAR 52.222-42) (MAY 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only: It is not a Wage Determination

Employee Class	Monetary Wage--Fringe Benefits	
Secretary I	GS-4	$14.33 + Fringe
General Clerk III	GS-3	$12.76 + Fringe
General Clerk III	GS-4	$14.33 + Fringe
Computer Operator I	GS-4	$14.33 + Fringe
Electronics Technician Maintenance, I	WG-8	$20.77 + Fringe
Electronics Technician Maintenance, II	WG-9	$22.18 + Fringe
Electronics Technician Maintenance, III	WG-10	$23.31 + Fringe
Fire Alarm System Mechanic	WG-10	$23.31 + Fringe

(End of clause)

I.9 OZONE-DEPLETING SUBSTANCES (FAR 52.223-11) (MAY 2001)

(a) *Definition.* "Ozone-depleting substance," as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as—

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING

Contains (or manufactured with, if applicable) *_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.
* The Contractor shall insert the name of the substance(s).

(End of clause)

I.10 RIGHTS IN DATA--GENERAL (FAR 52.227-14) (DEC 2007) (ALT II) (DEC 2007) (ALT III) (DEC 2007) (AS MODIFIED BY NFS 1852.227-14)

a) *Definitions.* As used in this clause—

"Computer database" or "database means" a collection of recorded information in a form capable of, and for the purpose of, being stored in, processed, and operated on by a computer. The term does not include computer software.
"Computer software"—

(1) Means

(i) Computer programs that comprise a series of instructions, rules, routines, or statements, regardless of the media in which recorded, that allow or cause a computer to perform a specific operation or series of operations; and

(ii) Recorded information comprising source code listings, design details, algorithms, processes, flow charts, formulas, and related material that would enable the computer program to be produced, created, or compiled.

(2) Does not include computer databases or computer software documentation.
"Computer software documentation" means owner's manuals, user's manuals, installation instructions, operating instructions, and other similar items, regardless of storage medium, that explain the capabilities of the computer software or provide instructions for using the software.

"Data" means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term does not include information incidental to contract administration, such as financial, administrative, cost or pricing, or management information.

"Form, fit, and function data" means data relating to items, components, or processes that are sufficient to enable physical and functional interchangeability, and data identifying source, size, configuration, mating and attachment characteristics, functional characteristics, and performance requirements. For computer software it means data identifying source, functional characteristics, and performance requirements but specifically excludes the source code, algorithms, processes, formulas, and flow charts of the software.

"Limited rights" means the rights of the Government in limited rights data as set forth in the Limited Rights Notice of paragraph (g)(3) if included in this clause.

"Limited rights data" means data, other than computer software, that embody trade secrets or are commercial or financial and confidential or privileged, to the extent that such data pertain to items, components, or processes developed at private expense, including minor modifications.

"Restricted computer software" means computer software developed at private expense and that is a trade secret, is commercial or financial and confidential or privileged, or is copyrighted computer software, including minor modifications of the computer software.

"Restricted rights," as used in this clause, means the rights of the Government in restricted computer software, as set forth in a Restricted Rights Notice of paragraph (g) if included in this clause, or as otherwise may be provided in a collateral agreement incorporated in and made part of this contract, including minor modifications of such computer software.

"Technical data" means recorded information (regardless of the form or method of the recording) of a scientific or technical nature (including computer databases and computer software documentation). This term does not include computer software or financial, administrative, cost or pricing, or management data or other information incidental to contract administration. The term includes recorded information of a scientific or technical nature that is included in computer databases (See 41 U.S.C. 403(8)).

"Unlimited rights" means the rights of the Government to use, disclose, reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, in any manner and for any purpose, and to have or permit others to do so.

(b) Allocation of rights.

(1) Except as provided in paragraph (c) of this clause, the Government shall have unlimited rights in—

(i) Data first produced in the performance of this contract;

(ii) Form, fit, and function data delivered under this contract;

(iii) Data delivered under this contract (except for restricted computer software) that constitute manuals or instructional and training material for installation, operation, or routine maintenance and repair of items, components, or processes delivered or furnished for use under this contract; and

(iv) All other data delivered under this contract unless provided otherwise for limited rights data or restricted computer software in accordance with paragraph (g) of this clause.

(2) The Contractor shall have the right to—

(i) Assert copyright in data first produced in the performance of this contract to the extent provided in paragraph (c)(1) of this clause;

(ii) Use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, unless provided otherwise in paragraph (d) of this clause;

(iii) Substantiate the use of, add, or correct limited rights, restricted rights, or copyright notices and to take other appropriate action, in accordance with paragraphs (e) and (f) of this clause; and

(iv) Protect from unauthorized disclosure and use those data that are limited rights data or restricted computer software to the extent provided in paragraph (g) of this clause.

(c) Copyright—

(1) Data first produced in the performance of this contract.

(i) Unless provided otherwise in paragraph (d) of this clause, the Contractor may, without prior approval of the Contracting Officer, assert copyright in scientific and technical articles based on or containing data first produced in the performance of this contract and published in academic, technical or professional journals, symposia proceedings, or similar works. The prior, express written permission of the Contracting Officer is required to assert copyright in all other data first produced in the performance of this contract.

(ii) When authorized to assert copyright to the data, the Contractor shall affix the applicable copyright notices of 17 U.S.C. 401 or 402, and an acknowledgment of Government sponsorship (including contract number).

(iii) For data other than computer software, the Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license in such copyrighted data to reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly by or on behalf of the Government. For computer software, the Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license in such copyrighted computer software to reproduce, prepare derivative works, and perform publicly and display publicly (but not to distribute copies to the public) by or on behalf of the Government.

(2) *Data not first produced in the performance of this contract.* The Contractor shall not, without the prior written permission of the Contracting Officer, incorporate in data delivered under this contract any data not first produced in the performance of this contract unless the Contractor—
(i) Identifies the data; and

(ii) Grants to the Government, or acquires on its behalf, a license of the same scope as set forth in paragraph (c)(1) of this clause or, if such data are restricted computer software, the Government shall acquire a copyright license as set forth in paragraph (g)(4) of this clause (if included in this contract) or as otherwise provided in a collateral agreement incorporated in or made part of this contract.

(3) *Removal of copyright notices.* The Government will not remove any authorized copyright notices placed on data pursuant to this paragraph (c), and will include such notices on all reproductions of the data.

(d) *Release, publication, and use of data.* The Contractor shall have the right to use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, except—

(1) As prohibited by Federal law or regulation (*e.g.*, export control or national security laws or regulations);

(2) As expressly set forth in this contract; or

(3) If the Contractor receives or is given access to data necessary for the performance of this contract that contain restrictive markings, the Contractor shall treat the data in accordance with such markings unless specifically authorized otherwise in writing by the Contracting Officer.

(i) The Contractor agrees not to establish claim to copyright, publish or release to others any computer software first produced in the performance of this contract without the Contracting Officer's prior written permission.

(ii) If the Government desires to obtain copyright in computer software first produced in the performance of this contract and permission has not been granted as set forth in paragraph (d)(3)(i) of this clause, the Contracting Officer may direct the contractor to assert, or authorize the assertion of, claim to copyright in such data and to assign, or obtain the assignment of, such copyright to the Government or its designated assignee.

(iii) Whenever the word "establish" is used in this clause, with reference to a claim to copyright, it shall be construed to mean "assert".

(4)(i) The Contractor agrees not to establish claim to copyright, publish or release to others any computer software first produced in the performance of this contract without the Contracting Officer's prior written permission.

(ii) If the Government desires to obtain copyright in computer software first produced in the performance of this contract and permission has not been granted as set forth in paragraph (d)(3)(i) of this clause, the Contracting Officer may direct the contractor to assert, or authorize the assertion of, claim to copyright in such data and to assign, or obtain the assignment of, such copyright to the Government or its designated assignee.

(iii) Whenever the word "establish" is used in this clause, with reference to a claim to copyright, it shall be construed to mean "assert".

(e) Unauthorized marking of data.

(1) Notwithstanding any other provisions of this contract concerning inspection or acceptance, if any data delivered under this contract are marked with the notices specified in paragraph (g)(3) or (g) (4) if included in this clause, and use of the notices is not authorized by this clause, or if the data bears any other restrictive or limiting markings not authorized by this contract, the Contracting Officer may at any time either return the data to the Contractor, or cancel or ignore the markings. However, pursuant to 41 U.S.C. 253d, the following procedures shall apply prior to canceling or ignoring the markings.

(i) The Contracting Officer will make written inquiry to the Contractor affording the Contractor 60 days from receipt of the inquiry to provide written justification to substantiate the propriety of the markings;

(ii) If the Contractor fails to respond or fails to provide written justification to substantiate the propriety of the markings within the 60-day period (or a longer time approved in writing by the Contracting Officer for good cause shown), the Government shall have the right to cancel or ignore the markings at any time after said period and the data will no longer be made subject to any disclosure prohibitions.

(iii) If the Contractor provides written justification to substantiate the propriety of the markings within the period set in paragraph (e)(1)(i) of this clause, the Contracting Officer will consider such written justification and determine whether or not the markings are to be cancelled or ignored. If the Contracting Officer determines that the markings are authorized, the Contractor will be so notified in writing. If the Contracting Officer determines, with concurrence of the head of the contracting activity, that the markings are not authorized, the Contracting Officer will furnish the Contractor a written determination, which determination will become the final agency decision regarding the appropriateness of the markings unless the Contractor files suit in a court of competent jurisdiction within 90 days of receipt of the Contracting Officer's decision. The Government will continue to abide by the markings under this paragraph (e)(1)(iii) until final resolution of the matter either by the Contracting Officer's determination becoming final (in which instance the Government will thereafter have the right to cancel or ignore the markings at any time and the data will no longer be made subject to any disclosure prohibitions), or by final disposition of the matter by court decision if suit is filed.

(2) The time limits in the procedures set forth in paragraph (e)(1) of this clause may be modified in accordance with agency regulations implementing the Freedom of Information Act (5 U.S.C. 552) if necessary to respond to a request thereunder.

(3) Except to the extent the Government's action occurs as the result of final disposition of the matter by a court of competent jurisdiction, the Contractor is not precluded by paragraph (e) of the clause from bringing a claim, in accordance with the Disputes clause of this contract, that may arise as the result of the Government removing or ignoring authorized markings on data delivered under this contract.

(f) Omitted or incorrect markings

(1) Data delivered to the Government without any restrictive markings shall be deemed to have been furnished with unlimited rights. The Government is not liable for the disclosure, use, or reproduction of such data.

(2) If the unmarked data has not been disclosed without restriction outside the Government, the Contractor may request, within 6 months (or a longer time approved by the Contracting Officer in writing for good cause shown) after delivery of the data, permission to have authorized notices placed on the data at the Contractor's expense. The Contracting Officer may agree to do so if the Contractor—

(i) Identifies the data to which the omitted notice is to be applied;

(ii) Demonstrates that the omission of the notice was inadvertent;

(iii) Establishes that the proposed notice is authorized; and

(iv) Acknowledges that the Government has no liability for the disclosure, use, or reproduction of any data made prior to the addition of the notice or resulting from the omission of the notice.

(3) If data has been marked with an incorrect notice, the Contracting Officer may—

(i) Permit correction of the notice at the Contractor's expense if the Contractor identifies the data and demonstrates that the correct notice is authorized; or

(ii) Correct any incorrect notices.

(g) Protection of limited rights data and restricted computer software.

(1) The Contractor may withhold from delivery qualifying limited rights data or restricted computer software that are not data identified in paragraphs (b)(1)(i), (ii), and (iii) of this clause. As a condition to this withholding, the Contractor shall—

(i) Identify the data being withheld; and

(ii) Furnish form, fit, and function data instead.

(2) Limited rights data that are formatted as a computer database for delivery to the Government shall be treated as limited rights data and not restricted computer software.

(3) Notwithstanding paragraph (g)(1) of this clause, the contract may identify and specify the delivery of limited rights data, or the Contracting Officer may require by written request the delivery of limited rights data that has been withheld or would otherwise be entitled to be withheld. If delivery of that data is required, the Contractor shall affix the following "Limited Rights Notice" to the data and the Government will treat the data, subject to the provisions of paragraphs (e) and (f) of this clause, in accordance with the notice:

Limited Rights Notice (Dec 2007)

(a) These data are submitted with limited rights under Government Contract No. _____ (and subcontract _____, if appropriate). These data may be reproduced and used by the Government with the express limitation that they will not, without written permission of the Contractor, be used for purposes of manufacture nor disclosed outside the Government; except that the Government may disclose these data outside the Government for the following purposes, if any; provided that the Government makes such disclosure subject to prohibition against further use and disclosure:

(i) Use (except for manufacture) by support service contractors.

(ii) Evaluation by nongovernment evaluators.

(iii) Use (except for manufacture) by other contractors participating in the Government's program of which the specific contract is a part.

(iv) Emergency repair or overhaul work.

(v) Release to a foreign government, or its instrumentalities, if required to serve the interests of the U.S. Government, for information or evaluation, or for emergency repair or overhaul work by the foreign government.

(b) This notice shall be marked on any reproduction of these data, in whole or in part.

(End of notice)

(g)(4)(i) Notwithstanding paragraph (g)(1) of this clause, the contract may identify and specify the delivery of restricted computer software, or the Contracting Officer may require by written request the delivery of restricted computer software that has been withheld or would otherwise be entitled to be withheld. If delivery of that computer software is required, the Contractor shall affix the following "Restricted Rights Notice" to the computer software and the Government will treat the computer software, subject to paragraphs (e) and (f) of this clause, in accordance with the notice:

Restricted Rights Notice (Dec 2007)

(a) This computer software is submitted with restricted rights under Government Contract No. _____ (and subcontract _____, if appropriate). It may not be used, reproduced, or disclosed by the Government except as provided in paragraph (b) of this notice or as otherwise expressly stated in the contract.

(b) This computer software may be—

(1) Used or copied for use with the computer(s) for which it was acquired, including use at any Government installation to which the computer(s) may be transferred;

(2) Used or copied for use with a backup computer if any computer for which it was acquired is inoperative;
(3) Reproduced for safekeeping (archives) or backup purposes;

(4) Modified, adapted, or combined with other computer software, *provided* that the modified, adapted, or combined portions of the derivative software incorporating any of the delivered, restricted computer software shall be subject to the same restricted rights;

(5) Disclosed to and reproduced for use by support service Contractors or their subcontractors in accordance with paragraphs (b)(1) through (4) of this notice; and

(6) Used or copied for use with a replacement computer.

(c) Notwithstanding the foregoing, if this computer software is copyrighted computer software, it is licensed to the Government with the minimum rights set forth in paragraph (b) of this notice.

(d) Any other rights or limitations regarding the use, duplication, or disclosure of this computer software are to be expressly stated in, or incorporated in, the

contract.

(e) This notice shall be marked on any reproduction of this computer software, in whole or in part.

(End of notice)

(ii) Where it is impractical to include the Restricted Rights Notice on restricted computer software, the following short-form notice may be used instead:

Restricted Rights Notice Short Form (Jun 1987)

Use, reproduction, or disclosure is subject to restrictions set forth in Contract No. _____ (and subcontract, if appropriate) with _____ (name of Contractor and subcontractor).

(End of notice)

(iii) If restricted computer software is delivered with the copyright notice of 17 U.S.C. 401, it will be presumed to be licensed to the Government without disclosure prohibitions, with the minimum rights set forth in paragraph (b) of this clause.

(h) *Subcontracting.* The Contractor shall obtain from its subcontractors all data and rights therein necessary to fulfill the Contractor's obligations to the Government under this contract. If a subcontractor refuses to accept terms affording the Government those rights, the Contractor shall promptly notify the Contracting Officer of the refusal and shall not proceed with the subcontract award without authorization in writing from the Contracting Officer.

(i) *Relationship to patents or other rights.* Nothing contained in this clause shall imply a license to the Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Government.

(End of clause)

I.11 ADDITIONAL DATA REQUIREMENTS (FAR 52.227-16) (JUNE 1987)

(a) In addition to the data (as defined in the clause at 52.227-14, Rights in Data—General clause or other equivalent included in this contract) specified elsewhere in this contract to be delivered, the Contracting Officer may, at any time during contract performance or within a period of 3 years after acceptance of all items to be delivered under this contract, order any data first produced or specifically used in the performance of this contract.

(b) The Rights in Data—General clause or other equivalent included in this contract is applicable to all data ordered under this Additional Data Requirements clause. Nothing contained in this clause shall require the Contractor to deliver any data the withholding of which is authorized by the Rights in Data—General or other equivalent clause of this contract, or data which are specifically identified in this contract as not subject to this clause.

(c) When data are to be delivered under this clause, the Contractor will be compensated for converting the data into the prescribed form, for reproduction, and for delivery.

(d) The Contracting Officer may release the Contractor from the requirements of this clause for specifically identified data items at any time during the 3-year period set forth in paragraph (a) of this clause.

End of clause

I.12 RIGHTS IN DATA—SPECIAL WORKS (FAR 52.227-17) (DEC 2007) (AS MODIFIED BY NFS 1852.227-17)

a) *Definitions.* As used in this clause—

"Data" means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term does not include information incidental to contract administration, such as financial, administrative, cost or pricing, or management information.

"Unlimited rights" means the rights of the Government to use, disclose, reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, in any manner and for any purpose, and to have or permit others to do so.

(b) Allocation of Rights.

(1) The Government shall have—

(i) Unlimited rights in all data delivered under this contract, and in all data first produced in the performance of this contract, except as provided in paragraph (c) of this clause.

(ii) The right to limit assertion of copyright in data first produced in the performance of this contract, and to obtain assignment of copyright in that data, in accordance with paragraph (c)(1) of this clause.

(iii) The right to limit the release and use of certain data in accordance with paragraph (d) of this clause.

(2) The Contractor shall have, to the extent permission is granted in accordance with paragraph (c)(1) of this clause, the right to assert claim to copyright subsisting in data first produced in the performance of this contract.

(c) Copyright—

(1) Data first produced in the performance of this contract.

(i) The Contractor shall not assert or authorize others to assert any claim to copyright subsisting in any data first produced in the performance of this contract without prior written permission of the Contracting Officer. When copyright is asserted, the

Contractor shall affix the appropriate copyright notice of *17 U.S.C. 401 or 402* and acknowledgment of Government sponsorship (including contract number) to the data when delivered to the Government, as well as when the data are published or deposited for registration as a published work in the U.S. Copyright Office. The Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license for all delivered data to reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, by or on behalf of the Government.

(ii) If the Government desires to obtain copyright in data first produced in the performance of this contract and permission has not been granted as set forth in paragraph (c)(1)(i) of this clause, the Contracting Officer shall direct the Contractor to assign (with or without registration), or obtain the assignment of, the copyright to the Government or its designated assignee.

(2) *Data not first produced in the performance of this contract.* The Contractor shall not, without prior written permission of the Contracting Officer, incorporate in data delivered under this contract any data not first produced in the performance of this contract and that contain the copyright notice of 17 U.S.C. 401 or 402, unless the Contractor identifies such data and grants to the Government, or acquires on its behalf, a license of the same scope as set forth in paragraph (c)(1) of this clause.

(d) *Release and use restrictions.* Except as otherwise specifically provided for in this contract, the Contractor shall not use, release, reproduce, distribute, or publish any data first produced in the performance of this contract, nor authorize others to do so, without written permission of the Contracting Officer.

(e) *Indemnity.* The Contractor shall indemnify the Government and its officers, agents, and employees acting for the Government against any liability, including costs and expenses, incurred as the result of the violation of trade secrets, copyrights, or right of privacy or publicity, arising out of the creation, delivery, publication, or use of any data furnished under this contract; or any libelous or other unlawful matter contained in such data. The provisions of this paragraph do not apply unless the Government provides notice to the Contractor as soon as practicable of any claim or suit, affords the Contractor an opportunity under applicable laws, rules, or regulations to participate in the defense of the claim or suit, and obtains the Contractor's consent to the settlement of any claim or suit other than as required by final decree of a court of competent jurisdiction; and these provisions do not apply to material furnished to the Contractor by the Government and incorporated in data to which this clause applies.

(f) Whenever the words "establish" and "establishment" are used in this clause, with reference to a claim to copyright, they shall be construed to mean "assert" and "assertion", respectively.

(End of clause)

I.13 SUBCONTRACTS FOR COMMERCIAL ITEMS (FAR 52.244-6) (MAR 2007)

(a) *Definitions.* As used in this clause—
"Commercial item" has the meaning contained in Federal Acquisition Regulation 2.101, Definitions.
"Subcontract" includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c)(1) The Contractor shall insert the following clauses in subcontracts for commercial items:

(i) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds $550,000 ($1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sept 2006) (38 U.S.C. 4212(a));

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793).

(v) 52.222-39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201). Flow down as required in accordance with paragraph (g) of FAR clause 52.222-39).

(vi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. App. 1241 and 10 U.S.C. 2631) (flow down required in accordance with paragraph (d) of FAR clause 52.247-64).

(2) While not required, the Contractor may flow down to subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

(End of clause)

I.14 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make

their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

http://www.arnet.gov/far/

http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm

(End of clause)

I.15 AUTHORIZED DEVIATIONS IN CLAUSES (FAR 52.252-6) (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any NASA FAR Supplement Regulation (CFR Chapter 18) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

I.16 SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION TECHNOLOGY RESOURCES (DEVIATION) (NFS 1852.204-76) (MAY 2008)

(a) The Contractor shall be responsible for information and information technology (IT) security when –

(1) The Contractor or its subcontractors must obtain physical or electronic (i.e., authentication level 2 and above as defined in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-63, Electronic Authentication Guideline) access to NASA's computer systems, networks, or IT infrastructure; or

(2) Information categorized as low, moderate, or high by the Federal Information Processing Standards (FIPS) 199, Standards for Security Categorization of Federal Information and Information Systems is stored, generated, processed, or exchanged by NASA or on behalf of NASA by a contractor or subcontractor, regardless of whether the information resides on a NASA or a contractor/subcontractor's information system.

(b) IT Security Requirements.

(1) Within 30 days after contract award, a Contractor shall submit to the Contracting Officer for NASA approval an IT Security Plan, Risk Assessment, and FIPS 199, Standards for Security Categorization of Federal Information and Information Systems, Assessment. These plans and assessments, including annual updates shall be incorporated into the contract as compliance documents.

(i) The IT system security plan shall be prepared consistent, in form and content, with NIST SP 800-18, Guide for Developing Security Plans for Federal Information Systems,

and any additions/augmentations described in NASA Procedural Requirements (NPR) 2810, Security of Information Technology. The security plan shall identify and document appropriate IT security controls consistent with the sensitivity of the information and the requirements of Federal Information Processing Standards (FIPS) 200, Recommended Security Controls for Federal Information Systems. The plan shall be reviewed and updated in accordance with NIST SP 800-26, Security Self-Assessment Guide for Information Technology Systems, and FIPS 200, on a yearly basis.

(ii) The risk assessment shall be prepared consistent, in form and content, with NIST SP 800-30, Risk Management Guide for Information Technology Systems, and any additions/augmentations described in NPR 2810. The risk assessment shall be updated on a yearly basis.

(iii) The FIPS 199 assessment shall identify all information types as well as the "high water mark," as defined in FIPS 199, of the processed, stored, or transmitted information necessary to fulfill the contractual requirements.

(2) The Contractor shall produce contingency plans consistent, in form and content, with NIST SP 800-34, Contingency Planning Guide for Information Technology Systems, and any additions/augmentations described in NPR 2810. The Contractor shall perform yearly "Classroom Exercises." "Functional Exercises," shall be coordinated with the Center CIOs and be conducted once every three years, with the first conducted within the first two years of contract award. These exercises are defined and described in NIST SP 800-34.

(3) The Contractor shall ensure coordination of its incident response team with the NASA Incident Response Center (NASIRC) and the NASA Security Operations Center, ensuring that incidents are reported consistent with NIST SP 800-61, Computer Security Incident Reporting Guide, and the United States Computer Emergency Readiness Team's (US-CERT) Concept of Operations for reporting security incidents. Specifically, any confirmed incident of a system containing NASA data or controlling NASA assets shall be reported to NASIRC within one hour that results in unauthorized access, loss or modification of NASA data, or denial of service affecting the availability of NASA data.

(4) The Contractor shall ensure that its employees, in performance of the contract, receive annual IT security training in NASA IT Security policies, procedures, computer ethics, and best practices in accordance with NPR 2810 requirements. The Contractor may use web-based training available from NASA to meet this requirement.

(5) The Contractor shall provide NASA, including the NASA Office of Inspector General, access to the Contractor's and subcontractors' facilities, installations, operations, documentation, databases, and personnel used in performance of the contract. Access shall be provided to the extent required to carry out IT security inspection, investigation, and/or audits to safeguard against threats and hazards to the integrity, availability, and confidentiality of NASA information or to the function of computer systems operated on behalf of NASA, and to preserve evidence of computer crime. To facilitate mandatory reviews, the Contractor shall ensure appropriate compartmentalization of NASA information, stored and/or processed, either by information systems in direct support of the contract or that are incidental to the contract.

(6) The Contractor shall ensure that system administrators who perform tasks that have a material impact on IT security and operations demonstrate knowledge appropriate to those tasks. A system administrator is one who provides IT services (including network services, file storage, and/or web services) to someone other than themselves and takes or assumes the responsibility for the security and administrative controls of that service.

(7) The Contractor shall ensure that NASA's Sensitive But Unclassified (SBU) information as defined in NPR 1600.1, NASA Security Program Procedural Requirements, which includes privacy information, is encrypted in storage and transmission.

(8) When the Contractor is located at a NASA Center or installation or is using NASA IP address space, the Contractor shall --

(i) Submit requests for non-NASA provided external Internet connections to the Contracting Officer for approval by the Network Security Configuration Control Board (NSCCB);

(ii) Comply with the NASA CIO metrics including patch management, operating systems and application configuration guidelines, vulnerability scanning, incident reporting, system administrator certification, and security training; and

(iii) Utilize the NASA Public Key Infrastructure (PKI) for all encrypted communication or non-repudiation requirements within NASA when secure email capability is required.

(c) Physical and Logical Access Requirements.

(1) Contractor personnel requiring access to IT systems operated by the Contractor for NASA or interconnected to a NASA network shall be screened at an appropriate level in accordance with NPR 2810 and Chapter 4, NPR 1600.1, NASA Security Program Procedural Requirements. NASA shall provide screening, appropriate to the highest risk level, of the IT systems and information accessed, using, as a minimum, National Agency Check with Inquiries (NACI). The Contractor shall submit the required forms to the NASA Center Chief of Security (CCS) within fourteen (14) days after contract award or assignment of an individual to a position requiring screening. The forms may be obtained from the CCS. At the option of NASA, interim access may be granted pending completion of the required investigation and final access determination. For Contractors who will reside on a NASA Center or installation, the security screening required for all required access (e.g., installation, facility, IT, information, etc.) is consolidated to ensure only one investigation is conducted based on the highest risk level. Contractors not residing on a NASA installation will be screened based on their IT access risk level determination only. See NPR 1600.1, Chapter 4.

(2) Guidance for selecting the appropriate level of screening is based on the risk of adverse impact to NASA missions. NASA defines three levels of risk for which screening is required (IT-1 has the highest level of risk).

(i) IT-1 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause very serious adverse impact to NASA missions. These

systems include, for example, those that can transmit commands directly modifying the behavior of spacecraft, satellites or aircraft.

(ii) IT-2 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause serious adverse impact to NASA missions. These systems include, for example, those that can transmit commands directly modifying the behavior of payloads on spacecraft, satellites or aircraft; and those that contain the primary copy of "level 1" information whose cost to replace exceeds one million dollars.

(iii) IT-3 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause significant adverse impact to NASA missions. These systems include, for example, those that interconnect with a NASA network in a way that exceeds access by the general public, such as bypassing firewalls; and systems operated by the Contractor for NASA whose function or information has substantial cost to replace, even if these systems are not interconnected with a NASA network.

(3) Screening for individuals shall employ forms appropriate for the level of risk as established in Chapter 4, NPR 1600.1.

(4) The Contractor may conduct its own screening of individuals requiring privileged access or limited privileged access provided the Contractor can demonstrate to the Contracting Officer that the procedures used by the Contractor are equivalent to NASA's personnel screening procedures for the risk level assigned for the IT position.

(5) Subject to approval of the Contracting Officer, the Contractor may forgo screening of Contractor personnel for those individuals who have proof of a --

(i) Current or recent national security clearances (within last three years);

(ii) Screening conducted by NASA within the last three years that meets or exceeds the screening requirements of the IT position; or

(iii) Screening conducted by the Contractor, within the last three years, that is equivalent to the NASA personnel screening procedures as approved by the Contracting Officer and concurred on by the CCS.

(d) The Contracting Officer may waive the requirements of paragraphs (b) and (c)(1) through (c)(3) upon request of the Contractor. The Contractor shall provide all relevant information requested by the Contracting Officer to support the waiver request.

(e) The Contractor shall contact the Contracting Officer for any documents, information, or forms necessary to comply with the requirements of this clause.

(f) At the completion of the contract, the contractor shall return all NASA information and IT resources provided to the contractor during the performance of the contract and certify that all NASA information has been purged from contractor-owned systems used in the performance of the contract.

(g) The Contractor shall insert this clause, including this paragraph (g), in all subcontracts

(1) Have physical or electronic access to NASA's computer systems, networks, or IT infrastructure; or

(2) Use information systems to generate, store, process, or exchange data with NASA or on behalf of NASA, regardless of whether the data resides on a NASA or a contractor's information system.

(End of clause)

I.17 OMBUDSMAN (NFS 1852.215-84) (OCT 2003) (ALTERNATE I) (JUNE 2000)

(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and contractors during the preaward and postaward phases of this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman is not to diminish the authority of the contracting officer, the Source Evaluation Board, or the selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of formal contract disputes. Therefore, before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution.

(b) If resolution cannot be made by the contracting officer, interested parties may contact the installation ombudsman, Melanie W. Saunders, 2101 NASA Parkway, Houston, Texas, 77058-3696, 281-244-7683, facsimile 281-483-2200, email melanie.saunders-1@nasa.gov. Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the NASA ombudsman, the Director of the Contract Management Division, at 202-358-0445, facsimile 202-358-3083, e-mail james.a.balinskas@nasa.gov. Please do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the Contracting Officer or as specified elsewhere in this document.

(c) If this is a task or delivery order contract, the ombudsman shall review complaints from contractors and ensure they are afforded a fair opportunity to be considered, consistent with the procedures of the contract.

(End of clause)

I.18 NASA 8 PERCENT GOAL (NFS 1852.219-76) (JULY 1997)

(a) **Definitions.**

"Historically Black Colleges or University," as used in this clause, means an institution determined by the Secretary of Education to meet the requirements of 34 CFR Section

608.2. The term also includes any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

"Minority institutions," as used in this clause, means an institution of higher education meeting the requirements of section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1135d-5(3)) which for the purposes of this clause includes a Hispanic-serving institution of higher education as defined in section 316(b)(1) of the Act (20 U.S.C. 1059c(b)(1)).

"Small disadvantaged business concern," as used in this clause, means a small business concern that (1) is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more socially and economically disadvantaged individuals, and (2) has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more of these entities, which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian Organization, and which meets the requirements of 13 CFR 124.

"Women-owned small business concern," as used in this clause, means a small business concern (1) which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women, and (2) whose management and daily business operations are controlled by one or more women.

(b) The NASA Administrator is required by statute to establish annually a goal to make available to small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns, at least 8 percent of NASA's procurement dollars under prime contracts or subcontracts awarded in support of authorized programs, including the space station by the time operational status is obtained.

(c) The contractor hereby agrees to assist NASA in achieving this goal by using its best efforts to award subcontracts to such entities to the fullest extent consistent with efficient contract performance.

(d) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns.

(End of clause)

I.19 ACCESS TO SENSITIVE INFORMATION (NFS 1852.237-72) (JUNE 2005)

(a) As used in this clause, "sensitive information" refers to information that a contractor has developed at private expense, or that the Government has generated that qualifies

for an exception to the Freedom of Information Act, which is not currently in the public domain, and which may embody trade secrets or commercial or financial information, and which may be sensitive or privileged.

(b) To assist NASA in accomplishing management activities and administrative functions, the Contractor shall provide the services specified elsewhere in this contract.

(c) If performing this contract entails access to sensitive information, as defined above, the Contractor agrees to -

(1) Utilize any sensitive information coming into its possession only for the purposes of performing the services specified in this contract, and not to improve its own competitive position in another procurement.

(2) Safeguard sensitive information coming into its possession from unauthorized use and disclosure.

(3) Allow access to sensitive information only to those employees that need it to perform services under this contract.

(4) Preclude access and disclosure of sensitive information to persons and entities outside of the Contractor's organization.

(5) Train employees who may require access to sensitive information about their obligations to utilize it only to perform the services specified in this contract and to safeguard it from unauthorized use and disclosure.

(6) Obtain a written affirmation from each employee that he/she has received and will comply with training on the authorized uses and mandatory protections of sensitive information needed in performing this contract.

(7) Administer a monitoring process to ensure that employees comply with all reasonable security procedures, report any breaches to the Contracting Officer, and implement any necessary corrective actions.

(d) The Contractor will comply with all procedures and obligations specified in its Organizational Conflicts of Interest Avoidance Plan, which this contract incorporates as a compliance document.

(e) The nature of the work on this contract may subject the Contractor and its employees to a variety of laws and regulations relating to ethics, conflicts of interest, corruption, and other criminal or civil matters relating to the award and administration of government contracts. Recognizing that this contract establishes a high standard of accountability and trust, the Government will carefully review the Contractor's performance in relation to the mandates and restrictions found in these laws and regulations. Unauthorized uses or disclosures of sensitive information may result in termination of this contract for default, or in debarment of the Contractor for serious misconduct affecting present responsibility as a government contractor.

(f) The Contractor shall include the substance of this clause, including this paragraph (f), suitably modified to reflect the relationship of the parties, in all subcontracts that may involve access to sensitive information

(End of clause)

I.20 RELEASE OF SENSITIVE INFORMATION (NFS 1852.237-73) (JUN 2005)

(a) As used in this clause, "sensitive information" refers to information, not currently in the public domain, that the Contractor has developed at private expense, that may embody trade secrets or commercial or financial information, and that may be sensitive or privileged.

(b) In accomplishing management activities and administrative functions, NASA relies heavily on the support of various service providers. To support NASA activities and functions, these service providers, as well as their subcontractors and their individual employees, may need access to sensitive information submitted by the Contractor under this contract. By submitting this proposal or performing this contract, the Contractor agrees that NASA may release to its service providers, their subcontractors, and their individual employees, sensitive information submitted during the course of this procurement, subject to the enumerated protections mandated by the clause at 1852.237-72, Access to Sensitive Information.

(c)(1) The Contractor shall identify any sensitive information submitted in support of this proposal or in performing this contract. For purposes of identifying sensitive information, the Contractor may, in addition to any other notice or legend otherwise required, use a notice similar to the following:

Mark the title page with the following legend:

> This proposal or document includes sensitive information that NASA shall not disclose outside the Agency and its service providers that support management activities and administrative functions. To gain access to this sensitive information, a service provider's contract must contain the clause at NFS 1852.237-72, Access to Sensitive Information. Consistent with this clause, the service provider shall not duplicate, use, or disclose the information in whole or in part for any purpose other than to perform the services specified in its contract. This restriction does not limit the Government's right to use this information if it is obtained from another source without restriction. The information subject to this restriction is contained in pages [insert page numbers or other identification of pages].

Mark each page of sensitive information the Contractor wishes to restrict with the following legend:

> Use or disclosure of sensitive information contained on this page is subject to the restriction on the title page of this proposal or document.

(2) The Contracting Officer shall evaluate the facts supporting any claim that particular information is "sensitive." This evaluation shall consider the time and resources necessary to protect the information in accordance with the detailed safeguards mandated by the clause at 1852.237-72, Access to Sensitive Information. However, unless the Contracting Officer decides, with the advice of Center counsel, that reasonable grounds exist to challenge the Contractor's claim that particular information is sensitive, NASA and its service providers and their employees shall comply with all of the safeguards contained in paragraph (d) of this clause.

(d) To receive access to sensitive information needed to assist NASA in accomplishing management activities and administrative functions, the service provider must be operating under a contract that contains the clause at 1852.237-72, Access to Sensitive Information. This clause obligates the service provider to do the following:

(1) Comply with all specified procedures and obligations, including the Organizational Conflicts of Interest Avoidance Plan, which the contract has incorporated as a compliance document.

(2) Utilize any sensitive information coming into its possession only for the purpose of performing the services specified in its contract.

(3) Safeguard sensitive information coming into its possession from unauthorized use and disclosure.

(4) Allow access to sensitive information only to those employees that need it to perform services under its contract.

(5) Preclude access and disclosure of sensitive information to persons and entities outside of the service provider's organization.

(6) Train employees who may require access to sensitive information about their obligations to utilize it only to perform the services specified in its contract and to safeguard it from unauthorized use and disclosure.

(7) Obtain a written affirmation from each employee that he/she has received and will comply with training on the authorized uses and mandatory protections of sensitive information needed in performing this contract.

(8) Administer a monitoring process to ensure that employees comply with all reasonable security procedures, report any breaches to the Contracting Officer, and implement any necessary corrective actions.

(e) When the service provider will have primary responsibility for operating an information technology system for NASA that contains sensitive information, the service provider's contract shall include the clause at 1852.204-76, Security Requirements for Unclassified Information Technology Resources. The Security Requirements clause requires the service provider to implement an Information Technology Security Plan to protect information processed, stored, or transmitted from unauthorized access, alteration, disclosure, or use. Service provider personnel requiring privileged access or limited privileged access to these information technology systems are subject to

screening using the standard National Agency Check (NAC) forms appropriate to the level of risk for adverse impact to NASA missions. The Contracting Officer may allow the service provider to conduct its own screening, provided the service provider employs substantially equivalent screening procedures.

(f) This clause does not affect NASA's responsibilities under the Freedom of Information Act.

(g) The Contractor shall insert this clause, including this paragraph (g), suitably modified to reflect the relationship of the parties, in all subcontracts that may require the furnishing of sensitive information.

(End of clause)

I.21 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (FAR 52.223-3) (JAN 1997) (ALT I) (JUL 1995)

(a) "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).
(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

OFFEROR MUST LIST OR STATE "NONE"

Material (*If none, insert "None"*)	Identification No.
NONE	

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.
(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.
(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted

under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.
(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.
(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.
(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to—

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with paragraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(i) Except as provided in paragraph (i)(2), the Contractor shall prepare and submit a sufficient number of Material Safety Data Sheets (MSDS's), meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous materials identified in paragraph (b) of this clause.

(1) For items shipped to consignees, the Contractor shall include a copy of the MSDS's with the packing list or other suitable shipping document which accompanies each shipment. Alternatively, the Contractor is permitted to transmit MSDS's to consignees in advance of receipt of shipments by consignees, if authorized in writing by the Contracting Officer.

(2) For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Contractor shall provide one copy of the MSDS's in or on each shipping container. If affixed to the outside of each container, the MSDS's must be placed in a weather resistant envelope.

(End of clause)

[END OF SECTION]

Section J
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Acronym List

ACRONYM LIST

ACA – ASSOCIATE CONTRACTOR AGREEMENT

ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE

ASME – AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASSE – AMERICAN SOCIETY OF SAFETY ENGINEERS

CFR – CODE OF FEDERAL REGULATIONS

CLIN – CONTRACT LINE ITEM NUMBER

CO – CONTRACTING OFFICER

COD – CENTER OPERATIONS DIRECTORATE

CoF – CONSTRUCTION OF FACILITIES

CONSVR – CONSTRUCTION SAFETY VIOLATION RECORDING

COTR – CONTRACTING OFFICER TECHNICAL REPRESENTATIVE

CSP – CERTIFIED SAFETY PROFESSIONALS

CTSD – CREW AND THERMAL SYSTEMS DIVISION

CWI – COMMON WORK INSTRUCTION

DOT – DEPARTMENT OF TRANSPORTATION

DRD – DATA REQUIREMENTS DESCRIPTION

DRL – DATA REQUIREMENTS LIST

EF – ELLINGTON FIELD

EOC – EMERGENCY OPERATIONS CENTER

EPA – ENVIRONMENTAL PROTECTION AGENCY

EPFOL – EL PASO FORWARD OPERATING LOCATION

FAA – FEDERAL AVIATION ADMINISTRATION

FM – FACILITY MANAGER

FM STANDARD – FACTORY MUTUAL STANDARDS

FMEA – FAILURE MODES AND EFFECTS ANALYSIS

FRED – JSC MISHAP DATABASE (not an acronym)

HATS – HAZARD ABATEMENT TRACKING SYSTEM

HAZOPS – HAZARDS & OPERABILITY STUDIES

HFD – HOUSTON FIRE DEPARTMENT

JSC – JOHNSON SPACE CENTER

JPD – JSC POLICY DIRECTIVE

JPR – JSC PROCEDURAL REQUIREMENTS

KSC – KENNEDY SPACE CENTER

MOA – MEMORANDUM OF AGREEMENT

MOU – MEMORANDUM OF UNDERSTANDING

NASA – NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA-STD – NASA STANDARD

NBL – NEUTRAL BUOYANCY LABORATORY

NFPA – NATIONAL FIRE PROTECTION ASSOCIATION

NPD – NASA POLICY DIRECTIVE

NPR – NASA PROCEDURAL REQUIREMENTS

NSRS – NASA SAFETY REPORTING SYSTEM

NSS – NASA SAFETY STANDARD

NSTC – NASA SAFETY TRAINING CENTER

ORI – OPERATIONAL READINESS INSPECTION

OSHA – OCCUPATIONAL SAFETY, HEALTH ASSOCIATION

QMS – QUALITY MANAGEMENT SYSTEM

RAC – RISK ASSESSMENT CODE

SATERN – SYSTEM FOR ADMINISTRATION, TRAINING, AND EDUCATIONAL RESOURCES FOR NASA

S&MA – SAFETY AND MISSION ASSURANCE

S&H – SAFETY AND HEALTH

SCTF – SONNY CARTER TRAINING FACILITY

SEB – SOURCE EVALUATION BOARD

SOW – STATEMENT OF WORK

SPECSINTACT - SPECIFICATIONS KEPT INTACT

TRR – TEST READINESS REVIEW

TSO – TEST SAFETY OFFICER

UL – UNDERWRITERS LABORATORY

URR – USE READINESS REVIEW

VITS – VIDEO TELECONFERENCING SYSTEM

VPP – VOLUNTARY PROTECTION PROGRAM

Attachment J-1

Definitions

DEFINITIONS

The following are safety related definitions used in this document:

Audit – a formal review of an organization's safety and health program to assess compliance with JSC's safety and health program requirements in JPR 1700.1 and referenced documents.

Assessment – a review of data collected during inspections, audits, and other activities under this SOW to determine the overall status of JSC's safety and health program.

Close call – see Mishap definition.

Concern – an item suspected to be a safety hazard and warrants further investigation.

Contracting Officer - a person who is designated in writing and who performs the administrative functions listed in the Federal Acquisition Regulation (FAR) and the NASA FAR Supplement.

Contractor - a non-federal employer working under a NASA contract, whether as prime contractor or subcontractor.

Credible failure - a failure which can occur and is reasonably expected to occur; failures of structure, pressure vessels, and pressurized lines and fittings aren't considered credible failure modes if those elements follow applicable safety factor requirements.

Critical system - any facility support system or test system whose loss could result in injury to test personnel, property damage, or failure to detect or shut off a hazardous condition.

Customer – JSC and NASA management, JSC organizations, Safety and Test Operations Division, line management and employees, both civil service and contractor.

Energy-isolating device - a mechanical device that physically prevents the transmission or release of hazardous energy, including, but not limited to:

- A manually operated electrical circuit breaker
- A disconnect switch
- Manually operated switch where the circuit conductors can be disconnected from all ungrounded supply conductors and no pole can be operated independently
- A slide gate
- A slip blind
- A line valve
- A block
- Any similar device used to block or isolate energy

Devices not included:

- Push buttons

- Selector switches
- Other control circuit-type devices

Energy source - any source of electrical, hydraulic, pneumatic, chemical (toxic, flammable, or corrosive material), thermal, or other energy.

Explosive - a chemical compound, mixture, or device that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high temperature; the term includes, but isn't limited to, dynamite, black powder, pellet powder, initiating explosives, detonators, safety fuses, squibs, detonating cord, igniter cord, and igniters, any material determined to be within the scope of Title 18, United States Code, Chapter 40, *Importation, Manufacture, Distribution, and Storage of Explosive Materials*, and also includes any material classified as an explosive by the Hazardous Materials Regulations of the U.S. Department of Transportation (NFPA 495, *Explosive Materials Code*).

Facility Manager - A Facility Manager is the agent of his/her Director and single point of contact responsible for ensuring the general safety of a building and, through coordination with appropriate line management, the safety and health of that building's occupants.

Fire extinguisher - a portable device containing powder, liquid, or gases that are expelled under pressure to suppress a fire.

First aid - any one-time treatment, and any follow-up visit for the purpose of observation, for minor scratches, cuts, burns, splinters, and so forth, that don't ordinarily require medical care; such one-time treatment, and follow-up visit for the purpose of observation, is considered first aid even though provided by a physician or registered professional personnel.

Flight hardware - hardware intended to be used in spaceflight.

Government vehicle - a commercially leased or U.S. government agency-owned motor vehicle being used in support of federal operations.

Hazardous Activity - one that involves credible risks or dangers to personnel or facilities and equipment of JSC; include, but aren't limited to, activities associated with human-tended hypobaric chambers, zero-g testing, and the Energy Systems Test Area.

Human Test facility - a facility testing hardware or procedures involving a human test subject.

Imminent Danger - conditions or practices in any NASA/JSC or contractor workplace where a risk exists that could reasonably be expected to cause death or serious physical harm immediately or before the imminence of such risk can be eliminated through normal procedures; these will be identified by Risk Assessment Code (RAC) 1 (see Chapter 3.2).

Incident Commander - A person responsible for coordinating emergency response efforts to mitigate hazards and restore normal operations.

Inspection - a comprehensive survey of all or part of a workplace by qualified employees in order to detect safety or health hazards; inspections are normally performed during the regular work hours of the agency, except as special circumstances may require.

JSC – for the purposes of this contract, JSC is defined as the JSC main campus, Sonny Carter Training Facility, and Ellington Field.

JSC Team Member - any civil service and contractor employees (full time, part time, and temporary), all levels of civil service and contractor management, and any other workers on JSC property.

Likelihood – Likelihood definitions:

Likelihood A. Likely to occur (e.g., probability > 0.1).
Likelihood B. Probably will occur (e.g., 0.1 ≥ probability > 0.01).
Likelihood C. May occur (e.g., 0.01 ≥ probability > 0.001).
Likelihood D. Unlikely to occur (e.g., 0.001 ≥ probability > 0.000001).
Likelihood E. Improbable (e.g., 0.000001 ≥ probability).

Lock out - placing a lockout device on an energy isolating device under established procedures and ensuring that the energy isolating device and the equipment being controlled cannot be operated until the lockout device is removed.

Lockout Device - a device that uses a positive means such as a lock, either key or combination type, to hold an energy isolating device in the safe position and prevent the energizing of a machine or equipment. Included are blank flanges and bolted slip blinds.

Lost Workday Cases - injuries and illnesses that involve days away from work or days of restricted work activity; this classification applies to contractor or private sector employees, not to civil service employees.

Lost Workdays – Away From Work - the number of workdays (consecutive or not) during which the employee would have worked but couldn't because of an occupational injury or illness.

Lost Workdays – Restricted Work Activity - the number of workdays (consecutive or not) during which, because of injury or illness

- The employee was assigned to another job on a temporary basis;
- The employee worked at a permanently assigned job less than full time; or
- The employee worked at a permanently assigned job, but couldn't perform all duties normally connected with the job.

Medical Treatment - treatment administered by a physician, or by licensed or registered professional personnel under standing orders of a physician, for an occupational injury or illness which doesn't result in days away from work or days of restricted work activity; doesn't include first aid treatment, even though provided by a physician or licensed or registered professional personnel; this definition applies to all employees, both civil servant and private sector.

Mishap - An unplanned event that results in at least one of the following:

- Injury to non-NASA personnel, caused by NASA operations.

- Damage to public or private property (including foreign property), caused by NASA operations or NASA-funded development or research projects.
- Occupational injury or occupational illness to NASA personnel.
- NASA mission failure before the scheduled completion of the planned primary mission.
- Destruction of, or damage to, NASA property.

NASA Mishaps are classified as follows:

Classification Level & Investigation Type	Property Damage	Injury
Type A Mishap	Total direct cost of mission failure and property damage is $1,000,000 or more, ***or*** Crewed aircraft hull loss has occurred, ***or*** Occurrence of an unexpected aircraft departure from controlled flight (except high performance jet/test aircraft such as F-15, F-16, F/A-18, T-38, OV-10, and T-34, when engaged in flight test activities).	Occupational injury and/or illness that resulted in: A fatality, ***or*** A permanent total disability, ***or*** The hospitalization for inpatient care of 3 or more people within 30 workdays of the mishap.
Type B Mishap	Total direct cost of mission failure and property damage of at least $250,000 but less than $1,000,000.	Occupational injury and/or illness has resulted in permanent partial disability. ***or*** The hospitalization for inpatient care of 1-2 people within 30 workdays of the mishap.
Type C Mishap	Total direct cost of mission failure and property damage of at least $25,000 but less than $250,000.	Nonfatal occupational injury or illness that caused any workdays away from work, restricted duty, or transfer to another job beyond the workday or shift on which it occurred.
Type D Mishap	Total direct cost of mission failure and property damage of at least $1,000 but less than $25,000.	Any nonfatal OSHA recordable occupational injury and/or illness that does not meet the definition of a Type C mishap.
Close Call	An event in which there is no equipment/property damage or minor equipment/property damage (less than $1000), but which possesses a potential to cause a mishap.	An event in which there is no injury or only minor injury requiring first aid, but which possesses a potential to cause a mishap.

NASA Employee - any person other than detailed members of the Armed Forces and contractor employees directly hired by NASA.

OSHA recordable mishaps - an occupational death, injury, or illness that must be recorded subject to OSHA requirements in 29 CFR 1960 and 29 CFR 1904 on the Log of Occupational Injuries and Illnesses, OSHA Form 300; these are occupational deaths, nonfatal occupational illnesses, and those nonfatal occupational injuries that involve one or more of the following: loss of workdays: loss of consciousness; restriction of work or motion; transfer to another job; or medical treatment other than first aid; by OSHA definition, hospitalization of an employee for observation purposes only, without subsequent injury determination, isn't a recordable injury.

Risk Assessment Codes (RAC) – a number showing the risk of a hazard or other concern based on the potential severity and likelihood of occurrence. Determine the RAC from the following table (see definitions for Severity and Likelihood):

	LIKELIHOOD ESTIMATE				
CONSEQUENCE CLASS	**A**	**B**	**C**	**D**	**E**
I	1	1	2	3	4
II	1	2	3	4	5
III	2	3	4	5	6
IV	3	4	5	6	7

Severity - Severity definitions:

Class I – Catastrophic. A condition that may cause death or permanently disabling injury, facility destruction on the ground, or loss of crew, major systems, or vehicle during the mission; schedule slippage causing launch window to be missed; cost overrun greater than 50% of planned cost.

Class II – Critical. A condition that may cause severe injury or occupational illness, or major property damage to facilities, systems, equipment, or flight hardware; schedule slippage causing launch date to be missed; cost overrun between 15% and not exceeding 50% of planned cost.

Class III – Moderate. A condition that may cause minor injury or occupational illness, or minor property damage to facilities, systems, equipment, or flight hardware; internal schedule slip that does not impact launch date; cost overrun between 2% and not exceeding 15% of planned cost.

Class IV – Negligible. A condition that could cause the need for minor first-aid treatment but would not adversely affect personal safety or health; damage to facilities, equipment, or flight hardware more than normal wear and tear level; internal schedule slip that does not impact internal development milestones; cost overrun less than 2% of planned cost.

Tag out - placing a tagout device on an energy isolating device according to procedure to indicate that the energy-isolating device and equipment being controlled may not be operated until the tagout device is removed.

Tagout device - a prominent warning device such as a tag and means of attachment which can be securely fastened to an energy-isolating device under an established procedure to indicate

that the energy isolating device and the equipment being controlled may not be operated until the tagout device is removed.

Test - an activity conducted to accomplish any of the following where persons or hardware are subjected to one or more test environments:

- acquire data
- evaluate, qualify, or certify hardware
- train spaceflight crews
- demonstrate capabilities.

Laboratory analysis, research, and experimentation which doesn't involve human subjects, flight hardware, prototype hardware, explosives, and oxygen enriched atmospheres isn't considered testing.

Test chamber - altitude chambers, vacuum chambers, and hyperbaric chambers, together with their ancillary systems and equipment, which provide an atmosphere deviating from ground-level ambient pressure or oxygen content or which involve a closed-loop life support system.

Test environment - a condition to which a test system or test subject is subjected; a test environment may involve deviation from normal ground-level ambient atmosphere, the application of higher forces or energy levels (i.e., acoustic, potential, thermal, etc.) than normally experienced, or exposure to hazardous materials.

Test facility - structures in which testing operations are conducted; the test facility includes the housing structure and all permanently installed systems specifically for test support; not included are generic utilities servicing other parts of the building or other facilities.

Test facility support systems - permanently installed equipment that support testing operations.

Test subject - a human being who is subjected to a test environment, often with little or no control over the test process.

Testing - the process by which the hazards that may confront entrants of permit-required space are identified and evaluated, including specifying the tests that are to be performed in the space.

The following are Material Inventory related definitions used in this document:

Activity Address Code - A six-position code, composed of numbers, letters, or a combination of both, assigned for use on requisition documents submitted to Government supply sources.

Back Order - A commitment by supply made to a customer and recorded in supply Records to issue at a later date an item which was not available upon initial customer demand.

Bench Stock - A stock of low-cost, repetitively used, consumption type supplies, and repair parts. Bench stocks are generally restricted to maintenance repair, fabrication type activities.

Consumption Item - Items which are either consumed in use or which lose their original identity during use by incorporation into, or attachment upon, another item.

Demand - A request for issue of an item. A demand may be recurring or nonrecurring.

Equipment - An item of real or personal property in the configuration of a mechanical, electrical, or electronic apparatus or tool, normally costing in excess of $50, which may perform a function independently or in conjunction with other equipment or components.

Error - A record to count discrepancies of 10 percent or more, or a dollar variance of 10 percent or more of the extended value of an inventoried line item.

Excess - Classification assigned to material for which no requirement exists.

Federal Supply Classification - A system developed in the Federal Cataloging System for use in classifying items of supply.

Inventory - Means all material being held by a Center as Stores Stock, Program Stock, or Standby Stock, except for that material actually in process of use or consumption.

Inventory Adjustment - a transaction processed to adjust materials inventory record and any imbalances between such records and quantities in stock.

Issue - The process of distributing material from inventory to customer for use or consumption.

Lead Time Demands - The number of times an item is requested during the replenishment lead time.

Personal Property - Property of any kind including equipment, materials, and supplies, but excluding real property. Property of any kind or any interest therein, except real property acquired by NASA, including property in transit in Government conveyances or common carriers; storage for stock or disposal; undergoing maintenance, repair modification or service test; acquired by donations or any other method.

Physical Inventory -The process of physically sighting and counting quantities of materials held in inventory by a Center, reconciling the count with the recorded balance, and processing the necessary documents to adjust the inventory records and the financial accounts.

Program Stock - Material acquired by direct purchase or by issue from Stores Stock for a specific program.

Safety Stock - A quantity included in the normal stockage to provide added assurance against stock out conditions.

Sensitive Items - An item which, due to its pilferable nature or the possibility of its being a hazard, requires a stringent degree of control. A sensitive item can be capital equipment or materials.

Special Items - An item having such unique qualities, properties, or features as to require special physical and managerial controls.

Standby Stock - Material held to support emergencies.

Stores Stock - Material being held in inventory by the Center which is repetitively procured, stored, and issued on the basis of recurring demand.

Survey Report - A report of administrative action taken to investigate and review the loss, damage, or destruction of Government property, to adjust the property records, to assemble pertinent facts, and to determine the extent or absence of personal responsibility for such loss, damage, or destruction.

Attachment J-2

Data Requirements List

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123	
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
1	Management Reports	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	See block 9	See block 9	See block 9	a. Type Other b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed) Distribute reports as directed in the DRD.		9. Remarks Submit reports as defined in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
2	Management Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	RT	See block 9	See block 9	a. Type Other b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed) Distribute initial plan as required in the RFP. Distribute subsequently updated plan as required in the DRD.		9. Remarks Submit initial copies as required in the RFP. Submit subsequently updated copies as required in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
3	Safety and Health Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	RT	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute initial plan as required in the RFP. Distribute subsequently updated plan as required in the DRD.		Submit initial copies as required in the RFP. Submit subsequently updated copies as required in the DRD.				

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
4	Quality Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	RT	See block 9	See block 9	a. Type Other b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute initial plan as required in the RFP. Distribute subsequently updated plan as required in the DRD.		Submit initial copies as required in the RFP. Submit subsequently updated copies as required in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
5	Safety and Fire Protection Surveys and S&MA Project Submittal Request Reports	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	See block 9	See block 9	a. Type Other b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
6	Annual Safety Program Audit Report	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	See block 9	See block 9	a. Type Other b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.			

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
7	Environmental and Energy Consuming Product Compliance Reports	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	See block 9	See block 9	a. Type: Other; b. Number: 1
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute to JSC Environmental Office.		Submit reports as defined in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
8	NASA Safety Training Center Safety Training Metrics	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	QU	See block 9	See block 9	a. Type: Other; b. Number: See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.			

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies
9	Safety Information Management Reports	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AR	See block 9	See block 9	a. Type: Other; b. Number: See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks			
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.			

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
10	Training Needs Survey	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute reports as defined in the DRD.		Submit schedule as defined in the DRD.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
11	Funding Category Report	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	MO	See block 9	See block 9	a. Type Print	b. Number 2
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD. The first submittal date will be Contract Start Date plus 1 month and 10 days.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
12	Monthly Safety and Health Metrics	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	MO	See block 9	See block 9	a. Type Other	b. Number 5
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.				

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
13	Safety and Health Program Self Evaluation	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	Sept. 30th	09/30/09	a. Type Other	b. Number 2
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute to Safety and Test Operations Division.		Report submitted via e-mail.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
14	Lessons Learned	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AR	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Notify the Safety and Test Operations Division and COTR of any lessons submitted to the JSC Lessons Learned Database via Email.		Submit reports as defined in the DRD.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
15	Security Reporting Requirements	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN/AR	See block 9	See block 9	a. Type Other	b. Number 1
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute information listed in A.1.a. through A.1.f. to the NASA/JSC Industrial Security Specialist; information listed in A.1.g. to the NASA/JSC Information Security Specialist, cc the JSC Industrial Security Specialist; information listed in A.2. to the NASA/JSC Badging Manager; cc JSC Personnel Security; information listed in A.3 to the NASA/JSC Security Branch Chief.		Submits as necessary per the DRD.				

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
16	CISS Contract Phase-In Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	OT	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute plan as required in the RFP.		Submit copies as required in the RFP.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
17	Wage/Salary and Fringe Benefit Data	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	AN	See block 9	See block 9	a. Type Print	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute as required in the DRD.		Initial submission is due 30 days following start of contract. Submit copies as required in the DRD.				

1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
18	Reprocurement Data Package	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	OT	See block 9	See block 9	a. Type Other	b. Number 2
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute to Contracting Officer and COTR.		Submitted one year prior to contract end or at Contracting Officer's discretion. Submit in electronic format compatible with Microsoft Word on a CD ROM.				

1. Line	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm.	7. Copies

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

Item no.					date		
19	Conflict of Interest Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	RT	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute plan as required in the DRD.		Submit initial and updated copies as required in the DRD.				
1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
20	CISS Metrics	☐ (1) Written Approval ☒ (2) Mandatory submittal ☐ Submitted upon request	QU	See block 9	See block 9	a. Type Other	b. Number See block 9
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute reports as defined in the DRD.		Submit reports as defined in the DRD.				
1. Line Item no.	2. DRD Title	3. Data type:	4. Frequency	5. As-of-date	6. 1st subm. date	7. Copies	
21	Phase-Out Plan	☒ (1) Written Approval ☐ (2) Mandatory submittal ☐ Submitted upon request	OT	See block 9	See block 9	a. Type Print	b. Number 2
	8. Distribution (Continue on a blank sheet if needed)		9. Remarks				
	Distribute plan as defined in the DRD.		Submit plan as defined in the DRD.				

JSC Form 2323 (Rev May 1, 1991) (MS Word August 1995)

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

Instructions for JSC Form 2323

DRL IDENTIFICATION

a. Title – Enter nomenclature descriptive of activity to which the DRL pertains, such as project, contract, statement of work, or request for proposal.
b. Contract/RFP Number – Enter contract number or RFP number, if applicable.
c. Date – Enter DRL preparation date as follows: Month-Date-Year. Subsequent modification dates may also be entered in this block.

LINE ITEM IDENTIFICATION

1. Line Item No. – Number line items sequentially, 1 through 999.
2. DRD Title – Enter DRD title from block 1 of JSC Form 2341.
3. Data Type – Check the appropriate data type. Additional detail needed to clarify types or define subtypes may be added in block 9, Remarks.
   (1) Written Approval – Data requiring written approval by the NASA Office of Primary Responsibility (OPR) before implementation into procurement or development program.
   (2) Mandatory Submittal – Data submitted to NASA for coordination, information, review, and/or management control.
   (3) Submittal upon Request – Data prepared and retained by respondent to be made available to requiring organization upon request.
4. Frequency – Enter frequency of submittal code as follows:

Code	Description	Code	Description	Code	Description
AD	As Directed	DA	Daily	RD	As Released
AN	Annually	DD	Deferred Delivery	RT	One Time and Revisions
AR	As Required	MO	Monthly	SA	Semiannually
BE	Biennially (Every other year)	OT	One Time	TY	Three Per Year
BM	Bimonthly (Every other month)	PV	Per Vehicle	UR	Upon Request
BW	Biweekly (Every other week)	QU	Quarterly	WK	Weekly

5. As-Of Date – If reports are of a recurring nature, give as-of date (cutoff date and due date: e.g., 15/1 indicated input cutoff date of 15th and due date of 1st). Amplify in Remarks, Item 9, if necessary.
6. First Submittal – Enter Month/Day/Year of initial submittal. If calendar date is not scheduled, enter number of days preceding or following event to which data requirement is related (e.g., 90 days prior to launch). Amplify in Remarks, Item 9, if necessary.
7. Copies – Complete 7a and 7b as specified below:
   a. Type – Enter code as follows:

Code	Definition	Code	Definition
PRINT	Printed Copies	MICRO	Microfilm Aperture Cards
REPRO	Reproducible Copy	OTHER	Explain Remarks, Item 9

JSC DATA REQUIREMENTS LIST (DRL) Based on JSC-STD-123		
a. Title of Contract, Project, SOW, etc. Center Institutional Safety Services	b. Contract/RFP No. NNJ09JA01C	c. DRL Date/Mod Date 06/05/2008

Instructions for JSC Form 2323 (continued)

b. Number – Enter number of copies required opposite each type of copy furnished.

8. Distribution – List current codes or addresses and names of organizations which are to receive copies of documents generated under the DRD. If more than one copy is required, so indicate in parenthesis by recipient's name. Continue on a blank sheet if necessary.
9. Remarks – Enter in this space:
   a. Reference to specific work statement paragraph as applicable to explain relationships of data to task.
   b. Additional submittal information, as necessary.
   c. Comments which explain an entry made in any block of the DRL.
   d. OPR for a specific DRD, if different from Contracting Officer Technical Representative (COTR).

Attachment J-2

Data Requirements Documents

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Management Reports	06/10/2008	1	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Reports of activities performed by the contractor for review by NASA management.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: As described below in paragraph 1, items a – l.

Distribution: As described below in paragraph 1, items a – l.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is acceptable as described below in paragraph 1, items a – l.

Details:

1. GENERAL: Management reports consist of:
   a. Weekly activity reports which provide NASA management (including contract administration) information leading to timely assessment and response to specific issues and observations. Submit reports in Microsoft Word via Email to the Secretary, Safety and Test Operations Division, Contracting Officer, and COTR by COB each Monday. Must be capable of being consolidated into the weekly activity report of the Safety and Test Operations Division. (Tuesday if Monday is a Holiday)
   b. Quarterly technical management reports which highlight noteworthy activities accomplished with emphasis on noteworthy safety issues, accomplishments, opportunities for improvement, the contractors self evaluation of its performance, and other items requiring management attention. Submit reports in Microsoft PowerPoint via Email to the Contracting Officer, and COTR within 14 days after performance period ends. Make electronic version available to the Safety and Test Operations Division and Contracting Officer via a website or internal network. Provide 10 hard copies at the self evaluation presentation.
   c. "Morning reports" that provide NASA management with a summary of recent activities and incidents. Submit reports via Email to COTR-directed distribution by 9:00 am the following business day.
   d. Days Away Case reports to notify NASA management of newly reported Days Away cases. Submit reports via Email to COTR-directed distribution within 1 business day of mishap notification.
   e. Preliminary incident investigation reports to notify NASA management of an incident and the preliminary investigation conducted per paragraph 4.1. Submit reports via Email to COTR-directed distribution within 4 hours of mishap notification.
   f. List of missing lockout/tagout devices that inform NASA management of missing locks and other lockout/tagout devices to allow recovery of missing devices if possible as described in paragraph 11. Submit 1 copy of the reports via Email to the Safety and Test Operations Division and to each responsible organization on the list by the 10th of each month.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

g. Inspection Reports. For construction inspections, submit the report via Email within 1 working day of the inspection to the Safety and Test Operations Division, Facility Management Division, and 1 hard copy to the construction contractor and building files. For building inspections, submit report via Email to the Safety and Test Operations Division, Facility Manager, other appropriate management, and 1 hard copy to the building files within two weeks of the inspection.

h. Safety and Health Program Review Reports. Submit reports in Microsoft Word via Email to the Safety and Test Operations Division and to the line organization reviewed within 5 working days after completing a review.

i. Facility Baseline Documentation Audit Reports. Submit reports in Microsoft Word via Email to the Safety and Test Operations Division and the facility organization that was audited within 5 working days after completing an audit.

j. Notification of fire protection systems not meeting standards. Submit reports via Email to the Authority Having Jurisdiction and the organization that owns the facility within 4 hours of becoming aware of the condition.

k. Impact statement of safety-related Federal Register changes. Submit reports via Email to the Safety and Test Operations Division within 5 working days of reviewing a proposed change.

l. Report on applicable requirements. Submit reports via Email to the Safety and Test Operations Division within 1 working day of completing an assessment. Upon approval, provide the list to the responsible organization via Email or hard copy.

2. WEEKLY ACTIVITY REPORT: Include summaries of significant CISS activities for the past week, status of on-going issues, and resolution of issues.

3. QUARTERLY TECHNICAL MANAGEMENT REVIEW (TMR) REPORT: The TMR report will include significant activities and other accomplishments of the contractor for each quarter. Report the information in summary fashion and organize it around the Statement of Work. Include a self-evaluation of contract performance as an integral part of this report, including metrics on performance as defined in the SOW and any other contractor defined metrics. Analyze the data presented and explain it in the report with the intent of preventing recurrence of substandard performance by the contractor or by the Government and to capture and retain excellence in performance of the JSC safety program. This self evaluation may discuss any off nominal performance such as exceptionally good or poor quality of products, unusual or unplanned costs incurred, actions not completed by the due date or completed in an exceptional manner in face of tight schedules, innovative solutions which enhance the safety program performance in terms of cost, schedules, or products, and potential opportunities for improvement to be considered by NASA management. Use graphical representation for data where warranted. Note specific safety issues and accomplishments (including candidates for improvement in the JSC safety program) in enough detail to apprise NASA management of any item requiring their attention and subsequent response.

4. DAILY STATUS (Morning) REPORTS: Daily (working days) status reports will include the following: Fire Protection System Status (out of service alarm/detection, suppression systems, and fire hydrants) Safety Action Hotline Calls, JSC Close Calls, Recordable Injury Reports, Posted Safety Alerts for the year, New JSC RAC 1 or 2 Hazard Abatement Tracking System Items, and other significant safety issues/items.

5. DAYS AWAY CASE REPORTS: Provide electronic notification to NASA management when a Days Away case has been reported to the Center Institutional Safety Services contractor.

6. PRELIMINARY INCIDENT INVESTIGATION REPORTS: Reports cover SOW paragraph 4.1 and include a preliminary summary of the incident and any potential or contributing causes. Include pictures where appropriate. The report shall include: date; incident time; building/location; location description; injury type; body part affected; activity; affiliation; mail code; age; gender; supervisor's name; hospital transportation information; property damage information; incident description; witness name(s); name of investigator.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

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7. LIST OF MISSING LOCKOUT/TAGOUT DEVICES: This report covers SOW paragraph 11. Provide a list at least monthly of missing locks and other lockout/tagout devices to include, as a minimum: devices missing, time missing, and persons issued to.

8. INSPECTION REPORTS. These reports cover SOW paragraphs 2.2 and 3.2. An inspection report shall include safety concerns identified, discrepancies with code citations, and commendations for exemplary performance.

9. SAFETY AND HEALTH PROGRAM REVIEW REPORTS. This report covers SOW paragraph 3.1. The format shall follow JSC's VPP Self Evaluation.

10. FACILITY BASELINE DOCUMENTATION AUDIT REPORTS. This report covers SOW sub-paragraph 3.3. It shall include the status of each major paragraph in JPR 1700.1, chapter 10.4, along with recommendations for correcting deficiencies.

11. NOTIFICATION OF FIRE PROTECTION SYSTEMS NOT MEETING STANDARDS. This report covers SOW sub-paragraph 6.0.f. This is an Email report that shall include: name of system, type of system, location, condition of system, date condition discovered, date that system is expected to meet the standards, and special precautions that must be taken during the interim.

12. IMPACT STATEMENT OF SAFETY-RELATED FEDERAL REGISTER CHANGES. This report covers SOW paragraph 9.4. The report shall include: the Federal Register reference, text or summary of the change, impact to JSC operations, recommended comments, and recommendations for implementing the requirement efficiently.

13. REPORT ON APPLICABLE REQUIREMENTS. This report covers SOW paragraph 1.7. The report shall include a list of requirements that apply to a specific system or operation and rationale. Provide the report to Safety and Test Operations Division via Email or hard copy. Upon approval, provide the list to the responsible organization.

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(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Management Plan	06/10/2008	2	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes how the contractor will administer contractual requirements.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
	DRD 11, DRD 1, DRD 9

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Submit initial copies with proposal and updates as required.

Distribution: Initial as described in the RFP and 1 copy of any updates to the Contracting Officer, COTR, and Chie Safety and Test Operations Division.

Subsequent Revisions: Submit revisions for Government approval after any major change in management organization and approach.

Other Deliverables: N/A.

mat: Contractor format is acceptable.

Details:

The Management Plan is the master plan, which describes the overall contractor system for managing and implementing the contract statement of work and for maintaining acceptable contract performance. The plan should define the concepts and techniques the Contractor will use in its approach to project management. Submit this plan with the proposal. The plan must include:

a. Description of the management roles and responsibilities, individual task assignments, and products and services fulfilling this contract.
b. Organization chart for contract functions, including lines of authority and how individual management functions fit within the company to satisfy contract requirements. Indicate interrelationships between organizations and any special lines of communication with customers and stakeholders associated with contract performance.
c. Identification of key personnel positions. Provide rationale for designating each position as "key". Describe the minimum qualifications for each key position and the process for selection of these personnel. Key personnel shall include a Project Manager. Other key personnel may be proposed at the discretion of the contractor. The Project Manager is responsible for managing all the work on the contract. Project Manager's minimum qualifications: Bachelor's degree in architecture or any engineering field, and 10 years experience in charge of safety engineering work. NOTE: An associate degree in safety or fire protection plus 10 **additional** years of safety engineering related experience may be substituted for a Bachelor degree.
d. Functional personnel descriptions. Provide a description of each position on the contract to include roles and responsibilities and qualifications.

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e. Staffing levels and other resource allocations required to fulfill this contract. Provide the numbers of personnel for each position defined in item d. above. Describe other resources required and how they will be allocated.
f. Training for contract personnel and approach to maintaining a qualified work force. Describe training, qualification, and certification program and methods to measure effectiveness of this activity.
g. Approach to managing and measuring personnel attrition and minimizing impact to contract performance.
h. Methods for complying with NA-RMP-001, *Safety and Mission Assurance (S&MA) Risk Management Plan.*
i. Risks to contract performance and proposed actions to mitigate those risks.
j. Performance reviews and reports. Describe internal management reviews and reviews with NASA to review contract issues and measure contract performance against requirements. Include approach to maintaining acceptable performance with changing priorities and requirements.
k. Method and schedule for providing reports required in the DRL and additional reports proposed by the contractor.
l. Financial management. Describe the system for planning, tracking, accumulating, and reporting contract costs and providing other financial support required to meet the budgeting, cost reporting, billing, and disclosure documents of the contract. Include any interrelationships with financial reporting requirements contained in DRD 11, Funding Category Report.
m. Information Technology (IT) security. Describe the approach to IT security to include plans required by NPR 2810.1A, *Security of Information Technology.*
n. Initiatives and innovations to add value to products and services required by this contract. Clearly identify enhancements requiring additional resources at cost to the Government.
o. Other significant management details that will affect performance of the contract. This may include items such as subcontracts or vendor agreements, interfaces with parties external to this contract and other resources which may be made available to support contract performance.

The plan requires Government approval. The Contractor shall notify the Government of any significant changes to this plan, and shall submit updates to NASA for approval.

The plan will be part of the contract, and as such may be releasable under the Freedom of Information Act (FOIA). To prevent release under FOIA, contractor may mark all pages of the management plan proprietary.

Show evidence that the plan is traceable to work breakdown structure of the SOW where applicable.

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(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Safety and Health Plan	04/08 (replaces 09/07b version)	3	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes Safety and Health Compliance Plan for Contractors providing support to JSC organizations. ***The Office of Primary Responsibility for this DRD is the JSC Safety and Test Operations Division.	☐ Technical ☐ Administrative ☒ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
OSHA CSP 03-01-003, Voluntary Protection Program (VPP): Policies and Procedures Manual. JSC 17773, Instructions for Preparation of Hazard Analysis for JSC Ground Operations JPR 1700.1 JSC Safety and Health Handbook.	DRD 13

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Initial submission with the proposal. Upon NASA approval, the Contractor's Safety and Health Compliance Plan become a Contractual Requirement.

Distribution: After the plan is approved by NASA, the CO will retain the plan in the Contract file. The Contractor will send additional copies to each of the following:
Contracting Officer (1 hard copy, 1 electronic copy)
NS/Safety and Test Operations Division (2 hard copies, 1 electronic copy)
JSC Occupational Health Officer (1 hard copy)
JSC Emergency Preparedness Office (1 hard copy)

Subsequent Revisions to the Plan: Review the plan annually or as directed by the CO. The plan shall be updated to meet the latest OSHA, JSC, and VPP requirements. Provide a copy of the updated plan with the changes highlighted to the distribution list above at the start of each Contract year. If no changes are required after the annual review, notify the individuals in the distribution list in writing to that affect.

Other Deliverables: The requirements for this plan as detailed in the instructions on plan content below include instructions for specific reports and data to be submitted to the Government. These instructions are to be included in the plan and represent contractual commitments by the Contractor to provide this information.

Format:
1. Cover page - to include as a minimum, blocks for the signatures of Contractor's project manager and designated safety official; NASA COTR; JSC Safety and Test Operations Division: JSC Occupational Health Officer: and the NASA Contracting Officer. Other signatures may be required at the discretion of the Government. Once approved by NASA, signatures will be collected and the plan placed on the contract.
2. Table of Contents. See content below.

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Body of plan - as required. Contractor's format is acceptable but should be aligned with the elements of the content below.

4. When preparing its plan, the Offeror/Contractor is expected to review all the items below and tailor its plan accordingly. The plan will clearly identify those resources to be provided by the Contractor and proposed resources to be provided by the Government. This review and supporting rationale is to be made available to the Government as part of this plan. It can be documented as a checklist or outline, inserted directly in the body of the plan, or in any format developed by the Contractor that clearly conveys the results of this review including the basis for any underlying assumptions.

Details:

1. MANAGEMENT LEADERSHIP AND EMPLOYEE PARTICIPATION

1.1 Policy: Provide the Contractor's safety and health compliance policy statement with the plan. Compare the Contractor's policy statement with those of NASA and OSHA and discuss any differences.

1.2 Goals and Objectives. Describe your approach to the following:

1.2.1 Specific annual safety and health goals and objectives to be met.

1.2.2 Methods to be used, if any, to improve on the Days Away Case Rate (DACR), the Total Recordable Injury Rate (TRIR), and the total Days Away plus Restricted Duty plus Job Transfer (DART).

1.3 Management Leadership. Describe management's procedures for implementing its sustaining commitment to safety and health compliance through visible management activities and initiatives including a commitment to exercise management prerogatives to ensure workplace safety and health. Describe processes and procedures to making this visible in all Contract and subcontract activities and products. Include a statement from the project manager or designated safety official indicating that the plan will be implemented as approved and that the project manager will take personal responsibility for its implementation.

1.4 Employee Involvement. Describe procedures to promote, implement, and sustain employee (e.g., non-supervisory) involvement in safety and health compliance program development, implementation and decision-making. Describe the scope and breadth of employee participation to be achieved so that approximate safety and health risk areas of the Contract are equitably represented. Describe methods to be used to obtain employee buy in and address the behavioral aspects of safety.

1.5 Assignment of Responsibility. Describe line and staff responsibilities for safety and health program implementation. Identify any other personnel or organization that provides safety services or exercises any form of control or assurance in these areas. State the means of communication and interface concerning related issues used by line, staff, and others (such as documentation, concurrence requirements, committee structure, sharing of the work site with NASA and other Contractors, or other special responsibilities and support). As a minimum, the Contractor will identify the following:

1.5.1 Safety Representative - identify by title, the individual who will be trained and certified in accordance with JPR 1700.1 to be responsive to Center-wide safety, health and fire protection concerns and goals, and who will participate in meetings and other activities related to the JSC Safety and Health program.

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1.5.2 Company Physician/Occupational Injury/illness case manager - identify a point of contact who is responsible for the transfer or receipt of company medical data and who will be the primary contact for the company in the event any employee suffers a work related injury or illness (such as the company physician) by name, address, and telephone number to the JSC Occupational Medicine Clinic, mail code SD32. This will facilitate communication of medical data to Contractor management. Prompt notification to the JSC Occupational Medicine Clinic shall be given of any changes that occur in the identity of the point of contact.

1.5.3 Building Fire Wardens - provide a roster of fire wardens at the start of each Contract year (their names, telephone numbers and pagers, and mail codes). Contractor fire wardens are needed to facilitate the JSC fire safety program, including coordination of related issues with NASA facility managers and emergency planning and response officials and their representatives. Fire wardens will be trained in accordance with JPR 1700.1. The Roster shall be maintained by letter to the JSC Safety and Test Operations Division, mail code NS2, with copies to the Contracting Officer and the Contracting Officers Technical Representative. The initial letter shall be received by the Government not later than 15 days after contract start.

1.5.4 Designated Safety Official - identify by title the official(s) responsible for implementation of this plan and all formal contacts with regulatory agencies and with NASA.

1.6 Provision of Authority. Describe consistency of the plan for compliance with applicable NASA and JSC requirements and contractual direction as well as applicable Federal, State, and Local regulations and how compliance will be maintained throughout the life of the contract.

1.7 Accountability. Describe procedures for ensuring that management and employees will be held accountable for implementing their tasks in a safe, healthful, and environmentally compliant manner. The use of traditional and/or innovative personnel management methods (including discipline, motivational techniques, or any other technique that ensures accountability) will be referenced as a minimum and described as appropriate.

1.8 Program Evaluation. Describe your approach to safety and health program evaluation. The program evaluation consists of:

1.8.1 [RESERVED.]

1.8.2 A written self-evaluation report to be delivered once per year. The self evaluation shall be provided for the Contractor performance evaluation. The self-evaluation shall follow the VPP program evaluation report format found in OSHA CSP 03-01-003, Voluntary Protection Program (VPP): Policies and Procedures Manual, Appendix C, "Format for Annual Submissions", as mandated by the cognizant OSHA regional office. Contractors who have submitted a written self-evaluation as a VPP site may submit their original report to OSHA in lieu of writing a new self-evaluation provided that all action plans and status are updated. The self-evaluation shall as a minimum cover the elements of the approved safety and health plan.

1.9 Miscellaneous Reports. The Contractor will acknowledge the following as standing requests of the Government and to be handled as described below.

1.9.1 Roster of Terminated Employees. Identify personnel terminated by the contractor. Send to the JSC Occupational Health Officer, no later than 30 days after the end of each contract year. At the contractor's discretion, the report may be submitted for personnel changes during the previous year or cumulated for all years. Information required:

Date of report, Contractor identity, and Contract number.

b. For each person listed, provide name, social security number, and date of termination.

c. Name, address, and telephone number of Contractor representative to be contacted for questions or other information.

1.9.2 Material Safety Data Sheets (MSDS). The Contractor shall prepare and/or deliver MSDS for hazardous materials brought onto Government property or included in products delivered to the Government. This data is required by the Occupational Safety and Health Administration (OSHA) regulation, 29 CFR 1910.1200, "Hazard Communication", EPA "Emergency Planning and Community Right-to-Know (EPCRA, ref. 40 CFR 302, 311, 312); and the Texas Department of Health (TDH, ref. Chapters 505-507 of the Health and Safety Code), and Federal Standard 313 (or FED-STD-313), "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities", as revised. This inventory is also required by JPR 1700.1, "JSC Safety and Health Handbook", as revised. 1 copy of each MSDS will be sent upon receipt of the material for use on NASA property to the JSC Central MSDS Repository, maintained by the JSC Occupational Medicine Occupational Health contractor, along with information on new or changed locations and/or quantities normally stored or used. If the MSDS arrive with the material and is needed for immediate use, the MSDS shall be delivered to the Central MSDS Repository by close of business of the next working day after it enters the site.

1.9.3 Hazardous Materials Inventory. The Contractor shall compile an inventory report of all hazardous materials it has located on Government property quarterly, and which is within the scope of 29 CFR 1910.1200, "Hazard Communication"; and Federal Standard 313 (or FED-STD-313), "Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities", as revised. This inventory is also required by JPR 1700.1, "JSC Safety and Health Handbook", as revised. The call for this inventory and instructions for delivery will be issued by the JSC Occupational Medicine Occupational Health contractor, mail code SD33. This information shall use the format used by JSC for chemical inventory compilation to provide the following:

a. The identity of the material (product number, chemical, manufacturer, and NSN as available).

b. The location of the material by building, room and area/cabinet number.

c. The quantity of each material normally kept at each location (number of containers, container size, type container, unit of measure, conversion factor, storage temp & pressure, physical state/form, specific gravity, total pounds).

d. Peak quantity stored.

e. Actual or estimated rate of annual usage of each chemical.

1.10 Government Access to Safety and Health Program Documentation. The Contractor shall recognize, in its plan, that all safety and health documentation (including relevant personnel records) be available for inspection or audit at the Government's request. Electronic access by the Government to this data is preferred as long as Privacy Act requirements are met and Government safety and health professionals and their representatives have full and unimpeded access for review and audit purposes. For Contractor activities conducted on NASA property, the Contractor will identify what records will made available to the Government in accordance with the criteria of OSHA as implemented in JPR 1700.1, "JSC Safety and Health Handbook",

s revised. For the purpose of this plan, safety and health documentation includes but is not limited to: logs, records, minutes, procedures, checklists, statistics, reports, analyses, notes, or other written or electronic document which contains in whole or in part any subject matter pertinent to safety, health, or emergency preparedness.

1.11 Review and Modification of Safety Requirements. The Contractor may be requested to participate in the review and modification of safety requirements that are to be implemented by the Government including any referenced documents therein. This review activity will be implemented at the direction of the NASA Contracting Officer's Technical Representative (COTR) in accordance with established contractual procedures.

1.12 Procurement. Identify procedures used to assure that procurements are reviewed for safety and health compliance considerations, and that specifications contain appropriate safety criteria and instructions. Set forth authority and responsibility to assure that safety tasks are clearly stated in subcontracts.

1.13 Certified Professional Resources. Discuss your access to certified professional resources for safety and health protection. Discuss their roles in motivation/awareness, worksite analysis, hazard prevention and control, and training.

2. WORKSITE ANALYSIS

2.1 Analysis of Worksite Hazards. Contractor worksite hazards shall be systematically identified through a combination of surveys, analyses, and inspections of the workplace, investigations of mishaps and close calls, and the collection and trend analysis of safety and health data such as: records of occupational injuries and illnesses, findings and observations from preventive maintenance activities, facilities related incidents related to partial or full loss of systems functions; etc. Describe how hazards identified by any of the techniques identified below shall be ranked, processed, and mitigated in accordance with JPR 1700.1. All hazards on NASA property, which are immediately dangerous to life or health, shall be reported immediately to the Safety and Test Operations Division. All safety engineering products that address operations, equipment, etc., on NASA property will be subject to JSC Safety and Test Operations Division review and concurrence unless otherwise waived by the JSC Safety and Test Operations Division.

2.2 Industrial Hygiene. Describe your industrial hygiene program and how it will be coordinated with the JSC Government provided resources for industrial hygiene. In the event corporate resources are used to determine workplace exposures, copies of all monitoring data shall be provided to JSC Occupational Medicine Occupational Health contractor within 15 days of receipt of results.

2.3 Hazard Identification. Describe the procedures and techniques to be utilized to compile an inventory of hazards associated with the work to be performed on this Contract. This inventory of hazards shall address the work specified in this Contract as well as operations and work environments in the vicinity or in close proximity to Contract operations. The results will be reported to the Government in a manner suitable for inclusion in facilities baseline documentation as a permanent record of the facility. Specific techniques to be considered include:

2.3.1 Comprehensive Survey. A "wall to wall" engineering assessment of the Contractor's worksite, which includes the Government furnished facilities to be used by the contractor and the immediate vicinity in which contractual work or tasks will be performed. This assessment encompasses facilities, equipment, materials, and processes.

2.3.2 Change (Pre-use) Analysis. Typically addresses modifications in facilities, equipment, processes, materials (including waste); and related procedures for operations and maintenance. Change analyses periodically will be driven by new or modified regulatory and NASA requirements.

2.3.3 Hazard Analysis - May address facilities, systems/subsystems, operations, processes, materials (including waste), and specific tasks or jobs. Analyses and report formats will be in accordance with JSC 17773, "Preparing of Hazard Analyses for JSC Ground Operations."

2.3.4 The Contractors safety plan will describe the flow of the findings of the comprehensive survey of hazards into hazard analyses and job hazard analyses and subsequently into controls such as design, operations, processes, procedures, performance standards, and training. The contractor will discuss its approach to notify NASA and other parties external to the contract work of its identified hazards and subsequent analyses and controls.

2.4 Inspections. Includes assignments, procedures, and frequency for regular inspection; evaluations of work areas for hazards and accountability, and implementation of corrective measures. The Contractor will describe administrative requirements and procedures for control of regularly scheduled inspections for fire and explosion hazards. The Contractor has the option, in lieu of this detail, to identify policies and procedures with the stipulation that the results (including findings) of inspections conducted on NASA property or involving Government furnished property will be documented in safety program evaluations or the monthly Accident/Incident Summary reports. Inspections will identify:

a. Discrepancies between observed conditions and current requirements, and,

b. New (not previously identified) or modified hazards.

c. Use of JSC's Hazard Abatement Tracking System to manage hazards onsite at JSC (see paragraph 3.12 below).

2.5 Protective Equipment. Set forth procedures for obtaining, inspecting, and maintaining all appropriate protective equipment, as required, or reference written procedures pertaining to this subject. Set forth methods for keeping records of such inspections and maintenance programs.

2.6 Employee Reports of Hazards. Identification of methods to encourage employee reports of hazardous conditions (e.g., close calls) and analyze/abate hazards. The Contractor will describe steps it will take to create reprisal-free employee reporting with emphasis on management support for employees and describe methods to be used to incorporate employee insights into hazard abatement and motivation/awareness activities.

2.7 Accident and Record Analysis

2.7.1 Mishap Investigation. Identification of methods to assure the reporting and investigation of mishaps including corrective actions implemented to prevent recurrence. The Contractor will describe the methods to be used to report and investigate mishaps on NASA property and on Contractor or third party property. The Contractor will describe its procedures for implementing immediate notification of NASA using the call tree in 2.7.1.a below. The use of the quick incident reports found at the lower center of the home page of the NASA Incident Reporting Information System (IRIS) at https://nasa.ex3host.com/iris/newmenu/login.asp and use of NASA forms as specified in JPR1700.1 or any alternate forms used by Contractor. The contingency plan will emphasize timely notification of NASA; preliminary and formal investigation procedures; exercise of

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risdiction over a mishap investigation involving NASA and other contractor personnel; preparation and submission of a formal report to NASA; follow up of corrective actions; communication of lessons learned to NASA; and solutions to minimize duplications in reporting and documentation including use of alternate forms, etc. The Contractor will discuss its procedures for immediate notification requirements for fires, hazardous materials releases, and other emergencies. The Contractor will include appropriate details to address the following:
Note: the NASA Form 1627 is not attached since it is a three part carbonless form not conducive to reproduction. This form is NOT available from JSC or NASA forms management; it can be obtained from the following link: http://jschandbook.jsc.nasa.gov/ .

a. The Contractor will include a mishap contingency plan as part of the Safety and Health Plan which meets the requirements of NPR 8621.1B, "NASA Procedural Requirement for Mishap and Close Call Reporting, Investigating, and Recordkeeping", and JPR 1700.1, **"JSC Safety and Health Handbook."** The plan will identify the method of immediately notifying NASA in the advent of a type A or B mishap or C property damage mishap and close call with equivalent potential so NASA may take custody of the mishap scene and initiate its investigation as soon as it is safe following the mishap. The Contractor will immediately contact the JSC Safety and Test Operations Division at 281-483-1935 for guidance when a Type A or B mishap or Type C property damage mishap occurs in the course of performing work on a NASA Contract in whole or in part. The contingency plan will clearly identify the Government investigation as taking precedence over any contractor investigation.

b. For Type C injuries and all lower level mishaps, the Contractor will perform its own investigation and submit a report to NASA in accordance with the requirements of NPR 8621.1. The Contractor will ensure that NASA is promptly notified of any Type D mishap so that NASA provides a civil servant to oversee the investigation in an ex officio capacity prior to start of any formal investigation. All initial reports and selected follow up reporting will be accomplished using IRIS.

c. When a NASA investigation is required, witnesses will be identified and their names and contact information provided to NASA investigator but witness statement must be requested and collected by NASA. Such statements will be retained by the Government as part of the mishap file in accordance with NPR 8621.1.

d. The Contractor will deliver to NASA mishap reports which shall include the data specified in NPR 8621.1 for the level of mishap. NASA approval and endorsements will be required as specified in NPR 8621.1 and included in the approved Safety and Health Plan.

2.7.2 Trend Analysis – Describe approach to performing trend analysis of data (occupational injuries and illnesses; facilities, systems, and equipment performance; maintenance findings; etc.). Discuss methods to identify and abate common causes indicated by trend analysis. In support of site-wide trend analysis to be performed by the Government, the Contractor will discuss method of providing data as follows.

a. Accident/Incident Summary Report - The Contractor shall prepare and deliver Accident/Incident Summary Reports as specified on JSC Form 288, "Accident/Incident Statistics" as revised. All new and open mishaps, including vehicle accidents, incidents, injuries, fires, and close calls shall be described in summary form along with current status. Negative reports are also required monthly. Report frequency is monthly; date due is the 10th days of the month following each month reported. Report to be delivered to the JSC S & MA Directorate through the Safety and Test Operations Division, mail code NS2, by fax to 281-244-0426 or by attaching to an e-mail and transmitting to JSC-Safety-Report-Submittals@mail.nasa.gov.

Log of Occupational Injuries/Illnesses

i. For each establishment on and off NASA property that performs work on this Contract, the Contractor shall deliver, to the Government, a copy of its annual summary of occupational injuries and illnesses (OSHA 300 and OSHA 300A or equivalent) as described in Title 29, Code of Federal Regulations, Subpart 1904.5 If the Contractor is exempt by regulation from maintaining and publishing such logs, equivalent data in Contractor's format is acceptable (such as loss runs from insurance carrier) which contains the data required by JSC Form 288.

ii. Data shall be compiled and reported by calendar year and provided to the Government within 45 days after the end of the year to be reported (e.g. not later than February 15 of the year following).

3. HAZARD PREVENTION AND CONTROL

3.1 Identified hazards must be eliminated or controlled. In the multiple employer environment of the Center, it is required that hazards including discrepancies and corrective actions be collected in a Center wide information system Hazard Abatement Tracking System (HATS) for risk management purposes. Describe your approach to implementing this requirement.

3.2 Appropriate Controls. Discuss approach to consideration and selection of controls. Discuss use of hazard reduction precedence sequence (see JPR 1700.1). Discuss approach to identifying and accepting any residual risk. Discuss implementation of controls including verifying effectiveness. Discuss scope of coverage (hazardous chemicals, equipment, energies, etc.). Discuss need for coordination with safety, health, and emergency authorities at NASA.

3.3 Hazardous Operations and Processes. Establish methods for notification of personnel when hazardous operations and processes are to be performed in their facilities or when hazardous conditions are found to exist during the course of this Contract. JPR 1700.1 will serve as a guide for defining, classifying, and prioritizing hazardous operations; 29 CFR 1910.119 will be the guide for hazardous processes when the material or process meets the requirements therein. Develop and maintain a list of hazardous operations and processes to be performed during the life of this Contract. The list of hazardous operations and processes will be provided to JSC as part of the plan for review and approval. JSC and the Contractor will decide jointly which operations and processes are to be considered hazardous, with JSC as the final authority. Before hazardous operations or processes commence, the Contractor will develop a schedule to develop written procedures with particular emphasis on identifying the job safety steps required. NASA will have access on request to any Contractor data necessary to verify implementation. For all identified operations or processes that may have safety or health implications outside Contract operations, the Contractor shall identify such circumstances to the JSC Safety and Test Operations Division and Occupational Health Officer who will provide additional instructions for further NASA management review and approval.

3.4 Written Procedures. Identification of methods to assure that the relevant hazardous situations and proper controls are identified in documentation such as inspection procedures, test procedures, etc., and other related information. Describe methods to assure that written procedures are developed for all hazardous operations, including testing, maintenance, repairs, and handling of hazardous materials and hazardous waste. Procedures will be developed in a format suitable for use as safety documentation (such as a safety manual) and be readily available to personnel as required to correctly perform their duties.

3.5 Hazardous Operations Permits. Identify facilities, operations and/or tasks where hazardous operations permits will be required as specified in JPR 1700.1 such as confined space entry, hot work, etc.

Set forth guidance to adhere to established NASA JSC procedures. Clearly state the role of the safety group or function to control such permits.

3.6 Operations Involving Potential Asbestos Exposures. Set forth method by which compliance is assured with JSC Asbestos Control Program as established in JPR 1700.1, as revised.

3.7 Operations Involving Exposures to Toxic or Unhealthful Materials. Such operations must be evaluated by the JSC Occupational Health Office and must be properly controlled as advised by same. JSC Occupational Medicine must be notified prior to initiation of any new or modified operation potentially hazardous to health.

3.8 [Reserved.]

3.9 Baseline Documentation. Discuss the Contractor's responsibilities for maintaining facilities baseline documentation in accordance with JSC requirements. The Contractor will implement any facilities baseline documentation tasks (including safety engineering) as provided in the Contractor's plan approved by NASA or as required by Government direction.

3.10 Preventive Maintenance. Discuss approach to preventive maintenance. Describe scope, frequency, and supporting rationale for your preventive maintenance program including facilities and/or equipment to be emphasized or de-emphasized. Discuss methods to promote awareness in the NASA community (such as alerts, safety flashes, etc.) when preventive maintenance reveals design or operational concerns in facilities and equipment (and related processes where applicable).

3.11 Medical (Occupational Healthcare) Program. Discuss the Contractor's medical surveillance program and injury/illness case management to evaluate personnel and workplace conditions to identify specific health issues and prevent degradation of personnel health as a result of occupational exposures. Discuss approach to Cardiopulmonary Resuscitation (CPR), first aid, and, return to work policies and the use of Government provided medical and emergency facilities for the initial treatment of occupational injuries/illnesses.

3.12. Hazard Correction and Tracking. Discuss your system for correcting and tracking safety, health, and environmental hazards with particular emphasis on integration with JSC's Hazard Abatement Process (found on line @ http://www.srqa.jsc.nasa.gov/HATS/). (The scope is restricted to establishments at JSC, Sonny Carter Training Facility, and Ellington Field.) This includes the following:

3.12.1 Personnel Awareness of Hazards. Discuss your approach to communicate unsafe conditions and approved countermeasures to your employees. Discuss your approach to communicating such conditions to the Government and other Contractors whose personnel may be exposed to such unsafe conditions. Discuss communications with Facility Managers. Discuss use of the NASA Lessons Learned Information System for both obtaining lessons from other sources and as a repository for lessons learned during performance of the Contract.

3.12.2 Interim and Final Abatement Plans - Describe how you will approach interim and final abatement of hazards. Describe how you will provide data to the JSC HATS for all hazards within Contractor-occupied facilities that are not finally abated (all interim and final abatement actions completed) within 30 days of discovery. Discuss your approach to posting such plans using JSC Form 1240, "JSC Notice of Safety or Health and Action Plan", or equivalent. Discuss compatibility of your system with JSC's role of facility managers in abatement planning, implementation, and verification.

3.13 Disciplinary System. Describe your system for ensuring safety and health discipline in your personnel (including subcontractors). Describe your approach to modifying personnel behaviors when personnel are exhibiting discrepant safety and health performance.

3.14 Emergency Preparedness. Discuss approach to emergency preparedness and contingency planning which addresses fire, explosion, inclement weather, etc. Discuss compliance with 29 CFR 1910.120 (HAZWOPER) and role in JSC Incident Command System (see JPR 1700.1 for details). Discuss methods to be used for notification of JSC emergency forces including emergency dispatcher, safety hotline, director's safety hotline, etc. Discuss establishment of pre-planning strategies through procedures, training, drills, etc. Discuss methods to verify emergency readiness.

4. SAFETY AND HEALTH TRAINING

4. Discuss the following:

4.1 Describe the Contractor's training program including identification of responsibility for training employees to assure understanding of safe work practices, hazard recognition, and appropriate responses for protective and/or emergency countermeasures, including training to meet Federal, State, and Local regulatory requirements.

4.2 Describe approach to identifying training needs including traceability to exercises such as job safety analyses, performance evaluation profiles, hazard analyses, mishap investigations, trend analyses, etc.

4.3 Describe approach to training personnel in the proper use and care of personal protective equipment (PPE).

4.4 Discuss tailoring of training towards specific audiences (management, supervisors, and employees) and topics (safety orientation for new hires, specific training for certain tasks or operations).

4.5 Discuss approach to ensure that training is retained and practiced. Discuss personnel certification programs. Certifications should include documentation that training requirements and physical conditions have been satisfied (examples include physical examination, testing, and on-the-job performance).

4.6 Address utilization of JSC safety and health training resources (such as asbestos worker training/certification, hazard communication, confined space entry, lockout/tagout, etc.) as appropriate with particular emphasis on programs designed for the multiple employer work environment on NASA property. If the Contractor wishes to train their personnel in any regulatory mandated training, an agreement will be secured with JSC Occupational Safety Branch and Occupational Health and Test Operations Division and the JSC Occupational Health Officer prior to beginning training. The agreement will ensure that safety and health training resources available from NASA are utilized where appropriate.

4.7 Discuss approach to making all training materials and training records available to NASA, and other Federal, state, and local agencies for their review upon request.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Quality Plan	06/10/2008	4	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
The Quality Plan is used to document the specific details of the contractor's Quality Management System (QMS) related to a specific product or process.	☐ Technical ☐ Administrative ☒ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Submit initial copies with proposal and updates as required.

Distribution: Initial as described in the RFP and 1 copy of any updates to the Contracting Officer, COTR, and Chief, Safety and Test Operations Division.

Subsequent Revisions: Submit revisions for Government approval after any major change in quality approach.

Other Deliverables: N/A.

Format: The Quality Plan format shall match the elements of the JPD 1280.1, JSC Quality Policy and JPR 1280.2, JSC Quality Manual.

Details:

Scope:
Prepare a contract specific Quality Plan which ensures the quality of products and services. Submit the Quality Plan with your proposal. The plan will be approved by the Contracting Officer concurrent with Contract award.

Contents: The quality plan shall address each element of the JPD 1280.1, JSC Quality Policy; JPR 1280.2, JSC Quality Manual; and the additional requirements identified below.

Additional Requirements:

Identify the methods, procedures, and controls you will use to ensure the quality, and timeliness of the Test Safety and Fire Protection System Maintenance services.

Describe how you will follow the JSC Quality Management System for the other tasks areas of the SOW.

Identify work instructions needed for the contract. This may include work instructions currently on the NS Master List and other work instructions that will be internal to the contract.

Maintenance:
All changes and updates to the Quality Plan require Government approval.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
MA-S-2,Safety and Fire Protection Surveys and S&MA Project Submittal Request Report	06/10/2008	5	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Safety and Fire Protection Surveys are used to identify hazards in JSC operations for disposition by JSC management and for preparation of the annual S&MA Project submittal package. This data requirement is unique to this contract.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
NASA-STD-8719.11, JPR 1700.1 (as revised)	

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Annual by September 30th of each year.

Distribution: 1 copy to COTR and Chief, Safety and Test Operations Division.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: S&MA Project Submittal package formats will vary according to the needs of the Safety and Test Operations Division, Center Operations Directorate and NASA Headquarters. Both an electronic copy and a fully completed hard copy of JSC Form 608, Facility Project Request, are required for each submitted project.

Details:

1. GENERAL: The contractor performs safety and fire protection surveys in JSC facilities and operations as dictated by other sections of the Statement of Work. Each year the Safety and Mission Assurance Directorate supports the Center Operations Directorate in the Capital Facilities Investment Program Data call from NASA HQ by proposing safety and fire protection related projects. These proposed projects are ranked and included in the JSC submittal to NASA HQ for consideration of funding by the agency.

2. SAFETY AND FIRE PROTECTION SURVEYS: The safety and fire protection survey report of JSC facilities and operations is an overall analysis of the information from inspections, and other data, such as that gathered during reviews of facilities and facility modifications, and during fire protection system maintenance, to identify fire and safety deficiencies. The format may vary according to the needs of the Safety and Test Operations Division. The survey report shall include:
(a) Deficiencies noted along with the rationale and risk level.
(b) Engineering methodologies, compliance options, and associated investment strategies.
(c) Risk reduction options for management consideration.

3. S&MA PROJECT SUBMITTAL REQUEST REPORT: The contractor shall submit an annual S&MA Project Submittal Request Report. This Report shall meet the Capital Facilities Investment Program Data Call from NASA Headquarters' Facility Engineering and Real Property Division, which will support the Planning, Programming, Budgeting and Execution (PPBE) process for each fiscal year. The report will be based on an analysis of current fire and safety deficiencies at JSC as documented in the safety and fire

protection survey reports in item 2 above. For Institutional projects, the project justification must document the consequence of impact to the NASA mission and the probability of an event occurring. Also provide any other information which will help substantiate the need for the project. The report shall identify those projects that can be completed within 4 months of funding. Data shall include, but is not limited to project requirements requested for:

1. Construction of Facilities (CoF) Program Direct Projects greater than $500,000
2. Fiscal Year CoF Institutional Projects
3. Demolition Projects
4. Small Projects
5. A list of the top10 fire protection and safety projects

4. RESIDUAL RISK ASSESSMENT: Following Capital Facilities Investment Program Submittal, determine what projects or proposals are not approved and assess any residual risks that must be addressed. These residual risks shall be developed for consideration in the Integrated Risk Management Application in accordance with NA-RMP-001. Prepare mitigation options for consideration by the Safety and Test Operations Division.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Annual Safety Program Audit Report	06/10/2008	6	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Annual report of safety program for senior managers; provides data for annual report to OSHA.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
JPR 1700.1, Parts 1 - 4	

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Annual by December 1st of each year.

Distribution: 1 copy via Email to COTR and Chief, Safety and Test Operations Division.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Submit the report electronically in Microsoft Word. The format will generally follow the format of JSC's Annual Self Evaluation Report, minus the health-related elements. JSC's Self Evaluation follows the current OHSA Region VI format. The report will include other items determined necessary by the Safety and Test Operations Division.

Details:

The report documents your assessment of the status of JSC's institutional safety and health program with particular emphasis on significant positive and negative trends. It does not provide listings of minor safety hazards.

a. Content. The report must include:
- An assessment of each element and safety-related sub element of JSC's safety and health program described in JPR 1700.1, Parts 1 – 4.
- Recommendations for management action, prioritized management consideration.

b. Data sources. Data sources for the report include, but are not limited to:
- Audits and inspections done per the Statement of Work.
- Results of surveys done during the year.
- Status of institutional safety goals and objectives.
- Safety awareness, hazard abatement, safety discrepancy, close call, and mishap data.
- Significant accomplishments and current problems.
- Procedures and observed or reported work practices.

c. Data collection and analysis. Identify any data collection and analysis issues to the COTR along with recommendations for resolution or implementation. Issues may address the analytical and data collection strategy, information processing, interfaces with data sources within the JSC community, etc.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

Period covered. The period covered by each report shall be from January through October of the current calendar year.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Environmental and Energy Consuming Product Compliance Reports	01/18/2007	7	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Used to complete JSC's required annual report to NASA HQ on affirmative procurement, waste reduction, energy efficient product procurement, and ozone depleting substances.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
JPR 8550.1, JPR 8553.1	

8. Preparation Information (Include complete instructions for document preparation)

For Sections I and III, where the Contractor does not purchase any designated product during the fiscal year, the report shall be a statement to that effect.

For Section IV, if the Contractor does not purchase, own, operate, maintain, or repair Ozone Depleting Substances (ODS) equipment on-site, the report shall be a statement to that effect.

Fiscal year is the Federal Government fiscal year and is defined as October 1 through September 30.

I. Annual Affirmative Procurement Report. The Contractor shall track and report each January 15 to the JSC Environmental Office the following information regarding the purchase by the Contractor (including subcontracts) of all products on the U. S. Environmental Protection Agency's Comprehensive Procurement Guideline list and items on the USDA Farm Bill Bio-based list:

a. The total amount of each item purchased during the previous fiscal year in $,
b. The total amount of each listed item purchased during the previous fiscal year that contained at least the minimum recommended percentages of recycled content or bio-based content during the fiscal year in $,
c. The total amount of each listed item purchased during the previous fiscal year that contained some recycled content or bio-based content but less than the minimum recommended percentages of recycled content or bio-based content during the fiscal year in $,
d. The number of waivers and the name of the item each waiver was requested for submitted to the Environmental Office during the previous fiscal year,
e. The total amount purchased for each waivered item during the previous fiscal year in $, and
f. A narrative explanation of constraints for purchasing each item that did not meet affirmative procurement or bio-based content requirements during the previous fiscal year.

II.a. Waste Reduction Activity Report. The Contractor shall track and report each January 15 to the JSC Environmental Office any new process improvements or programs undertaken by the Contractor (or subcontractors) that have contributed to waste reduction during the previous fiscal year. Waste reduction means increasing the percent of waste material diverted from the landfill. This may be accomplished through source reduction or by increasing reuse and recycling of items that would normally go to the landfill (trash). The information will be included in JSC's annual report to NASA HQ on waste reduction activities. Limit responses to one page or less per item. The response should include a description of the activity, the materials or wastes reduced, an estimated volume or weight of reduction, and a contact name and phone number for a person knowledgeable about the reduction activity.

b. For Construction/Facility Modification Contracts Only: The Contractor shall track and report to the JSC Environmental Office the total weight in pounds of material sent to the landfill (this does not include shipments managed and paid for by the Environmental Office or their support contractor) and the total number of pounds of material recycled by media (scrap metal, wood, concrete, soil). The report is due within 30 days of completion of all waste generating and recycling activities or of final waste shipments associated with the project and in no case later than completion of the contract.

III. Annual Energy Efficiency Product Procurement Report. The Contractor shall report to the JSC Energy Manager, on January 15 of each year, information on purchases of energy consuming products made by the Contractor (including subcontracts) beginning upon contract start. This includes the purchase of premium efficiency motors and efficiency lighting covered by the Energy Policy Act of 2005. The report shall provide the following:

a. A list of all energy consuming products purchased during the previous fiscal year.
b. The total purchase cost of each item on the list.
c. A designation of which items were Energy Star or Federal Energy Management Program (FEMP)-sanctioned.
d. For each Energy Star or FEMP-sanctioned product purchased, provide:
    i. The simple payback value as determined by the contractor's life cycle cost analysis.
    ii. The annual savings in dollars and BTUs due to the purchase of the item.
e. Metrics which show the effectiveness of the contractor's purchases:
    i. Percentage of purchased products that are Energy Star and FEMP-sanctioned against the total number of energy consuming products purchased.
    ii. Total dollar value of the purchased products that are Energy Star and FEMP-sanctioned against the total dollar value of all energy consuming products purchased.

/. Ozone Depleting Substances (ODS) Reports The Contractor shall track and report each January 15 to the JSC Environmental Office the following information for the previous fiscal year related to ODS equipment that the contractor purchases, owns, operates, maintains, or repairs on-site:

a. A list of the names of all EPA-Certified service technicians employed and their certification dates.
b. A list of any ODS recovery/recycling equipment that will be used and copy of the 40 CFR 82.162 EPA registration.
c. A list of any refrigeration/air conditioning units with a full charge of more than 50 pounds, not previously reported, including:
    i. Any identifying equipment numbers.
    ii. Location of the equipment (building/room).
    iii. Owning organization or contract name and number.
    iv. Narrative description of the equipment.
    v. Refrigeration or air conditioning equipment with a full charge of > 50 pounds, permanently removed from service during the year.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
NASA Safety Training Center (NSTC) Safety Training Metrics	06/10/2008	8	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Metrics of Safety related training of NASA and other contractor employees are critical to NASA documentation of its safety and health program compliance and to assure that NASA Training offices have pertinent information on personnel training and development. This data requirement is unique to this contract.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
	DRD 10

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Items 2.a, 2.b and 2.c – Quarterly with each quarterly self evaluation. This may be included in the quarterly self evaluation package per DRD 1. Item 2.d – as requested.

Distribution: Items 2.a, 2.b and 2.c – Same as quarterly self evaluation package in DRD 1. Item 2.d – 1 copy to requestor.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is acceptable.

Details:

1. GENERAL: The Safety and Test Operations Division requires certain training metrics for NSTC course evaluation purposes. This data applies to the NSTC, or any other training activities performed in accordance with the Statement of Work section 8.0, NSTC.

2. DATA: Provide the following to the Safety and Test Operations Division.

   a. Data will include number of students trained in each class, total number of students enrolled and completing the courses, and course evaluation data broken down by instructor performance and course content.

   b. Assess course evaluation data per goals established by COTR.

   c. Provide quarterly progress reports to the COTR noting actual training delivery compared to the annual needs survey (DRD 10).

   d. Provide ad-hoc reports as requested by NASA.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Mishap Statistics Safety Information Management Reports	06/10/2008	9	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Statistical reports on JSC mishap experience are used by JSC and NASA management to assess the effectiveness of the JSC safety program. This data requirement is unique to this contract.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: As described below in paragraph 2, items a – f.

Distribution: As described below in paragraph 2, items a – f.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is generally acceptable. Specific requirements are described below in paragraph 2, items a – f.

Details:

1. GENERAL: The contractor will use IRIS and JSC safety databases to store, retrieve, and analyze information and to produce reports. Additional data collection, analysis, and reporting which are unique to JSC will be specified in contractual direction.

2. REPORTS: Submit the following reports per the frequencies dictated:

   a. Monthly Mishap Metrics Report – Provide this report for the JSC onsite and offsite civil service and contractor population, to include WSTF, as a whole and for each directorate or office. These reports must include the following data as a minimum: frequency (or incidence) rates, severity rates, number of hours worked, number of employees, number of mishaps, number of days lost from work, dollar totals for government property losses incurred by the onsite JSC team of contractor and civil service personnel as well as each separate population (contractor and civil service personnel), the North American Industrial Classification System (NAICS) Code, and the latest available incidence rates for all companies in that NAICS code (available from the Department of Labor or OSHA). Present other data, to include statistical analyses, as required to support any further analysis. Post on the Safety and Health web site by the 20th of each month.

   b. Annual OSHA Report – Provide data for this report to the Safety and Test Operations Division annually. Format varies from year to year, but is generally requested in the form of an executive summary which covers the following topics: a list of safety and health program accomplishments, plans (including goals and objectives) for the coming years, and comments or suggestions relative to OSHA's Federal Agency Program requirements. Provide data to the Safety and Test Operations Division in Microsoft Word via Email by October 31 of each year.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

c. OSHA 300 Log – Prepare this report (Log of Occupational Injuries and Illnesses – OSHA Form 300) for each fiscal year for the JSC civil service population at the JSC site. Follow 29 CFR 1904 – Recording and Reporting Occupational Injuries and Illnesses. Provide a completed (but unsigned) log to the Safety and Test Operations Division for Certifying Official Signature by January 31 of each year. Post on the Safety and Health web site by February 15th of each year.

d. VPP Reports – Three reports are required annually: (1) for JSC "within the fence", (2) for Sonny Carter Training Facility, and (3) for Ellington Field. Prepare each report for the contractor and civil service population as a whole and for each contractor and civil service population separately at each installation. These reports include, as a minimum: frequency (or incidence) rates, severity rates, number of hours worked, number of employees, number of mishaps, number of days lost from work, dollar totals for government property losses incurred by the onsite JSC team of contractor and civil service personnel as well as each separate population (contractor and civil service personnel). Provide the reports via Email to the Safety and Test Operations Division by January 31 of each year.

e. Status Reports – These are monthly status reports on open mishaps, close calls, and hazards, to include as a minimum: description and tracking number of the mishap, close call, or hazard; how long they have been open; why they are open; and responsible JSC or contractor organization. Provide reports via Email to the Safety and Test Operations Division and to each JSC directorate-level organization by the 20th of each month.

f. Response Metrics Reports – These monthly reports show, in graphical form, the responsiveness of center investigations on mishaps and close calls. Provide 1 electronic copy the charts via Email to the Safety and Test Operations Division by the 20th of each month.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Training Needs Survey and Training Schedule (NSTC)	06/10/2008	10	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Identifies NASA safety and risk management training requirements annually to help scheduling of training resources including course development.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Annual by September 15th of each year or as required by the NASA Safety Center.

Distribution: 1 copy via Email to the NASA Safety Center, COTR, and Chief, Safety and Test Operations Division.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: As required by the NASA Safety Center.

Details:

a. Conduct the survey per the requirements of the NASA Safety Center. The survey typically asks customers at all NASA centers to identify the following:

- Training offerings to be scheduled from the catalog of resources available from the NASA Safety Training Center; and
- Training offerings not available from the NASA Safety Training Center catalog, which may be developed by the NSTC or acquired by the NSTC from other sources;
- Number of students who need the training;
- Any special requirements such as tailored content or need dates.

b. Follow the specific instructions provided by NASA Safety Center.

c. Prepare a recommended training schedule for the following fiscal year that meets the needs of the Centers and NASA Headquarters for NASA approval.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Funding Category Report	06/10/2008	11	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)

Provides approach to collecting and processing information of interest to the JSC Institutional Safety Program including related reports and maintenance of information. This data requirement is unique to this contract summary level funding reporting. Provide a basis for reporting and evaluating funding and expenditure in support of the contract. The data contained in reports must be auditable using Generally Accepted Accounting Principles. Supplemental funding reports submitted in addition to the Funding Category Report must be reconcilable to the Funding Category Report.

5. DRD Category: *(check one)*

- ☐ Technical
- ☒ Administrative
- ☐ S&MA

6. References *(Optional)*

7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Monthly no later than 10 working days following the close of the contractor's monthly accounting period.

Distribution: 1 copy to Cost Accounting, Contracting Officer, S&MA Budget/Program Analyst, and COTR.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: The contractor is required to coordinate with the NASA Resource Analyst to establish and maintain the Reporting Categories the Contractor shall use for the summary report, and also determine the format for the summary report.

Details:

The report shall contain the following information for each budget category.

Funding Category	Jan					Feb	Feb	Feb	March	March	March	FY08 Total
Category	**Current Month Actuals**	**GFY Cum Actuals**	**Inception to date Cum Actuals**	**EQ EP**	**Current Month Hours**	**Next Month Estimate**	**Next Month Hours Estimate**	**Next Month EQ EP Estimate**	**Next 2 Month Estimate**	**Next 2 Month Hours Estimate**	**Next Month EQ EP Estimate**	**Current FY EAC**
ex. TSO	$XX	$XX	$XX	X.XX	XX	$XX	XX	X.XX	$XX	XX	X.XX	$XX
ex. Ground Safety	$XX	$XX	$XX	X.XX	XX	$XX	XX	X.XX	$XX	XX	X.XX	$XX

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
SA-1-14, , Monthly Safety and Health Metrics	10/2003 (replaces 08/2003 version)	12	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes selected Safety and Health Program metrics. ***The Office of Primary Responsibility for this DRD is the JSC Safety, Reliability, and Quality Mission Assurance Office.	☐ Technical ☐ Administrative ☒ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
JPR1700.1 JSC Safety and Health Handbook.	DRD 3

8. Preparation Information (Include complete instructions for document preparation)

Frequency of submission: Monthly by 10th of month following month being reported.

Distribution:
NS2/Occupational Safety Branch (2 copies)
SD3/Occupational Health Officer (1 copy)
Contracting Officer's Technical Representative (COTR) (1 copy)

Format: Electronic to NS2, SD3; hard copy to COTR. Send as Excel spreadsheet or in tables compatible with MS Word.

Definitions: Refer to JPR 1700.1 and OSHA requirements for definitions of terms below.

Scope: The scope of the information required is limited to JSC-administered establishments.

Content:

I. Management Commitment and Employee Involvement.

Date of Management Safety Committee Meeting		Type/Title of Meeting	No. of Managers attending		No. of supervisors attending		No. of non-supervisory attending	
This month	Year to date		This month	Year to date	This month	Year to date	This month	Year to date

Include electronic copies of minutes or representative information.

No. of Employee Safety Meeting		Type/Title of Meeting	No. of Employees attending		No. of managers/supervisors attending	
This month	Year to date		This month	Year to date	This month	Year to date

Include electronic copies of minutes or representative information.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

Worksite Analysis. Refer to JPR 1700.1 for definitions of terms.

Division	No. of Hazard Analyses				No. of Job Safety Analyses				No. of Routine Inspections			
	Required		Performed		Required		Performed		Required		Performed	
	This month	Year to Date	This month	Year to Date	This month	Year to Date	This month	Year to Date	This month	Year to Date	This month	Year to Date
Total												

III. Hazard Prevention and Control - hazards below were found during routine and special inspections, close calls, mishap investigations, etc., and require correction.

No. of Hazards found			No. of Hazards closed <30 days			No. of Hazards open <30 days	No. of Hazards open >30 days			No. of Hazards closed >30 days			No. of JF1240s in place
Prior to month	This month	Year to date	Prior to month	This month	Year to date		Prior to month	This month	Year to date	Prior to month	This month	Year to date	

Attach copies (electronic acceptable if sent by e-mail) of JF 1240's (or equivalent) including monthly updates. Mark JF 1240's where abatement has been completed as closed.

IV. Safety and Health Training - List courses specific to loss control initiatives (such as slips/trips falls, material handling; etc.) Report other training as "Generic safety training not otherwise specified" (examples include Hazard Communication, Confined Space entry, HAZWOPER, system safety, job safety analysis, etc.) Do not include job proficiency course work where safety is an issue (such as radiography, welding, painting, etc.)

Course Title	No. to be Trained	No. Trained	On Schedule

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Safety and Health Program Self Evaluation	10/2003 (replaces 04/2003 version)	13	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Self evaluation of Contractor's safety and health program performance.	☐ Technical ☐ Administrative ☒ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
	DRD 3

8. Preparation Information (Include complete instructions for document preparation)

1. The Contractor must conduct an annual self-evaluation of its safety and health program as required by its safety and health plan.

2. Information required:

   2.a. The internal assessment of safety and health program effectiveness during the report period (i.e., the previous year) indicating the status of goals or objectives previously established and areas of strength and weakness in Contractor safety program performance.

   2.b. Safety and health concerns and resolutions relating to JSC operations which may have been identified during the report period.

   2.c. Unresolved safety and health concerns relating to JSC operations which the Contractor feels merit attention of JSC safety and health management.

   2.d. The goals and objectives of the Contractor safety and health program for the next report period.

   2.e. An analysis of the contractor's performance at JSC-administered establishments in each of the 32 Voluntary Protection Program sub-elements found in the Federal Register Notice 65:45649-45663, July 24, 2000.

   2.f. Attach action plans for identified problem areas. Action plans must include schedule for periodic progress reports to the Government on a frequency agreed to by the Government and the Contractor for each problem area.

3. Format to be as required by the cognizant OSHA regional office. Contractors who have submitted a written self-evaluation as a VPP site may submit their original report to JSC in lieu of writing a new self - evaluation provided that all action plans and status are updated.

4. Report due September 30th of each year.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Lessons Learned Program Plan	08/2005	14	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes Process for obtaining Lessons Learned from Contractor for possible publication in JSC Lessons Learned Database and NASA Lessons Learned Information System (LLIS). ***The Office of Primary Responsibility for this DRD is the (AK/Chief Knowledge Officer).	☐ Technical ☐ Administrative ☒ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
JPR 2310.1, JSC Organizational Learning Program NPR 7120.5C, "NASA Program and Project Management Processes and Requirements" NPR 7120.6, "Lessons Learned Process" NPR 8621.1, "NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping" NPR 8715.3, "NASA Safety Manual"	

8. Preparation Information (Include complete instructions for document preparation)

Lessons Learned Program Plan. The contractor will develop and implement a lessons learned program plan consistent with the areas defined in the statement of work and/or the work breakdown structure. A Lessons Learned Program Plan shall be submitted to the COTR and AK/Chief Knowledge Officer. The lessons learned program plan will include:

a. Lessons learned program structure and management responsibility for lessons learned.
b. Lessons Learned advocacy throughout the contracted effort.
c. Approach to selection, review, and validation of lessons learned using contract and government assets.
d. Approach used to balance trade secret and security imperatives vice government rights in data and the need to capture lessons for publication in Government information systems and processes.
e. The dissemination of lessons learned throughout appropriate NASA programs including the retrieval and dissemination of lessons published in the JSC Lessons Learned Database and the NASA Lessons Learned Information System.
f. Information on the successful use of retrieved lessons including how they were used, by whom, for what purposed, and implementation detail delivered to the Government as additional recommendations for previously published lessons.
g. Goals for the contractor's lessons learned program including schedules, scope, breadth, quality, and quantity of lessons the government can expect as delivered lessons. Appropriate metrics for identification, publication, and dissemination are highly desirable.
h. The approach to the selection of media to be used for of supporting data inclusion with each lesson learned (such as photographs, analyses, diagrams, schematics, drawings, and streamed video.)

Access to the JSC Lessons Learned Database and the NASA Lessons Learned Information System.

a. To obtain access privileges to the JSC Lesson learned Database, JSC Domain Internet access is required to enter and review lessons learned information. The JSC lessons learned databases is accessible at http://iss-www.jsc.nasa.gov/ss/issapt/lldb/.

b. To obtain access to the NASA Lessons Learned Information System, go to http://llis.gsfc.nasa.gov/ and follow instructions.

Criteria for Selecting Lessons Learned. Uncommon insight arising from any event or observation that will benefit from sharing with a larger community of interested parties. Lessons learned are intended to prevent recurrence of undesirable events and to allow NASA and its team members to capitalize to the greatest extent practical on unique successes requiring documented insight for retrieval on demand. Sharing of lessons with other Government agencies is also expected.

Frequency of submission for lessons learned. As follows (in order of decreasing Government preference):
a. Data entry to the JSC LLDB or NASA LLIS within 30 days of a triggering event;
b. Within 30 days of a program milestone, mishap investigation, or hazard or other engineering analysis / evaluation is completed; or
c. 30 days prior to end of contract evaluation period or 45 days prior to end of contract, whichever is applicable.

Distribution of Lessons.
Lessons are distributed by entry into the JSC Lessons Learned Database which submits lessons to the NASA Lessons learned Information System once approved and published. The NASA Lessons Learned Information System may be used directly if the contractor is outside the JSC domain or firewall.
Contracting Officer's Technical Representative (COTR) (1 copy)

Content of Lessons.
Subject - one line subject of the lesson.
Lesson Learned - usually one sentence that describes insight gained.
Description of Event - narrative that describes what happened.
Recommendations - may be an action plan, suggestion, etc., that was adopted at event source.
Supporting documentation – submit as needed to augment understanding of lesson (photographs with or without pointers and text labels), illustrations, drawings, etc.).
Contact name and e-mail address (for follow up by Government prior to publication of lesson).

Definitions. Refer to NASA LLIS at http://llis.gsfc.nasa.gov/ and JPR 2310.1, JSC Organizational Learning Program for definitions of terms used.

Evaluation of Contactor Lessons Learned Program performance.
The following characteristics are evaluated by the Government in order of decreasing importance:
1. Effectiveness of approach to lessons learned advocacy.
2. Ability to recognize and capitalize on lessons learned in a timely manner.
3. Breadth of participation by the contracted effort to include from where lessons originate for publication and to whom lessons are disseminated for use by contract assets.
4. Technical quality of lessons submitted including thoroughness and readiness of supporting documentation for publication.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Security Reporting Requirements	04/15/2008	15	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Identifies reporting requirements to JSC Security which affect the contractor's facility and/or personnel and also ensures compliance with applicable NASA and DOD security regulations involving industrial, information, personnel, and administrative/program security.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

A. Provide the following information, in writing (reports, letters, notification), in accordance with the security regulations identified as applicable documents in item C. of this DRD:

1. Industrial, Information, & Personnel Security:

   a. Visit request letters for cleared employees.

   b. Annual renewal visit request letters for cleared employees.

   c. Changed conditions affecting the contractor's facility security clearance (i.e., OODEPs-Officers, Owners, Directors & Executive Personnel; FOCI-Foreign Ownership, Control, or Influence, etc.).

   d. Change in a cleared employee's status and/or an employee participating in special access programs such as the Mission Critical Space Systems Personnel Reliability Program (PRP), NASA Resource Protection (NRP) Program, and Information Technology (IT/AIS) Security Program (i.e., name; marital status; citizenship; death; termination of employment or clearance; different position or work assignment/relocation; employee becomes a representative of a foreign interest, etc.).

   e. Adverse information reports on all non-US employees, employees with personnel security clearances, and employees participating in the NRP, PRP, and/or IT programs at JSC.

   f. Copies of any written reports submitted to the FBI regarding information coming to the contractor's attention concerning actual, probable, or possible espionage, sabotage, or subversive activities at any of its locations.

   g. Security Violations or Incidents including, but not limited to, the following:

      (1) Any loss, compromise, or suspected compromise of classified information, foreign or domestic, shall be reported as follows:

         (a) Initial report -- information obtained during the contractor's preliminary inquiry that confirms that a loss, compromise, or suspected compromise of any classified information has occurred.

(b) Final report -- information based on the completed investigation which contains all employee data and relevant facts pertaining to the employee(s) primarily responsible for the incident; statement of corrective action taken to preclude a recurrence; any disciplinary action taken against the responsible employee(s); and specific reasons for reaching the conclusion that loss, compromise, or suspected compromise occurred or did not occur.

(2) Any "SBU" (Sensitive But Unclassified) information released outside a contractor's facility, except to NASA representatives.

(3) Suspicious contacts -- efforts by any individual to obtain illegal or unauthorized access to classified information and all contacts by cleared employees with known or suspected intelligence officers from any country (or any contact which suggests that the employees concerned may be the target of an attempted exploitation by the intelligence services of another country.

(4) Security equipment vulnerabilities, disposition of classified material terminated from accountability, and/or unauthorized receipt of classified material.

2. Administrative/Physical Security:

In compliance with established internal procedures, the contractor FSO or security manager shall submit a "Contractor Termination Letter" to JSC Security for each affected employee which includes certification that the following government property and/or program participation were returned, destroyed, or canceled:

a. Badge(s).
b. CAA (Controlled Access Area) Card(s).
c. Key(s).
d. Employee's Participation in PRP, NRP, and/or AIS.

3. Other Reportable Incidents (Information Required)

a. Felonies committed by contractor personnel.

b. Espionage or Sabotage.

c. Bombing incidents at contractor facilities or threats which severely impact contract or center activities.

d. Actual demonstrations/strikes (in or outside JSC gates) or planned demonstrations or strikes where violence is threatened involving contractor personnel.

e. Workplace violence (shootings or other violent acts).

f. Any type of incident occurring on NASA/JSC property which results in the death of a person.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

g. Security-related incidents in which the media has become involved and negative publicity is expected.

h. An adverse event in an automated systems environment that would be of concern to NASA management due to a potential for public interest, embarrassment, interruption to computer/network services or protective controls, damage, disaster, discovery of a new vulnerability, etc.

i. Threats against NASA property and personnel.

j. Threats that shall impact NASA missions.

k. Any other type of incident which might have security implications.

B. The requested information (reports, letters, notification) identified in A. shall be delivered as necessary, except A.1.b. which shall be delivered on an annual basis. Delivery instructions are as follows:

1. Mail/deliver information listed in A.1.a. through A.1.f. to the NASA/JSC Industrial Security Specialist, Mail Code JS4.

2. Mail/deliver information listed in A.1.g. to the NASA/JSC Information Security Specialist, Mail Code JS4; cc the JSC Industrial Security Specialist.

3. Mail/deliver information listed in A.2. to the NASA/JSC Badging Manager, Mail Code JS4; cc JSC Personnel Security, Mail Code JS4.

4. Mail/deliver information listed in A.3 to the NASA/JSC Security Branch Chief, Mail Code JS4.

C. Applicable Documents

NPD 1600.2, NASA Security Policy.
NPD 1600.3, Policy on Prevention of and Response to Workplace Violence.
NPR 1371.2, Procedure Requirements for Processing Requests for Access to NASA Installations or Facilities by Foreign Nationals or U.S. Citizens Who are Reps of Foreign Entities.
NPR 1600.1, NASA Security Program Procedural Requirements.
NPR1620.3, Physical Security Requirements for NASA Facilities and Property.
DOD 5220, 22-M, National Industrial Security Program Operating Manual (NISPOM).

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
CISS Contract Phase-in Plan	06/10/2008	16	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes how the contractor will take over the contract from the incumbent.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Submit initial copies with proposal.

Distribution: As described in the RFP.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is acceptable.

Details:

Develop a phase-in plan as follows:

a. Describe in detail the plan for maintaining continuous and efficient operations at JSC. Provide a phase-in schedule for management items to be met.

b. Describe in detail your plans for initial staffing and training your personnel.

c. Describe how you will work with incumbent contractor and NASA, including resources and interfaces expected from each to ensure an effective transition and continuous service for the following critical functions:

- Project Management (SOW section 1)
- Safety Engineering (SOW section 2)
- Fire protection system maintenance (SOW section 6).
- NSTC (SOW section 8)
- Test Safety (SOW section 10)

d. Discuss in detail your specific approach to successfully complete each item described below. For each item, (1) provide a detailed plan, schedule and point of contact responsible for completion of each item; (2) propose objective measures that can be used to determine if the item has been achieved.

Item 1: Your proposed key personnel are committed to employment prior to start of contract.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

Item 2: Your company has completed an inventory of Government furnished property, implemented an appropriate system to account for the property, and signed for accountability of the property prior to start of contract.
Item 3: Your company has completed all Certification and license requirements for the company and all personnel as outlined in the SOW section 1 prior to start of contract.
Item 4: Your company has completed security clearances and badging requirements to ensure employees are cleared for access to JSC prior to start of contract.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Wage/Salary and Fringe Benefit Data	05/14/2008	17	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
The Wage/Salary and Fringe Benefit Data will be used by the NASA Contracting Officer and the Contract Labor Relations Office to provide the necessary data for submittal of Standard Form (SF) 98, Notice of Intention to Make a Service Contract and Response to Notice, to the Department of Labor, and to assist in the monitoring of Service Contract Act compliance.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
	FAR 52.222-41

8. Preparation Information (Include complete instructions for document preparation)

DISTRIBUTION: BJ4/Contracting Officer
BA2/Contract Labor Relations Officer

INITIAL SUBMISSION: 30 Days following start of contract.

SUBMISSION FREQUENCY: Annually, 90 days prior to the anniversary date of the contract.

DATA PREPARATION INFORMATION:

SCOPE: The Wage/Salary and Fringe Benefit Data must be submitted by the Contractor, and any subcontractors which are subject to the provisions of the Service Contract Act, to the Contracting Federal Agency. This requirement is in accordance with FAR regulations 22.1007 and 22.1008.

APPLICABLE DOCUMENTS: None.

CONTENTS: The Wage/Salary and Fringe Benefit Data should contain the data included in the enclosed DRD forms, titled "Wage/Salary Rate Information", "Fringe Benefit for Service Employees", and "Fringe Benefits per Collective Bargaining Agreement". The Wage/Salary Rate Information shall contain a listing of all exempt and nonexempt labor classifications working on the contract. Separate forms should be utilized for classifications working in different geographic areas and for each subcontractor. Wage determination numbers, appropriation labor organization names, and subcontractor names, must be reflected. All nonexempt labor classifications must be matched to wage determination classes or to Collective Bargaining Agreement (CBA) classifications if union represented employees are working on the contract. Annotate exempt or nonexempt and union or nonunion. The current hourly rates should reflect the actual lowest and highest paid employees, along with a computed average rate. State the number of employees working in each category. Separate Fringe Benefit forms should be completed for non-represented classifications and for each separate CBA, if applicable. A separate form must be completed for the prime and each subcontractor. Three hardcopies and one electronic copy of each Collective Bargaining Agreement are required if organized labor is represented on your contract.

FORMAT: The Wage/Salary and Fringe Benefit Data should be in a format substantially the same as enclosed with this DRD. (Forms 2, 3, and 3A)

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

MAINTENANCE: Changes shall be incorporated as required by change page or complete reissue.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

rm 2

WORK SHEET FOR SF-98 DATA
WAGE RATE INFORMATION

CONTRACTORS LABOR CLASSIFICATION	WAGE DETERMINATION CLASSIFICATION	EXEMPT OF NONEXEMPT	UNION OR NONUNION	CURRENT HOURLY RATE	MYE NO OF EMPLOYEES
Illustration of required data:					
Project Manager	Not Required	E	N	$40.00	1
Supervisor	Not Required	E	N	$32.00	1
Electrical Engineer	Not Required	E	N	$26.50 - 30.00	3
Engineering Tech, Jr.	Engineering Tech, I Electronics Tech	N	N	$16.59 - 18.00	12
Electrical Technician	Maint II	N	U	$21.33 - $24.00	4
Secretary	Secretary I	N	N	$14.67 - $17.50	2
File Clerk	General Clerk II	N	N	$12.97	1
Clerical Data Entry	Word Processor I	N	N	$11.45 - $12.90	3

ubmit data in the above illustrated format for all labor classifications used, or planned to be used, on this contract. All contractor labor classifications must be matched to wage determination classes listed in CBA's represented classes or classes shown in WD 2005-2516 for non-represented classes.

CONTRACTORS LABOR CLASSIFICATION	WAGE DETERMINATION CLASSIFICATION	EXEMPT OF NONEXEMPT	UNION OR NONUNION	CURRENT HOURLY RATE	MYE NO OF EMPLOYEES

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

rm 3

FORM 3
Page 1 of 2

FRINGE BENEFITS PER COLLECTIVE BARGAINING AGREEMENT

For period from _____ to _____

Contractor:

Contract Number:

Number of employees in bargaining unit _____

Total number of employees on contract _____

1. Shift Differential: (Describe any pay over and above base rates for 2nd, 3rd, weekend, or other shifts.)

Health and Welfare Items and Other Fringe Items: (Indicate whether or not coverage is provided to employees and state current average hourly cost per employee covered by a Collective Bargaining Agreement.)

Item	Coverage Provided (Yes or No)	Average Hourly Cost
a. Life Insurance		
b. Accidental Death		
c. Disability		
d. Medical and Hospital		
e. Dental		
f. Retirement Plan		
g. Savings/Thrift Plan		
h. Sick Leave		
i. Tuition		
j. Other (Describe)		

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

3. Paid Absences:

	Service Requirement	Days per Year
a. Vacation		
b. Holiday		
c. Sick Leave		
d. Jury Leave		
e. Funeral Leave		
f. Military Leave		
g. Other (Describe)		

4. Severance Pay: (Briefly describe terms and amounts.)

5. Other Fringe Benefits: (Describe any other fringe benefits not included above, and show average hourly cost.)

6. Premium Pay: (Discuss all premium pay provisions not previously shown on this form.)

Signature of Company Representative

Date

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

m 3A

FORM 3A
Page 1 of 1

FRINGE BENEFITS FOR SERVICE EMPLOYEES

For Period from _____ to _____

Contractor:

Number of nonexempt employees on contract: _____

Total number of employees on contract: _____

1. Health and Welfare Items and Other Fringe Items:
(Indicate whether or not coverage is provided to employees and state current average hourly cost per service employee.)

Item	Coverage Provided	Average Hourly Cost
a. Life Insurance		
b. Accidental Death		
c. Disability		
d. Medical & Hospital		
e. Dental		
f. Retirement Plan		
g. Savings/Thrift Plan		
h. Sick Leave		
i. Tuition Reimbursement		
j. Other (Describe)		

2. Paid Absences

	Service Requirement	Days per Year
a. Vacation		
b. Holidays		
c. Sick Leave		
d. Jury Leave		
e. Funeral Leave		
f. Military Leave		
g. Other (Describe)		

_____ _____
Signature of Company Representative Date

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Re-Procurement Data Package	05/14/2008	18	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Provides content and format requirements for delivery to NASA of all analytical model, tools, supporting documentation, equipment and resource/cost information used to perform future re-procurement activities. Note: This data may be disclosed to competing offerors in the future.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

SCOPE: Analytical models, unique tools, supporting documentation, equipment and resource/cost information shall be submitted in accordance with this DRD.

CONTENT:
Data package containing the following:

1. Labor resources:
   a. List of all direct labor skills by labor category segregrated by current Work Breakdown Structure (WBS)
   b. An estimate of the number of indirect labor skills such as business or computer support normally charged through an indirect expense pool or through a service center expense
   c. Current annual average wage rates for each labor category and when these wages were last adjusted for escalation. Also indicate whether any adjustments are projected to be made prior to contract expiration
   d. The number of FTEs (Full Time Equivalents) and the estimated number of productive hours for each labor category currently on contract, segregated by current WBS
   e. Senority level of all skills on the current contract
2. Non-labor resources:
   a. List of all materials, equipment, travel, supplies, etc., and the incurred annual cost by WBS
   b. Provide a discussion associated with the major items identified above, such as the materials estimate includes a prompt payment discount of TBD% due to large volume discounts you have negoiated with your vendors.
3. The projected liability cost associated with unused accrued paid leave associated with non-exempt personnel. Provide a copy of any Collective Bargaining Agreements in place and a current status of any upcoming negotiations with a union.
4. Equipment (additional information to that listed in #2, a., above):
   List of all contractor-owned equipment (at the time of delivery of this DRD) being used in the performance of the contract. The list of equipment shall include:
   a. Description of the equipment (include make and model #)
   b. Location of the equipment (address, builidng and room #)
   c. Date purchased
   d. Purchase price of the equipment
   e. Current depreciated value of the equipment

ORMAT: Electronic format of all submissions shall be compatible with Microsoft Word. Organizational format of the supporting documentation shall be the contractor's.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

OFFICIAL POINT OF RECEIPT: Contracting Officer's Technical Representative (COTR)

FIRST SUBMISSION DATE: 1 year prior to contract end or at Contracting Officer's discretion

FREQUENCY OF SUBMISSION: No periodic submissions required per this DRD (this does not relieve the requirement for periodic or incremental deliveries per other DRDs).

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Conflict of Interest Plan	06/12/2008	19	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
The Conflict of Interest Plan describes how the Contractor will avoid conflicts of interest that could arise by auditing, reviewing, or evaluating its or its team members' hardware or operations provided under other NASA contracts.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*
Clause H.8 of this RFP	

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Submit initial copies for approval by the Contract Start Date and updates as required.

Distribution: 1 copy of the initial plan and any updates to the Contracting Officer, COTR, and Chief, Safety and Test Operations Division.

Subsequent Revisions: Submit revisions for Government approval after any major change in approach to managing conflicts of interest.

Other Deliverables: N/A.

Format: Contractor format is acceptable.

Details:

The Government has determined that performance of the Center Institutional Safety Services contract may create an organizational conflict of interest. The successful offeror will be auditing, evaluating, and reviewing the hardware and operations of other on-site contractors, and these activities might impact the award fee and past performance ratings of these contractors. Therefore, if the Center Institutional Safety Services contractor is auditing, evaluating, or reviewing the hardware or operations of its own company (or any division or subsidiary thereof) or its team members or level-of-effort subcontractors (or any divisions or subsidiaries thereof) on another JSC contract, they may be motivated to report their findings in a manor that would favor that contractor.

Accordingly, the contractor shall provide a plan on how to mitigate or eliminate any conflict of interest that may currently exist (due to existing contracts that the contractor or team members perform at JSC), or that may develop during performance of the Center Institutional Safety Services contract (due to future contract awards). The plan must describe how the contractor will meet the requirements in Clause H.8, "Potential Conflict of Interest," and how to mitigate any conflict of interest so that the Government will be assured of true and independent audits, reviews, and evaluations.

Approval: The plan requires Government approval. The Contractor shall notify the Government of any significant changes to this plan, and shall submit updates to NASA for approval.

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
CISS Metrics	06/10/2008	20	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Metrics of contractor performance to be used in performance reviews.	☒ Technical ☐ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Quarterly with each quarterly self evaluation. This may be included in the quarterly se evaluation package per DRD 1.

Distribution: Same as quarterly self evaluation package in DRD 1.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is acceptable.

tails:

1. GENERAL: The contractor shall provide the metrics outlined in item 2 to be used in Award Fee Evaluations. The Government will evaluate these metrics, along with qualitative strengths and weaknesses in determining Award Fee scores. The contractor may propose additional metrics that may provide meaningful performance measures.

2. DATA:

SOW paragraph	Metric	Remarks	Goal for a "meets"	
1.0	Percent of actions completed by due date		95% meeting due dates or agreed to slip dates	
2.2	Construction inspections per active job site, per week	Indicates the frequency of inspections on job sites	1 inspection per active job site per week	
3.2	Percent completion of annual building inspections	Make allowances for schedule slips beyond contractor's control	97% of inspections scheduled to date	

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

6.0	Percent completion of fire detection system maintenance	NFPA 72 is the standard. Make allowances for circumstances beyond the contractor's control.	97% of required maintenance in NFPA 72 completed, 100% preferred	
6.0	Percent completion of fire suppression system maintenance	Applicable NFPA requirements are the standard. Make allowances for circumstances beyond the contractor's control.	97% of required maintenance in NFPA 72 completed, 100% preferred	
7.1.1	Percent of initial mishap reports entered within 1 working day of receipt		97%	
7.1.1	Percent of initial close reports entered within 3 working days of receipt		97%	
7.1.1	Percent of investigation results and abatement plans entered within 3 working days of receipt		97%	
7.1.1	Percent of close call reporters notified of investigation results within 3 working days of receipt		97%	
8.0	Instructor performance from student evaluations		85% favorable rating	

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

9.0	Course content performance from student evaluations		85% favorable rating	
8.0	Percent of actual training delivered vs. training needs established by survey*	Make allowances for circumstances beyond contractor's control	97% of training scheduled to date	
10.0	Customer satisfaction of test safety support from surveys		85% favorable rating	

* Required by DRD 8

JSC DATA REQUIREMENTS DESCRIPTION (DRD)

(Based on JSC-STD-123)

1. DRD Title	2. Date of Current Version	3. DRL Line Item No.	RFP/Contract No.
Phase-Out Plan	06/10/2008	21	NNJ09JA01C

4. Use (Define need for, intended use of, and/or anticipated results of data)	5. DRD Category: *(check one)*
Establishes how the contractor will turn over the contract to the successor.	☐ Technical ☒ Administrative ☐ S&MA

6. References *(Optional)*	7. Interrelationships *(e.g., with other DRDs) (Optional)*

8. Preparation Information (Include complete instructions for document preparation)

Frequency of Submission: Submit 180 calendar days before contract completion date for approval.

Distribution: 1 copy to the Contracting Officer, COTR, and Chief, Safety and Test Operations Division.

Subsequent Revisions: N/A.

Other Deliverables: N/A.

Format: Contractor format is acceptable.

Details:

Develop a phase-out plan as follows:

1. Describe in detail the plan for maintaining continuous and efficient operations at JSC. Provide a phase-out schedule for management items to be met.

2. Fully describe the contractor's approach to the following issues:
   a) Retention of key personnel.
   b) Turn-over of work-in-progress.
   c) Government property; data and information transfer.
   d) Any other actions required to ensure continuity of operations.

3. Describe an inventory of Government-Furnished Equipment (GFE) between the incumbent and the successor, overseen by the Government.

4. Include:
   a) Reconciliation of all property accounts, requisitions, and work-in-progress.
   b) Turn-in of excess property.
   c) Clean-up of contractor's work areas.
   d) Provision for training the successor's personnel on Government-furnished automated information systems used in performance of this contract.
   e) Specialized equipment.
   f) Ongoing work the successor would be required to complete.

The contractor shall implement the COTR approved Phase-Out Plan 120 days before the end of the contract.

Attachment J-3

Wage Determination

STANDARD FORM 98

January 1996

U.S. DEPARTMENT OF LABOR

EMPLOYMENT STANDARDS ADMINISTRATION

NOTICE OF INTENTION TO MAKE A SERVICE CONTRACT AND RESPONSE TO NOTICE

(See Instructions on Reverse)

1. NOTICE NO.
NASA
60696

eMAIL TO:

Administrator
Wage and Hour Division
U.S. Department of Labor
Washington, DC 20210

2. Estimated solicitation date *(use numerals)*

Month	Day	Year
05	14	08

3. Estimated date bids or proposals to be opened or negotiations begun *(use numerals)*

Month	Day	Year
08	07	08

4. Date contract performance to begin *(use numerals)*

Month	Day	Year
04	01	09

5. PLACE(S) OF PERFORMANCE

Harris County, TX

6. SERVICES TO BE PERFORMED *(describe)*

II: Center Institutional Safety Services
Contract Period: 04/01/09 to 03/31/10

7. INFORMATION ABOUT PERFORMANCE

A. [X] Services now performed by a contractor
B. [ ] Services now performed by Federal employees
C. [ ] Services not presently being performed

8. IF BOX A IN ITEM 7 IS MARKED, COMPLETE ITEM 8 AS APPLICABLE

a. Name and address of incumbent contractor

ME[illegible]chnologies, Inc.
2525 Bay Area Blvd, Suite 300
Houston, TX 77058

b. Number(s) of any wage determination(s) in incumbent's contract

WD 2005-2516

c. Name(s) of union(s) if services are being performed under collective bargaining agreement(s). ***Important:*** Attach copies of current applicable collective bargaining agreements

None

9. OFFICIAL SUBMITTING NOTICE

SIGNED:	DATE
Original signed by	07/25/08
TYPE OR PRINT NAME	**TELEPHONE NO.**
Connie R. Pritchard Contract Labor Relations Officer	281-483-4121

10. TYPE OR PRINT NAME AND TITLE OF PERSON TO WHOM RESPONSE IS TO BE SENT AND NAME AND ADDRESS OF DEPARTMENT OR AGENCY, BUREAU, DIVISION, ETC.

NASA Johnson Space Center
Connie R. Pritchard, Mail Code BA2
2101 NASA Parkway
Houston, TX 77058

RESPONSE TO NOTICE
(by Department of Labor)

A. [X] The attached wage determination(s) listed below apply to procurement.
WD 2005-2516, Rev 8

B. [ ] As of this date, no wage determination applicable to the specified locality and classes of employees is in effect.

C. [ ] From information supplied, the Service Contract Act does not apply *(see attached explanation).*

D. [ ] Notice returned for additional information *(see attached explanation)*

Signed:_____
(U.S. Department of Labor)

_____
(Date)

98-103

COMPUTER-GENERATED 1/96

STANDARD FORM e98a February 1973 U.S. DEPARTMENT OF LABOR Employment Standards Administration	NOTICE OF INTENTION TO MAKE A SERVICE CONTRACT AND RESPONSE TO NOTICE (Attachment A)	11. Notice No. NASA 60696

12. CLASSES OF SERVICE EMPLOYEES TO BE EMPLOYED ON CONTRACT Harris County, TX; 2005-2516, Occupations included in "SCA Directory of Occupations"	13. NUMBER OF EMPLOYEES IN EACH CLASS	14. HOURLY WAGE RATE THAT WOULD BE PAID IF FEDERALLY EMPLOYED
Secretary, I	2	GS-4 $14.33
General Clerk, II	1	GS-3 $12.76
General Clerk, III	2	GS-4 $14.33
Computer Operator, I	3	GS-4 $14.33
Electronics Technician Maintenance, I (Alarm Technician)	9	WG-8 $20.77
Electronics Technician Maintenance, II (Fire Protec. Engin. Tech. II)	5	WG-9 $22.18
Electronics Technician Maintenance, III (Fire Protec. Engin. Tech. I)	2	WG-10 $23.31
Fire Alarm System Mechanic (Technical Specialist)	3	WG-10 $23.31

REGISTER OF WAGE DETERMINATIONS
UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210

Shirley F. Ebbesen
Director

Division of Wage Determinations

Wage Determination No.: 2005-2516
Revision No.: 8
Date of Last Revision: 07/23/2008

State: Texas

Area: Texas Counties of Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Harris, Houston, Jackson, Lavaca, Liberty, Madison, Matagorda, Montgomery, San Jacinto, Trinity, Walker, Waller, Washington, Wharton

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	MINIMUM WAGE RATE
01000 - Administrative Support And Clerical Occupations	
01011 - Accounting Clerk I	14 .58
01012 - Accounting Clerk II	16 .38
01013 - Accounting Clerk III	18 .32
01020 - Administrative Assistant	23 .55
01040 - Court Reporter	21 .79
01051 - Data Entry Operator I	11 .67
01052 - Data Entry Operator II	14 .32
01060 - Dispatcher, Motor Vehicle	15 .40
01070 - Document Preparation Clerk	13 .41
01090 - Duplicating Machine Operator	13 .41
01111 - General Clerk I	10 .80
01112 - General Clerk II	12 .97
01113 - General Clerk III	14 .88
01120 - Housing Referral Assistant	20 .55
01141 - Messenger Courier	11 .95
01191 - Order Clerk I	13 .52

01192 - Order Clerk II	15 .24
01261 - Personnel Assistant (Employment) I	14 .74
01262 - Personnel Assistant (Employment) II	16 .50
01263 - Personnel Assistant (Employment) III	18 .38
01270 - Production Control Clerk	19 .10
01280 - Receptionist	12 .02
01290 - Rental Clerk	14 .75
01300 - Scheduler, Maintenance	15 .92
01311 - Secretary I	15 .92
01312 - Secretary II	17 .73
01313 - Secretary III	20 .55
01320 - Service Order Dispatcher	14 .63
01410 - Supply Technician	23 .55
01420 - Survey Worker	16 .59
01531 - Travel Clerk I	13 .17
01532 - Travel Clerk II	14 .22
01533 - Travel Clerk III	15 .20
01611 - Word Processor I	12 .27
01612 - Word Processor II	14 .75
01613 - Word Processor III	16 .59
05000 - Automotive Service Occupations	
05005 - Automobile Body Repairer, Fiberglass	24 .80
05010 - Automotive Electrician	22 .66
05040 - Automotive Glass Installer	21 .68
05070 - Automotive Worker	20 .91
05110 - Mobile Equipment Servicer	19 .27
05130 - Motor Equipment Metal Mechanic	24 .53
05160 - Motor Equipment Metal Worker	20 .91
05190 - Motor Vehicle Mechanic	24 .53
05220 - Motor Vehicle Mechanic Helper	18 .48
05250 - Motor Vehicle Upholstery Worker	19 .84
05280 - Motor Vehicle Wrecker	20 .91
05310 - Painter, Automotive	22 .66
05340 - Radiator Repair Specialist	22 .88
05370 - Tire Repairer	14 .40

05400 - Transmission Repair Specialist	25 .17
07000 - Food Preparation And Service Occupations	
07010 - Baker	10 .04
07041 - Cook I	8 .65
07042 - Cook II	9 .89
07070 - Dishwasher	8 .11
07130 - Food Service Worker	8 .87
07210 - Meat Cutter	12 .36
07260 - Waiter/Waitress	7 .97
09000 - Furniture Maintenance And Repair Occupations	
09010 - Electrostatic Spray Painter	16 .65
09040 - Furniture Handler	11 .74
09080 - Furniture Refinisher	16 .09
09090 - Furniture Refinisher Helper	13 .74
09110 - Furniture Repairer, Minor	15 .29
09130 - Upholsterer	16 .65
11000 - General Services And Support Occupations	
11030 - Cleaner, Vehicles	9 .90
11060 - Elevator Operator	8 .17
11090 - Gardener	14 .52
11122 - Housekeeping Aide	8 .17
11150 - Janitor	8 .17
11210 - Laborer, Grounds Maintenance	10 .93
11240 - Maid or Houseman	7 .73
11260 - Pruner	8 .99
11270 - Tractor Operator	12 .82
11330 - Trail Maintenance Worker	10 .93
11360 - Window Cleaner	8 .92
12000 - Health Occupations	
12010 - Ambulance Driver	14 .22
12011 - Breath Alcohol Technician	15 .64
12012 - Certified Occupational Therapist Assistant	19 .58
12015 - Certified Physical Therapist Assistant	20 .48
12020 - Dental Assistant	15 .64
12025 - Dental Hygienist	32 .49
12030 - EKG Technician	23 .56

12035 - Electroneurodiagnostic Technologist	23 .56
12040 - Emergency Medical Technician	14 .22
12071 - Licensed Practical Nurse I	18 .29
12072 - Licensed Practical Nurse II	20 .52
12073 - Licensed Practical Nurse III	22 .09
12100 - Medical Assistant	I2 .40
12130 - Medical Laboratory Technician	15 .25
12160 - Medical Record Clerk	13 .21
12190 - Medical Record Technician	16 .02
12195 - Medical Transcriptionist	16 .40
12210 - Nuclear Medicine Technologist	31 .94
12221 - Nursing Assistant I	7 .08
12222 - Nursing Assistant Il	9 .82
12223 - Nursing Assistant III	10 .62
12224 - Nursing Assistant IV	12 .40
12235 - Optical Dispenser	15 .26
12236 - Optical Technician	13 .90
12250 - Pharmacy Technician	17 .44
12280 - Phlebotomist	13 .30
12305 - Radiologic Technologist	24 .27
12311 - Registered Nurse I	28 .55
12312 - Registered Nurse II	33 .22
12313 - Registered Nurse II, Specialist	35 .29
12314 - Registered Nurse III	42 .25
12315 - Registered Nurse III, Anesthetist	42 .25
12316 - Registered Nurse IV	50 .64
12317 - Scheduler (Drug and Alcohol Testing)	19 .86
13000 - Information And Arts Occupations	
13011 - Exhibits Specialist I	19 .30
13012 - Exhibits Specialist II	24 .74
13013 - Exhibits Specialist III	28 .94
13041 - Illustrator I	18 .07
13042 - Illustrator II	22 .56
13043 - Illustrator III	27 .38
13047 - Librarian	26 .69

13050 - Library Aide/Clerk	10 .00
13054 - Library Information Technology Systems Administrator	24 .09
13058 - Library Technician	14 .58
13061 - Media Specialist I	17 .39
13062 - Media Specialist II	19 .46
13063 - Media Specialist III	21 .68
13071 - Photographer I	13 .93
13072 - Photographer II	17 .60
13073 - Photographer III	22 .56
13074 - Photographer IV	26 .40
13075 - Photographer V	30 .06
13110 - Video Teleconference Technician	15 .21
14000 - Information Technology Occupations	
14041 - Computer Operator I	16 .26
14042 - Computer Operator II	18 .19
14043 - Computer Operator III	20 .28
14044 - Computer Operator IV	22 .60
14045 - Computer Operator V	24 .95
14071 - Computer Programmer I (1)	23 .23
14072 - Computer Programmer II (1)	
14073 - Computer Programmer III (1)	
14074 - Computer Programmer IV (1)	
14101 - Computer Systems Analyst I (1)	
14102 - Computer Systems Analyst II (1)	
14103 - Computer Systems Analyst III (1)	
14150 - Peripheral Equipment Operator	16 .26
14160 - Personal Computer Support Technician	22 .60
15000 - Instructional Occupations	
15010 - Aircrew Training Devices Instructor (Non-Rated)	30 .06
15020 - Aircrew Training Devices Instructor (Rated)	36 .39
15030 - Air Crew Training Devices Instructor (Pilot)	43 .20
15050 - Computer Based Training Specialist / Instructor	28 .27
15060 - Educational Technologist	29 .02
15070 - Flight Instructor (Pilot)	43 .20

15080 - Graphic Artist	23 .11
15090 - Technical Instructor	20 .99
15095 - Technical Instructor/Course Developer	25 .68
15110 - Test Proctor	18 .43
15120 - Tutor	18 .43

16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations

16010 - Assembler	9 .03
16030 - Counter Attendant	9 .03
16040 - Dry Cleaner	10 .89
16070 - Finisher, Flatwork, Machine	9 .03
16090 - Presser, Hand	9 .03
16110 - Presser, Machine, Drycleaning	9 .03
16130 - Presser, Machine, Shirts	9 .03
16160 - Presser, Machine, Wearing Apparel, Laundry	9 .03
16190 - Sewing Machine Operator	12 .26
16220 - Tailor	13 .20
16250 - Washer, Machine	9 .91

19000 - Machine Tool Operation And Repair Occupations

19010 - Machine-Tool Operator (Tool Room)	18 .32
19040 - Tool And Die Maker	21 .12

21000 - Materials Handling And Packing Occupations

21020 - Forklift Operator	12 .84
21030 - Material Coordinator	18 .58
21040 - Material Expediter	18 .58
21050 - Material Handling Laborer	12 .26
21071 - Order Filler	11 .46
21080 - Production Line Worker (Food Processing)	12 .84
21110 - Shipping Packer	13 .82
21130 - Shipping/Receiving Clerk	13 .82
21140 - Store Worker I	10 .53
21150 - Stock Clerk	14 .93
21210 - Tools And Parts Attendant	13 .58
21410 - Warehouse Specialist	12 .84

23000 - Mechanics And Maintenance And Repair Occupations

23010 - Aerospace Structural Welder	28 .07
23021 - Aircraft Mechanic I	26 .73
23022 - Aircraft Mechanic II	28 .07
23023 - Aircraft Mechanic III	29 .47
23040 - Aircraft Mechanic Helper	20 .93
23050 - Aircraft, Painter	24 .39
23060 - Aircraft Servicer	23 .28
23080 - Aircraft Worker	24 .53
23110 - Appliance Mechanic	17 .26
23120 - Bicycle Repairer	13 .91
23125 - Cable Splicer	24 .90
23130 - Carpenter, Maintenance	18 .58
23140 - Carpet Layer	16 .21
23160 - Electrician, Maintenance	26 .51
23181 - Electronics Technician Maintenance I	19 .33
23182 - Electronics Technician Maintenance II	23 .28
23183 - Electronics Technician Maintenance III	24 .48
23260 - Fabric Worker	15 .97
23290 - Fire Alarm System Mechanic	18 .14
23310 - Fire Extinguisher Repairer	14 .78
23311 - Fuel Distribution System Mechanic	19 .17
23312 - Fuel Distribution System Operator	16 .33
23370 - General Maintenance Worker	17 .01
23380 - Ground Support Equipment Mechanic	26 .73
23381 - Ground Support Equipment Servicer	23 .28
23382 - Ground Support Equipment Worker	24 .53
23391 - Gunsmith I	14 .78
23392 - Gunsmith II	17 .07
23393 - Gunsmith III	19 .16
23410 - Heating, Ventilation And Air-Conditioning Mechanic	20 .06
23411 - Heating, Ventilation And Air Conditioning Mechanic (Research Facility)	20 .93
23430 - Heavy Equipment Mechanic	17 .68

23440 - Heavy Equipment Operator	18 .14
23460 - Instrument Mechanic	21 .38
23465 - Laboratory/Shelter Mechanic	18 .23
23470 - Laborer	10 .97
23510 - Locksmith	17 .26
23530 - Machinery Maintenance Mechanic	20 .81
23550 - Machinist, Maintenance	20 .16
23580 - Maintenance Trades Helper	13 .58
23591 - Metrology Technician I	21 .38
23592 - Metrology Technician II	22 .31
23593 - Metrology Technician III	23 .25
23640 - Millwright	20 .48
23710 - Office Appliance Repairer	17 .26
23760 - Painter, Maintenance	17 .26
23790 - Pipefitter, Maintenance	19 .44
23810 - Plumber, Maintenance	18 .98
23820 - Pneudraulic Systems Mechanic	19 .16
23850 - Rigger	19 .47
23870 - Scale Mechanic	17 .07
23890 - Sheet-Metal Worker, Maintenance	18 .14
23910 - Small Engine Mechanic	17 .07
23931 - Telecommunications Mechanic I	23 .20
23932 - Telecommunications Mechanic II	24 .23
23950 - Telephone Lineman	23 .20
23960 - Welder, Combination, Maintenance	19 .16
23965 - Well Driller	19 .16
23970 - Woodcraft Worker	19 .16
23980 - Woodworker	13 .67
24000 - Personal Needs Occupations	
24570 - Child Care Attendant	9 .68
24580 - Child Care Center Clerk	12 .06
24610 - Chore Aide	6 .55
24620 - Family Readiness And Support Services Coordinator	11 .43
24630 - Homemaker	15 .41

25000 - Plant And System Operations Occupations

25010 - Boiler Tender	21 .14
25040 - Sewage Plant Operator	17 .00
25070 - Stationary Engineer	21 .14
25190 - Ventilation Equipment Tender	14 .33
25210 - Water Treatment Plant Operator	16 .65

27000 - Protective Service Occupations

27004 - Alarm Monitor	14 .82
27007 - Baggage Inspector	10 .14
27008 - Corrections Officer	18 .04
27010 - Court Security Officer	18 .04
27030 - Detection Dog Handler	17 .90
27040 - Detention Officer	18 .04
27070 - Firefighter	17 .90
27101 - Guard I	10 .14
27102 - Guard II	17 .90
27131 - Police Officer I	23 .33
27132 - Police Officer II	25 .99

28000 - Recreation Occupations

28041 - Carnival Equipment Operator	10 .69
28042 - Carnival Equipment Repairer	11 .24
28043 - Carnival Equpment Worker	8 .25
28210 - Gate Attendant/Gate Tender	13 .90
28310 - Lifeguard	12 .38
28350 - Park Attendant (Aide)	15 .55
28510 - Recreation Aide/Health Facility Attendant	11 .35
28515 - Recreation Specialist	17 .83
28630 - Sports Official	12 .38
28690 - Swimming Pool Operator	15 .85

29000 - Stevedoring/Longshoremen Occupational Services

29010 - Blocker And Bracer	17 .78
29020 - Hatch Tender	17 .78
29030 - Line Handler	17 .78
29041 - Stevedore I	16 .63

29042 - Stevedore II	18 .93
30000 - Technical Occupations	
30010 - Air Traffic Control Specialist, Center (HFO) (2)	38 .22
30011 - Air Traffic Control Specialist, Station (HFO) (2)	26 .36
30012 - Air Traffic Control Specialist, Terminal (HFO) (2)	29 .02
30021 - Archeological Technician I	19 .34
30022 - Archeological Technician II	23 .15
30023 - Archeological Technician III	28 .91
30030 - Cartographic Technician	28 .67
30040 - Civil Engineering Technician	27 .30
30061 - Drafter/CAD Operator I	19 .18
30062 - Drafter/CAD Operator II	23 .15
30063 - Drafter/CAD Operator III	25 .80
30064 - Drafter/CAD Operator IV	29 .47
30081 - Engineering Technician I	16 .59
30082 - Engineering Technician II	20 .41
30083 - Engineering Technician III	22 .83
30084 - Engineering Technician IV	28 .28
30085 - Engineering Technician V	36 .15
30086 - Engineering Technician VI	41 .85
30090 - Environmental Technician	27 .24
30210 - Laboratory Technician	23 .55
30240 - Mathematical Technician	28 .67
30361 - Paralegal/Legal Assistant I	19 .94
30362 - Paralegal/Legal Assistant II	24 .71
30363 - Paralegal/Legal Assistant III	30 .22
30364 - Paralegal/Legal Assistant IV	35 .81
30390 - Photo-Optics Technician	28 .67
30461 - Technical Writer I	20 .79
30462 - Technical Writer II	25 .43
30463 - Technical Writer III	29 .06
30491 - Unexploded Ordnance (UXO) Technician I	24 .29
30492 - Unexploded Ordnance (UXO) Technician II	29 .39
30493 - Unexploded Ordnance (UXO) Technician III	35 .23
30494 - Unexploded (UXO) Safety Escort	24 .29

30495 - Unexploded (UXO) Sweep Personnel	24 .29
30620 - Weather Observer, Combined Upper Air Or Surface Programs (2)	23 .95
30621 - Weather Observer, Senior (2)	27 .71
31000 - Transportation/Mobile Equipment Operation Occupations	
31020 - Bus Aide	10 .55
31030 - Bus Driver	15 .48
31043 - Driver Courier	12 .73
31260 - Parking and Lot Attendant	8 .34
31290 - Shuttle Bus Driver	13 .87
31310 - Taxi Driver	10 .49
31361 - Truckdriver, Light	13 .87
31362 - Truckdriver, Medium	17 .23
31363 - Truckdriver, Heavy	18 .99
31364 - Truckdriver, Tractor-Trailer	18 .99
99000 - Miscellaneous Occupations	
99030 - Cashier	9 .10
99050 - Desk Clerk	10 .65
99095 - Embalmer	21 .55
99251 - Laboratory Animal Caretaker I	9 .49
99252 - Laboratory Animal Caretaker II	10 .62
99310 - Mortician	24 .04
99410 - Pest Controller	14 .21
99510 - Photofinishing Worker	10 .43
99710 - Recycling Laborer	13 .60
99711 - Recycling Specialist	16 .58
99730 - Refuse Collector	12 .13
99810 - Sales Clerk	11 .41
99820 - School Crossing Guard	9 .05
99830 - Survey Party Chief	20 .96
99831 - Surveying Aide	14 .35
99832 - Surveying Technician	18 .13
99840 - Vending Machine Attendant	12 .00
99841 - Vending Machine Repairer	14 .41
99842 - Vending Machine Repairer Helper	12 .31

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of $3.24 per hour computed on the basis of all hours worked by service employees employed on the contract.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of ten paid holidays per year, New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

1) Under the SCA at section 8(b), this wage determination does not apply to any employee who individually qualifies as a bona fide executive, administrative, or professional employee as defined in 29 C.F.R. Part 541. Because most Computer System Analysts and Computer Programmers who are compensated at a rate not less than $27.63 (or on a salary or fee basis at a rate not less than $455 per week) an hour would likely qualify as exempt computer professionals, (29 C.F.R. 541.400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition, because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds $27.63 per hour conformances may be necessary for certain nonexempt employees. For example, if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate, then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally, because job titles vary widely and change quickly in the computer industry, job titles are not determinative of the application of the computer professional exemption. Therefore, the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:
(1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;
(2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;
(3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or
(4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordinance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of $3.35 per week (or $.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations", Fifth Edition, April 2006, unless otherwise indicated. Copies of the Directory are available on the Internet. A links to the Directory may be found on the WHD home page at http://www.dol.gov/esa/whd/ or through the Wage Determinations On-Line (WDOL) Web site at http://wdol.gov/.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
{Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the

contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).

2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

Attachment J-4

Award Fee Plan

AWARD FEE PLAN

I. INTRODUCTION

In accordance with the provisions of the Federal Acquisition Regulation, NASA FAR Supplement, and JSC Implementation, a performance evaluation procedure is established for determination of award fees payable under this Contract. The payment of any award fee is contingent upon compliance with contractual requirements and performance to the degree specified in Appendix 1 to the Award Fee Plan.

The Contractor's performance will be evaluated by the Government in accordance with the procedures set forth below, at the expiration of each period, specified in Appendix 3 to the Award Fee Plan. The evaluation to be performed by the Government will be based on the Government's assessment of the Contractor's accomplishment of the various areas of work covered by the SOW, in accordance with the criteria, weightings, procedures, and other provisions set forth below.

Performance determinations will be made at the end of each 1-year evaluation period as shown in Appendix 3 to the Award Fee Plan. The performance determination for the 1st evaluation period shall include the 45-day phase-in period, if required. All other award fee periods shall be for 1-year.

II. PROCEDURES

A. Quarterly Performance Reviews

The Contractor shall be apprised orally and in writing at quarterly meetings with the COTR and the CO, or their representatives, of the evaluation of the Contractor's performance during the preceding quarter. The purpose of these meetings and letters will be to discuss specific areas, if any, where the Contractor has excelled and where future Contractor emphasis is necessary.

B. PEB

A PEB, comprised of selected technical and administrative personnel of NASA, will evaluate the Contractor's performance after each evaluation period to determine whether and to what extent, the Contractor's performance during the evaluation period is deserving of the payment of award fee. The PEB will review any information available to the Board and will submit its evaluation and performance recommendation, including adjective rating and numerical score, to the Fee Determination Official (FDO).

The Contractor may furnish a self-evaluation for each evaluation period. The self-evaluation must be received by the CO within 14 calendar days of the end of each performance period. The Contractor will be furnished a copy of the PEB's evaluation and recommended score and will be afforded the opportunity to submit additional information for consideration of the FDO. The Contractor's submissions must be made in writing and must be submitted through the CO to the FDO within 7 working days from the date of Contractor receipt of the PEB's evaluation and recommended score.

C. FDO

The FDO, a senior NASA official, will determine the Contractor's performance score in accordance with the procedures set forth below. After considering available and pertinent information and recommendations, the FDO will make a performance determination for each period in accordance with the Appendix 2 to the Award Fee Plan and Clause B.2 entitled *Contract Type With Ceiling Price and Award Fee.*

The FDO will not make a performance determination prior to the expiration of the 7-working-day period prescribed above for Contractor submissions unless the Contractor has affirmatively indicated, in writing, that no further Contractor submission will be made.

III. AWARD FEE EVALUATION CRITERIA AND WEIGHTING

A. In evaluating the performance of the Contractor, the Government will evaluate major elements of Contractor performance.

B. The criteria for evaluation of Contractor performance for determination of award fee are defined below. The Government may unilaterally modify the award fee performance evaluation factors and performance evaluation areas applicable to the evaluation period. The CO shall notify the Contractor in writing of any such changes prior to the start of the relevant evaluation period.

Evaluation Criteria	Weight
1. Technical Performance *	50 Percent
2. Compliance with Safety and Health Requirements **	10 Percent
3. Management*	40 Percent

A zero award fee may be given for a significant safety violation or for a significant breach of security during the performance period (See 1852.223-75, MAJOR BREACH OF SAFETY OR SECURITY).

Factor 1: Technical Performance (Weight = 50 percent)

Performance criterion, in addition to meeting schedules, include successful accomplishment of or reasonable progress on Areas of Emphasis; successful accomplishment of all SOW requirements; customer service; special events support; development and maintenance of standard operating procedures; compliance with DRD's; and metrics 2 -13 in DRD 20. The Government will evaluate strengths and weaknesses to determine the score. Also, the contractor's award fee score may be positively affected by recommendations and innovations, which the contractor provides on its own initiative and are determined by the Government to significantly improve the JSC safety and health program.

Factor 2: Safety and Health (Weight = 10 percent)

Safety and health performance includes safety program implementation, adherence to safety plan, management of safety incidents and injuries, and environmental compliance. Also, the contractor's award fee score may be positively affected by innovations to improve safety and health performance on the contract.

Factor 3: Management (Weight = 40 percent)

Performance criterion, in addition to, include, successful accomplishment of or reasonable progress on Areas of Emphasis; metric 1 of DRD 20; implementation of the Quality Plan; monitoring property; adherence to training plans; development and maintenance of standard operating procedures; compliance with DRD's; coordination with associate Contractors; maintaining an adequate and qualified staff. Also, the contractor's award fee score may be positively affected by beneficial efficiencies and improvements to management of the contract.

In the final award fee period, the contractor's score may be positively affected by cooperativeness with the Government and the new contractor in order to allow for continuity of services and a smooth transition period (See FAR 52.237-3 and Section H.9).

C. To earn any award fee, the Contractor must receive a numerical score of 61 or greater. Appendix 1 to the Award Fee Plan provides the performance level definition adjective ratings and corresponding numerical scores that will be used in evaluating performance. The numerical grade ranges corresponding to these adjective ratings and their conversion to total award fee earned are set forth in Appendix 2 to the Award Fee Plan. Appendix 3 to the Award Fee Plan provides the award fee rate per hour which will be applied to total hours authorized per contract year.

APPENDIX I – EVALUATION DEFINITIONS

ADJECTIVE	DEFINITION	GRADE RANGE
Excellent	Of exceptional merit exemplary performance in a timely, efficient, and economical manner; very minor (if any) deficiencies with no adverse effect on overall performance.	91-100
Very Good	Very effective performance, fully responsive to contract requirements; reportable deficiencies but with little identifiable effect on overall performance.	81-90
Good	Effective performance fully responsive to contract requirements; reportable deficiencies, but with little identifiable effect on overall performance.	71-80
Satisfactory	Meets or slightly exceeds minimum acceptable standards; adequate results. Reportable deficiencies with identifiable but not substantial effects on overall performance.	61-70
Poor/ Unsatisfactory	Does not meet minimum acceptable standards In one or more areas; remedial action required In one or more areas; deficiencies in one or more Areas which adversely effect overall performance.	60 and below

APPENDIX 2 – PERFORMANCE SCORE CONVERSATION CHART

100		100
99		99
98		98
97		97
96		96
95	**Excellent**	95
94		94
93		93
92		92
91		91
90		90
89		89
88		88
87		87
86		86
85	**Very Good**	85
84		84
83		83
82		82
81		81
80		80
79		79
78		78
77		77
76		76
75	**Good**	75
74		74
73		73
72		72
71		71
70		70
69		69
68		68
67		67
66		65
65	**Satisfactory**	65
64		64
63		63
62		62
61		61
60 and below	**Poor/Unsatisfactory**	0

APPENDIX 3 – AWARD FEE DISTRIBUTION

EVALUATION PERIOD	AWARD FEE RATE PER DL HOUR
BASIC PERIOD:	
1. April 1, 2009, to March 31, 2010	$1.32
2. April 1, 2010, to March 31, 2011	$1.35
3. April 1, 2011, to March 31, 2012	$1.39
OPTION 1:	
4. April 1, 2012, to March 31, 2013	$1.43
5. April 1, 2013, to March 31, 2014	$1.47

In order to directly incentivize and reward employees for excellent performance on the CISS contract, both companies (AI and MEI) have committed to sharing a portion of its incentive award fee with the employees if they have a positive annual performance review. For any team yearly evaluation score above ninety, the employees will receive a distribution of everything over $.66/hour award out of the total available $1.32/hour. An employee with a negative annual performance review will not be eligible for the employee incentive award fee distribution.

Attachment J-5
LISTS 1 - 4

Attachment J-5

Installation Accountable Government Property

ECN	Installation No.	Item Name	Manuf. Name	Manuf. Model	Manuf. Serial No.	Cust. Name	Cust. Acct. No.	Cust. Org. Code	User No.	User Name	User Mail	Cost	Nat. Stock No.	Equip. Loc. - Zip Code	Equip. Loc. - Building No.	Equip. Loc. - Room No.	Status	Acquire Date	Inventory Date
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0406	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1089	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	6/4/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0494	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7SN	320CCJ0494	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	T99DX+148W ASTRO	494ACJ1715	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3850	5820	77058	JS-25	925	A	5/10/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	T99DX+148W ASTRO	494ACJ1722	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	[illegible]	5820	77058	JS-25	[illegible]	A	5/10/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	T99DX+148W ASTRO	494ACJ1711	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3850	5820	77058	JS-25	30270	A	5/10/2002	6/29/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	T99DX+148W ASTRO	494ACJ1710	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3850	5820	77058	JS-25	9273	A	5/10/2002	6/29/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0490	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0491	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
1051634	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0492	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0493	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	110	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0502	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0503	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
1051731	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0927	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-404EL	AMBUL	A	5/31/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1147	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	104	A	6/4/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1148	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77055	JS-25	110	A	6/4/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1149	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	6/4/2002	6/29/2007
1051087	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1067	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	6/4/2002	6/26/2007
[illegible]	6	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1085	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	115	A	6/4/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1090	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	115	A	6/4/2002	6/26/2007
[illegible]	6	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHINE	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	[illegible]	7025	77058	JS-920N	1100	A	3/15/1999	12/19/2007
[illegible]	9	COMPUTER, MICRO	INTERNATIONAL BUSINESS MACHINE	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	[illegible]	7021	77058	JS-920N	1100	A	3/19/1999	6/29/2007
[illegible]	9	COMPUTER, LAPTOP	DELL COMPUTER CORPORATION LTD	PPI	[illegible]	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	4151	7021	77058	JS-25	101	A	[illegible]	6/29/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7SN	326CCJ0496	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0504	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/29/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0497	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0498	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	111	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1146	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	6/4/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0515	EDGAR, MARGARET M	NSME	NS	SA1202	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0509	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
2524091	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0507	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	NS25	3475	5820	77058	JS-25	101	A	5/23/2002	6/26/2007
2525341	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0495	EDGAR, MARGARET M	NSME	NS	SA1262	ARMSTRONG, JAMES R	US25	3475	5820	77058	JS-25	101	A	5/23/2002	7/5/2007
[illegible]	9	CAMERA, RECORDING, VIDEO	JVC CO OF AMERICA	[illegible]	14040612	EDGAR, MARGARET M	NSME	NS	HE2490	CARMICHAEL, CORINE A L	[illegible]	700	5820	77058	JS-420N	132	A	7/5/1995	7/20/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1144	EDGAR, MARGARET M	NSME	NS	[illegible]	CHAMPAGNE, TYLER J	NS26C	3475	5820	77058	JS-226	125	A	6/4/2002	6/26/2007
[illegible]	9	PRINTER, ADP	HEWLETT-PACKARD CO	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	1045	7025	77055	JS-220	[illegible]	A	[illegible]	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0409	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	3475	5820	77058	JS-225	124	A	5/23/2002	6/26/2007
[illegible]	9	PROJECTOR, S[illegible]GA	EPSON AMERICA INC	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77055	JS-220	141	A	11/20/1997	6/26/2007
[illegible]	9	PROJECTOR	INFOCUS SYSTEMS	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	JS-220	155	A	[illegible]	6/26/2007
[illegible]	[illegible]	COMPUTER, LAPTOP	DELL COMPUTER CORPORATION LTD	PP	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	4151	7021	77058	JS-226	155	A	[illegible]	6/26/2007
[illegible]	[illegible]	CAMERA, DIGITAL [illegible]	SONY CORP	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	264	[illegible]	77058	JS-220N	133	A	10/30/2002	[illegible]
[illegible]	9	COMPUTER, MICRO	DELL COMPUTER CORPORATION LTD	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7021	77058	JS-25	111	A	6/1/2004	6/26/2007

ECN	Installation No.	Item Name	Manuf. Name	Manuf. Model	Manuf. Serial No.	Cust. Name	Cust. Acct. No.	Cust. Org. Code	User No.	User Name	User Mail	Cost	Nat. Stock No.	Equip. Loc. - Zip Code	Equip. Loc. - Building No.	Equip. Loc. - Room No.	Status	Acquire Date	Inventory Date
[illegible]	9	PLOTTER, ADP	HEWLETT-PACKARD CO	[illegible]	NONE	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	[illegible]	104	A	[illegible]	[illegible]
[illegible]	9	DISPLAY UNIT	EDWARDS SYSTEM TECHNOLOGY INC	UNKNOWN	UNKNOWN	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7025	[illegible]	[illegible]	3110	A	10/17/2002	[illegible]
[illegible]	9	DISPLAY UNIT	EDWARDS SYSTEM TECHNOLOGY INC	UNKNOWN	UNKNOWN	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7025	77058	[illegible]	3110	A	10/17/2002	[illegible]
[illegible]	9	COMPUTER, MICRO	EDWARDS SYSTEM TECHNOLOGY INC	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	[illegible]	[illegible]	A	[illegible]	[illegible]
[illegible]	9	PRINTER, ADP	OKIDATA CORP	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7025	77058	[illegible]	[illegible]	A	[illegible]	6/26/2007
[illegible]	9	PRINTER, ADP	OKIDATA CORP	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	[illegible]	3110	A	[illegible]	[illegible]
[illegible]	9	COMPUTER, MICRO	EDWARDS SYSTEM TECHNOLOGY INC	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	[illegible]	[illegible]	A	10/17/2004	[illegible]
[illegible]	9	DISPLAY UNIT	EDWARDS SYSTEM TECHNOLOGY INC	UNKNOWN	UNKNOWN	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7025	77058	[illegible]	[illegible]	A	10/17/2004	[illegible]
[illegible]	9	PRINTER, ADP	OKIDATA CORP	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	[illegible]	77058	JS-25	[illegible]	A	[illegible]	[illegible]
[illegible]	9	COMPUTER, MICRO	EDWARDS SYSTEM TECHNOLOGY INC	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	7021	77058	[illegible]	[illegible]	A	10/17/2003	6/29/2007
[illegible]	9	TELEVISION SET	SAMSUNG ELECTRONICS	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	5820	77058	[illegible]	120	A	11/27/2006	6/26/2007
[illegible]	9	TELEVISION SET	SAMSUNG ELECTRONICS	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	NU6170	EDGAR, MARGARET M	NS226ME	[illegible]	5820	77058	[illegible]	120	A	11/27/2006	6/26/2007
[illegible]	9	PROJECTOR, [illegible]	EPSON AMERICA INC	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	GRECO, LARRY A	NS225	[illegible]	[illegible]	77058	[illegible]	145	A	[illegible]	[illegible]
[illegible]	9	PROJECTOR	INFOCUS SYSTEMS	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	GRECO, LARRY A	NS225	[illegible]	[illegible]	77058	[illegible]	145	A	[illegible]	6/26/2007
[illegible]	9	DISPLAY UNIT	MITSUBISHI ELECTRIC CORP	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	HOBSON, PATRICIA L	NS225	[illegible]	[illegible]	77058	JS-220N	1505	A	[illegible]	6/26/2007
[illegible]	9	PRINTER, ADP	HEWLETT-PACKARD CO	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	HOBSON, PATRICIA L	NS225	[illegible]	[illegible]	77058	JS-220N	1505	A	[illegible]	[illegible]
[illegible]	9	PRINTER, ADP	HEWLETT-PACKARD CO	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	INGRAM, BRANDY M	NS225	[illegible]	[illegible]	77058	[illegible]	[illegible]	A	[illegible]	[illegible]
[illegible]	9	PRINTER, ADP	HEWLETT-PACKARD CO	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	PETERSON, MARY L	NS225	[illegible]	7025	77058	JS-220	[illegible]	A	[illegible]	6/26/2007
[illegible]	6	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0501	EDGAR, MARGARET M	NSME	NS	[illegible]	SULLINGER, CARL T	NS220	3475	5820	77058	JS-220	101	A	5/23/2002	6/26/2007
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ0500	EDGAR, MARGARET M	NSME	NS	[illegible]	SULLINGER, CARL T	NS220	3475	5820	77058	JS-220	104	A	5/23/2002	7/5/2007
[illegible]	9	PRINTER, ADP	HEWLETT-PACKARD CO	[illegible]	[illegible]	EDGAR, MARGARET M	NSME	NS	[illegible]	WATSON, PAMELA A	NS220ME	[illegible]	7025	77058	JS-220N	[illegible]	A	[illegible]	[illegible]
[illegible]	9	RECEIVER-TRANSMITTER RADIO	MOTOROLA COMMUNICATIONS GROUP	H09RDF9PW7N	320CCJ1145	EDGAR, MARGARET M	NSME	NS	[illegible]	WINTERS, JOHN H	NS220	3475	5820	77058	JS-220	109	A	6/4/2002	6/26/2007

ECN	Installation No.	Item Name	Manuf. Name	Manuf. Model	Manuf. Serial No.	Cust. Name	Cust. Acct. No.	Cust. Org. Code	User No.	User Name	User Mail	Cost	Nat. Stock No.	Equip. Loc. - Zip Code	Equip. Loc. - Building No.	Equip. Loc. - Room No.	Status	Acquire Date	Inventory Date

Model	Name	Qty	Cost	Total Cost
[illegible]	Impress Portable (TS...) Battery	[illegible]	$ [illegible]	$ [illegible]
[illegible]	Battery [illegible]	1	$ [illegible]	$ [illegible]
[illegible]	[illegible]	[illegible]	$ [illegible]	$ [illegible]
[illegible]	[illegible]	[illegible]	$ [illegible]	$ [illegible]
[illegible]	[illegible]	[illegible]	$ 24.1[illegible]	$ [illegible]
[illegible]	[illegible]	2	$ [illegible]	$ [illegible]
	TOTAL			$ [illegible]

LOTO lock 1.5 [illegible]

LOTO lock 1.0[illegible] 758

Attachment J-5

Installation Accountable Government Property - Critical Spares

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
1.	1290014613928	MODULE	DUAL INPUT 7456	7	81.78	7	09/09/94	07/26/07	FOR CONTROL PANEL MODELS XL3, MXL AND IXL. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
2.	2540014426140	BASE	5 7/8 INCH DIAMETER, 2 1/4 INCH HEIGHT, 2 WIRE 7456	6	6.95	6	11/03/94	08/11/05	SIMPLEX HEAT DETECTOR MODELS 2098 AND 4098. SIMPLEX PART NUMBER LISTED BELOW.
3.	4210011237286	MODULE	RELAY 7456	4	149.13	4	09/08/94	02/22/05	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
4.	4210011318754	MODULE	SWITCH, .05 AMP, 120 VOLTS, TWO SINGLE POLE, DOUBLE 7456 THROW, YELLOW LED INDICATOR	2	88.49	2	09/09/94	02/26/08	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
5.	4210011852762	DETECTOR	FIRE DETECTOR 7456	30	47.60	30	12/12/91	11/20/07	IONIZATION, DUAL CHAMBER, HIGHLY STABLE SOLID STATE AMPLIFIER SWITCHING CIRCUIT. FIRST RESPONSE TO FIRE IN THE FORM OF SMOKE OR INVISIBLE PRODUCTS OF COMBUSTION, UL LISTED. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
6.	4210014474180	PULL BOX	ALUMINUM WITH RED LETTERING 7456	29	17.70	30	08/19/94	09/06/06	MANUAL STATIONS, NON-CODED. NOTIFIER PART NUMBERS LISTED BELOW.
7.	4210014474182	PULL BOX	RED ALUMINUM WITH SILVER LETTERING 7458	30	18.59	30	08/17/94	09/06/06	MANUAL STATIONS, NON-CODED. NOTIFIER PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
8.	4210015535046	RELEASING DEVICE	PRESSURE SETTING: 1/2" X 1-1/4", VENT RATING: 40, 7546 MECH LOAD: 50 POUNDS	1	45.00	1	06/15/95		FOR SUPROTEX DELUGE, UNSUPERVISED PRE-ACTION OR DELUGE VALVE OPERATIONS. SINGLE ACTING DIAPHRAGM, CAST IRON HOUSING. AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
9.	431000JSC5239	DIAPHRAGM	BLACK, 2 INCH DIAMETER 7851	1	241.90	1	04/07/98	07/26/06	FOR ELLINGTON BUILDING 135 AND 276 DELUGE SYSTEM. BUNA-N-RUBBER. GRINNELL PART NUMBER LISTED BELOW.
10.	431000JSC5244	PUMP	7930	1	589.00	1	09/20/01		FOR RETROFIT PROTEC CLOUD CHAMBER. VACUUM PUMP. SAFE FIRE DETECTION PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
11.	432000JSC5163	KIT	VACUUM PUMP KIT, REBUILD, 2 ITEMS PER KIT 7908	1	99.00	1	04/20/00		FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION LISTED BELOW.
12.	432000JSC5164	PUMP	VACUUM 7889	1	924.00	1	04/20/00	01/03/08	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
13.	472000JSC5440	HOSE	RED, 1/4 INCH INSIDE DIAMETER, 5/8 INCH OUTSIDE DIAMETER 2624	1	1,237.50	1	09/27/94	11/30/05	SMOOTH INSIDE SURFACE, 500 PSI, -67 TO 158 DEGREE F TEMPERATURE RANGE, TWO BRAID, WILL NOT SNAKE OR TWIST UNDER PRESSURE. NOLAND AND GATES PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
14.	4810013008569	MODULE	RELEASING DEVICE, 5 MILLIAMPS NORMAL, 1.5 AMPS MAXIMUM, 7456 3 OHMS MAXIMUM LINE RESISTANCE	2	111.75	2	09/08/94	06/15/06	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
15.	4820002018362	REGULATOR	1 3/4 INCH DIAPHRAGM, 4-80 PSIG DELIVERY RANGE, 7855 3000 PSIG INLET, 540 CGA INLET CONNECTION	1	115.08	1	04/01/98	10/27/06	GAS SERVICE OXYGEN, MODEL SR250. FORGED BRASS BODY AND HOUSING CAP, TWO-2 INCH DIAL PRESSURE GAUGES. VICTOR PART NUMBER LISTED BELOW.
16.	482000JSC5826	AIR PLATE	4 INCH DIAMETER 7546	1	26.50	1	06/15/95		FOR DRY PIPE VALVE C-2. RUBBER MATERIAL. VIKING PART NUMBER LISTED BELOW.
17.	482000JSC5828	SEAT	4 INCH, CLAPPER 7456	2	63.00	2	06/15/95		FOR VIKING DELUGE VALVE MODEL D-5. VIKING PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
18.	482000JSC5834	SEAT	3 INCH, INNER DIAPHRAGM 7456	2	63.00	2	06/15/95	12/13/02	FOR VIKING DELUGE VALVE MODEL D-5. VIKING PART NUMBERS LISTED BELOW.
19.	482000JSC5850	VALVE	DIFFERENTIAL 7585	4	35.33	4	09/01/95		FOR 3 INCH DRY PIPE VALVE MODEL G. STAR SPRINKLER PART NUMBER LISTED BELOW.
20.	482000JSC5856	CHAMBER ASSEMBLY	VALVE 7703	0	1,116.40	1	05/29/96	09/03/96	FOR IFD II DETECTOR. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
21.	482000JSC5857	VALVE	ROTOR 7703	1	900.00	1	05/29/96	02/05/97	FOR IFD II DETECTION. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
22.	4820015535044	KIT	KIT INCLUDES: SEAT GASKET #1102 AND COVER GASKET #1103 7585	2	39.85	2	11/22/95		FOR 4 INCH DRY PIPE VALVE, GRUNAU MODEL A. KIT CONSISTS OF: 1. ONE COVER GASKET, P/N 1103 2. ONE SEAT GASKET, P/N 1102 STAR SPRINK
23.	533000JSC5789	FACING	2 INCH MODEL C 7546	2	43.24	1	06/15/95		RELIABLE AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
24.	533000JSC5791	SEAL	2 1/2 INCH DIAMETER 7546	4	13.53	4	06/15/95	08/04/03	FOR 6 INCH AUTOMATIC DELUGE VALVE MODEL C. AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
25.	533000JSC5797	FACING	4 INCH MODEL B WETPIPE 7546	2	11.00	2	06/15/95		RELIABLE AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
26.	533000JSC5798	FACING	4 INCH MODEL C-1 DRYPIPE VALVE 7546	1	128.00	1	06/15/95	05/12/05	RELIABLE AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
27.	533000JSC5799	FACING	6 INCH MODEL B WETPIPE VALVE 7546	2	5.00	2	06/15/95		RELIABLE AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
28.	533000JSC5805	FACING	4 INCH MODEL A-4 MULTIMATIC DELUGE VALVE 7546	1	38.00	1	06/15/95		RUBBER. GRINNELL PART NUMBERS LISTED BELOW.
29.	533000JSC5806	FACING	6 INCH MODEL A-4 MULTIMATIC DELUGE VALVE 7546	1	39.60	1	06/15/95		RUBBER. GRINNELL PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
30.	533000JSC5817	WASHER	7546	1	29.70	1	06/15/95		FOR FOUR INCH ALARM VALVE MODEL F. BRASS. FIREMASTER SPRINKLER PART NUMBER LISTED BELOW.
31.	533000JSC5820	FACING	4 INCH MODEL A ALARM VALVE 7546	4	22.90	4	06/15/95		RUBBER. GRINNELL PART NUMBERS LISTED BELOW.
32.	533000JSC5848	O-RING	CLOUD CHAMBER 7904	11	2.03	37	04/20/00	08/25/05	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
33.	534000JSC8484	AIR SEAT	7546	1	48.89	1	06/15/95		FOR 3 INCH DRY PIPE VALVE MODEL G. STAR SPRINKLER PART NUMBER LISTED BELOW.
34.	534000JSC8486	DISC	OUTER 7546	2	36.61	2	06/15/95		FOR 3 INCH DRY PIPE VALVE MODEL G. STAR SPRINKLER PART NUMBER LISTED BELOW.
35.	534000JSC8502	PLATE	MOTOR ASSEMBLY 7703	1	24.10	1	05/29/96	09/03/96	FOR IFD II DETECTOR. ENVIRONMENT ONE PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
36.	534000JSC8503	PLATE	SEAL 7703	1	120.40	1	05/29/96	09/03/96	FOR IFD II DETECTOR. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
37.	534000JSC8504	RING	3 INCH DIAMETER, 25 PER BOX 7591	2	24.13	2	08/16/96		SPLIT KEY, NICKEL PLATE FINISH. LUCKY LINE PART NUMBER LISTED BELOW.
38.	534000JSC8510	STRAP	GROUNDING 7936	4	4.74	4	06/21/02	08/20/02	FOR FIRE ALARM. EDWARDS SYSYTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
39.	5340014488647	PLATE	7456	100	2.83	100	07/12/95	06/06/05	FOR HEAT DETECTOR SERIES 500. THERMAL PLASTIC POLYPROPYLENE. FOR MOUNTING 3 TO 4 INCH JUNCTION BOX OR PLASTIC RING. BADGER/CHEMETRONICS PART NUMBER LISTED BELOW.
40.	536000JSC5320	SPRING	7546	1	3.30	1	06/15/95		FOR 4 INCH FIRE ALARM VALVE MODEL E. WET-PIPE SPRINKLER SYSTEM. RELIABLE AUTOMATIC SPRINKLER PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
41.	536000JSC5321	SPRING	DIFFERENTIAL 7546	2	6.22	2	06/15/95		FOR 3 INCH DRY PIPE VALVE MODEL G. STAR SPRINKER PART NUMBER LISTED BELOW OR EQUAL.
42.	536000JSC5322	SPRING	FOR 8 INCH MODEL A WET PIPE VALVE 7546	3	25.38	3	06/16/95	09/10/03	AUTOMATIC SPRINKLER PART NUMBER LISTED BELOW.
43.	536000JSC5324	FACING	4 INCH MODEL E ALARM VALVE 7543	1	22.29	1	07/21/95		RELIABLE AUTOMATIC SPRINKLER PART NUMBERS LISTED BELOW.
44.	536000JSC5325	SPRING	FOR 3 INCH STAR DRY PIPE VALVE 7585	4	6.36	4	12/11/95		STAR SPRINKLER PART NUMBER LISTED BELOW.
45.	536500JSC5830	RING	RETAINING, 10 PER PACKAGE 7905	2	18.70	2	04/20/00		FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
46.	536500JSC5831	RING	RETAINING, 10 PER PACKAGE 7906	1	68.60	1	04/20/00	10/06/04	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
47.	582000JSC5677	COMPUTER ASSEMBLY	7458	1	2,681.62	1	03/28/96	01/02/03	FOR D-500 PLUS RADIO ALARM, COMPUTER-AIDED DISPATCH INFORMATION AND MANAGEMENT REPORTS. MONACO PART NUMBER LISTED BELOW.
48.	582000JSC5678	MONITOR	COLOR, 14 INCH, VIDEO ASSEMBLY, REPAIRABLE 7458	1	203.55	1	03/28/96		FOR D-500 PLUS RADIO ALARM, COMPUTER-AIDED DISPATCH INFORMATION AND MANAGEMENT REPORTS. MONACO PART NUMBER LISTED BELOW.
49.	582000JSC5679	PRINTER	REPAIRABLE 7458	1	316.33	1	03/28/96	06/13/02	FOR D-500 PLUS RADIO ALARM, COMPUTER-AIDED DISPATCH INFORMATION AND MANAGEMENT REPORTS. MONACO PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
50.	582000JSC5680	ASSEMBLY	RFM 5000, CUSTOM OPTION, REPAIRABLE 7458	1	2,195.00	1	03/28/96	01/02/03	FOR D-500 PLUS RADIO ALARM, COMPUTER-AIDED DISPATCH INFORMATION AND MANAGEMENT REPORTS. MONACO PART NUMBER LISTED BELOW.
51.	583500JSC5141	LAMP	7456	3	10.00	3	09/08/94		FOR FIRE CONTROL PANEL MODEL AM2020 AND SYSTEM 5000. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
52.	589500JSC5175	MODULE	COMMUNICATI ON, 5 VOLT INPUT + OR - 5%, 20 MILLIAMPS 7456	1	81.00	1	09/08/94		FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
53.	589500JSC5176	TRANSCEI-VER	16 X 12 X 4 INCH, NEMA 1 ENCLOSURE, 16 ZONES, TYPE BT2-4/EF, 7456 60 HOUR BATTERY BACKUP AND CHARGING CIRCUITRY	0	3,415.87	2	09/08/94	09/13/05	PROVIDES DTMF ENCODED RADIO TRANSMISSION OF ALARMS, TROUBLES AND RESTORATIONS. MONACO ENTERPRISES PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
54.	589500JSC5177	TRANSCEI-VER	BT2-3 , NARROWBAND, 5 ZONES OF ALARM AND TROUBLE REPORTING, 7456 4 WATT, NEMA 1 ENCLOSURE 20 X 12 X 4 INCH, 60 HOUR BATTERY BACKUP AND CHARGING CIRCUITRY	0	2,956.10	2	09/08/94	12/12/03	PROVIDES DTMF ENCODED RADIO TRANSMISSION OF ALARMS, TROUBLES AND RESTORATIONS. MONACO ENTERPRISES PART NUMBERS LISTED BELOW.
55.	590500JSC5816	THERMIS-TOR	MATCHED SET 7456	2	192.79	2	12/05/94	10/26/95	FOR INLET SELECTOR MANIFOLD ASSEMBLY. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
56.	5905014554042	THERMIS-TOR ASSEMBLY	1/8 INCH MALE PIPE, 2-3 INCH WIRE LEADS 7456	5	61.94	5	12/05/94	08/28/97	THERMAL RESISTOR, BRASS, WATER FILLED BULB, NYLON JACKET COVER. ENVIRONMENT ONE PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
57.	5920012341907	ARRESTOR	INCLUDES TWO 10 INCH STRIPS COAX SEAL, BOX ENCASED 7456	2	74.99	2	09/08/94	05/11/05	FOR MONACO RADIO ALARM SYSTEM. STATIC DISCHARGE UNIT PROTECTS AGAINST NUCLEAR ELECTROMAGNETIC PULSE AND LIGHTNING SURGE VOLTAGES. MONACO ENTERPRISES PART NUMBER LISTED BELOW.
58.	5930005484240	SWITCH	460 VOLTS AC, 250 VOLTS DC, SPDT 7547	1	37.12	1	08/28/95		ONE POSITION MOMENTARY SINGLE UNIT. FULLY ENCLOSED, 23M HOLE MOUNTED. HONEYWELL PART NUMBER LISTED BELOW.
59.	593000JSC5593	SWITCH KIT	7478	1	50.00	1	08/17/94	12/22/05	ANNUNCIATOR KEY, FOR CONTROL SWITCHES ON THE ACM/AEM-16AT, ACCESS SECURITY. KIT INCLUDES: 1. KEY 2. HARDWARE FOR MOUNTING 3. AD

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
60.	593000JSC5594	SWITCH	CONTACT RATINGS: 10 AMPS 125 VOLTS AC, 2.5 AMPS 24 VOLTS DC 7456	2	59.56	2	08/19/94	08/09/06	POST INDICATOR, FOR SUPERVISING ABNORMAL CONDITIONS OF WATER VALVES. DIE CAST METAL HOUSING, 3/4 INCH TAPPED CONDUIT POST INDICATOR. NOTIFIER PART NUMBER LISTED BELOW.
61.	593000JSC5597	SWITCH	2 INCH 7456	2	116.00	2	08/19/94	11/30/06	FOR WETPIPE SPRINKLER SYSTEMS. CONTACT RATINGS: 10 AMPS AT 125 VOLTS AC, 2.5 AMPS AT 24 VOLTS DC, FLOW RATE 4-10 GPM MINIMUM, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 175 PSI PRESSURE RATING. NOTIFIER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
62.	593000JSC5599	SWITCH	6 INCH 7456	2	113.10	2	08/19/94	12/01/06	FOR WETPIPE SPRINKLER SYSTEMS. CONTACT RATINGS: 10 AMPS AT 125 VOLTS AC, 2.5 AMPS AT 24 VOLTS DC, FLOW RATE 4-10 GPM MINIMUM, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 175 PSI PRESSURE RATING. NOTIFIER PART NUMBERS LISTED BELOW.
63.	593000JSC5600	SWITCH	125/250 VOLTS, 24 VOLTS DC, 10 AMPS, TWO SPDT 7456	2	77.30	2	08/19/94	06/08/06	SUPERVISORY. FOR GATE VALVE. NOTIFIER PART NUMBER LISTED BELOW.
64.	593000JSC5601	SWITCH	1/2 AMPS, 125 VOLTS, 1/4 AMPS, 250 VOLTS DC, SPDT 7456	4	17.43	2	09/08/94	09/13/05	TAMPER, TYPE BT2-4. MONACO PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
65.	593000JSC5603	SWITCH	10-200 PSIG, 8 PSIG DEADBAND, SWITCH ACTION; SPST OPENS ON 7456 INCREASE, ELECTRICAL RATINGS; 120/240 VOLTS AC, 10/5 AMPS AC, 120/240 VOLTS DC, 10/5 AMPS DC, HP 3/4 AC, 1/3 DC.	0	121.59	2	11/03/94		FOR GASES, STEAM, AND LIQUIDS. 403 STAINLESS STEEL BOURDON TUBE, VISIBLE CALIBRATED DIAL, AJUSTABLE DEADBAND, MERCURY SWITCH OPERATION. MERCOID PART NUMBER LISTED BELOW.
66.	593000JSC5605	SWITCH	3/4 INCH THREADS 7456	0	4.50	5	11/03/94		AUTOMATIC DOOR. ACCOMMODATES WIRING DEVICES AND ACT AS PULL BOXES FOR CONDUCTORS. THREADED FOR RIGID CONDUIT, WITH MOUNTING LUGS. CROUSE-HINDS PART NUMBER LISTED BELOW.
67.	593000JSC5606	SWITCH	125 VOLTS AC, .1 AMP, ONE RED WIRE, ONE YELLOW WIRE 7456	0	3.00	4	11/03/94		SONTRIX PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
68.	593000JSC5611	SWITCH	1 1/2 INCH 7456	1	70.00	1	12/02/94		FOR WETPIPE SPRINKLER SYSTEMS. CONTACT RATINGS: 10 AMPS AT 125 VOLTS AC, 2.5 AMPS AT 24 VOLTS DC, FLOW RATE 4-10 GPM MINIMUM, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 175 PSI PRESSURE RATING. NOTIFIER PART NUMBERS LISTED BELOW.
69.	593000JSC5612	SWITCH	RED, 1/2 INCH CONNECTION, 10 TO 130 PSI RANGE, 300 PSI, 7456 SPDT	3	150.99	3	12/02/94	12/07/06	DUAL, SUPERVISORY/CONTR OL SWITCH. DIE CAST ALUMINUM CASE. SPRINKLER. UNITED ELECTRIC CONTROLS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
70.	593000JSC5613	SWITCH	1/2 INCH NPT, SPDT, 3 WIRE LEADS 7456	1	35.00	1	12/05/94		SUPERVISES OPEN POSITION OF OUTSIDE SCREW AND YOKE GATE VALVES, CONTROLLING WATER SUPPLIES TO AUTOMATIC SPRINKLER FIRE PROTECTION SYSTEMS. KILLARK PART NUMBER LISTED BELOW.
71.	593000JSC5634	SWITCH	7547	1	70.61	1	08/23/95	07/29/02	KEY OPERATED, ID NUMBER T159, 2 POSITION MAINTAINED. G.E. PART NUMBER LISTED BELOW.
72.	593000JSC5642	SWITCH	2 INCH SIZE, 2 SETS OF SPDT CONTACTS 7752	1	68.78	1	11/06/96		FOR WET SPRINKLER SYSTEMS. VANE-TYPE. POTTER ELECTRIC PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
73.	593000JSC5643	SWITCH	ELECTRICAL RATINGS: 5 HP, 3 PHASE 250 PSI MAXIMUM 7853	2	176.13	2	04/02/98	12/07/06	FOR HEAVY DUTY AIR COMPRESSORS. STEEL CASE AND COVER, VISIBLE CONTACTS, NO DRIFT PRESSURE SETTINGS, CAPTIVE COVER NUT, TWO GROUND SCREWS, AUTOMATIC UNLOADER VALVE. FURNAS PART NUMBER LISTED BELOW.
74.	5930012314542	PULL STATION	SINGLE ACTION, PULL DOWN LEVER, SWITCH: N.O. SPST, 7768 .75 AMP @ 125 VOLTS AC/DC	5	55.00	5	01/31/97		MOLDED POLYCARBONATE CONSTRUCTION, SHOCK AND VIBRATION RESISTANT, UL LISTED. RED MATTE FINISH, WHITE LETTERING. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
75.	5930012326513	SWITCH	TRIPLE BIASED, SPDT, 3/16 TO 5/8 INCH GAP 7456	4	132.05	4	11/03/94	12/26/00	HIGH SECURITY, ANODIZED ALLOY HOUSING, 3 FOOT STAINLESS STEEL ARMORED CABLE, CONTACT DOOR. SENTROL PART NUMBER LIST- ED BELOW.
76.	5930012382588	SWITCH	5 3/4 X 2 X 1 1/2 INCH HOUSING, SPDT 7456	3	21.67	3	11/03/94		EXPLOSION-PROOF, MAGNETIC CONTACTS, #6 SCREW TERMINALS. BALANCED DOOR. SENTROL PART NUMBER LISTED BELOW.
77.	5930014513074	SWITCH	4 INCH 7456	2	99.25	2	08/19/94	03/31/05	FOR WETPIPE SPRINKLER SYSTEMS. CONTACT RATINGS: 10 AMPS AT 125 VOLTS AC, 2.5 AMPS AT 24 VOLTS DC, FLOW RATE 4-10 GPM MINIMUM, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 175 PSI PRESSURE RATING. NOTIFIER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
78.	5930014521122	SWITCH	2 1/2 INCH 7456	2	120.89	2	08/19/94	04/01/05	FOR WETPIPE SPRINKLER SYSTEMS. CONTACT RATINGS: 10 AMPS AT 125 VOLTS AC, 2.5 AMPS AT 24 VOLTS DC, FLOW RATE 4-10 GPM MINIMUM, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 175 PSI PRESSURE RATING. NOTIFIER PART NUMBERS LISTED BELOW.
79.	5930014575405	SWITCH	24 INCH ARMORED CABLE, 2 INCH GAP, SPDT CONTACTS 7456	4	23.40	4	11/03/94	08/06/99	OVERHEAD DOOR, ADJUSTABLE MAGNET WITH L BRACKET, EPOXY SEALED PROTECTS FROM MOISTURE. ADEMCO PART NUMBER LISTED BELOW.
80.	5930014674906	SWITCH	RED ENAMEL FINISH, 1/2 INCH NPT 7456	3	63.00	3	12/05/94	08/09/06	DIE-CAST ALUMINUM COVER, DIE CAST ZINC BASE. TAMPER RESISTANT COVER SCREWS. NOTIFIER AND POTTER ELECTRIC PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
81.	5930014813569	BOX	FIRE ALARM, ADDRESSABLE, MANUAL, SINGLE ACTION, MOLDED 7456 POLYCARBONA TE WITH RED FINISH AND WHITE LETTERING	6	102.28	3	09/08/94	08/02/07	FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
82.	5930015392312	SWITCH	RED LEXAN COVER, PRESSURE SET 4 TO 8 PSI, 0.7 TO 7456 1.7 PSI ACTUATION VALVE, 175 PSI WORKING PRESSURE 15 AMPS @ 125/250 VAC, 2.5 AMPS @ 30 VDC, PRESSURE CONNECTION: 1/2" BRASS NPT MALE, ELECTRICAL CONNECTIO	3	162.70	3	12/05/94	02/16/06	FOR WET, DRY, PREACTION, DELUGE OR FOAMWATER SPRINKLER SYSTEMS. TYPE J54, MODEL 14432. SINGLE POLE, DOUBLE THROW, NEMA 1. DIE CAST ALUMINUM BASE. VIKING PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
83.	5930015461742	SWITCH	ADJUSTABLE RANGE 10 TO 175 PSI, 1/2" BRASS MALE THREADED 7975 BASE, DUAL SPDT	2	494.76	2	07/12/06		FOR AIR, NITROGEN OR WATER. WILL ACTIVATE LOW PRESSURE ALARM. UL LISTED AND FACTORY MUTUAL APPROVED FOR APPLICATION IN WHICH IT IS USED. SHALL HAVE THE ABILITY TO BE WIRED FOR CLASS A OR CLASS B SERVICE AND BE FIELD ADJUSTABLE. VIKING PART NUMBER
84.	594500JSC5267	RELAY	10 AMPS AT 115 VOLTS AC, -58 TO 185 DEGREE F AMBIENT 7456 TEMPERATURE	18	28.00	15	07/29/94	12/19/07	FOR HVAC, TEMPERATURE CONTROL, FIRE ALARM, SECURITY, ENERGY MANAGEMENT, AND LIGHT CONTROL SYSTEMS. ENCAPSULATED, RED LED TO INDICATED RELAY IS ENERGIZED, 6 INCH LEADS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
85.	594500JSC5268	RELAY MODULE	EXPANDS THE CR-4 TO 8 FORM C RELAY CONTACTS 7458	3	152.71	3	08/17/94	08/22/03	FOR NOTIFIER SYSTEM 500. CIRCUIT CARD MOUNTS BEHIND THE CR-4, HARDWARE PROVIDED. WITH REMOVEABLE FIELD WIRING TER- MINAL BLOCKS. NOTIFIER PART NUMBER LISTED BELOW.
86.	594500JSC5270	RELAY AND BASE	7456	1	91.54	1	03/14/95		FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
87.	594500JSC5272	RELAY	2 1/2 INCH LENGTH, 1 1/2 INCH WIDTH, 1 INCH HEIGHT 7456	14	16.44	8	11/03/94		REQUIRED FOR FOUR-WIRE DETECTION LOOP TO MONITOR FOR END OF LINE INTEGRITY. EPOXY ENCAPSULATED. SIMPLEX PART NUMBER LISTED BELOW.
88.	594500JSC5273	RELAY CAN	11 PINS, 4 3/4 INCH LENGTH 7456	1	45.00	1	12/02/94		NOTIFIER PART NUMBERS LISTED BELOW.
89.	594500JSC5274	RELAY CAN	11 PINS, 4 3/4 INCH LENGTH 7456	1	20.00	1	12/02/94		NOTIFIER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
90.	594500JSC5296	RELAY	5.8MA DC, DMDT 7547	1	24.75	1	08/28/95		FOR SPECIAL HAZARD FIRE ALARM SYSTEMS. PROTECTOWIRE PART NUMBERS LISTED BELOW.
91.	594500JSC5297	RELAY	9 MA DC, 4PDT 7547	1	27.72	1	08/28/95		FOR SPECIAL HAZARD FIRE ALARM SYSTEMS. PROTECTOWIRE PART NUMBERS LISTED BELOW.
92.	594500JSC5298	RELAY	24 VDC, 4PDT 7547	1	24.75	1	08/28/95		FOR SPECIAL HAZARD FIRE ALARM SYSTEMS. PROTECTOWIRE PART NUMBERS LISTED BELOW.
93.	594500JSC5299	RELAY	24 VDC, DMDT 7547	1	21.78	1	08/28/95		FOR SPECIAL HAZARD FIRE ALARM SYSTEMS. PROTECTOWIRE PART NUMBERS LISTED BELOW.
94.	594500JSC5300	RELAY	5.8MA DC, 4PDT 7547	1	27.72	1	08/28/95		FOR SPECIAL HAZARD FIRE ALARM SYSTEMS. PROTECTOWIRE PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
95.	594500JSC6300	RELAY	120 VOLTS AC, 60 HERTZ, SERIAL NUMBER 4476-R-E B048 1 7917	1	1,430.57	1	08/04/00		FOR CONTROL SYSTEM DE-48-9 IN BUILDING 48, MCPP. SINGLE PHASE, SOLID STATE DEVICE. NORMALLY OPEN TIMED OUTPUT, INVERSE TIME TIMING, 125 VOLTS DC, 100/120 VOLTS AC POWER SUPPLY, ONE TARGET; CURRENT OPERATED, AUXILLARY RELAY OUT- PUT (ONE NO
96.	5945010365383	RELAY	COIL 12 VOLTS DC, 1152 OHMS, FORM A CONTACT 7456	1	6.82	1	07/12/95		EPOXY MOLDED HALF SHIELD, SOLID WIRE LEADS, .1 INCH GRIP SPACING, RHODIUM MATERIAL ON DRY REEDS. STRUTHERS-DUNN PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
97.	5945013860453	MODULE	RELAY, HIGH GOING: 26 MILLIAMPS PER RELAY, LOW GOING: 7456 21 MILLIAMPS PER RELAY, 2 AMPS, 125 VOLTS AC OR 30 VOLTS DC CONTACTS	4	109.87	4	09/08/94	09/04/01	FOR SYSTEM 3 ALARM SYSTEM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
98.	596100JSC6095	PHOTOELECTRIC CELL	WITH CONNECTIONS 7456	2	742.50	2	12/05/94	12/29/97	FOR ROTARY VALVE CLOUD CHAMBER HUMIDIFIER MOTOR ASSEMBLY. LED. SAFE FIRE DETECTION PART NUMBER LISTED BELOW.
99.	596100JSC6107	DETECTOR ASSEMBLY	PHOTOCELL 7585	4	100.30	2	09/01/95	06/15/06	FOR CIRRUS AIR SAMPLING SYSTEM. ENVIRONMENT ONE PART NUMBERS LISTED BELOW.
100.	596100JSC6108	DETECTOR ASSEMBLY	LIGHT EMITTING DIODE 7585	3	120.40	3	09/01/95	05/30/96	FOR CIRRUS AIR SAMPLING SYSTEM. ENVIRONMENT ONE PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
101.	596100JSC6115	PHOTOCELL ASSEMBLY	LED, MATCHED PAIR 7893	3	450.00	3	04/20/00	05/26/06	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
102.	596300JSC5010	MODULE	24 VDC @ 25 MA, RELAY CONTACTS 30 VDC @ 3.0 A FORM C 7947	1	594.00	1	08/20/03	05/13/05	ZONE RELEASE MODULE HAS TWO INDEPENDENT SOLENOID RELEASE CIRCUITS, OPERATES EITHER OR BOTH. PROVIDES THE INTERFACE BETWEEN FIRE SUPPRESSION SYSTEMS AND IRC-3. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
103.	5963015120005	MODULE	CONTROLLABL E SIGNAL/RELEAS ING, 24 VOLTS DC, 1.5 AMPS 7456 PER CIRCUIT	1	263.00	1	09/08/94	12/29/95	FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
104.	597500JSC6297	PLATE	BLANK FACE FOR ENCLOSURE 7456	27	4.00	10	09/08/94		FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
105.	597500JSC6298	PANEL	4 INCH WIDTH, 5 7/8 INCH LENGTH 7456	4	4.50	2	11/03/94		SIMPLEX PART NUMBER LISTED BELOW.
106.	597500JSC9223	ENCLOSURE	N/A 7936	1	550.00	1	06/21/02	08/20/02	FOR FIRE ALARM. WALLBOX ONLY. THREE CHASSIS MOUNTING SPACE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
107.	597500JSC9224	ENCLOSURE	N/A 7936	1	760.10	1	06/21/02	08/20/02	FOR FIRE ALARM. INNER DOORS AND OUTER DOORS FOR 3-CAB21B. EDWARDS SYSYTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
108.	598000JSC5070	DISPLAY AND LEAD	LCD 7891	2	1,043.16	2	04/20/00	09/16/04	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
109.	598000JSC5071	MODULE	2 MA STANDBY CURRENT, 15 MA ALARM CURRENT 7939	2	238.00	2	06/24/02	09/05/02	FOR FIRE ALARM. 24 RED LIGHT EMITTING DIODES, NO SWITCHES. FOR ALARM ANNUNCIATION. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
110.	598000JSC5072	MODULE	2 MA STANDBY CURRENT, 15 MA ALARM CURRENT 7939	2	238.00	2	06/24/02		FOR FIRE ALARM. 24 YELLOW LIGHT EMITTING DIODES, NO SWITCHES. FOR SUPERVISORY AND TROUBLE ANNUNCIATION. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
111.	598000JSC5073	CONTROL MODULE	2 MA STANDBY CURRENT, 15 MA ALARM CURRENT 7939	2	338.63	2	06/24/02	01/03/06	FOR FIRE ALARM. 12 SWITCHES WITH ONE GREEN AND ONE YELLOW LIGHT EMITTING DIODE PER SWITCH. FOR ZONE PAGE SELECT WITH TROUBLE ANNUNCIATION. LED DISPLAY. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
112.	598000JSC5074	DISPLAY	64 X 128 PIXEL DISPLAY 7935	2	286.90	2	10/07/02	06/20/07	FOR 3-CPU1 CENTRAL PROCESSOR MODULE. PROVIDES OPERATOR INTERFACE FOR THE NETWORK. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
113.	5985011859833	ANTENNA	200 WATTS, 50 OHMS, 132 TO 174 MEGAHERTZ 7456	3	71.00	2	09/08/94	05/11/05	FOR JSC AND ELLINGTON FIELD BUILDINGS. TYPE BSA-1/EF, STAIN- LESS STEEL, 4 GROUND RADIALS, 3DB, 5/8 INCH WAVE, 125 MPH WIND LOAD RESISTANCE. PROVIDES TRANSMISSION AND RECEPTION OF RADIO SIGNALS BETWEEN TRANSCEIVERS AND CENTRAL STATION EQUIPMENT.
114.	5985012805423	MOUNT	7 INCH 7456	2	20.00	2	09/08/94		HEAVY DUTY, UP TO 1.75 INCH MAST, LAG BOLTS INCLUDED. MONACO PART NUMBER LISTED BELOW.
115.	599500JSC5052	CABLE	HARNESS, MAIN BELL POWER, CONNECTS CPU-5000 "J5" TO 7543 MPS A/V POWER	2	11.13	2	07/20/95		FOR NOTIFIER CENTRAL PROCESSING UNIT MODULE AND MAIN POWER SUPPLY. NOTIFIER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
116.	599500JSC5053	CABLE	CABLE, RIBBON, 1ST ROW, CONNECTS CPU-5000 TO FIRST 7543 THREE OPTION MODULES	2	16.80	2	07/21/95		FOR NOTIFIER CENTRAL PROCESSING UNIT MODULE AND MAIN POWER SUPPLY. NOTIFIER PART NUMBERS LISTED BELOW.
117.	599500JSC5054	CABLE	HARNESS, POWER, 7 WIRE POWER, CONNECTS SYSTEM 5000 CPU 7543 TO MPS	2	16.80	2	07/21/95		FOR NOTIFIER CENTRAL PROCESSING UNIT MODULE AND MAIN POWER SUPPLY. NOTIFIER PART NUMBERS LISTED BELOW.
118.	599500JSC5055	CABLE	CABLE, POWER RIBBON, 10 WIRE, CONNECTS MPS "P3" TO CPU- 7543 AM2020, APP1010, SYSTEM 5000	2	11.94	2	07/21/95		FOR NOTIFIER CENTRAL PROCESSING UNIT MODULE AND MAIN POWER SUPPLY. NOTIFIER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
119.	599800JSC5095	CARD	96 SENSORS AND 96 MODULES, OR RZB12-6 PANELS 7456	10	1,266.67	11	07/29/94	08/21/07	FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. INTELLIGENT INTERFACE BETWEEN SENSORS AND MODULES. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
120.	599800JSC5096	CIRCUIT CARD ASSEMBLY	CM2N CPU, REPAIRABLE 7456	8	1,400.29	8	07/29/94	02/01/07	FOR CONTROL MODULE MOTHERBOARD. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
121.	599800JSC5097	CARD	9600 BAUD MAXIMUM, REPAIRABLE 7456	18	320.00	18	07/29/94	07/31/06	FOR EDWARDS CONTROLLER MODELS CMI (N), RMDP-1N, AND CM2 (N). PROVIDES AN RS-485 PORT FOR NETWORK COMMUNICATIONS AND AN RS-232-C PORT FOR DOWNLOADING PROGRAM DATA INTO NETWORK CPU MEMORIES. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
122.	599800JSC5098	CARD	STYLE B & Y, 8 INPUTS, 2 MAY BE CONFIGURED AS OUTPUTS, 7456 REPAIRABLE	6	260.14	6	07/29/94	01/31/08	FOR EDWARDS IRC-3 CONTROL MODULE MASTER CM1. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELOW.
123.	599800JSC5099	CARD	STYLE D & Z, 4 INPUTS, 2 MAY BE CONFIGURED AS OUTPUTS, 7456 REPAIRABLE	18	221.89	18	07/29/94	01/31/08	FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
124.	599800JSC5100	CARD	STYLE B & Y, 8 INPUTS, 8 MAY BE CONFIGURED AS OUTPUTS, 7456 REPAIRABLE	13	350.80	8	07/29/94	01/31/08	FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELOW.
125.	599800JSC5101	PRINTED CIRCUIT BOARD	REPAIRABLE 7456	1	300.00	1	07/29/94		FOR LIFE SAFETY SYSTEM MICROPROCESSOR BASED, POWER LIMITED, TRADITIONAL 2 WIRE SMOKE DETECTOR, ZONED FIRE CONTROL PANEL. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
126.	599800JSC5102	PRINTED CIRCUIT BOARD	REPAIRABLE 7456	6	1,866.97	6	07/29/94	10/19/00	FOR FCC SYSTEM, DATA LINE EXPANDER. CONNECTS TO A SINGLE DATA PORT OF THE POLLING MASTER PCPU. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
127.	599800JSC5103	CARD	RS-485 CARD DEDICATED FOR USE WITH MUX-8 MODULE, INTERFACES 7456 UP TO 4 MODULES, INPUT VOLTAGE FROM DCPU, 20 MILLIAMPS	8	544.48	4	07/29/94	09/13/01	FOR EDWARDS FIRE COMMAND CENTER MODEL FCC. STANDARD SIZE CARD SLOT. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
128.	599800JSC5104	CARD	PROVIDES TWO CLASS B DATA LINES OR ONE CLASS A DATA LINE 7456 TO REMOTE FIELD PANELS, INPUT VOLTAGE FROM PCPU OR DCPU, 20 MILLIAMPS	5	486.95	5	07/29/94	04/24/02	FOR EDWARDS FIRE COMMAND CENTER MODEL FCC. STANDARD SIZE CARD SLOT. EDWARDS SYSTEMS TECHOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
129.	599800JSC5105	CARD	CONNECTS PRINTERS, VDUS & COLOR GRAPHICS TERMINALS TO SYSTEM, 7456 INPUT VOLTAGE FROM PCPU OR DCPU, 10 MILLIAMPS	2	459.00	2	07/29/94	02/10/99	FOR EDWARDS FIRE COMMAND CENTER MODEL FCC. STANDARD SIZE CARD SLOT. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
130.	599800JSC5106	CARD	REPAIRABLE 7456	2	650.00	2	07/29/94	06/15/07	FOR EDWARDS CONTROLLER MODULE MODEL CM1 AND CENTRAL PROCESS-ING UNIT. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
131.	599800JSC5107	CARD	STYLE B & Y, 8 INPUTS, 5 MAY BE CONFIGURED AS OUTPUTS, 7456 REPAIRABLE	8	371.25	8	07/29/94	08/07/98	FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
132.	599800JSC5108	CARD	EIGHT N/O OR N/C OR FORM C, RATED 4 AMPS @ 30 VOLTS DC, 7456 REPAIRABLE	4	215.00	4	08/01/94	01/31/01	FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
133.	599800JSC5109	CARD	DUAL 4 TO 1 OR 1 TO 4 SELECTOR 7456	1	133.00	1	08/01/94		FOR EDWARDS IRC-3 CONTROL MODULE MASTER MODEL CM1. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELOW.
134.	599800JSC5110	CARD	24 VOLTS DC INPUT, 12 VOLTS DC ISOLATED POWER OUTPUT, 7456 REPAIRABLE	1	435.75	1	08/01/94	06/24/97	FOR THE ISOLATION OF POWER BETWEEN CM1 AND CM2N PERIPHERALS. OPTICALLY ISOLATES RS-232 SIGNALS, SUPPORTS FIBER DRIVERS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
135.	599800JSC5111	MODULE	7458	3	242.00	2	08/17/94	06/22/00	FOR SYSTEM 5000. PROVIDES FOUR STYLE Y OR Z ALARM INDICATING ZONES. NOTIFIER PART NUMBER LISTED BELOW.
136.	599800JSC5114	BOARD	7458	1	1,200.00	1	08/17/94		FOR FIRE DETECTION AND ALARM SYSTEM MODEL AFP1010. CENTRAL PROCESSING UNIT, STORES THE SYSTEM'S OPERATIOINAL PARAMETERS, PROVIDES FORM C ALARM AND TROUBLE CONTACT. NOTIFIER PART NUMBER LISTED BELOW.
137.	599800JSC5116	TRANSPONDE R	7458	1	252.00	1	08/17/94		FOR FIRE ALARM CONTROL SYSTEM MODELS AFP1010 AND AM2020. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
138.	599800JSC5119	MODULE	SIGNAL 7456	1	240.00	1	09/08/94		FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
139.	599800JSC5121	LOOP-DRIVER	ANALOG 7456	1	478.43	1	09/08/94	08/07/00	FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
140.	599800JSC5123	BOARD	7456	2	360.42	2	11/03/94		8 POINT. SIMPLEX PART NUMBER LISTED BELOW.
141.	599800JSC5124	RELAY BOARD	4 X 6 3/8 INCH 7456	1	176.00	1	11/03/94		FOR FIRE ALARM PANEL MODEL 4002. AUXILLARY. SIMPLEX PART NUMBER LISTED BELOW.
142.	599800JSC5125	MODULE	7456	2	372.50	2	11/03/94		SIGNAL EXPANSION, FOR FIRE ALARM SYSTEM MODEL 4002 SERIES. SIMPLEX PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
143.	599800JSC5128	MODULE	1 ZONE, STYLE D, SURFACE COVER 7456	7	35.60	5	11/03/94		FOR MAPNET II COMMUNICATING DEVICES. USED WHEN FIRE DETECTING DEVICE OR SUPERVISORY SWITCH IS MOUNTED SEPARATELY FROM THE ADDRESSABLE ELECTRONICS. PROVIDES STATUS MONITORING AND SUPERVISION TO THE DEVICE CIRCUIT ZONE. ZONE ADAPTERMONITOR. SI
144.	599800JSC5129	PRINTED CIRCUIT BOARD	7456	1	200.00	1	11/03/94	05/15/96	CENTRAL PROCESSOR UNIT. SIMPLEX PART NUMBER LISTED BELOW.
145.	599800JSC6002	POWER SUPPLY BOARD	7666	1	565.35	1	03/25/96		FOR FIRE ALARM PANEL MODEL 4100. SIMPLEX PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
146.	599800JSC6004	CIRCUIT CARD ASSEMBLY	CM2ND CONTROLLER, REPAIRABLE 7693	8	1,306.56	8	06/05/96	08/07/07	FOR CONTROL MODULE MOTHERBOARD. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELOW.
147.	599800JSC6005	CARD	24 VOLTS DC @ 300 MILLIAMPS OPERATING VOLTAGE FULLY LOADED, 7713 32 TO 120 DEGREE F OPERATING TEMPERATURE	1	1,281.00	1	07/24/96	02/24/05	FOR EDWARDS CONTROLLER MODELS IRC-3 OR FCC. SIGNATURE ANALOG ADDRESSABLE DEVICE INTERFACE CARD INTERFACES BETWEEN IRC-3, FCC AND EST SIGNATURE DEVICES. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
148.	599800JSC6007	PRINTED CIRCUIT BOARD	CIRRUS DISPLAY PCB ZONE 4 7890	2	1,815.00	2	04/20/00	04/26/02	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
149.	599800JSC6008	PRINTED CIRCUIT BOARD	WATER MONITOR 7911	2	178.50	2	04/20/00		FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.
150.	599800JSC6009	PRINTED CIRCUIT BOARD	ZONE 7888	4	817.44	4	04/20/00	03/23/05	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.
151.	599800JSC6012	CARD	CLASS A 7938	6	320.13	2	06/03/02	06/03/02	NETWORK COMMUNICATION. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
152.	599800JSC6013	CARD	53 MA STANDBY CURRENT, 53 MA ALARM CURRENT 7938	3	380.77	3	06/24/02	01/19/07	FOR FIRE ALARM, ANCILLARY COMMUNICATION, CARD HAS TWO OPTICALLY ISOLATED RS-232 PORTS THAT SUPPORT THE CONNECTION OF A PRINTER AND/OR AN EXTERNAL COMMAND CENTER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
153.	599800JSC6014	CARD	24 VOLTS DC, 60 MA STANDBY CURRENT, BAUD RATE: 300-9600, 7939 32 TO 120 DEGREE F TEMPERATURE RANGE, 85% HUMIDITY RANGE NONCONDENSI NG, ISOLATED POWER OUTPUT 12 VOLTS DC AND 10 MA CURRENT	1	448.00	1	06/24/02		FOR FIRE ALARM. OPTICALLY ISOLATES RS-232 SIGNALS. SUPPORTS SHORT HAUL MODEMS, FIBER DRIVERS, AND RDU MODEMS. BUILT IN DB-9 CONNECTOR FOR PROGRAM DOWNLOAD, BATTERY BACKED UP. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
154.	599800JSC6015	MOTHERBOARD	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE, 32 TO 120 7941 DEGREE F OPERATING TEMPERATURE, -4 TO 140 DEGREE F STORAGE TEMPERATURE, 0-93% RELATIVE HUMIDITY, 9.56 INCH LENGTH, 4.3 INCH WIDTH, 3.2 INCH HEIGHT	2	99.50	2	06/20/02	10/16/02	FOR FIRE ALARM. UNIVERSAL, PROVIDES MOUNTING AND WIRING TERMINATIONS FOR UP TO SIX I/O MODULES. PROVIDES 2 RISER INPUTS THAT ARE COMMON TO ALL MODULES. NO ADDRESS REQUIRED. COMPATIBLE WITH ALL SIGA-MXXX SIGNATURE SERIES MODULES. INPUT/OUTPUT.
155.	599800JSC6016	CENTRAL PROCESSING UNIT	N/A 7943	2	420.88	2	11/27/02	02/24/05	FOR EST CONTROL MODULE IRC-3. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
156.	5998014406893	MODULE	15-28 VOLTS 7456	4	44.00	4	08/19/94		FOR FIRE CONTROL MODELS AM2020, AFP1010 AND SYSTEM 5000. AIM-200 MODULE PROTECTS SYSTEM AGAINST WIRE-TO-WIRE SHORT CIRCUITS ON THE SLC LOOPS. NOTIFIER PART NUMBER LISTED BELOW.
157.	5998014606799	MODULE	2 AMPS, 30 VOLTS DC/120 VOLTS AC RESISTIVE CONTACT RATING 7456	1	327.67	1	08/19/94	08/26/03	CONTROL RELAY MODULE PROVIDES FOUR FORM C (SPDT) RELAY CONTACTS USED TO CONTROL AUXILLARY DEVICES. GREEN LEDS FOR RELAY ACTIVATION OR I/O MAPPING. AMBER LEDS TO INDICATE DISABLED, MOD FAULT OR SYSTEM COMMUNICATION FAILURE. CONTROL SWITCH FOR

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
158.	5998014612001	BACKPLANE	37 1/4 INCH LENGTH, 21 1/2 INCH WIDTH 7456	1	223.00	1	09/08/94		FOR PYROTRONICS OPTION MODULE CARD CAGE MODEL MOM-4. PROVIDES TWO POWER AND TWO DATA CONNECTOR RECEPTACLES. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
159.	599900JSC6017	CONTROL MODULE	IRC-3, REPAIRABLE 7456	9	190.00	2	07/29/94		EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
160.	599900JSC6021	MODULE	7456	13	74.17	13	07/29/94	01/27/06	ENABLE THE COMMUNICATIONS LOOP TO CONTINUE OPERATING WHEN SHORT CIRCUITS OCCUR. LED INDICATOR BLINKS IN NORMAL CONDITION AND TURNS ON DURING SHORT CIRCUIT. MODULE AUTOMATICALLY RESTORE COMMUNICATIONS LOOP TO NORMAL CONDITIONS WHEN SHORT
161.	599900JSC6022	MODULE	REPAIRABLE, REVISION 5.1 OR HIGHER 7456	12	799.65	12	07/29/94	01/31/08	FOR CONTROLLER MODEL IRC-3. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
162.	599900JSC6023	MODULE	48 SW, ADDRESSABLE, REPAIRABLE 7456	1	1,680.00	1	07/29/94	05/13/96	19 INCH RACK MOUNT PANEL, TWO POSITION TOGGLE SWITCH AND 2 LEDS PER CIRCUIT. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
163.	599900JSC6024	MODULE	24 VDC, CLASS B WITH RZMP, REPAIRABLE 7456	9	823.36	9	07/29/94	03/06/07	MULTI ZONE MODULE, MICROPROCESSOR CONTROLLED, RELAY OUTPUT CONTROL AND POLLING PROTOCOL WITH ZAS-1 CARD. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
164.	599900JSC6025	PRINTED CIRCUIT BOARD	DISPLAY CPU, SUPPORTS 8 PERIPHERAL DEVICES OR 7456 INTELLIGENT DISPLAY TERMINALS, REPAIRABLE	2	1,532.67	2	07/29/94	12/05/07	FOR FIRE COMMAND CENTER SYSTEM MULTI MICROPROCESSOR BASED CONTROL CENTER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
165.	599900JSC6026	PRINTED CIRCUIT BOARD	POLLING CPU MODULE, SUPPORTS 4 CLASS B DATA CHANNELS 7456 AND 3 DCPU'S, REPAIRABLE	2	750.00	2	07/29/94	11/05/96	FOR FIRE COMMAND CENTER SYSTEM MULTI MICROPROCESSOR BASED CONTROL CENTER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
166.	599900JSC6027	RELAY MODULE	24 VOLTS 7456	2	41.00	2	08/01/94		FOR HIGH-CURRENT LOAD SWITCHING. INCLUDES ONE AND ACCOMO- DATES UP TO SEVEN RELAYS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
167.	599900JSC6028	CONTROL MODULE ASSEMBLY	OPTION TO CHANGE SERIAL COMMUNICATI ONS INCLUDED, 7456 REPAIRABLE	3	805.33	3	07/29/94	09/13/01	CONTROL MODULE MOTHERBOARD CONFIGURES ITSELF IN A REGENERATIVE NETWORK UPON FAILURE OF THE MASTER. TWO SWITCHES ON THE FRONT COVER PERFORM THREE FUNCTIONS: 1. ALARM SILENCE: OPERATES IN THE REGENERATIVE MODE, SILENCES

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
168.	599900JSC6029	EXPANDER	STYLE Y AND STYLE Z, 8 CIRCUITS, .001 STANDBY AMPS, 7458 .065 ALARM AMPS	2	198.50	2	08/17/94	08/22/03	FOR FIRE ALARM CONTROL PANEL SYSTEM 500. CONSISTS OF A PRINTED CIRCUIT CARD THAT MOUNTS BEHIND THE IC-4. HARDWARE AMD REMOVABLE FIELD WIRING TERMINAL BLOCKS ARE INCLUDED. INDICATING CIRCUIT. NOTIFIER PART NUMBER LISTED BELOW.
169.	599900JSC6036	MODULE	198 ADDRESSABLE DEVICES 7456	0	1,093.29	1	08/19/94	08/29/07	FOR FIRE CONTROL PANEL SYSTEM 5000. ADDRESSABLE, INITIATING AND INDICATING DEVICE CAPACITY. NOTIFIER PART NUMBER LISTED BELOW.
170.	599900JSC6038	EXPANDER	STYLE D, 8 CIRCUITS, .044 AMPS, STANDBY CURRENT CONSUMPTION 7456	1	182.50	1	08/19/94		FOR FIRE ALARM CONTROL PANEL SYSTEM 500. INITIATING ZONE. NOTIFIER NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
171.	599900JSC6040	MODULE	7456	3	424.67	3	08/19/94	08/22/03	PROVIDES EIGHT STYLE B ALARM INITIATING OR SUPERVISORY CIRCUITS, CONSISTS OF A PANEL MOUNTED PRINTED CIRCUIT CARD. NOTIFIER PART NUMBER LISTED BELOW.
172.	599900JSC6042	MODULE	PROVIDES 2 RELEASING DEVICE CIRCUITS OR 3 BELL CIRCUITS 7456	2	324.00	2	08/19/94	08/22/03	FOR SYSTEM 5000 RELEASING SERVICE AND PRESIGNAL EVACUATION. TIME CONTROL MODULE. NOTIFIER PART NUMBER LISTED BELOW.
173.	599900JSC6043	MODULE	CABINET OR EXTERNAL MOUNTING 7456	11	50.00	1	08/19/94		REDUCES COMMON MODE NOISE ON THE SIGNALING LINE CIRCUIT. CONNECTS DIRECTLY TO SIGNALING CIRCUIT, PIG-TAIL CONNECTION. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
174.	599900JSC6045	MODULE	21.5 VOLTS DC AT 6MA SUPERVISION AND 65MA SUPERVISORY 7456 SWITCH ACTIVATED. MAXIMUM LOOP RESISTANCE: 100 OHMS	6	166.57	6	09/08/94	12/20/06	SUPERVISOR MODULE. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
175.	599900JSC6046	MODULE	RELAY, 120 VOLTS AC, 5 AMPS 7456	1	215.00	1	09/08/94		FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
176.	599900JSC6047	MODULE	INPUT, ADDRESSABLE, PEAK VOLTAGE RANGE 19 TO 27 VDC MAXIMUM 7456	1	350.00	1	09/08/94	01/29/96	FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
177.	599900JSC6048	MODULE	INTERFACE, ADDRESSABLE 7456	2	99.76	2	09/08/94	12/09/96	FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
178.	599900JSC6049	MODULE	INTERFACE 7456	2	75.00	2	09/08/94	05/06/99	FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
179.	599900JSC6050	MODULE	7456	3	75.00	3	09/08/94	06/20/96	FOR EMERGENCY POWER TO THE AUDIBLE SIGNAL CIRCUIT, WHEN ADDITIONAL PS-35 POWER SUPPLY IS REQUIRED. CERBERUS PYRO- TRONICS PART NUMBER LISTED BELOW.
180.	599900JSC6051	CONTROL BOARD	MAIN 7456	1	1,687.50	1	09/08/94		FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
181.	599900JSC6052	MODULE	DUAL CONTACT ZONE INPUT 7456	1	100.00	1	09/08/94		FOR SYSTEM 3 ALARM CONTROL. PYROTRONICS PART NUMBER LISTED BELOW.
182.	599900JSC6053	BOARD	7456	2	75.00	2	09/08/94		CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
183.	599900JSC6055	MODULE	SINGLE INPUT WITH RELAY 7456	5	136.00	5	09/09/94	06/02/95	FOR CONTROL PANEL MODELS XL3, MXL AND IXL. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
184.	599900JSC6057	MOTHER-BOARD	7456	0	55.00	1	11/03/94		FOR ARITECH MULTISENSOR INTRUSION DETECTION SYSTEM MODEL 230. ARITECH PART NUMBER LISTED BELOW.
185.	599900JSC6058	MODULE	7456	1	12.00	1	11/03/94		FOR ARITECH MULTISENSOR INTRUSION DETECTION SYSTEM MODEL 230. ARITECH PART NUMBER LISTED BELOW.
186.	599900JSC6607	MODULE	7713	1	1,423.00	1	07/24/96	02/21/08	FOR CONTROLLER MODEL IRC-3. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
187.	599900JSC6608	MODULE	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE RANGE, 24 VOLTS 7713 DC @ 2 AMPS AND 120 VOLTS AC @ .5 AMPS CONTACT RATING, FORM "C" TYPE RELAY, 32 TO 120 DEGREE F (0-49 DEGREE C) OPERATING TEMPERATUE RANGE, 0 TO 93% RELATIVE HUMIDIT	5	107.91	5	07/24/96	02/22/07	ADDRESSABLE, CONTROL RELAY, GREEN LED: NORMAL; RED LED: ACTIVE/ALARM, HIGH IMPACT ENGINEERING POLYMER CONSTRUCTION, ONE GANG. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
188.	599900JSC6609	MODULE	ADDRESSABLE, WALL PLATE INCLUDED 7713	1	68.00	1	07/24/96	07/30/96	WATERFLOW TAMPER MODULE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
189.	599900JSC6611	MODULE	15.2 - 19.95 VOLTS AC, 32 TO 120 DEGREE F. TEMPERATURE RANGE 7713	1	44.25	1	07/24/96	06/28/99	FOR SIGNATURE SERIES SYSTEM. ANALOG ADDRESSABLE, LED INDI- CATES GREEN FOR NORMAL STATUS AND RED FOR ACTIVE STATUS. MOUNTS TO 2 1/2 INCH DEEP GANG BOX OR STANDARD 4 INCH SQUARE BOX, WITH ONE GANG COVER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LIST
190.	5999012113166	MODULE	INPUT, INTRINSICALLY SAFE ZONE WITH DIODE SHUNT 7456 BARRIER ANDEOL RESISTOR	2	481.00	2	09/08/94	02/22/05	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
191.	5999012113167	MODULE	SUPPLEMENTARY RELAY, 24 VOLTS DC, SPDT, 120 VOLTS AC 7456 OR 30 VOLTS DC, 3 AMPS	2	97.02	2	09/08/94	03/08/02	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
192.	5999014513076	MODULE	15.2-19.95 VOLTS DC OPERATING RANGE, 250UA STANDBY CURRENT, 7713 400UA ACTIVATED CURRENT, 32 TO 120 DEGREE OPERATING TEMPERATURE, 0 TO 93% RELATIVE HUMIDITY	3	47.25	3	07/24/96	03/07/06	SIGNAL INPUT, ANALOG ADDRESSABLE DEVICE. HIGH IMPACT ENGINEERING POLYMER CONSTRUCTION. WITH WALL PLATE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
193.	5999014549338	CONTROL MODULE ASSEMBLY	15 TO 32 VDC OPERATING VOLTAGE, 80 VOLTS EXTERNAL SUPPLY 7456 VOLTAGE MAXIMUM, 32 TO 120 DEGREE F TEMPERATURE RANGE, 10 TO 93% NONCONDENSING RELATIVE HUMIDITY, 4 1/2 INCH HEIGHT, 4 INCH WIDTH, 1 1/4 INCH DEPTH	15	87.02	18	07/29/94	12/19/07	CONTROL MODULE MOTHERBOARD CONFIGURES ITSELF IN A REGENERATIVE NETWORK UPON FAILURE OF THE MASTER. TWO SWITCHES ON TH FRONT COVER PERFORM THREE FUNCTIONS: 1. ALARM SILENCE: OPERATES IN THE REGENERATIVE MODE, SILENCES
194.	5999014672369	MODULE	7456	9	115.00	9	08/19/94	06/27/00	FOR FIRE CONTROL PANEL MODELS AM2020, AFP1010, AFP200 AND SYSTEM 5000. NOTIFICATION APPLIANCE CIRCUIT OR FORM C RELAY. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
195.	5999014672371	MODULE	STYLE B INITIATING DEVICE CIRCUIT, MOUNTS IN 7456 SINGLE GANG ELECTRICAL BOX, MINI MODULE	15	66.44	15	07/29/94	09/21/07	MONITORS ALARM OR SUPERVISORY DEVICE CONTACTS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
196.	610500JSC7603	MOTOR	12 VOLTS, .32 AMPS 7930	1	596.05	1	09/20/01	03/23/05	FOR RETROFIT PROTEC CLOUD CHAMBER. SAFE FIRE DETECTION PART NUMBER.
197.	613000JSC6253	POWER SUPPLY	ONE 24 VOLTS DC OUTPUT, 120 VOLTS, 2 AMPS, 50/60 HERTZ 7456	4	529.82	5	07/29/94	09/12/05	FOR ENCLOSURES MODELS CAB2, CAB3/F ANS CABF. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
198.	613000JSC6254	POWER SUPPLY	TWO 24 VOLTS DC OUTPUT, 120 VOLTS, 2 AMPS, 50/60 HERTZ, 7456 REPAIRABLE	1	578.01	1	07/29/94	11/08/06	FOR ENCLOSURES MODELS CAB2, CAB3/F ANS CABF. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
199.	613000JSC6257	POWER SUPPLY	REMOTE, 24 VOLTS DC, 5 VOLTS DC REGULATED 7456	1	125.00	1	09/08/94		FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
200.	613000JSC6259	POWER SUPPLY	7456	2	287.50	2	11/03/94		SIMPLEX PART NUMBER LISTED BELOW.
201.	613000JSC6260	CONVERTER	120/220/240 VOLTS, 50/60 HERTZ, -40 TO 70 DEGREE 7456 C OPERATING TEMPERATURE, 3 WATTS PER OUTPUT CHANNEL	1	379.00	1	12/05/94		FOR DET-TRONICS MODULAR FIRE DETECTION SYSTEM. CONVERTS LINE VOLTAGE AC TO DC OPERATING POWER, UP TO EIGHT DEVICES. DETECTOR ELECTRONICS PART NUMBER LISTED BELOW.
202.	613000JSC6262	POWER SUPPLY	15 VOLTS DC 7456	3	33.33	3	12/02/94		FOR GENERATOR CONDITION MONITOR. DUAL INPUT. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
203.	613000JSC6263	POWER SUPPLY	12 VOLTS DC 7456	2	220.65	2	12/05/94		FOR IFD II DETECTOR. ENVIRONMENT ONE PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
204.	613000JSC6266	POWER SUPPLY	7585	2	241.67	2	09/01/95		FOR CIRRUS AIR SAMPLING SYSTEM. 85 TO 132 VOLTS AC INPUT LINE, 110 TO 175 VOLTS DC INPUT LINE, 47 TO 440 HERTZ, 30 AMPS IN-RUSH CURRENT LIMITING. ENVIRONMENT ONE PART NUMBER LISTED BELOW.
205.	613000JSC6274	POWER SUPPLY	TWO REGULATED POWER LIMITED OUTPUTS 7748	6	866.25	5	10/24/96	01/31/08	FOR EDWARDS SYSTEM MODELS CM1 AND CM2. 120 VOLTS AC, 50/60 HERTZ, 2 AMPS, BUILT IN BATTERIES, INTEGRAL TROUBLE BUZZER. ONE 24 VOLT DC OUTPUT FOR ENCLOSURE MODELS CAB2, CAB3/F AND CAB/F. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
206.	613000JSC6276	POWER SUPPLY	WITH COVER, 100 WATT 7912	2	1,470.00	2	04/20/00		FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
207.	613000JSC6279	POWER SUPPLY	INPUT VOLTAGE 120 VOLTS AC, OUTPUT VOLTAGE 24 VOLTS DC, 7935 INPUT CURRENT 2 AMPS, OUTPUT CURRENT 7 AMPS, BROWNOUT LEVEL 96 VOLTS AC, 50 TO 60 HERTZ	2	901.00	2	06/21/02	03/20/08	FOR FIRE ALARM PANEL IN BUILDINGS 29 AND 30MOW. HIGH EFFICIENCY SWITCH MODE, ELECTRONIC CURRENT LIMITING. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
208.	613000JSC6280	POWER SUPPLY	INPUT VOLTAGE 120 VOLTS AC, OUTPUT VOLTAGE 24 VOLTS DC, 7935 INPUT CURRENT 2 AMPS, OUTPUT CURRENT 7 AMPS, BROWNOUT LEVEL 96 VOLTS AC, 50 TO 60 HERTZ	2	1,200.57	2	06/21/02		FOR FIRE ALARM IN BUILDINS 29 AND 30MOW. HIGH EFFICIENCY SWITCH MODE, ELECTRONIC CURRENT LIMITING. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
209.	6130012236133	BATTERY CHARGER	TRANSFER, FOR LEAD ACID OR SEALED NICKEL CADMIUM BATTERIES, 7456 46 MILLIAMPS NORMAL OPERATING CURRENT	2	200.25	2	09/08/94	07/12/07	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
210.	6130012841575	POWER SUPPLY	120 VOLTS AC, 50/60 HERTZ, 3 WIRE, 3.5 AMPS, REPAIRABLE 7456	1	324.00	1	09/08/94	02/26/08	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
211.	6130014601152	MODULE	POWER SUPPLY, 24 VOLTS DC, 6 AMPS 7456	1	337.50	1	09/08/94		FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONIC PART NUMBER LISTED BELOW.
212.	6145000874343	CABLE	BLACK AND RED, 20 AWG, 7 STRANDS 28 AWG, 300 VOLTS, 7547 10 OHMS, 1000 FEET ROLL	1	97.51	1	08/25/95		ELECTRICAL, 2 TINNED COPPER CONDUCTORS, 1 PAIR PVC INSULATION, UNSHIELDED, PVC CHROME JACKET. BELDEN PART NUMBER LISTED BELOW.
213.	6145008455206	CABLE	BLACK/CLEAR, 20 AWG, 7 STRANDS 28 AWG, 300 VOLTS, 7547 56 OHMS, 1000 FEET ROLL	1	189.05	1	11/02/92		ELECTRICAL, 2 TINNED COPPER CONDUCTORS, POLYETHYLENE INSULATION, TWISTED SHIELDED PAIR, ALUMINUM/POLYESTER SHIELD, PVC JACKET. BELDEN PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
214.	6145012521449	CABLE	18 AWG, 19 STRANDS 30 AWG, 300 VOLTS, 50 OHMS, 7547 1000 FOOT ROLL	1	832.82	1	08/25/95		4 CONDUCTORS, TINNED COPPER, FEP TEFLON INSULATED AND RED TRANSPARENCY JACKET. BELDEN PART NUMBER LISTED BELOW.
215.	6145012530121	CABLE	BLACK AND RED, 18 AWG, 19 STRANDS 30 AWG, 300 VOLTS, 7547 1000 FEET ROLL	1	308.45	1	08/25/95		ELECTRICAL, 2 TINNED COPPER CONDUCTORS, FEP TEFLON INSULATED AND RED TINT JACKET, ALUMINUM/MYLAR SHIELDED. BELDEN PART NUMBER LISTED BELOW.
216.	6145013144006	CABLE	BLACK, 16 AWG, 19 STRANDS 29 AWG, 28 FEET, 30 VOLTS, 50 OHMS 7456	170	1.76	100	09/08/94	05/11/05	RADIO FREQUENCY, SINGLE CONDUCTOR, COPPER, MINIATURE. MONACO PART NUMBER LISTED BELOW.
217.	615000JSC5148	CABLE	2 INSULATED WIRE LEAD WITH CONNECTION, WHITE, 300 VOLTS 7456	25	21.20	25	07/29/94		EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
218.	615000JSC5349	CABLE	TOP RAIL 7937	2	23.00	2	06/24/02	08/23/02	FOR FIRE ALARM. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
219.	615000JSC5350	CABLE	BOTTOM RAIL 7937	2	15.00	2	06/24/02	08/23/02	FOR FIRE ALARM. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
220.	615000JSC5351	CABLE	RAIL 7937	2	25.88	2	06/24/02	08/20/02	FOR FIRE ALARM. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
221.	621000JSC8001	LAMP ASSEMBLY	REMOTE ALARM 7456	2	27.00	2	09/09/94		FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
222.	621000JSC8002	LAMP	REMOTE ALARM 7456	9	10.00	9	09/08/94		FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
223.	624000JSC5221	INDICATOR	24 VOLTS DC 7456	0	0.94	10	11/03/94	08/11/05	REMOTE ALARM. FOR SIMPLEX PHOTOELECTRIC SMOKE DETECTOR SERIES 2098. SIMPLEX PART NUMBERS LISTED BELOW.
224.	6320012839370	CONTROL PANEL	120/240 VOLTS, 3 AMPS, 50/60 HERTZ 7458	1	606.75	1	08/25/94	02/26/08	PERMITS EXPANSION OF SYSTEM CAPABILITY, INCORPORATES ADDITIONAL FUNCTIONS OVER AND ABOVE THE TWO ZONE ACTUATION CIRCUITS, VISUAL AND AUDIO ANNUNCIATING DEVICES PROVIDED WITH THE BASIC PANEL. 2 ZONES AND UNIVERSAL SIGNAL CIRCUIT. 3 WIRE, UL

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
225.	6350004398831	DETECTOR	REVERSIBLE WHITE PLASTIC MOUNTING PLATE 7972	84	11.48	188	04/20/06	02/28/07	COMBINATION RATE-OF-RISE AND FIXED TEMPERATURE. 135 DEGREE F (57 DEGREE C) TEMPERATURE RATING. 100 DEGREE F (38 DEGREE C) MAXIMUM AMBIENT TEMPERATURE AT CEILING. CONTACT RATING: 3 AMPS AT 6 TO 125 VAC; 1 AMP AT 6 TO 24 VDC; .3 AMPS AT 125 VDC; .1
226.	6350009373144	DETECTOR	25 VOLTS, 0-300 FEET PER MINUTE AIR FLOW 7456	19	18.24	19	12/05/94	01/24/01	RADIOACTIVE MATERIAL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
227.	635000JSC5012	SENSOR	6598	1	999.00	1	08/06/90	08/29/07	SMOKE DETECTOR. FOR AIR HANDLERS IN BUILDING 46. KIT CONSISTS OF THE FOLLOWING: 1. 1 EA. PWA SMOKE DETECTOR CNTL 24VDC, P/N 124502P1 2. 1 EA. SMOKE DETECTOR ENCLOSURE, P/N 129322G1 3. 1 EA. W
228.	635000JSC5041	ALARM	.25 AMPS, 24 VOLTS 7456	6	48.60	6	07/29/94		FOR PROTECTION OF LIFE AND PROPERTY. MASS SERIES IS PROGRAMMABLE FOR ONE OF EIGHT WARNING TONES, STROBE FLASHES WARNING SIGNAL EVERY 1.5 SECONDS. SURFACE MOUNTED ON 4 INCH BACKBOX. SOUNDER STROBE. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
229.	635000JSC5042	CABINET	3 SPACE, 29 1/2 INCH HIGH, 15 INCH WIDE, 4 13/16 INCH DEEP 7456	4	301.87	4	07/29/94	01/31/08	HEAVY DUTY, 16 GAGE STEEL, WALL MOUNTED ENCLOSURE AND REMOVABLE BACK PLATE, KEY LOCK FRONT DOOR. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
230.	635000JSC5047	ANNUNCIATO R	3-24 VOLTS 7456	6	21.00	6	07/29/94	02/12/01	FOR EDWARDS IONIZATION SMOKE DETECTOR MODEL 1451. 2 0R 4 WIRE SYSTEMS, FITS STANDARD NORTH AMERICAN SINGLE GANG ELECTRICAL BOX. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LIST- ED BELOW.
231.	635000JSC5048	COVER	7456	4	600.00	2	07/29/94	01/19/00	EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
232.	635000JSC5049	PANEL	24 VOLTS DC INPUT, 800 MILLIAMP STANDBY CURRENT, 7456 19 INCH LENGTH, 7 INCH HEIGHT	1	5,405.55	1	07/29/94	01/18/01	FOR FIRE COMMAND CENTER. 80 CHARACTER, 25 LINE, ELECTROLUMINESCENT. CONSISTS OF COMMON RESET SWITCHES, ALARM AND TROUBLE SILENCE, ACKNOWLEDGE, BACK PRESS FOR INSTRUCTION AND GRAPHICS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
233.	635000JSC5050	PANEL	WITH KEY PAD, STANDARD 19 INCH X 3 1/2 INCH, 7456 REPAIRABLE	1	1,207.00	1	07/29/94	01/18/01	FOR FIRE COMMAND MULTI-MICROPROCESSOR BASED CONTROL CENTER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
234.	635000JSC5052	CONTROL MODULE	STANDARD, WITH RS-485 DATA LINES, 28 PANEL ADDRESSES 7456 3000 POINTS, REPAIRABLE	2	1,733.82	2	07/29/94	06/15/07	NETWORK MASTER CONTROL MODULE CONTAINS THE SYSTEM DATABASE, COORDINATES ALL SYSTEM NETWORKING, PRINTER REPORTS AND OUT- PUTS, MANUAL AND OVERRIDE FUNCTIONS OF THE FRONT PANEL OR FROM THE RS-232 INTERACTIVE PORT, ALL I/L FUNCTIONS FROM THE USER DE

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
235.	635000JSC5053	DETECTOR	15-28 VOLTS, 5M AMPS, TRADITIONAL WITH THERMAL 7456	6	67.00	6	08/01/94		INTELLIGENT PHOTOELECTRIC SENSOR WITH INTEGRAL COMMUNICATIONS. BLINKING LED AND BUILT-IN TYPE IDENTIFICATION. COMPACT, 2-WIRE SYSTEM, -10 TO 60 DEGREE C, 14 TO -140 DEGREE F TEMPERATURE RANGE, 10 TO 15% RELATIVE HUMIDITY. EDWARDS SYS
236.	635000JSC5054	BASE	6.1 INCH DIAMETER, .8 INCH HEIGHT, 1.5 X 4 INCH SQUARE 7456 BOX WITH OR WITHOUT PLASTER RING MOUNTING	19	10.19	19	08/01/94	03/24/06	FOR INSTALLATION AND MAINTENANCE OF EDWARDS ADDRESSABLE ANALOG DETECTOR. PLUG IN TYPE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
237.	635000JSC5055	HOUSING	TRADITONAL, WITHOUT RELAY 7456	2	133.00	2	08/01/94	02/06/02	FOR ANALOG DUCT SMOKE SENSOR MODELS 1551F (IONIZATION) AND 2551F (PHOTOELECTRIC). HIGH IMPACT PLASTIC, CLEAR COVER FOR VIEWING OF POLLING AND ALARM LEDS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
238.	635000JSC5057	ANNUNCIATOR	SET INCLUDES COLOR MONITOR, COMPUTER AND KEYBOARD, 120/ 7456 220 VOLTS AC, 50/60 HERTZ, 20 MEGAHERTZ, 1200 TO 9600 BAUD TRANSMISSION RATING, REPAIRABLE	1	11,425.00	1	08/01/94	08/20/99	FOR EDWARDS FCC MULTI-LINE SYSTEM. STANDARD SINGLE PORT VERSION MONITORS A SINGLE LINE NETWORK OR PROVIDES A SINGLE POINT OF CONTROL. RS-232 FORMAT. INCLUDES 13 INCH COLOR VGA SCREEN AND KEYBOARD. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELO

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
239.	635000JSC5059	COVER	7456	16	300.00	16	07/29/94		EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
240.	635000JSC5060	SENSOR	2 WIRE, TWIST-IN, TWIST-OUT HEAD 7456	2	34.65	2	07/29/94	09/02/04	IONIZATION HEAD. FOR DUCT SMOKE DETECTOR MODEL DH400I. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
241.	635000JSC5061	COVER	7456	4	524.63	4	07/29/94	07/02/07	EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
242.	635000JSC5062	BELL	RED, 6 INCH GONG, 24 VOLTS 7456	6	16.16	4	08/17/94	02/08/06	FOR NOTIFIER FIRE ALARM AND BURGLARY SYSTEMS. LOW CURRENT, INDOOR/OUTDOOR INSTALLATION, MOUNTS TO 4 INCH SQUARE ELECTRICAL BOX. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
243.	635000JSC5065	BASE	6.2 INCH BASE DIAMETER 7456	13	21.00	4	08/19/94	06/27/97	FOR NOTIFIER INTELLIGENT IONIZATION DECTECTOR MODEL CPX-551. NOTIFIER PART NUMBER LISTED BELOW.
244.	635000JSC5067	BELL	10 INCH GONG, 24 VOLTS, 92 DBA 7456	2	32.71	2	08/19/94	10/12/00	FOR NOTIFIER FIRE AND LIFE SAFETY ALARM SYSTEMS. LOW CURRENT, VIBRATING, SEMI-FLUSH, OUTDOOR AND CONCEALED CONDUIT MOUNTING. NOTIFIER PART NUMBER LISTED BELOW.
245.	635000JSC5068	DETECTOR	135 DEGREE F FIXED TEMPERATURE (58 DEGREE C), 14.25 TO 28 7456 VOLTS DC, 10 TO 93% RELATIVE HUMIDITY	20	80.00	10	08/19/94	09/05/97	ANALOG THERMAL DETECTOR, DUAL THERMISTORS, ADDRESSABLE, 2-WIRE LOOP CONNECTION. LEXAN CONSTRUCTION, OFF WHITE COLOR. MOUNTING BASE NOT INCLUDED. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
246.	635000JSC5070	DETECTOR	THERMAL 7456	4	62.25	4	09/08/94	06/12/03	FOR XL3 PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
247.	635000JSC5072	MODULE	AUDIBLE ALARM EXTENDER, 6.5 MILLIAMPS NORMAL, REQUIRES 7456 40 MILLIAMPS PLUS 1.5 AMPS MAXIMUM FOR SIGNALING CIRCUIT	2	90.00	2	09/08/94	08/20/07	FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
248.	635000JSC5073	ZONE INDICATING UNIT	7456	2	200.00	1	09/08/94	05/30/03	FIRE AND SMOKE DETECTOR SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
249.	635000JSC5074	HOUSING	7456	6	70.00	2	09/08/94		FOR AIR DUCT DETECTOR MODELS Z AND ID-60, SERIES 3. FRONT LED ALARM. CLEAR HOUSING COVER FOR IDENTIFICATION OR DETECTOR TYPE. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
250.	635000JSC5078	ANNUNCIA-TOR	KEYPAD MODULE 7456	1	1,422.85	1	09/08/94	02/19/04	FOR MXL PROTECTION SYSTEM. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
251.	635000JSC5079	DOOR	7456	1	32.50	1	09/08/94		FOR CONTROL PANEL MODEL CP-35 SYSTEM 3. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
252.	635000JSC5080	BACK BOX	7456	1	212.20	1	09/08/94		FOR PYROTRONICS SYSTEMS 3 CONTROL PANELS, OUTPUT MODULES AND POWER SUPPLIES. HEAVY GAUGE STEEL, BLACK ENAMEL FINISH. USED IN 8 MODULE ENCLOSURE, DESIGNED FOR MOUNTING THE Z BRACKETS AND U CHANNEL SUPPORTS. CERBERUS PYROTRONICS PART NUMBER LIST
253.	635000JSC5082	DETECTOR	16 TO 25 VOLTS, 32 TO 100 DEGREE F OPERATING TEMPERATURE, 7456 0 TO 93% RELATIVE HUMIDITY, 0-1200 FEET PER MINUTE AIR VELOCITY	3	91.49	7	09/08/94	09/11/06	INTELLIGENT IONIZATION DETECTOR PROVIDES EXTREMELY HIGH DEGREE OF RESISTANCE TO RFI, EMI AND HUMIDITY. USES STATE- OF-THE-ART MOTOROLA MICROPROCESSOR WITH "ON BOARD" EPROM. PLUG-IN, TWO WIRE TYPE. CONSISTS OF SELF COMPENSATING DUAL IONIZATION

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
254.	635000JSC5089	DETECTOR	7456	2	300.00	2	11/03/94	01/15/97	FOR CONTROLLERS MODELS R7300, R7301, R7302 OR R7303 ONLY. END OF LINE RESISTOR OR CONNECTION. UV DETECTOR. DETECTOR ELECTRONICS PART NUMBERS LISTED BELOW.
255.	635000JSC5096	DETECTOR ASSEMBLY	.15 AMP CONTACT, 24 VOLTS DC, 100 DEGREE F AMBIENT 7456 TEMPERATURE, 11 SECOND RESET TIME	2	185.78	1	11/03/94	08/11/05	PHOTOELECTRIC. SIMPLEX PART NUMBER LISTED BELOW.
256.	635000JSC5100	BASE	6 1/2 INCH DIAMETER, 1 15/16 INCH HEIGHT, MAPNET II 7456	6	109.00	6	11/03/94	08/11/05	SIMPLEX HEAT DETECTORS MODELS 2098 AND 4098. SIMPLEX TIME RECORDER PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
257.	635000JSC5101	BASE	MAPNET II, THIS IS THE REPLACEMENT PART FOR 2098-9652, 7456 WHICH INCLUDED PLASTIC BASE AND CIRCUIT BOARD, NOW ONLY THE CIRCUIT BOARD P/N 562-938 IS AVAILABLE	10	39.23	10	11/03/94	08/09/06	SIMPLEX HEAT DETECTORS MODEL 2098. ELECTRONIC PART OF BASE ONLY. SIMPLEX PART NUMBER LISTED BELOW.
258.	635000JSC5102	PULL BOX	SINGLE ACTION, ADDRESSABLE 7456	4	5.00	4	11/03/94	01/09/04	MANUAL, FIRE ALARM. SIMPLEX PART NUMBER LISTED BELOW.
259.	635000JSC5104	BELL	RED, 6 INCH GONG, .11 AMPS, 24 VOLTS, 84 MINIMUM DECIBELS 7456	5	4.80	4	11/03/94		HEAVY DUTY, DC SUPERVISED WITH DIODE, VIBRATING. SIMPLEX TIME RECORDER PART NUMBER LISTED BELOW.
260.	635000JSC5107	CONTROL	MOTION DETECTION SYSTEM 7456	0	150.00	1	11/03/94		SONTRIX PART NUMBERS LISTED BELOW.
261.	635000JSC5108	CONTROL	ULTRA MASTER CONTROL 7456	0	50.00	2	11/03/94		SONTRIX PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
262.	635000JSC5114	HOUSING	7456	3	43.00	3	12/05/94		FOR CERBERUS PYROTRONICS AIR DUCT DETECTOR MODEL ID-60P. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
263.	635000JSC5115	HOUSING	7456	2	100.00	2	12/05/94		ALUMINUM, FOR UV DETECTOR. DETECTOR ELECTRONICS PART NUMBER LISTED BELOW.
264.	635000JSC5116	SENSOR	GENERAL PURPOSE 7456	4	299.78	4	12/05/94	06/01/06	FOR USE WITH DETRONICS ULTRAVIOLET UV AND UV/IR FLAME DETECTORS. DETECTOR ELECTRONICS PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
265.	635000JSC5117	SENSOR	HYDROGEN FIRE DETECTION 7456	2	805.95	2	12/05/94	11/18/05	FOR USE WITH DETRONICS ULTRAVIOLET UV AND UV/IR FLAME DETECTORS. DETECTOR ELECTRONICS PART NUMBERS LISTED BELOW.
266.	635000JSC5119	PULL BOX	5 1/2 INCH LENGTH, 4 1/8 INCH WIDE, 1 25/64 INCH DEPTH	4	35.15	2	12/05/94	12/13/05	FIRE ALARM, STANDARD UNIT, DUAL ACTION, NON-BREAKABLE GLASS, WITH TERMINAL BLOCK. FIRE LITE PART NUMBER LISTED BELOW.
267.	635000JSC5121	DETECTOR	50 VOLTS, 0-25 FEET PER MINUTE AIR FLOW 7456	4	7.50	4	12/05/94	07/17/06	RADIOACTIVE MATERIAL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
268.	635000JSC5124	BELL	RED, 6 INCH GONG, 12 VOLTS 7456	3	30.00	2	12/02/94	09/13/05	FOR NOTIFIER FIRE ALARM AND BURGLARY SYSTEMS. LOW CURRENT, INDOOR/OUTDOOR INSTALLATION, MOUNTS TO FOUR INCH SQUARE ELECTRICAL BOX. NOTIFIER PART NUMBER LISTED BELOW.
269.	635000JSC5126	DEVICE	BLACK, 1/2 INCH INLET, OUTLET 7546	2	510.65	2	06/16/95	06/13/06	FOR AIR MAINTENANCE DEVICE MODEL F324. AUTOMATIC, PRESSURE PIPE, FIELD ADJUSTABLE. GRINNELL PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
270.	635000JSC5129	PULL STATION	DOUBLE ACTION, PULL DOWN, PUSH-IN TAB, SWITCH: N.O. SPST, 7456 1 AMP @ 250 VOLTS AC/DC, 3 AMP @ 125 VOLTS AC/DC MAIN ACTION, .75 AMP @ 125 VOLTS AC/DC FIRST ACTION	3	111.22	3	07/12/95	06/02/06	MOLDED POLYCARBONATE CONSTRUCTION, SHOCK AND VIBRATION RESISTANT, UL LISTED. RED MATTE FINISH, WHITE LETTERING. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
271.	635000JSC5130	BELL	RED, 10 INCH GONG, 24 VOLTS 7456	1	48.00	1	07/12/95		FOR NOTIFIER FIRE ALARM AND BURGLARY SYSTEMS. LOW CURRENT, INDOOR/OUTDOOR INSTALLATION, MOUNTS ON 4 INCH SQUARE ELECTRICAL BOX. NOTIFIER PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
272.	635000JSC5131	DETECTOR	3/4 INCH ENTRY 7456	2	395.00	2	07/12/95		ULTRAVIOLET/INFRARED DETECTIOR. CONSIST OF TWO PRE-WIRED SENSORS AND TWO SENSOR HOUSINGS MOUNTED ON A COMMON J-BOX. EXPLOSION PROOF, ALUMINUM MATERIAL. DETECTOR ELECTRONICS PART NUMBER LISTED BELOW.
273.	635000JSC5133	SWITCH	RED FINISH, 2 SETS OF SPDT (FORM C) CONTACTS, 15 AMPS AT 7456 125/50 VOLTS, 2.5 AMPS AT 0 TO 30 VOLTS DC RESISTIVE	1	52.89	1	07/17/95	12/05/00	FOR AUTOMATIC SPRINKLER GATE VALVE. OUTSIDE SCREW AND YOKE TYPE. POTTER ELECTRIC PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
274.	635000JSC5140	BASE	BONE WHITE 7543	2	16.92	2	07/21/95		FOR GAMEWELL SMOKE DETECTOR MODELS 70884, 70885 AND 70886. TERMINAL DESIGNATION AT BASE FOR PERMANENT MARKINGS, WIRED THROUGH CENTER CUT-OUT. INCLUDES CURRENT LIMITING RESISTOR, TRANSIENT SUPRESSION AND BLOCKING DIODE. GAMEWELL PART NUMBER LIST
275.	635000JSC5141	DETECTOR	24 VOLTS DC, 15 TO 36.3 WORKING VOLTS DC, 42 MAXIMUM VOLTS 7543 DC, .15 AMPS AT 25 DEGREE C, -10 TO +50 DEGREE C (32 TO 120 DEGREE F) AMBIENT TEMPERATURE RANGE	2	61.69	2	07/21/95		FOR TWIST-LOCK BASE SERIES 70891 AND 70892. PHOTOELECTRIC, LOW PROFILE. EXTERNAL MOUNTED LED. BASE DETECTOR MOUNTS TO 3 1/2 INCH OCTAGON BOX. GAMEWELL PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
276.	635000JSC5146	SENSOR	21.2 - 27.3 VOLTS DC 7456	4	133.94	4	12/02/94	08/29/95	SMOKE DETECTOR. FOR USE WITH BASE MODELS 14503655-001, 002, AND 003. HONEYWELL PART NUMBER LISTED BELOW.
277.	635000JSC5150	BASE	WHITE 7713	1	35.02	1	07/24/96		FOR EDWARDS SIGNATURE SERIES DETECTORS. HIGH IMPACT ENGINEERING POLYMER CONSTRUCTION, WITH ISOLATOR. 32 TO 120 DEGREE F OPERATING TEMPERATURE, 0 TO 93% RELATIVE HUMIDITY. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
278.	635000JSC5151	BASE	WHITE, WITH 4 INCH BOX TRIM SKIRT/RING 7713	5	33.32	5	07/24/96		FOR EDWARDS SIGNATURE SERIES DETECTORS. HIGH IMPACT ENGINEERING POLYMER CONSTRUCTION, WITH ISOLATOR. 32 TO 120 DEGREE F OPERATING TEMPERATURE, 0 TO 93% RELATIVE HUMIDITY. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
279.	635000JSC5152	INDICATOR	CLEAR LENS, RED LIGHT EMITTING DIODE 7713	5	13.60	5	07/24/96		FOR SIGA DETECTOR. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
280.	635000JSC5153	FIRE ALARM STATION	RED, PULL LEVER OPERATION 7713	7	79.41	7	07/24/96	06/21/06	MANUAL, FOR SIGA DETECTOR. HIGH IMPACT PLASTIC, STEEL BACKPLATE, DOUBLE ACTION, UPPER DOOR MARKED "LIFT THEN PULL HANDLE". EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
281.	635000JSC5155	FIRE ALARM STATION	RED, TOOL OPERATED RESET 7713	1	31.96	1	07/24/96		MANUAL, LEXAN CONSTRUCTION, DOUBLE ACTION, SCREW TERMINALS. SINGLE POLE CONTACTS, UPPER DOOR MARKED "LIFT THEN PULL HANDLE". EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
282.	635000JSC5157	PULL BOX	RED WITH WHITE LETTERING, STANDARD UNIT INCLUDES WEATHER-7458 PROOF BACK BOX (WBB OR WP-10)	10	143.63	2	08/17/94	12/13/05	MANUAL STATIONS, NON-CODED. NOTIFIER PART NUMBERS LISTED BELOW.
283.	635000JSC5161	HORN STROBE	RED, 15/75 CD 7767	7	70.07	7	01/30/97	08/21/07	FOR INDOOR USE. ALERT AND ALARM SIGNAL, FOR THE HEARING IMPAIRED. WALL OR CEILING MOUNTED, RUGGED PLASTIC HOUSING. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
284.	635000JSC5163	WICK	WICK, HUMIDIFIER, FOR CIRRUS CLOUD CHAMBER, 3 PER PACKAGE 7899	3	82.50	3	04/20/00	02/01/08	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
285.	635000JSC5164	BLOWER ASSEMBLY	DC 7916	2	2,355.18	2	06/14/00	01/29/08	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.
286.	635000JSC5165	CONTROL MODULE	250 WATT MAXIMUM @ 25/70 VRMS, 0-49 DEGREE C ENVIRONMENT 7921 TEMPERATURE, 85% NON-CONDENSING HUMIDITY	2	1,254.71	2	04/27/01	04/06/04	FOR SIGNATURE SERIES EQUIPMENT. CONTAINS ALL THE CIRCUITRY, MEMORY AND INSTRUCTIONS TO COMMUNICATE WITH THE MASTER NETWORK CONTROLLER. COMPRISES OF CONTROL MODULE MOTHERBOARD, DISPLAY PANEL, CPU CARD, COMMUNICATIONS CARD, AND OPTIONS CARDS. EDWA

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
287.	635000JSC5166	DETECTOR	0 TO 500 FEET PER MINUTE, 32 TO 100 DEGREE F (0 TO 38 7922 DEGREE C) STORAGE AND OPERATING TEMPERATURE RANGE, 0 TO 93% RELATIVE HUMIDITY (NON-CONDENSING), 15.2 TO 19.95 VOLTS DC OPERATING	8	80.00	8	04/27/01	02/25/05	INTELLIGENT 4D MULTISENSOR DETECTOR. INTEGRATES 3 SENSING TECHNOLOGIES: ION, PHOTO AND HEAT. ION SENSOR IS UNIPOLAR, PHOTO SENSOR USES LIGHT SCATTERING PRINCIPLE, AND HEAT SENS OR ALARMS AT 65 DEGREE F (35 DEGREE C) ABOVE AMBIENT. HIGH IMPACT ENGI

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
288.	635000JSC5170	CHASSIS ASSEMBLY	7937	3	277:32	3	06/24/02	08/23/02	FOR FIRE ALARM. SEVEN LOCAL RAIL MODULE CHASSIS, OCCUPIES ONE CHASSIS SPACE IN WALLBOX, PROVIDES SEVEN LOCAL RAIL MODULE SPACES, SPACE FOR UP TO TWO POWER SUPPLIES AND A 1/2 FOOTPRINT MODULE. EDWARDS SERVICE TECHNOLOGY PART NUMBER LISTED BELO
289.	635000JSC5171	MODULE	71 MA STANDBY CURRENT, 141 MA ALARM CURRENT, 3.5 AMP @ 7937 24 VOLTS DC	2	585.24	2	06/24/02	12/04/07	FOR FIRE ALARM. TRADITIONAL ZONE, INITIATING DEVICE CIRCUIT. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
290.	635000JSC5172	MODULE	1 MA STANDBY CURRENT, 1 AMA ALARM CURRENT 7938	2	142.00	2	06/24/02	09/05/02	FOR FIRE ALARM. PROVIDES INTERFACE FOR ONE CONTROL DISPLAY MODULE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
291.	635000JSC5173	MODULE	7938	1	287.73	1	06/24/02		OFF PREMISES SIGNALING, FOR FIRE ALARM. MOUNTS ON ONE LOCAL RAIL. CAN BE CONFIGURED FOR OLD OR NEW STYLES OF REVERSE POLARITY CENTRAL STATION OPERATION. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
292.	635000JSC5174	MODULE	24 VOLTS DC NOMINAL, 32 TO 120 DEGREE F OPERATING 7938 TEMPERATURE, 93% RELATIVE HUMIDITY NON-CONDENSING	2	1,431.51	2	06/24/02	01/12/07	FOR FIRE ALARM. SINGLE SIGNATURE DRIVER CONTROLLER. COMES WITH ONE 3-SDC DEVICE CARD, MOUNT ON LOCAL RAIL. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
293.	635000JSC5175	MODULE	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE, 32 TO 120 7941 DEGREE F OPERATING TEMPERATURE, -4 TO 140 DEGREE F STORAGE TEMPERATURE, 93% RELATIVE HUMIDITY	4	75.84	4	06/20/02	12/09/04	FOR FIRE ALARM. SINGLE INPUT (RISER) SIGNAL MODULE, TYPE CODE 50 (FACTORY SET). USES ONE MODULE ADDRESS, WIRING TERMINATIONS SUITABLE FOR #12 TO #18 AWG, MOUNTING: NORTH AMERICAN 2 1/2 INCH DEEP TWO GANG BOXES AND 1 1/2 INCH DEEP 4 INCH SQUA

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
294.	635000JSC5176	MODULE	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE, 32 TO 120 7941 DEGREE F OPERATING TEMPERATURE, -4 TO 140 DEGREE F STORAGE TEMPERATURE, 0 TO 93% RELATIVE HUMIDITY	6	62.96	6	06/20/02	02/09/05	FOR FIRE ALARM. SINGLE INPUT (RISER) SIGNAL MODULE, TYPE CODE 50 (FACTORY SET). USES ONE MODULE ADDRESS, WIRING TERMINATION SUITABLE FOR #12 TO #18 AWG, MOUNTING: PLUGS INTO U102R, U106R OR U106 MOTHERBOARDS. EDWARDS SYSTEMS TECHNOLOGY
295.	635000JSC5177	MODULE	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE, 32 TO 120 7941 DEGREE F OPERATING TEMPERATURE, -4 TO 140 DEGREE F STORAGE TEMPERATURE, 0-93% RELATIVE HUMIDITY	4	70.34	4	06/20/02	02/24/05	FOR FIRE ALARM. DUAL INPUT (RISER) SIGNAL MODULE. TYPE CODE 51 (FACTORY SET, USES TWO MODULE ADDRESSES, STANDARD MOUNT. SUITABLE FOR #12 TO #18 AWG WIRE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
296.	635000JSC5178	MODULE	HIGH AMBIENT TEMPERATURE OPERATION UP TO 120 DEGREE F 7941	6	118.83	6	06/20/02	03/20/06	FOR FIRE ALARM. UNIVERSAL CLASS A/B, 15 FUNCTIONS, NONVOLATILE MEMORY, INTEGRAL MICROPROCESSOR. GATHERS INFORMATION AND COVERTS IT INTO DIGITAL SIGNALS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
297.	635000JSC5179	CONTROLLER ASSEMBLY	STANDBY CURRENT 100 MA, ALARM CURRENT 120 MA, CONTACT 7935 RATINGS: NON-BYPASSABLE ALARM, SUPERVISORY AND TROUBLE; FORM C CONTACT 1 A @ 30 VOLTS DC. 32 TO 120 DEGREE F TEMPERATURE RATING, 93% MAXIMUM RELATIVE HUMIDY	0	901.44	2	06/21/02	06/21/07	FOR FIRE ALARM PANELS IN BUILDINGS 29 AND 30MOW. CENTAL PROCESSOR MONITORS THE STATUS OF ALL MODULES AND PROVIDES THE LINK FOR NETWORK COMMUNICATIONS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
298.	635000JSC5180	CONTROLLER	24 VOLTS DC OPERATING VOLTAGE, OPERATING STANDBY CURRENT 7935 230 MA, OPERATING ALARM CURRENT 310 MA, 32 TO 120 DEGREE F OPERATING TEMPERATURE, 0-93% RELATIVE HUMIDITY NON-CONDENSING	5	1,536.01	5	06/21/02	09/20/07	FOR FIRE ALARM PANEL IN BUILDINGS 29 AND 30MOW. TWO CIRCUIT BOARDS CONSISTING OF A LOOP CONTROLLER AND A LINE INTERFACE MODULE. ANALOG ADDESSABLE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
299.	635000JSC5184	CONTROL PANEL	7948	1	678.76	1	09/10/03		FOR BUILDINGS 24 AND 31 NORTH FIRE ALARM SYSTEMS. FIRE SUPPRESSION CONTROL PANEL (FSCP) INTERFACES WITH ZONE RELEASING MODULE (ZRM). FSCP PROVIDES ON BOARD ABORT SWITCH, MANUAL RELEASE SWITCH, DIGITAL COUNTDOWN TIMER, DISPLAY TIMER, FIRS
300.	635000JSC5185	CONTROLLER ASSEMBLY	7961	1	4,494.00	1	02/17/05	04/18/05	FOR JSC FIRE ALARM NETWORK. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
301.	635000JSC5186	COVER	COVER ONLY 7961	1	600.00	1	02/17/05		FOR JSC ALARM SYSTEM. COVER IS FOR THE EDWARDS SYSTEMS TECHNOLOGY MODEL CM1N-RM DISPLAY CONTROL PANEL. EST PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
302.	635000JSC5187	LAMP	REMOTE ALARM 7458	6	12.00	6	08/25/94		FOR SYSTEM 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
303.	635000JSC5188	DETECTOR	16 TO 26.6 VOLTS DC, 0 TO 39 DEGREE C OPERATING TEMPERA-7920 TURE, 93% NON-CONDENSING HUMIDITY	6	64.20	6	04/09/01	02/21/07	PHOTOELECTRIC SMOKE DETECTOR SERIES PE-11 CONTAINS AN INFRARED LED AND A LIGHT SENSING PHOTODIODE. TWO-WIRE, PLUG- IN TYPE DETECTOR. SIEMENS PART NUMBER LISTED BELOW.
304.	635000JSC5189	CONTROLLER	24 VOLTS DC, 1.5 WATTS, 3.5 WATTS MAXIMUM E990 1 7968 OPERATING TEMPERATURE -40 DEGREE F TO 158 DEGREE F, 9 1/2 INCH WIDTH, 2 INCH THICK, 7 INCH HEIGHT	1	4,093.00	1	01/12/06	03/14/06	FOR ELLINTON FIELD HANGAR 990 FIRE DETECTION AND SUPPRESSION SYSTEM. CONTINUOUSLY MONITORS UP TO 8 DETECTORS. DETRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
305.	635000JSC5190	DETECTOR	TEMPERATURE SETTING @ 140 DEGREE F +7 OR -8 DEGREE F 7970 TOLERANCE	12	147.81	12	02/15/06	12/28/06	FOR FIRE ALARM NETWORK AT JSC. VERTICAL DETECT-A-FIRE UNIT IS FOR CONCEALED AND EXPOSED WIRING (HEXAGONAL HEAD). BLACK COLOR CODING. STAINLESS STEEL SENSING HEAD, BRASS MOUNTING HEAD. GAUMER COMPANY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
306.	635000JSC5192	DETECTOR	32 TO 120 DEGREE F (0 TO 49 DEGREE C) TEMPERATURE RANGE, 7983 10 TO 93% RH NONCONDENSI NG HUMIDITY RANGE, 2" (51MM) H X 4.1" (104MM) DIAMETER (UNFLANGED BASE), OR 6.1" (155MM) DIAMETER (FLANGED BASE)	16	55.00	16	04/11/07	06/20/07	LOW PROFILE, PLUG-IN PHOTOELECTRIC SMOKE DETECTOR. MOUNTING BASE DEPENDENT. SYSTEM SENSOR PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
307.	635000JSC5193	DETECTOR	135 DEGREE F (57.2 DEGREE C) FIXED, 15 DEGREE F/MINUTE 7984 RATE-OF-RISE, 32 TO 100 DEGREE F (O TO 38 DEGREE C) TEMPERATURE RANGE, 10 TO 93% RH NONCONDENSI NG HUMIDITY RANGE, 3.2" (8.1CM) H X 4" (10.2 CM) DIAMETER (UNFLAN	200	31.03	200	04/11/07	01/23/08	COMBINATION FIXED AND RATE-OF-RISE, PLUG-IN HEAT DETECTOR. MOUNTING BASE DEPENDENT. SYSTEM SENSOR PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
308.	635000JSC5194	DETECTOR	-4 TO 100 DEGREE F (-20 TO 38 DEGREE C) OPERATING 7980 TEMPERATURE, 1- TO 93% RH NONCONDENSING, RATE-OF-RISE DETECTION: 15 DEGREEF/MIN (8.3 DEGREE C/MIN), 15-32 VOLTS DC PEAK	25	80.93	25	04/11/07	06/20/07	RATE-OF-RISE THERMAL DETECTOR, LOW PROFILE PLUG-IN. SERIES 200 INTELLIGENT DETECTOR. SYSTEM SENSOR PART NUMBER LISTED BELOW.
309.	635000JSC5195	BASE	32 TO 120 DEGREE F (0 TO 49 DEGREE C) OPERATING 7979 TEMPERATURE RANGE, 10 TO 93% RH NONCONDENSING OPERATING HUMIDITY RANGE, 4.1" (104MM) DIAMETER	0	-	50	04/11/07		FLANGELESS MOUNTING INTELLIGENT EURO-STYLE BASE. SYSTEM SENSOR PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
310.	635000JSC5196	DETECTOR	-4 TO 150 DEGREE F (-20 TO 66 DEGREE C) OPERATING 7982 TEMPERATURE RANGE, 10 TO 93% RH NONCONDENSI NG OPERATING HUMIDITY RANGE, 4.1" DIA, 2" HIGH, THERMAL RATING: HIGH TEMPERATURE HEAT 190 DEGREE F (88 DEGREE C), 15-	25	57.70	25	04/23/07	07/19/07	HIGH TEMPERATURE THERMAL DETECTOR. SYSTEM SENSOR AND EST PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
311.	635000JSC5197	DETECTOR	32 TO 120 DEGREE F (0 TO 49 DEGREE C) OPERATING TEMPERATURE 7985 RANGE, 10 TO 93% RH NONCONDENSI NG OPERATING HUMIDITY RANGE, 4.4" DIA, 2" HIGH, 15 TO 32 VOLTSVDC PEAK VOLTAGE RANGE	12	70.92	12	04/23/07	06/20/07	LOW PROFILE PLUG-IN IONIZATION SMOKE DETECTOR. SYSTEM SENSOR AND EST PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
312.	635000JSC5198	DETECTOR	32 TO 100 DEGREE F (0 TO 38 DEGREE C) OPERATING TEMPERATURE 7981 RANGE, 10 TO 93% RH NONCONDENSI NG OPERATING HUMIDITY RANGE, 0-4000 FPM (0 TO 20 M/S) AIR VELOCITY, 4.1" DIA, 2" HIGH, FIXED TEMPERATURE SETPOINT: 135 DEGREE F (57 DEGREE C	25	78.42	25	04/23/07	03/25/08	ACCLIMATE MULTICRITERIA SMOKE DETECTOR. COMBINES PHOTO ELECTRIC AND 135 DEGREE F THERMAL SIGNALS TO PROVIDE EARLIEST WARNING OF FIRE AND REJECT NUISANCE ALARMS. EST AND SYSTEM SENSOR PART NUMBER LISTED BELOW.
313.	635000JSC5199	FLANGE	N/A	50	3.26	50	07/09/07		RETROFIT REPLACEMENT FLANGE FOR B400 SERIES FLANGED BASES. SYSTEM SENSOR PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
314.	6350010773562	BELL	RED, 6 INCH, 115 VOLTS, 86 DBA 7456	3	23.50	1	09/08/94		FOR PYROTRONICS LIFE SAFETY ALARM SYSTEMS. SINGLE STROKE BELL, AC VIBRATING. INDOOR AND OUTDOOR INSTALLATION, MOUNTS TO 4 INCH SQUARE BACK BOX, UL LISTED. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
315.	6350012612030	PULL BOX	RED ENAMEL, 6 3/8 INCH HEIGHT, 4 1/2 INCH WIDTH 7456	6	372.82	6	12/02/94	02/07/06	FOR USE IN HAZARDOUS AREAS DUE TO PRESENCE OF FLAMMABLE GASES, VAPORS OR COMBUSTIBLE DUSTS. PULL RING TYPE. KILLARK/HUBBELL PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
316.	6350013006268	MODULE	DUAL ZONE INPUT, 18.3 TO 23.5 VOLTS DC, 9 MILLIAMPS 7458 SUPERVISORY CURRENT, 275 MILLIAMPS ALARM	6	331.55	6	08/25/94	03/04/08	FOR SYSTEMS 3 ALARM CONTROL. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
317.	6350013010657	BASE	WHITE, 5 INCH OUTSIDE DIAMETER 7456	3	10.00	3	09/08/94		FOR PYROTRONICS IONIZATION DETECTOR HEAD MODELS DI-2 AND DI- 2D. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
318.	6350013224446	DETECTOR	SENSOR OPAQUE, PARTICLE, INTRINSICALLY SAFE 7456	6	97.00	6	09/08/94	08/05/02	IONIZATION, DUAL CHAMBER, HIGHLY STABLE SOLID STATE AMPLIFIER SWITCHING CIRCUIT. FIRST RESPONSE TO FIRE IN THE FORM OF SMOKE OR INVISIBLE PRODUCTS OF COMBUSTION, UL LISTED. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
319.	6350013332538	DETECTOR	SENSOR, OPAQUE PARTICLE, HIGH AIR VELOCITY 7456	12	52.00	12	09/08/94	09/07/07	IONIZATION, DUAL CHAMBER, HIGHLY STABLE SOLID STATE AMPLIFIER SWITCHING CIRCUIT. FIRST RESPONSE TO FIRE IN THE FORM OF SMOKE OR INVISIBLE PRODUCTS OF COMBUSTION, UL LISTED. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
320.	6350014060436	DETECTOR	135 DEGREE F RATE COMPENSATIO N/FIXED TEMPERATURE 7456	5	204.05	5	09/08/94	06/09/05	FIXED TEMPERATURE FIRE DETECTOR WITH INTERNAL LAMP. USED WITH CERBERUS PYROTRONICS LOW VOLTAGE SYSTEMS, UL LISTED. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
321.	6350014351044	BELL	6 INCH SHELL SIZE, 24 VOLTS, 84 DBA, VIB ACTION 7456	4	38.80	8	09/09/94	04/14/06	FOR PYROTRONICS FIRE AND LIFE SAFETY ALARM SYSTEMS. ALUMINUM SHELL, VIBRATING, SEMI-FLUSH MOUNTING TO STANDARD FOUR INCH BACK BOX. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
322.	6350014404163	DETECTOR	15 TO 28 VOLTS, 0 TO 49 DEGREE C (32 TO 120 DEGREE F) 7456 AMBIENT TEMPERATURE, 10 TO 93% RELATIVE HUMIDITY	12	62.54	12	08/19/94	09/02/04	IONIZATION, DUAL CHAMBER INTELLIGENT DETECTOR. FACTORY PRESET AT 1.06% NOMINAL SENSITIVITY FOR PANEL ALARM THRESHOLD LEVEL. 2-WIRE LOOP CONNECTION. NOTIFIER PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
323.	6350014426141	DETECTOR	.15 AMP CONTACT, 24 VOLTS DC, 100 DEGREE F AMBIENT 7456 TEMPERATURE, 10 SECOND RESET TIME	16	1.80	16	11/03/94	07/19/06	PHOTOELECTRIC. SIMPLEX PART NUMBER LISTED BELOW.
324.	6350014455391	DETECTOR	FOR IXL, MXL AND XL3 CONTOL PANELS 7456	6	79.00	6	09/08/94	01/23/08	INTELLIGENT, PLUG-IN, TWO-WIRE, DUST RESISTANT AND FIELD CLEANABLE PHOTO CHAMBER. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW OR EQUAL.
325.	6350014476341	MODULE	STYLE B OR D INITIATING DEVICE CIRCUIT, MOUNTS IN 7456 STANDARD DEEP 4 INCH SQUARE ELECTRICAL BOX	26	73.30	26	07/29/94	12/12/07	MONITORS ALARM OR SUPERVISORY DEVICE CONTACTS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
326.	6350014505413	BELL	RED, 6 INCH GONG, 24 VOLTS 7747	4	37.00	4	10/28/96	09/13/05	HEAVY DUTY, CAST HOUSING, VIBRATING. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
327.	6350014505420	ADAPTER PLATE	RED	3	71.48	3	01/30/97	04/22/97	FOR MOUNTING ALARM BELL. EQUIPPED WITH STROBE SIGNAL. INDOOR USE ONLY. BELL NOT INCLUDED. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
328.	6350014509477	ADAPTER PLATE	RED	5	53.50	5	07/24/96	04/14/06	FOR MOUNTING FIRE ALARM BELL. EQUIPPED WITH STROBE SIGNAL. INDOOR USE ONLY. BELL NOT INCLUDED. EDWARDS SYSTEMS TECH- NOLOGY PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
329.	6350014521123	BASE	7456	28	7.65	28	09/08/94	01/02/08	FOR PYROTRONICS DETECTOR MODELS DI-3, DI-3A, DI-3B, ID-60 SERIES, ILP SERIES, DT-3P-135, PE-3, PE-3T, DF-3 AND DF-3A. LOW PROFILE MOUNTING BASE. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
330.	6350014521124	SENSOR	15-28 VOLTS (PEAK DC), 5MA CURRENT, 32 TO 140 DEGREE F 7456 TEMPERATURE RANGE	17	45.98	17	07/29/94	01/04/99	ELECTRONIC DUAL THERMISTORS, BUILT-IN TEST SWITCH, TWO VISIBLE LEDS. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Retention Level	Date Created	Date Issue	Index Description
331.	6350014523182	DETECTOR	WHITE, FACTORY PRESET AT 1.5 NOMINAL SENSITIVITY, 7456 32 TO 120 DEGREE F TEMPERATURE RANGE, 10 TO 93% RELATIVE HUMIDITY	13	43.95	13	07/29/94	04/26/07	IONIZATION, DUAL UNIPOLAR CHAMBER, TWO VISIBLE LEDS BLINK IN STANDBY, 2 OR 4 WIRE OPERATION, FLAME RETARDANT NORYL PLASTIC. UL/ULC LISTED. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
332.	6350014523183	DETECTOR	15.2 TO 19.95 VOLTS DC OPERATING VOLTAGE, 32 TO 120 DEGREE 7713 F TEMPERATURE RANGE, 0 TO 93 PERCENT RELATIVE HUMIDITY	12	84.58	12	07/24/96	08/16/07	INTELLIGENT IONIZATION SMOKE DETECTOR IS A COMPONENT OF THE SIGNATURE SERIES SYSTEM. ANALOG DEVICE SENSES CHANGES IN AIR SAMPLES FROM ITS SURROUNDINGS, ANALYZES INFORMATION AND DETERMINES IF AN ALARM SHOULD BE INITIATED. CONTINUALLY MONITORS CH

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
333.	6350014525541	DETECTOR	135 DEGREE TEMPERATURE RATING, 15 TO 32 VOLTS DC, 10 TO 95% 7456 RELATIVE HUMIDITY	8	9.44	8	11/03/94	12/15/05	RATE-OF-RISE AND FIXED TEMPERATURE HEAT DETECTOR. SHORT DURATION HEAT FLUCTUATIONS WILL NOT CAUSE UNWANTED ALARMS. SIMPLEX PART NUMBER LISTED BELOW.
334.	6350014525542	DETECTOR	135 DEGREE F FIXED TEMPERATURE, 15.2 TO 19.95 VOLTS DC, 7713 0 TO 93% RELATIVE HUMIDITY	5	46.50	5	07/24/96	12/15/05	INTELLIGENT RATE-OF-RISE AND FIXED TEMPERATURE HEAT DETECTOR IS A COMPONENT OF THE SIGNATURE SERIES SYSTEM. HEAT SENSOR DETECTS HEAT FROM FIRE, RATE-OF-RISE DETECTS FLAMING FIRE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
335.	6350014534669	DETECTOR	AIR DUCT USE ONLY 7456	4	47.00	2	09/08/94	02/21/07	IONIZATION, DUAL CHAMBER, HIGHLY STABLE SOLID STATE AMPLIFIER SWITCHING CIRCUIT. FIRST RESPONSE TO FIRE IN THE FORM OF SMOKE OR INVISIBLE PRODUCTS OF COMBUSTION, UL LISTED. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.
336.	6350014590358	DETECTOR	OFF WHITE, 15 TO 30 VOLTS DC, 32 TO 100 DEGREE F OPERATING 7456 TEMPERATURE, 10 TO 95% RELATIVE HUMIDITY	0	51.45	7	11/03/94	09/11/07	INONIZATION, DUAL CHAMBER DESIGN, 2 OR 4 WIRE OPERATION, RED LED PULSING POWER-ON INDICATING ALARM. SIMPLEX PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
337.	6350014613003	DETECTOR	16 TO 25 VOLTS, 32 TO 100 DEGREE F OPERATING TEMPERATURE, 7456 0 TO 93% RELATIVE HUMIDITY, 0-300 FEET PER MINUTE AIR VELOCITY	7	78.49	10	09/08/94	11/13/06	INTELLIGENT IONIZATION DETECTOR PROVIDES EXTREMELY HIGH DEGREE OF RESISTANCE TO RFI, EMI AND HUMIDITY. USES STATE-OF-THE-ART MOTOROLA MICROPROCESSOR WITH "ON BOARD" EPROM. PLUG-IN, TWO WIRE TYPE. CONSISTS OF SELF COMPENSATING DUAL IONIZATION
338.	6350014650433	DETECTOR	15-28 VOLTS, 5M AMPS 7456	86	60.01	15	07/29/94	05/25/99	INTELLIGENT PHOTOELECTRIC SENSOR WITH INTEGRAL COMMUNICATIONS. BLINKING LED AND BUILT-IN TYPE IDENTIFICATION. COMPACT, 2-WIRE SYSTEM, -10 TO 60 DEGREE C, 14 TO -140 DEGREE F TEMPERATURE RANGE, 10 TO 15% RELATIVE HUMIDITY. EDWARDS SYS

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
339.	6350014672652	CONTROL MODULE ASSEMBLY	NETWORK WITH DISPLAY, REVISION 5.1 OR HIGHER, REPAIRABLE 7456	5	2,095.28	5	07/29/94	01/31/08	CONTROL MODULE MOTHERBOARD CONFIGURES ITSELF IN A REGENERATIVE NETWORK UPON FAILURE OF THE MASTER. TWO SWITCHES ON TH FRONT COVER PERFORM THREE FUNCTIONS: 1. ALARM SILENCE: OPERATES IN THE REGENERATIVE MODE, SILENCES
340.	6350014672653	BASE	BASE DIAMETER 6.2 INCH, 1.1 INCH HEIGHT, 10 TO 32 VOLTS DC 7456 STANDBY	46	9.45	30	07/29/94	03/26/08	FOR EDWARDS IONIZATION SMOKE DETECTOR MODELS 1451 AND 2451. UL/ULC VERSION, 2 WIRE LOOP TYPE. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
341.	6350014672928	PULL BOX	RED, WHITE LETTERING 7456	2	42.55	2	12/02/94	12/13/05	DOUBLE ACTION, TUMBLER LOCK FOR TEST AND RESET, SURFACE OR SEMI-FLUSH MOUNTING, SHOCK AND VIBRATION RESISTANT. FIRE CONTROL PART NUMBER LISTED BELOW.
342.	6350014813961	BASE	6 INCH DIAMETER 7920	4	11.00	4	04/09/01		FOR USE WITH SIEMENS PHOTOELECTRIC SMOKE DETECTOR MODEL PE-11. LOW-PROFILE SURFACE MOUNT. 6 INCH DIAMETER, SCREW CLAMP TERMINAL FOR EASY WIRING. SIEMENS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
343.	6350015461885	ALARM	RATED TO 250 PSI WATER WORKING PRESSURE, TAPPED 3/4" 7975 NPT ON THE INLET AND 1" NPT ON THE DRAIN OUTLET, PACKAGE INCLUDES: DRIVE SHAFT 16 3/4" LONG FOR WALLS 14" THICK OR LESS, 3/4" NPT STRAINER FOR INSTALLATION ON THE ALARM	2	605.33	2	07/12/06		MECHANICAL DEVICE ACTIVATED BY FLOW OF WATER, DESIGNED TO SOUND A CONTINUOUS ALARM WHILE A SPINKLER SYSTEM OPERATES. VIKING PART NUMBERS LISTED BELOW.
344.	6350015535047	MANUAL STATION	COLOR RED, RAISED WHITE LETTERING, 4 INCH LENGTH, 7456 5 1/2 INCH HEIGHT, 2 3/4 INCH DEPTH	1	73.00	1	09/09/94	08/02/07	FOR CONTROL PANEL MODELS MXL AND XL3. SINGLE ACTION, MOLDED POLYCARBONATE, MATTE FINISH. CERBERUS PYROTRONICS PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
345.	662500JSC5565	INDICATOR	OFF-WHITE, 2 3/4 INCH WIDTH, 4 1/2 INCH HEIGHT, LAMP 6456 ASSEMBLY, REMOTE ALARM	5	9.00	5	09/08/94		FOR CERBERUS PYROTRONICS INITIATING DEVICES CONCEALED OR EXPOSED TO VIEW. MOUNTS ON STANDARD SINGLE GANG SWITCH BOX. PLASTIC. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
346.	662500JSC5566	MODULE	LED INDICATOR PROVIDE VISUAL INDICATION OF BOTH BATTERY 7456 VOLTAGE AND CHARGER MODULES	1	59.00	1	09/09/94		FOR USE IN CONJUNCTION WITH BATTERY CHARGER MODULE MODELS BC-35, BE-35 AND IN SYSTEMS FITTED WITH EMERGENCY STANDBY POWER. CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.
347.	662500JSC5597	MODULE	REQUIRES 24 VOLTS DC OPERATING POWER 7667	1	845.00	1	03/28/96	07/02/07	MULTI-CIRCUIT CONTROL UNIT MODULE, MODEL UIO-12. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
348.	662500JSC5601	THERMISTER ASSEMBLY	7930	1	4,200.00	1	09/20/01	02/01/08	FOR RETRO-FIT PROTEC CLOUD CHAMBER. SAFE FIRE DETECTION PART NUMBER LISTED BELOW.
349.	6625013716329	ADAPTER	1200 & 9600 BAUD TRANSMISSION RATING, FOR SCOPEMETER 7591 WITH (XON/XOFF) SOFTWARE HANDSHAKE	1	164.04	1	08/16/96		OPTICALLY ISOLATED RS-232-C INTERFACE ADAPTER. DIGITAL HARD COPY OUTPUT: SCOPEMETER SUPPORTS EPSON FX80 SERIES AND THINKJET HARDWARE COMPATIBLE PRINTERS OR REMOTE CONTROL: SCOPE AND METER MEASUREMENTS, SETUPS, WAVEFORMS AND PERFORMANCE VE
350.	668000JSC5098	METER	AIR FLOW BALANCE 7895	1	1,100.00	1	04/20/00	10/06/04	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
351.	668000JSC5099	METER	MANIFOLD BALANCING 7896	1	385.00	1	04/20/00		FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC FIRE DETECTION PART NUMBER LISTED BELOW.
352.	668000JSC5100	SENSOR	FLOW 7894	2	202.06	2	04/20/00	10/06/04	FOR IFD CIRRUS AIR SAMPLING FIRE DETECTION SYSTEM. PROTEC PART NUMBER LISTED BELOW.
353.	668500JSC6004	SENSOR	USED WITH OR WITHOUT RANGE EXPANDER DU-284 7456	3	26.67	2	11/03/94		FOR AIRTECH 230 SYSTEM. ULTRASONIC INTRUSION DETECTION. WALL MOUNTING, BROWN. AIRTECH PART NUMBER LISTED BELOW.
354.	668500JSC6310	RESERVOIR	HUMIDIFIER 7703	1	230.45	1	05/29/96	07/31/96	FOR IFD II DETECTOR. ENVIRONMENT ONE PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
355.	6930011263849	MODULE	TIME INTERVAL 30 SECONDS TO 10 MINUTES, 45 MILLIAMPS 7456	1	145.32	1	09/09/94		TIME CONTROLLED INTERVAL 6 SECONDS TO 10 MINUTES, SIGNAL CIRCUIT ACTIVATES OR DEACTIVATES. LED INDICATOR, DELAYED SIGNAL CAPABILITY, PLACEMENT SUPERVISED, SOLID STATE LOGIC CIRCUITRY, UL LISTED. CERBERUS PYROTRONICS PART NUMBERS LISTED BELO
356.	701000JSC5045	CENTRAL PROCESSING UNIT	7950	1	9,513.75	1	09/10/03		FOR JSC CENTRAL MONITORING SYSTEM, EMERGENCY DISPATCH CENTER. COLOR GRAPHICS, STANDALONE, 2 PORT WOKSTATION INCLUDES: WINDOWS 2000 3.5 INCH

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
357.	702500JSC5457	PRINTER	SERIAL, REPAIRABLE 7456	1	765.00	1	07/29/94	10/09/02	FOR RECORDING LIFE SAFETY SYSTEM CHANGES OF STATE. PRINTERS CONTAIN DATE, TIME, EVENT TYPE, AND USER DEFINED MESSAGE FOR EACH EVENT. HIGH SPEED, 9 PIN, USES STANDARD CONTINUOUS TRACTOR FEED COMPUTER PAPER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LIS

CISS INSTALLATION ACCOUNTABLE GOVERNMENT PROPERTY - CRITICAL SPARES

	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
358.	702500JSC5458	PRINTER	PARALLEL, REPAIRABLE 7456	1	859.75	1	07/29/94	07/18/06	FOR RECORDING LIFE SAFETY SYSTEM CHANGES OF STATE. PRINTERS CONTAIN DATE, TIME, EVENT TYPE, AND USER DEFINED MESSAGE FOR EACH EVENT. HIGH SPEED, 9 PIN, USES STANDARD CONTINUOUS TRACTOR FEED COMPUTER PAPER. EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LIS
359.	702500JSC5468	MEMORY EXPANSION	7456	1	1,550.00	1	09/08/94		FOR CENTRAL PROCESSING MODULE MODEL CPX-1. PROGRAMMED BY AUTOMATIC CONFIGURATION GENERATOR/CUSTOM SOFTWARE GENERATOR CERBERUS PYROTRONICS PART NUMBER LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
360.	702500JSC5478	MONITOR	BLACK 7949	1	6,825.00	1	09/10/03	09/08/04	FOR JSC CENTRAL MONITORING SYSTEM EMERGENCY DISPATCH CENTER. USE WITH FIRE WORKS 2000 COLOR GRAPHICS WORKSTATION. 18.1 INCH LCD MONITOR WITH TOUCH SCREEN. UL864 LISTED. RACK MOUNTED. EDWARDS SYSTEMS TECHNOLOGY PART NUMBER LISTED BELOW.
361.	703000JSC5095	MICROCIRCUIT	FIRMWARE CHIP, 1 INCH LENGTH 7456	9	74.81	9	07/29/94	12/20/95	EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.

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	NSN	Generic Name	Tech Description	Qty	Price Avg.	Standby Reten-tion Level	Date Created	Date Issue	Index Description
362.	703000JSC5097	SUPPORT KIT	SUPPORT KIT, SOFTWARE INCLUDES: I-O-M MANUAL, 7458 D-500 PLUS PROGRAM KIT, FLOPPY DISK BACKUP KIT (ONE REQUIRED PER SYSTEM)	1	6,842.00	1	08/24/94		FOR D-500 PLUS RADIO ALARM, COMPUTER-AIDED DISPATCH INFORMATION AND MANAGEMENT REPORTS. MONACO PART NUMBER LISTED BELOW.
363.	703000JSC5101	MICROCIRCUIT	EPROM, 1 1/2 INCH LENGTH 7456	10	20.00	10	07/19/95		EDWARDS SYSTEMS TECHNOLOGY PART NUMBERS LISTED BELOW.
364.	7035014382108	LINE DRIVER	115 VOLTS, 1.8 INCH HIGH, 5.5 INCH WIDE, 8.5 INCH DEEP 7456	1	157.00	1	07/17/95	12/01/95	FOR LAN APPLICATIONS MODEL LD400MP. STAND-ALONE, ASYNCHRONOUS 19.2 KBPS SPEED. BLACK BOX PART NUMBER LISTED BELOW.
365.	7510012562284	RIBBON	BLACK, 1/2 INCH X 12 YARDS 7591	2	8.75	2	08/19/96	02/11/99	FOR FUJITSU PRINTER MODELS DX2100/2200 AND DMPG9. NUKOTE PART NUMBERS LISTED BELOW.

Attachment J-5

Bench Stock

REGULAR BENCH STOCK INVENTORY - BLDG - 226 RM - 133 PH# - 30653

Revised 4/03/2008

CABINET # 1 Supression — **BENCH STOCK ITEMS - BLDG. 226**

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
1	1-1-1	1/4" Pressure Gauge - 36psi	Marsh	79-861	1	1	1				1					
1	1-1-2	3/8" Needle Valve	Whitey	B-1R-S6	1	19	4				19					
1	1-1-3	120 V A/C-24 V DC solenoid	Skinner	Cardox 7-061-0006	1	4	1				4					
2	1-2-1	3/4" Pipe Plug	Henry Vogt	2580-3-4	1	1	1				1					
2	1-2-2	3/4" Swing Type Check Valve	Carson / Nibco	KT-403-W	1	5	1				5					
2	1-2-3	1/2" Spnng Type Check Valve 10,000 psi	Sunsource	2349R-4PP	1	12	3				12					
2	1-2-4	1/4" Spring Type Check Valve 10,000 psi	Sunsource	2349R-2PP	1	8	3				8					
3	1-3-1	1/2" Pipe Plug	Henry Vogt	2580-1-2	1	1	1				1					
3	1-3-2	1/2"-1/4" Pipe Reducer	GSA	MS14306-3V	1	24	4				24					
3	1-3-3	4" Model "F" Clapper Spring	Firematic	A-19 (310)	1	1	1				1					
3	1-3-4	1" Tee	Usa	4520K25	1	1	1				1					
4	1-4-1	1/4" Pipe Nipples 1-1/2" Long	SANSTORM	RC-21	1	2	1				1				1	
4	1-4-2	3/4" Valve Disc Assembly	Auto Sprinkler	8002602	1	3	1				3					
4	1-4-3	3/4 Inch Ball Drip Valve	Viking Supply	10732	1	4	1				4					
4	1-4-4	1 " Inspector Test Valve (Threaded)	ACT Pipe	68830448800	1	1	0				1					
4	1-4-5	1/4" x 1-1/2" Pipe Nipples	ACT Pipe	190140	1	9	2				9					
4	1-4-6	1/2" x 1 1/4" Inspector Test (Grooved)	ACT Pipe	68830448804	1	1	0				1					
5	1-5-1	Coupling, 1" Pipe Rigid	Home Depot	?	1	25	5				25					
5	1-5-2	3 1/2" x 1/4" Beam 300psi Gauge	Marsh	W0412	1	3	1				2				1	
5	1-5-3	Teflon Pipe Tape	Grainger	16035A	1	10	3				6				4	
5	1-5-4	Ansul Blow Off Caps	Wilson Fire	AN 77695	10	2pks	0				2pks					
5	1-5-5	3-1/2" x 1/4" 300 psi Air / Water Guage	ACT Pipe	223740	1	9	2				9					
6	1-6-1	Clapper Pin	Firematic	A19	1	3	1				3					
6	1-6-2	1/4" Pressure Gauge - 30psi	Marsh	J9042	1	2	1				2					
6	1-6-3	3/4" Hex Head Nipple - Female	Stockman	14-3	1	1	1				1					
6	1-6-4	K- Bottle Regulator - Inert Gas	Air Gas	Victor Brand-07810528	1	2	1				2					
6	1-6-5	K- Bottle Regulator - Breathable Air	Air Gas	Victor Brand-07810532	1	2	1				2					
7	1-7-1	1/4" Straight Adapter	Parker	4GBU-S	1	1	1				1					
7	1-7-2	6" O-ring Valve Clapper	Viking Supply	01236A	1	1	1				1					
7	1-7-3	3" Inner Retaining Disc	Star / Grinnell	A-324-34	1	2	1				2					
7	1-7-4	Pressure Gauge - 30psi	Ametek	146001	1	1	1				1					
7	1-7-5	Fire Scan Cards	Bldg. Reports	?	1	19	2				19					
7	1-7-6	Tyvek Tags & Ties	The Nerds .Net	12-445	1000	1BX	10				1bx					
7	1-7-7	Sprinkler Scan Cards	Bldg. Reports	?	1	25	2				25					
8	1-8-1	Coupling, 1/4" Pipe Rigid	Home Depot	4730-00-187-7610	1	1	1				1					
8	1-8-2	1" Pipe Plug	Henry Vogt	2580-1	1	1	1				1					
8	1-8-3	1/4"-5/8" Hose Clamps	Grainger	1A528	4	16	4				10				6	
8	1-8-4	NST Caps W/ Chain - For Siamese Connections	Wilson Fire	BRB250	1	25	5				10				15	
8	1-8-5	Plastic Adjust A Plug Break Caps	Wilson Fire	BRPAC	25	10	2				10				15	
9	1-9-1	1/4" Barbed to Female Pipe Thread (Brass)	Grainger	6X412	1	6	2				6					
9	1-9-2	1/4" Barbed to Male Pipe Thread (Brass)	Grainger	6X409	1	6	2				6					
9	1-9-3	1/4" Male Thread Quick Disconnect Coupler (S.S.)	Grainger	6CX03	1	6	2				6					
9	1-9-4	1/4" Female Thread Quick Disconnect Coupler (S.S.	Grainger	6CX02	1	6	2				3				3	
9	1-9-5	1/4" Barb Hose to Male Quick Disconnect	Grainger	4TL46	1	6	2				6					
9	1-9-6	1/4" Female Pipe to Male Quick Disconnect	Grainger	4TL44	1	7	2				7					
9	1-9-7	1/4" male Pipe to Male Quick Disconnect	Grainger	4TL45	1	6	2				4				2	
10	1-10-1	Vane Type Water Flow Alarm Switch w/ Retard	Potter	VSR-SF	1	5	1				5					
10	1-10-2	Outside Screw & Yoke Valve Supervisory Switch	Potter	OSYSU-1,2	1	5	1	3/20/08	2	32	5					
10	1-10-3	Control Valve Supervisory Switch	Potter	PCVS-1,2	1	5	1				5					

CABINET # 2 Supression BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage	Whitebird # and Amount Used
1	2-1-1	Gasket Model C Seat Dia, A/W 3" Dry	Central Sprinkler	3-16	1	1	1				0			1	
1	2-1-2	6" Model "B" Cover Gasket	Reliable	93706106	1	3	1				3				
1	2-1-3	3" Dry Pipe Valve Gasket	Star / Grinnell	A323-13	1	2	1				1			1	
2	2-2-1	4" Model "E" Cover Gasket	Reliable	R0328 (RASCO) 93706124 ME	1	2	1				2				
2	2-2-2	6" Model "C" Hand Hole Cover Gasket Deluge	Auto Sprinkler	76-641	1	2	1				2				
2	2-2-3	4" Model "A" wet pipe hand hole cover gasket	Grinnell	92-400-2-021	1	4	1				4				
3	2-3-1	4" Model "D5" Viking diaphragm	Viking Supply	02377B	1	2	1				2				
3	2-3-2	4" Model "E2"drypipe valve cover gasket	Grinnell	92-414-1-007	1	1	1				1				
3	2-3-3	4" Model 153 alarm valve hand hole cover gasket	Auto Sprinkler	8002045	1	2	1				2				
4	2-4-1	3" Clapper Gasket	Viking Supply	02348A	1	2	1				2				
4	2-4-2	3" Model "D5" Valve Diaphragm	Viking Supply	02429C	1	1	1				1				
4	2-4-3	Model "D" Cover Gasket	Auto Sprinkler	3000-4000	1	4	1				4				
5	2-5-1	2" Model "A-2" Dry Pipe Diaphragm	Grinnell	92-414-1-204	1	2	1				2				
5	2-5-2	6" Model 153 Alarm Valve Cover Gasket	Auto Sprinkler	8002030	1	1	1				1				
5	2-5-3	6" Valve Cover Gasket	Auto Sprinkler	92-400-1-053	1	1	1				1				
6	2-6-1	4" Model "E2" Dry Pipe Valve Cover Gasket	Grinnell	92-414-1-005	1	1	1				1				
6	2-6-2	4" Hand Hole Cover Gasket	Auto Sprinkler	92-404-1-008	1	1	1				1				
6	2-6-3	8" Valve Cover Gasket	Auto Sprinkler	92-400-1-067	1	1	1				1				
7	2-7-1	4" Model "C-1" Dry Pipe Cover Gasket	?	93706204	1	2	1				2				
7	2-7-2	3" Dry Pipe Valve Gasket	Star/Grinnell	A323-10	1	1	1				1				
8	2-8-1	4" & 6" Model "A-4" Deluge Diaphragm	Grinnell	92-404-1-031	1	8	2				8				
8	2-8-2	2" Model "A-2" Dry Pipe "O" Ring	Grinnell	92-414-1-215	1	2	1				1			1	
8	2-8-3	6" "O" Ring Model 153	Auto Sprinkler	1419197	1	1	1				1				
9	2-9-1	6" Clapper Valve Gasket	Viking	01232A	1	1	1				1				
9	2-9-2	4" Model "F" valve cover gasket	Firematic	A-51(304)	1	2	1				1			1	
9	2-9-3	4" "O" Ring	Auto Sprinkler	1002426	1	1	1				1				
10	2-10-1	3" Rubber Ring Gasket	FireMatic	A-6	1	1	1				1				
10	2-10-2	"O" Ring	Star	A-324-32	1	2	1				2				
10	2-10-3	4" Clapper "O" Ring for Model - 153	Auto Sprinkler	1002426	1	6	1				6				
11	2-11-1	6" Cover Gasket	?	321W02A050A	1	2	1				2				
11	2-11-2	8" Model "DA" Wet Pipe Gasket	Central Sprinkler	DA-8	1	1	1				1				
11	2-11-3	6" Model "A-4" Deluge Gasket Cover	Auto Sprinkler	92-404-1-033	1	1	1				1				
12	2-12-1	Model "C" Cover Gasket	Auto Sprinkler	79-642	1	1	1				1				
12	2-12-2	Gasket	Star / Grinnell	Star 557	1	1	1				1				
13	2-13-1	3/8 I.D. 5/8 O.D. Tubing 50'	Tygon	B-44-4-X	1bx	2bx	1bx				2bx				
13	2-13-2	2" Gate Valves	Carsons Supply, Inc. / Nibco	T-29	1	1	1				2				
13	2-13-3	3" Swing Type Check Valve	Carsons Supply, Inc. / Nibco		1	1	1				1				

CABINET # 3	IFD'S	BENCH STOCK ITEMS - BLDG. 226			# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
Shelf #	Item #	Description	MFG/SUPP	MFG Part Number												
1	3-1-1	IFD Coupling	Environment	T301-55	1	1	1				1					
1	3-1-2	Zone Manifold Filter	Protec	7-1-0558	10	12pk	10pk				12pk					
1	3-1-3	Zone Manifold Filter	Protec	FA0288	5	4pk	2pk				4pk					
2	3-2-1	Filter Assembly	Protec	FA0233G02	1	3	1				3					
2	3-2-2	Adapter 1/4"x1/4" Straight	Swagelok	B-400-1-4	1	1	1				1					
2	3-2-3	O-Ring UV Detector	Detector	107427-004	1	5pk	1pk				5pk					
3	3-3-1	Filter Screen	Protec	FA0003P02	5	10pk	1pk				4pk			6pk		
3	3-3-2	1/4"x1/4" Union Tubing	Swagelok	B-400-6	1	1	1				1					
3	3-3-3	Regulator - Inlet 400 PSI Max - Outlet 50 PSI max	Austin Integrated Systems	Norgren # 11-111-086	1	2	1				2					
4	3-4-1	Adapter 1/4"x1/4" Straight	Swagelok	B-400-7-4	1	1	1				1					
4	3-4-2	1/4" Brazing Ferule Tubing Fitting	Swagelok	B-404-1	1	1	1				1					
4	3-4-3	Cap Tap Plug	Protec	FA0157P13	1	10pk	2pk				10pk					
5	3-5-1	Brazing Ferule 1/4"	Swagelok	B-403-1	1	1	1				1					
5	3-5-2	Filter Screen	Protec	FA0003P01	5	4pk	2pk				4pk					
5	3-5-3	Retaining Rings	Protec	FA0157P01	1	10pk	2pk				10pk					
6	3-6-1	Battery Shelf	EST	3-BATS	1	1	1				1					
6	3-6-2	Antenna Bracket	Monaco	199-012-00	1	2	1				2					
6	3-6-3	1 Qt. Cubitainer / Container	LSS	88292	10	10	2				1			9		
6	3-6-4	Battery Mounting Bracket	Pyrotronics	BK-33	1	4	1				4					

CABINET # 4 TOOLS — BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans	Amt From Sp Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage	Whitebird # and Amount Used
1	4-1-1	3/16" Drill Bit	Home Depot	?	1	14	2				14				
1	4-1-2	Pan Head Screws - 1-1/4" 10-24	Mobile Fasteners	PMS010114	100	1bx	1bx				1bx				
1	4-1-3	Pan Head Screws - 1/2" 10-32	Mobile Fasteners	PMSF01012	100	1 bx	1bx				1bx				
1	4-1-4	Pan Head Screws - 1-1/4" 10-32	Mobile Fasteners	PMSF010114	100	1bx	1bx				1bx				
1	4-1-5	Screws - 10/32x2"	Mobile Fasteners	PMSF0102	100	1bx	1bx				1bx				
1	4-1-6	Screws - 8/32x1"	Mobile Fasteners	RMS81B	100	1bx	1bx				1bx				
2	4-2-1	Pan Head Screws - 1/2" 10-24	Mobile Fasteners	PMS01012	100	1bx	1bx				1bx				
2	4-2-2	Pan Head Screws - 2" 10-24	Mobile Fasteners	PMS0102	100	1bx	1bx				1bx				
2	4-2-3	Round Head Screws - 1-1/2" 8-32	Mobile Fasteners	RMS8112	100	1bx	1bx				1bx				
2	4-2-4	Self-Tapping Pan Head Screws - 1" #8	Mobile Fasteners	PTS8-1	100	1bx	1bx				1bx				
2	4-2-5	LG Leather Gloves	Grainger	5AC74	1	12	2				8			4	
2	4-2-6	XL Leather Gloves	Grainger	1AD52	1	12	2				8			4	
3	4-3-1	179 / EDA Fluke Multi-meter Kit	Grainger / Fluke	179/3EB32	1	1	1				1				
3	4-3-2	Fluke Multi-Meter Soft Case	Fluke	C-25	1	1	1				1				
3	4-3-3	Fluke Test Lead Set (Retractable Tip)	Grainger / Fluke	1ND97-TL40	1	1pk	1pk				0			1pk	
3	4-3-4	Premium Lead Set "Wave-Tek"	Angie Electronics	OLDAKER 767-6	1	1pk	1pk				0			1pk	
3	4-3-5	M Leather Gloves	Grainger	3AW80	1	12	2				10				
4	4-4-1	Fluke Test Lead Set (Hard Point Tip)	Grainger / Fluke	1T341-TL75	1	2	1				0			1	
4	4-4-2	15" Alligator Clip Test Leads	Calrad	90-767	1	5	1	3/20/08	1	32	5				
4	4-4-3	30" Alligator Clip Test Leads	Calrad	90-770	1	5	1				4			1	
4	4-4-4	Static Control Wrist Bands	Grainger	4KK39	1	6	2				6				
4	4-4-5	Clamp On Amp Probe	Grainger	1WKR2	1	2	1				2				
4	4-4-6	Fluke Combo Kit	Grainger	1 LW26	1	1	0				0			1	
5	4-5-1	Flashlight	Grainger / Rayovac	4YE76	1	10	2				2			8	
5	4-5-2	Maglite Lamps	Maglite	LM2A001	2	1	1				1				
5	4-5-3	16' Measuring Tape	Grainger	Stanley 6A497	1	3	1	3/20/08	1	32	3				
5	4-5-4	Electrical Tape	Grainger	2A225	1	10	2	3/20/08	4	32	10				
5	4-5-5	Filter Element	Gemini Scientific	Model 501B	1	1	0	3/20/08	1	32	1				
6	4-6-1	Crimping Tool	Grainger	5LL35	4	4	2				1			3	
6	4-6-2	Wire Stripper / Screw Cutter	Grainger / Klein	3PB81	1	10	1				0			10	
6	4-6-3	32-Piece Security Screwdriver and Bit Set	Craftsman / Sears	47486	1	3	1				0			3	
6	4-6-4	300 Series cam lock keys	A-Anykind Locks	NA	1	9	1				0			9	Do Not Order
6	4-6-5	14" Aluminu, Pipe Wrench	Grainger	6A651	1	2	1				2				
7	4-7-1	Pliers, Diagonal Cutting 5"	Grainger / Westward	5MZ01 / 1UKK9	1	6	1				2			4	
7	4-7-2	Pliers, Long Nose Insulated	Grainger/ Westward	3WY56	1	6	1	3/20/08	1	32	5			1	
7	4-7-3	440 Channellocks	Grainger	4CR41	1	4	1				4				
7	4-7-4	8" Crescent Wrench	Grainger / Crescent	Crescent - 6X315	1	1	1				1				
7	4-7-5	12" Crescent Wrench	Grainger / Crescent	Crescent - 6X317	1	1	1				1				
7	4-7-6	10in Aluminum Pipe Wrench	Grainger	6A650	1	2	1				2				
7	4-7-7	18" Aluminum Pipe Wrench	Grainger	4YR90A	1	2	1				2				
8	4-8-1	3" Screw Driver - Phillips	Grainger / Stanley 100 Plus / Klein	6C238 / 1JKZ4	1	6	1				2			4	
8	4-8-2	6" Screw Driver - 1/4" Rnd. Shank - Straight	Grainger / Klein	5LL58	1	6	1				5			1	
8	4-8-3	4" Screw Driver - 3/16" Sq. Shank - Straight	Grainger / Stanley 100 Plus	6C252	1	6	1				2			4	
8	4-8-4	5 IN 1 Screwdriver	Grainger / Klein	5LL45	1	5	1				2			3	
8	4-8-5	6" Screw Driver - 5/16" Sq. Shank - Straight	Grainger / Klein	4A846	1	6	1				6				
8	4-8-6	DeWalt 37 Pc. Disconnect Bits	Grainger	4WM46	1	2	1				2				
9	4-9-1	Nylon Wire Ties 6"	Grainger	6X752	100	2pk	1pk				2pk				
9	4-9-2	Nylon Wire Ties 4"	Grainger	6X750	100	2pk	1pk				2pk				
9	4-9-3	1/8"x3" Toggle Bolts	WEJ-IT	3YU39	50	3bx	1bx				3bx				
9	4-9-4	Duct Tape, Roll	Grainger	394	1	8	2	3/20/08	2	32	8				
9	4-9-5	Bungie Cord Tiedowns	Grainger	4ZY79	10	4	1				3			1	
9	4-9-6	Mini Ratchet Tie Down Strap	Lift-All / Grainger	6A265	1	4	1				4				

CABINET # 4 - Cont. TOOLS . BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Sp.Ord.	Amt From	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage	Whitebird # and Amount Used
10	4-10-1	Hepa-Vac Filter Bags	LSS	1950-4	5	3pk	1pk					3pk				
10	4-10-2	Tool Bag	Grainger / Klein	5190	1	1	1					1				
10	4-10-3	Lock Set 300 Series	Fort lock	LSCLS8KA300	1	50	10					0			50	
10	4-10-4	3M Foam Tape 3/4"	Grainger / 3M	6JT19	1	3	1					3				
10	4-10-5	Ansul Tool Cocking Lever	Ansul / Dooley Tackaberry	15618	1	3	1					3				
10	4-10-6	Tnpp Lite Power Supply	Grainger	5JK18	1	1	0					1				

CABINET # 5 PPE — BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
1	5-1-1	Half Mask Respirator Size - S	LSS	7210S	1	3	1				2			1		
1	5-1-2	Half Mask Respirator Size - M	LSS	7210M	1	4	1				4					
1	5-1-3	Half Mask Respirator Size - L	LSS	7210L	1	3	1				3					
1	5-1-4	Hard Hat	LSS	11560W	1	2	1				2					
2	5-2-1	(Danger Asbestos) Tape	SETON	TL7478	1	10	2				10					
2	5-2-2	(Caution Do Not Enter) Tape	LSS	14164-3	1	2	1				2					
2	5-2-3	Respirator Cartridge	North	41590	2	12pk	4pk				6			6		
2	5-2-4	O-Ring Kit for Hand Sprayer	Hudson	6997	8	1pk	1pk				1pk					
3	5-3-1	Respirator Cleaning Wipes	LSS	13461	100	2bx	1bx				2bx					
3	5-3-2	Latex Gloves - Small	LSS	105394S	100	2bx	1bx				2bx					
3	5-3-3	Latex Gloves - Large	LSS	105394L	100	3bx	1bx				3bx					
3	5-3-4	Dust Mask	LSS	130729	50	2bx	1bx				2bx					
3	5-3-5	Safety Goggles	LSS	S360 / 40516	1	6pk	1bx				6bx					
4	5-4-1	Eyewear Retainers	Lab Safety	67920BL	1	24	1				21			3		
4	5-4-2	Crews Hombre Safety Glasses	Lab Safety	124432BL	1	25	5				16			9		
4	5-4-3	Allsafe Nemesis Safety Glasses	Lab Safety	133177	1	24	5				3			21		
4	5-4-4	Safety Glasses	LSS	S030	1	4bx	1bx				4bx					
4	5-4-5	32 oz. All Purpose Spray Bottle	Grainger	3U593	1	3	1				3					
5	5-5-1	Danger Asbestos Floor Signs	LSS / Dupont	28960	1	2	0				1			1		
5	5-5-2	Tyvek Coveralls - Medium	LSS / Dupont	14738M	25	4bx	1bx				4bx					
5	5-5-3	Tyvek Coveralls - Large	LSS / Dupont	14738L	25	4bx	1bx				4bx					
5	5-5-4	Tyvek Coveralls - X-Large	LSS / Dupont	14738XL	25	4bx	1bx	3/20/08	1	32	3bx			1bx		

CABINET # 6 ELECTRICAL BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage	Whitebird # and Amount Used
1	6-1-1	Replacment Cable Striper Blades	Weld Muller	2109	2	2pk	2pk				2pk				
1	6-1-2	14 Pin Dip Plug Connector	3M	925120-14-R	1	5	1				5				
1	6-1-3	16 Pin Dip Plug Connector	3M	925120-16-R	1	5	1				5				
1	6-1-4	DB-25 Pin Female Connector	JAR	T25S	1	1	1				1				
1	6-1-5	Contact block - 1no/1c	Senasys	PWCM	1	4	1				4				
1	6-1-6	AGX Fuse - 2 amp	Buss	AGX2 2amp	5	1pk	1pk				1pk				
1	6-1-7	Cartridge fuse - 0.5 amp	Wave Tec	FP225	1	4	1				4				
1	6-1-8	Cartridge fuse - 15 amp	Buss	KTK-15	1	10	1				10				
1	6-1-9	Cartridge fuse - 20 amp	Buss	KTK-20	1	2	1				1			1	
1	6-1-10	AGC Fuse - 8 amp fast	Buss	AGC8A	5	1pk	1pk				1pk				
2	6-2-1	Cartridge fuse - 6 amp	Buss	AGC6	5	1pk	1pk				1pk				
2	6-2-2	Cartridge fuse - 1 amp	Buss	BBS1	1	5	1				5				
2	6-2-3	GDB Fuse - 2 amp	Buss	BX/5	5	1pk	1pk				1pk				
2	6-2-4	GDB Fuse - 630 ma	Buss	GDB630ma	5	1pk	1pk				1pk				
2	6-2-5	Lamp - #304	G.E	304	10	1bx	1bx				1bx				
2	6-2-6	Lamp - #1828	Chicago	1828	10	9bx	2bx				9bx				
2	6-2-7	Lamp - #84	Eiko	84	10	7pk	1pk				7pk				
2	6-2-8	Lamp Indicator	IDI	2330QD4	1	2	1				2				
2	6-2-9	AGC Fuse - 1 amp	Grainger	4X440	5	1pk	1pk				1pk				
2	6-2-10	Resistor - 5.6k ohm-	Angie Electronics/EPO	New Item Added	10	9pk	1pk				9pks				
3	6-3-1	Resistor - 6.8k ohm - 1/2 watt	Ohmite	0E6825	10	4pk	1pk				4pk				
3	6-3-2	Resistor - 52k ohm - 1/2 watt	Ohmite	0E4735	10	5pk	1pk				5pk				
3	6-3-3	Resistor - 16k ohm - 1/2 watt	Ohmite	0E1535	10	8pk	1pk				8pk				
3	6-3-4	Resistor - 3.9k ohm - 1/2 watt	EPO	CF 3.9K	10	10pk	1pk				0			10pk	
3	6-3-5	Resistor - 4.7k ohm - 1/2 watt	Ohmite	0E4725	10	11pk	1pk				11pk				
3	6-3-6	Resistor - 0.6k ohm - 1/4 watt	Mil Spec	RN60D6040F	10	10pk	1pk				10pk				
3	6-3-7	Resistor - 260 ohm - 1/4 watt	Mil Spec	RN60D2610F	10	10pk	1pk				10pk				
3	6-3-8	Diode - 1N4004	Motorola	1N4004	10	3pk	1pk				3pk				
3	6-3-9	DB-9 Connector - Outer Shell	JAR	TCH-09	1	1	1				1				
3	6-3-10	Resistor - 15k ohm - 1/2 watt	Angie Electronics/EPO	CF 1/2 15K	10	10pk	1pk				0			10pk	
3	6-3-11	Resistor - 47k ohm-	Angie Electronics/EPO	New Item Added	10	10pk	1pk				0			10pk	
4	6-4-1	Capacitor - 50uf - 50v	Sprague / EPO	50EK50	25	4pk	1pk				0			4pk	
4	6-4-2	Male 15-Amp - Electrical Cord End	Grainger	4A253	1	2	1				2				
4	6-4-3	Female 15-Amp - Electrical Cord End	Grainger	4A254	1	2	1				2				
4	6-4-4	#10 Crimp Ring lug Heavy Duty 10-12 Awg	Grainger / Thomas&Betts	3KG51	10	10pk	1pk				8pk			2pk	
4	6-4-5	Female Spade Disconnect Insulated 14-16 Awg	Grainger / Thomas&Betts	3KF09	100	2bx	1bx				1bx			1bx	
4	6-4-6	Female Spade Disconnect Insulated 22-18 Awg	Grainger / Thomas&Betts	3KG08	100	2bx	1bx				2bx				
4	6-4-7	Male Spade Disconnect Insulated 14-16 Awg	Grainger / Thomas&Betts	3KF08	50	4bx	1bx				4bx				
4	6-4-8	Fork Spade Crimp Connector 22-18 Awg	Grainger / Thomas&Betts	4X296	100	2bx	1bx				2bx				
4	6-4-9	Fork Spade Crimp Connector 12-10 Awg	Grainger / Thomas&Betts	5X528	50	2bx	1bx				2bx				
4	6-4-10	Butt Crimp Connector 22-18 Awg	Grainger / Thomas&Betts	4X312	100	2bx	1bx				1bx			1bx	
4	6-4-11	#10 Crimp Ring lug 14-18 Awg	Grainger / Thomas&Betts	3KG24	100	2bx	1bx				2bx				
4	6-4-12	Male Spade Disconnect Insulated 22-18 Awg	Grainger / Thomas&Betts	3KF18	50	4bx	1bx				4bx				

CABINET # 6 - Cont. ELECTRICAL . BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage	Whitebird # and Amount Used
5	6-5-1	Wire Labels - # 1	Panduit	PCL062-1	5	1pk	1pk				1pk				
5	6-5-2	Wire Labels - # 2	Panduit	PCL062-2	5	1pk	1pk				1pk				
5	6-5-3	Wire Labels - # 3	Panduit	PCL062-3	5	1pk	1pk				1pk				
5	6-5-4	Wire Labels - # 4	Panduit	PCL062-4	5	1pk	1pk				1pk				
5	6-5-5	Wire Markers - Small Alpha # A-Z	Mc-Master-Carr	24795T74	25	1pk	1pk				1pk				
5	6-5-6	Wire Markers - Small # 1-33	Mc-Master-Carr	24795T41	25	1pk	1pk				1pk				
5	6-5-7	Wire Markers - Small # 34-66	Mc-Master-Carr	24795T52	25	1pk	1pk				1pk				
5	6-5-8	Wire Markers - Small # 67-99	Mc-Master-Carr	24795T63	25	5pk	1pk				5pk				
6	6-6-1	Wire Nuts - Medium (Yellow)	Grainger / Ideal	6YH58	100	3bx	1bx	3/20/08	1	32	2bx			1bx	
6	6-6-2	Wire Nuts - Large (Red)	Grainger / Ideal	6YH59	100	3bx	1bx				3bx				
6	6-6-3	Wire Nuts - Small (Blue)	Grainger / Ideal	6YH35	100	3bx	1bx				1bx			2bx	
6	6-6-4	Wire Nuts - Small (Grey)	Grainger / Ideal	6YH34	100	3bx	1bx				3bx				
6	6-6-5	Porta -Pack Wire Markers	Grainger	3TP20	1	2pk	1pk				2pk				
7	6-7-1	4"x4"x2 1/2 deep - 4 11/16 Square Box	RACO	5AD52A	N/A	20	5				20				
7	6-7-2	4" Square Single Device Covers	RACO	5AD54A	N/A	20	5				20				
7	6-7-3	3/4" Electrical Groundind Clamps	Direct Burial	661-001-00	1	18	2				18				
8	6-8-1	Tyvek Coveralls - 2 X-Large	LSS / Dupont	14738XXL	25	4bx	1bx				1bx			3bx	

CABINET # 7 FIRE ALARM PARTS BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
1	7-1-1	Jumper Harness System 3	Pyrotronics	JA24	1	4	1				4					
1	7-1-2	Jumper Harness System 3	Pyrotronics	JA48	1	1	1				1					
1	7-1-3	Jumper Harness	Pyrotronics	JP-D	1	4	1				4					
1	7-1-4	Jumper Harness System 3	Pyrotronics	JP-PS	1	3	1				3					
1	7-1-5	Jumper Harness System 3	Pyrotronics	JS64	1	5	1				5					
1	7-1-6	Jumper Harness	Pyrotronics	PS72	1	10	2				10					
2	7-2-2	Jumper Harness	Simplex	733-502C	2	1	1				1					
2	7-2-3	Jumper Harness	Simplex	733-503	2	2	1				2					
2	7-2-4	Jumper Harness	Simplex	733-595	2	2	1				2					
2	7-2-5	Jumper Harness	Simplex	733-543	2	2	1				2					
2	7-2-6	Jumper Ribbon	Simplex	733-498	4	4	1				4					
3	7-3-1	Optical Window Cleaner	Det Tronics	001680-001	1	19	4				19					
3	7-3-2	Fire Alarm Relay	Wilson	MR-201	1	2	1				2					
4	7-4-1	Backing Box	Fire Lite Alarm		1	3	1				3					
4	7-4-2	Backing Box	Pyrotronics	WBB	1	11	2				11					
4	7-4-3	Weather Proof Back Box	Convergint Tech.	449	1	6	1				6					
4	7-4-4	Weather Proof Back Box	Convergint Tech.	349	1	5	1				5					
5	7-5-1	Fire Bell 24 Vdc -Red	Convergint Tech.	439D-6AW-R	1	5	1				5					

CABINET # 8		BAGS, RAGS & PLASTIC		BENCH STOCK ITEMS - BLDG. 226												
Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
1	8-1-1	Box - Cloth Sheet Wipes - (Oil Rags)	Grainger	3U586	NA	2bx	1bx				2bx			1bx		
2	8-2-1	Box - Plastic Sheeting	LSS	5505	NA	4bx	1bx				3bx			1bx		
2	8-2-2	5-Mil - Plastic Asbestos Disposal Bags	LSS	17439C	NA	4bx	1bx				3bx			1bx		

SPECIAL ORDER INVENTORY - BLDG. 226 RM. 133 PH.# 30653

Revised 4/02/2008

CABINET # 9 (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	Transfered.	Date	Amt.Trans. to Reg Inv.	Trans. By WB #	# In Pkg.	Stock Level.	Inv. Count.	Shortage	Usage		Amount Transferred to Regular Inv. and Whitebird #
1	8-1-1	Box - Cloth Sheet Wipes - (Oil Rags)	Grainger	3U586						1		5			
2	8-2-1	Box-Plastic Sheeting	LSS	5505						1		0			
2	8-2-2	5-Mil - Plastic Asbestos Disposal Bags	LSS	17439C						1		0			

CABINET # 11 (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	Transfered.	Date	Amt.Trans. to Reg Inv.	Trans. By WB #	# In Pkg.	Stock Level.	Inv. Count.	Shortage	Usage		Amount Transferred to Regular Inv. and Whitebird #
1	5-3-2	Latex Gloves - Small	LSS	105394S						100		3bx			
1	5-1-2	Half Mask Respirator Size - M	LSS	7210M						1		0			
1	5-1-3	Half Mask Respirator Size - L	LSS	7210L						1		0			
1	5-1-4	Hard Hat	LSS	11560W						1		0			
1	5-3-1	Respirator Cleaning Wipes	LSS	13461						100		1bx			
1	5-2-3	Respirator Cartridges	LSS	41590						2		8pk			
2	8-2-1	Box - Plastic Sheeting	LSS	5505						1		0			
2	4-10-1	Hepa-Vac Filter Bags	LSS	1950-4						5		2pk			
2	5-5-2	Tyvek Coveralls - Medium	LSS / Dupont	14738M						25		0			
2	5-5-3	Tyvek Coveralls - Large	LSS / Dupont	14738L						25		2bx			
2	5-5-4	Tyvek Coveralls - X-Large	LSS / Dupont	14738XL						25		0			
2	11-3-1	Extension Pole	Solo							1		1			
2	11-3-2	Monoco Antenna	Critical Spare Item							1		2			
3	6-8-1	Tyvek Coverall-XXL	LSS/DUPONT	14738XXL						25		0			

CABINET # 13 (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	Transfered.	Date	Amt.Trans. to Reg Inv.	Trans. By WB #	# In Pkg.	Stock Level	Inv. Count	Shortage	Usage	Amount Transferred to Regular Inv. and Whitebird #
1	1-9-6	1/4" Female Pipe to Male Quick Disconnect	Grainger	4TL44					1		4			
1	1-9-5	1/4" Barb Hose to Male Quick Disconnect	Grainger	4TL46					1		2			
1	2-13-2	2" Gate Valves							1		4			
1	1-10-1	Vane Type Water Flow Alarm Switch w/ Retard	Potter	VSR-SF					1		5			
1	1-10-3	Control Valve Supervisory Switch	Potter	PCVS-1,2					1		3			
2	1-9-3	1/4" Male Thread Quick Disconnect Coupler (S.S.)	Grainger	6CX03					1		0			
2	1-9-2	1/4" Barbed to Male Pipe Thread (Brass)	Grainger	6X409					1		12			
2	1-2-2	3/4" Swing Type Check Valve	Carson / Nibco	KT-403-W					1		2			
2	3-3-3	Regulator In / 400 psi - Max Out / 50 psi - 1/4" Pipe	Norgren / Austin Intergrated	11-111-086					1		1			
2	1-4-3	3/4 Inch Ball Drip Valve	Viking Supply	10732					1		10			
2	1-10-2	Outside Screw & Yoke Valve Supervisory Switch	Potter	OSYSU-1,2					1		2			
3	1-9-1	1/4" Barbed to Female Pipe Thread (Brass)	Grainger	6X412					1		11			
3	1-5-3	Teflon Pipe Tape	Grainger	16035A					8		9			
3	6-5-1	Wire Labels - # 1	Panduit	PCL062-1					2		2			
3	6-5-2	Wire Labels - # 2	Panduit	PCL062-2					2		2			
3	6-5-3	Wire Labels - # 3	Panduit	PCL062-3					2		2			
3	6-5-4	Wire Labels - # 4	Panduit	PCL062-4					2		2			
3	6-5-5	Wire Markers - Small Alpha # A-Z	Mc-Master-Carr	24795T74					2		2			
3	6-5-6	Wire Markers - Small # 1-33	Mc-Master-Carr	24795T41					2		2			
4	6-5-7	Wire Markers - Small # 34-66	Mc-Master-Carr	24795T52					1		1			
4	6-5-8	Wire Markers - Small # 67-99	Mc-Master-Carr	24795T63					1		1			
4	6-4-9	Fork Crimp Connector 12-10 Awg	Grainger	6E23A					50		4			
4	6-4-11	#10 Crimp Ring Lug 14-18 Awg	Grainger	3KG24					100		2			
4	6-4-6	Female Spade Crimp Disconnect 14-16 Awg	Grainger	3KG08					100		2			
4	6-4-7	Male Spade Crimp Disconnect 22-18 Awg	Grainger	3KF08					50		1			
4	6-4-8	Fork Crimp Connector 22-18 Awg	Grainger	4X296					100		2			
4	6-4-5	Female Spade Crimp Disconnect 14-16 Awg	Grainger	3KF09					100		3			
4	6-4-10	Butt Crimp Connectors 22-18 Awg	Grainger	4X312					100		1			
4	6-4-12	Male Spade Crimp Disconnect 22-18 Awg	Grainger	3KF18					50		2			
5	4-9-3	1/8"x3" Toggle Bolts	WEJ-IT	3YU39					50		0			
5	6-6-1	Medium Wire Nuts (Yellow)	Grainger / Ideal	6YH58					100		0			
5	6-6-3	Small Wire Nuts (Blue)	Grainger / Ideal	6YH35					100		1			
5	6-6-4	Small Wire Nuts (Grey)	Grainger / Ideal	6YH34					100		1			
5	6-6-2	Large Wire Nuts (Red)	Grainger / Ideal	6YH59					100		3			
6	4-1-3	Pan Head Screws - 1/2" 10-32	Mobile Fasteners	PMSF01012					200		1bx			
6	4-1-4	Pan Head Screws - 1-1/4" 10-32	Mobile Fasteners	PMSF010114					100		2bx			
6	4-2-3	Round Head Screws - 1-1/2" 8-32	Mobile Fasteners	RMS8112					100		2bx			
6	4-2-1	Pan Head Screws - 1/2" 10-24	Mobile Fasteners	PMS01012					100		2bx			
6	4-1-6	Screws - 8/32 x 1"	Mobile Fasteners	RMS81B					100		2bx			
6	4-1-2	Pan Head Screws - 1-1/4" 10-24	Mobile Fasteners	PMS010114					100		2bx			
6	4-1-5	Screws - 10/32 x 2"	Mobile Fasteners	PMSF0102					100		2bx			
6	4-2-2	Pan Head Screws - 2" 10-24	Mobile Fasteners	PMS0102					100		2bx			

CABINET # 13 Cont. (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part Number	Transferred. Date	Amt.Trans. to Reg Inv.	Trans. By WB #	# In Pkg.	Stock Level	Inv. Count	Shortage	Usage	Amount Transferred to Regular Inv. and Whitebird #
7	4-4-2	15" Alligator Clip Test Leads	Calrad	90-767					1	1			
7	4-4-3	30" Alligator Clip Test Leads	Calrad	90-770					1	4			
7	6-4-2	Male 15-Amp - Electrical Cord End	Grainger	4A253					1	4			
7	5-5-1	(Danger Asbestos) Sign	Grainger	28960					1	0			
7	6-4-3	Female 15-Amp - Electrical Cord End	Grainger	4A254					1	4			
8	6-4-1	Capacitor - 50uf - 50v	Sprague / EPO	50EK50					25	0			
8	1-1-1	1/4" Pressure Gauge - 30psi	Marsh	J9042					1	3			
8	4-10-3	300 Series Lock Set	Fort Lock	LSCLS8KA300					1	0			
8	13-8-4	Rechargeable Battery Baton	Solo (Critical Spare Item)	Solo 720					1	2			
8	13-8-5	Battery Charger	Solo	Solo 720					1	1			
9	5-5-1	(Danger Asbestos) Tape	SETON	TL7478					1	10			
9	5-5-2	(Caution Do Not Enter) Tape	LSS	14164-3					1	13			
9	13-9-3	(Bio Hazard) Tape	?	?					1	10			
9	13-8-6	Solo Pole Bag	SDI	Solo 602					1	3			

CABINET # 14 (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #		MFG/SUPP	MFG Part Number	Transfered.	Date	Amt Trans. to Reg Inv.	Trans. By WB #	# In Pkg	Stock Level	Inv. Count	Shortage	Usage	Amount Transferred to Regular Inv. and Whitebird #
1	4-7-6	10in Aluminum Pipe Wrench	Grainger	6A650					1		5			
1	4-8-4	5-In-1 Screw Driver	Grainger/Klien	5LL45					1		0			
1	4-8-5	6" Screw Driver - 5/16 Sq. Shank - Straight	Grainger / Klein	4A846					1		7			
1	4-7-2	Pliers, Long Nose Insulated	Grainger/ Westward	3WY56					1		1			
1	1-2-3	1/2" Spring Type Check Valve 10,000 psi	Sunsource	2349R-4PP					1		6			
1	1-2-4	1/4" Spring Type Check Valve 10,000 psi	Sunsource	2349R-2PP					1		10			
2	4-5-5	Filter Element	Gemini Scientific	Model 501B					1		0			
2	4-6-5	14" Aluminu, Pipe Wrench	Grainger	6A651					1		1			
2	4-8-2	6" Screw Driver - 1/4" Rnd. Shank - Straight	Grainger / Klein	5LL58					1		0			
2	4-7-3	440 Channellocks	Grainger / Channel Lock	4CR41					1		2			
2	4-7-7	18" Aluminum Pipe Wrench	Grainger	4YR90A					1		2			
3	4-7-5	12" Crescent Wrench	Grainger / Cresent	Crescent -6X317					1		6			
3	4-7-4	8" Crescent Wrench	Grainger / Cresent	Crescent -6X315					1		4			
3	4-5-3	16' Measuring Tape	Grainger	Stanley 6A497					1		2			
4	4-4-1	Fluke Test Lead Set (Hard Point Tip)	Grainger / Fluke	1T341-TL75					1		1			
4	4-3-3	Fluke Test Lead Set (Retractable Tip)	Grainger / Fluke	1ND97-TL40					1		1			
4	4-6-3	32 Piece Security Screwdriver & Bit Set	Craftsman / Sears	47486					1		0			
4	5-4-5	32 oz. All Purpose Spray Bottles	Grainger	3U593					1		0			
5	4-9-1	Nylon Wire Ties 6"	Grainger	6X752					100		8			
5	4-9-2	Nylon Wire Ties 4"	Grainger	6X750					100		6			
5	1-6-4	K- Bottle Regulator - Inert Gas	Air Gas	Victor Brand-07810528					1		2			
5	1-6-5	K- Bottle Regulator - Breathable Air	Air Gas	Victor Brand-07810532					1		2			
6	4-4-4	Static Control Wrist Bands	Grainger	4KK39					1		4			
6	4-4-5	Clamp On Amp Probe	Grainger	1WKR2					1		1			
6	4-4-6	Fluke Combo Kit	Grainger	1 LW26					1		0			
6	4-8-6	DeWalt 37 Pc. Disconnect Bits	Grainger	4WM46					1		0			
7	4-9-4	Duct Tape, Roll	Grainger	394					1		3			
7	1-5-5	3 1/2" x 1/4 " 300 psi Air / Water Guage	Act Pipe	223740					1		19			
8	4-10-4	3M Foam Tape 3/4"	Grainger	6JT19					1		2			
8	4-5-4	Electrical Tape	Grainger	2A225					1		3			
9	4-3-1	179 / EDA Fluke Multi-meter Kit	Grainger / Fluke	179/3EB32					1		1			

CABINET # 20 (SPECIAL ORDER) - BENCH STOCK ITEMS - BLDG. 226

Shelf #	Item #		MFG/SUPP	MFG Part Number	Transfered. Date	Inv. Amt.Trans. to Reg	Trans. By WB #	# In Pkg.	Stock Level	Inv. Count.	Shortage	Usage	Amount Transferred to Regular Inv. and Whitebird #
1	20-1-1	(Line Wrenches) - Flare Nut Wrench Set	Grainger	1AKT8						3			
2													
3													
4													
5													
6													
7													
8	20-8-2	Tool Kits	Time Motion Tools	TMT-12BK					1	0		1	
8	20-8-1	DeWalt Battery Powered Drills	Grainger	DC902KA					1	2			

BATTERY INVENTORY - BLDG - 420 RM - 117

Revised 4/02/2008

BATTERIES B420

Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg	Stock Level	Minimum	Date Trans.	Sp.Ord.	Amt From	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage			Whitebird # and Amount Used
1007	Battery 6v - 12ah	Universal	UB 6120	1	10	2					0						
1000	Battery 12V - 1.3ah	UNIVERSAL	UB 1213	1	6	2					6						
1006	Battery 12V - 2.2ah / 12V - 2ah	POWER SONIC / UNIVERSAL	PS 1220 / UB 1222	1	6	2					6						
1001	Battery 12V - 8ah	POWER PATROL	SEC 1075 / UB1280	1	20	4	3/19		3	32	17						
1004	Battery 12V - 12ah	Universal	UB12120	1	20	4					20						
1002	Battery 12V - 18ah	UNIVERSAL/ Power Patrol	UB 12180 /PP12180/PS12180	1	30	4	3/19		8	32	22						
1003	Battery 12V - 26ah	POWER PATROL / UNIVERSAL	SLA1146 / UB 12260	1	10	2					10						
1005	Battery 12v - 75ah	POWER SONIC	PS 12750U	1	6	2					8						

BATTERY INVENTORY - BLDG - 25 BATTERY CABINET IN CAGE

Revised 4/02/2008

BATTERIES BLDG 25 - BATTERY CABINET IN CAGE

Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	Stock Level	Minimum	Date Trans.	Amt From Inv.	Trans. By WB #	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
1007	Battery 6v - 12ah	Universal	UB 6120	1	8	2				0					
1000	Battery 12V - 1.3ah	UNIVERSAL	UB 1213	1	2	2				2					
1006	Battery 12V - 2.2ah / 12V - 2ah	POWER SONIC / UNIVERSAL	PS 1220 / UB 1222	1	8	2				8					
1001	Battery 12V - 8ah	POWER PATROL	SEC 1075	1	10	4	3/19	3	32	10					
1004	Battery 12V - 12ah	Universal	UB12120	1	6	4				6					
1002	Battery 12V - 18ah	UNIVERSAL	UB 12180	1	20	4	3/19	8	32	20					
1003	Battery 12V - 26ah	POWER PATROL / UNIVERSAL	SLA1146 / UB 12260	1	14	2				14					
1005	Battery 12v - 75ah	POWER SONIC	PS 12750U	1	2	2				2					

BATTERY - (SPECIAL ORDER) INVENTORY - BLDG - 420 RM - 117

Revised 4/02/2008

SPECIAL ORDER INVENTORY - BATTERIES B420

Item #	Description	MFG/SUPP	MFG Part Number	# In Pkg.	On Hand	Transfered. Date	Amt.Trans. to Reg.Inv.	Trans. By WB #	Inv. Count	Shortage	Usage		Amount Transferred to Regular Inv. and Whitebird #
1007	Battery 6v - 12ah	Universal	UB 6120	1	4				0				
1000	Battery 12V - 1.3ah	UNIVERSAL	UB 1213	1	2				1				
1001	Battery 12V - 8ah	POWER PATROL	SEC 1075	1	0				0				
1004	Battery 12V - 10ah / 12V - 12ah	Yuasa / Universal	NP 10-6 / UB 6120	1	0				19				
1002	Battery 12V - 18ah	UNIVERSAL	UB 12180	1	0				15				
1003	Battery 12V - 26ah	POWER PATROL / UNIVERSAL	SLA1146 / UB 12260	1	4				14				

CRITICAL SPARES INV. - BLDG - 226 RM - 133 PH.# 30653

Revised 3/27/2008

CABINET # 12 EST, SIEMENS, NOTIFIER - INVENTORY CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transferred.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Amount Transferred to Regular Inv. and Whitebird #
1	12-1-1	BC35	Pyro / Siemens	BC35					1	1				
1	12-1-2	ZU35TS	Pyro / Siemens	ZU35TS					1	2				
1	12-1-3	SM30	Pyro / Siemens	SM30					1	1				
1	12-1-4	SR32	Pyro / Siemens	SR32					1	1				
1	12-1-5	SR35	Pyro / Siemens	SR35					1	2				
1	12-1-6	CRM4	Notifier	CRM4					1	1				
2	12-2-1	NGB12LOB	Notifier	NGB12LOB					1	2				
2	12-2-2	Pull Box	Notifier	BNG1					1	4				
2	12-2-3	Pull Box	Notifier	BNG1R					1	10				
2	12-2-4	Pull Box	Pyro / Siemens	MSI10B					1	2				
2	12-2-5	Pull Box	Fire Lite	BG-12					1	2				
2	12-2-6	Manual Release Station	Convergint Tech.	278A-REL					1	2				
3	12-3-1	Control Module	EST	M500SF					1	2				
3	12-3-2	Monitor Module	EST	M500MFB					1	2				
3	12-3-3	Fault ISO. Module	EST	M500XF					1	1				
3	12-3-4	Relay Module	Notifier	FRM-1					1	2				
3	12-3-5	Fault ISO. Module	Notifier	ISO-X					1	2				
3	12-3-6	Multi CD Temporal Horn Strobe	Convergint Tech.	G1F-HDVM					1	10				
3	12-3-7	Remote Alarm LED	Convergint Tech.	SIGA-LED					1	10				
3	12-3-8	Fixed Rate Of Rise Heat Detector	Convergint Tech.	SIGA -HRS					1	2				
4	12-4-1	Dual Input Module	EST	SIGA MCC2					1	2				
4	12-4-2	Monitor Module	EST	M501MF					1	2				
4	12-4-3	End Of Line Relay-Polorized	Convergint Tech.	RELA-EOL					1	4				
4	12-4-4	Standard Output Multimode fiber Optic Transciever	Convergint Tech.	MMXVR					1	2				
4	12-4-5	Detector Base	System Sensor	B401B					1	0				
5	12-5-1	Heat Detector Head	Simplex	40989613					1	4				
5	12-5-2	Detector Base/ 2 Wire w/Led	Simplex	677104					1	4				
5	12-5-3	Standard Detector Base	Convergint Tech.	SIGA-SB					1	10				
5	12-5-4	Multi Voltage Relay	Convergint Tech.	PAM-1					1	31				
5	12-5-5	Detector Base	Pyro / Siemens	DB3S					1	6				
5	12-5-6	Detector Base	Convergint Tech.	SIGA-SB4					1	10				
6	12-6-1	Smoke Detector Head	Pyro / Siemens	DI-3					1	9				
6	12-6-2	Smoke Detector Head	Pyro / Siemens	DI-B3					1	2				
6	12-6-3	Smoke Detector Head	Pyro / Siemens	DI-A3					1	2				
6	12-6-4	Smoke Detector Head	Wilson Fire	1251FB					1	2				
6	12-6-5	Smoke Detector Base for 12-6-4	Wilson Fire	B210LPF					1	0				
7	12-7-1	Base Flange / Retrofit flange for B401 Base	Convergint Tech.	F110					1	50				
7	12-7-2	Detector Base	Convergint Tech.	B210LPF					1	25				
8	12-8-1	Heat Detector Head	Edwards	281B-PL					1	115				

CABINET # 15 MONACO & IFD - INVENTORY CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	15-1-1	BT2-4 Radio Interrupt	Monoco	225-909-00					1	1				
1	15-1-2	PBX CARD BT-XZ MTHBD.2CD	Monoco	176-212-00					1	15				
1	15-1-3	PBX BT-XF ZONE CARD	Monoco	176-206-00					1	14				
2	15-2-1	SPRT D-700E KIT	Monoco	207-802-00					1	1				
2	15-2-2	NARROW BAND RADIO	Monoco	227-450-01					1	1				
2	15-2-3	SOFTWARE 3 1/2 " DISKS	Monoco	207-038-00					1	0				
2	15-2-4	WIRE WAY JUNCTION BOX	Monoco	081-076-01					1	2				
3	15-3-1	LIGHTNING ARRESTER	Monoco	198-006-00					1	2				
3	15-3-2	ANT. WALL MOUNT	Monoco	199-011-00					1	2				
3	15-3-3	COAX CABLE KIT	Monoco	626-000-02					1	2				
3	15-3-4	COAX CABLE KIT	Monoco	625-100-01					1	2				
4	15-4-1	WATER MONITOR PCB	SAFE FIRE DETECTION / IFD'S	4084658					1	1				
4	15-4-2	SAFE ZONE PCB	SAFE FIRE DETECTION / IFD'S	4084355					1	1				
4	15-4-3	SAFE PHOTO CELL ASSY.	SAFE FIRE DETECTION / IFD'S	6198207					1	2				
4	15-4-4	4-ZONE DISPLAY PCB	SAFE FIRE DETECTION / IFD'S	40841530					1	1				
4	15-4-6	SAFE 3' SECTION TUBING (PLASTIC)	SAFE FIRE DETECTION / IFD'S	FA0157P04					1	2				
4	15-4-7	ZONE MANIFOLD RETAINING	SAFE FIRE DETECTION / IFD'S	FA0313P01					1	12				
4	15-4-8	HUMIDIFIER WICK	SAFE FIRE DETECTION / IFD'S	3701146					1	2				
4	15-4-9	WATER FILL SOLENOID	SAFE FIRE DETECTION / IFD'S	FA0157P01					1	0				
4	15-4-10	SAFE FIRE DET. MINI SPRINKLER FAN	SAFE FIRE DETECTION / IFD'S	FB0126G01					1	0				
4	15-4-11	VACUUM AIR PUMP	SAFE FIRE DETECTION / IFD'S	6198205					1	2				
4	15-4-12	CLOUD CHAMBER ASSEMBLY	SAFE FIRE DETECTION / IFD'S	6198200					1	0				
4	15-4-13	CLOUD CHAMBER Flow Meter	Detection & Measurement	FA0264G01					1	1				
4	15-4-14	Service Tool Update Kit	Convergint Tech.	SIGA-ST					1	2				
5	15-5-1	BX-XF PANEL	Monoco	227-600-01					1	2				

CABINET # 16 EST / PYROTRONICS & POTTER INVENTORY CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	16-1-1	Weather Proof Back Box	Convergint Tech.	349					1	5				
1	16-1-3	Detector	D&M Systems,Inc.	SIGA - IS					1	4				
1	16-1-4	Detector	D&M Systems,Inc.	SIGA -HRS					1	6				
1	16-1-5	Class B Card 8x8	Wilson Fire	ZB8-8					1	2				
1	16-1-6	Class B Card 8x5	Wilson Fire	ZB8-5					1	1				
1	16-1-7	12 vdc 6" Bell	Wilson Fire	WLMB-G6-12R					1	1				
1	16-1-8	24 vdc 10" Bell	Wilson Fire	WLMBG 1024R					1	2				
2	16-2-1	Relay Module	Wilson Fire	ZR8					1	1				
2	16-2-2	Communication Card	Wilson Fire	COM-3					1	6				
2	16-2-3	485 Data Card 4 Wire	Wilson Fire	FCOM-485D					1	2				
2	16-2-4	232 Data Card	Wilson Fire	FCOM-232					1	1				
2	16-2-5	Control Assembly	Wilson Fire	CPU-3/1					1	1				
2	16-2-6	8 Channel Data Line	Wilson Fire	MUX-8					1	1				
3	16-3-1	Zas Card For IRC-3	Wilson Fire	ZAS-2					1	1				
3	16-3-2	Class B Zone Card	Wilson Fire	ZB8-2					1	2				
3	16-3-3	Display	Wilson Fire	CM1N-RM					1	1				
3	16-3-4	Relay Card	Wilson Fire	ZBO-8					1	1				
3	16-3-5	Off Premise Module	Wilson Fire	3OPS					1	2				
3	16-3-6	LED Support Module	Wilson Fire	3LDSM					1	6				
3	16-3-8	Communication Card	Wilson Fire	3RS485A					1	1				
3	16-3-9	Isolator RS232 Module	Wilson Fire	IOP3A					1	1				
4	16-4-1	Initiating Device Module	Wilson Fire	3IDC 8/4					1	1			1	
4	16-4-2	Analog Addressable Controller	Wilson Fire	3-AADC1					1	8				
4	16-4-5	Net Switch E-156-MM		NETSW-E156-MM					1	3				
5	16-5-2	Pyro System 3 Control Module	Wilson Fire	PYCP-35					1	0				
5	16-5-3	Power Supply	Wilson Fire	PYPS35					1	2				
5	16-5-4	Netcom - IS	Wilson Fire	001001E01-01					1	0				
6	16-6-1	Potter 2" Switch	ACT Pipe/ Wilson Fire	WFD20					1	3				
6	16-6-2	2-1/2 " Potter Switch	ACT Pipe/ Wilson Fire	WFD25					1	3				
6	16-6-3	Potter Water Flow Switch	ACT Pipe/ Wilson Fire	WFD40					1	3				
6	16-6-4	Potter Water Flow Switch	ACT Pipe/ Wilson Fire	WFD60					1	3				
6	16-6-5	Supervisory Switch For Gate Valve	ACT Pipe/ Wilson Fire	NTOSY2					1	1				
6	16-6-6	8" Potter Water Flow Switch	ACT Pipe	30155					1	1				
6	16-6-7	3" Potter Water Flow Switch	ACT Pipe	30141					1	1				

CABINET # 17 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	17-1-1	Rate Of Rise Detector	Convergint Tech.	5451					1	46				
1	17-1-2	Single SPDT w/LED	Convergint Tech.	SSU-MR-201/C/R					1	20				
1	17-1-3	Manula Abort Station	Convergint Tech.	RELA-ABT					1	2				
1	17-1-4	Service Disconnect Switch	Convergint Tech.	RELA-SRV					1	2				
2	17-2-1	4 Position SPDT w/LED	Convergint Tech.	SSU-MR-201/C					1	20				
3	17-3-2	Zoned Amplifier 20 watt	Convergint Tech.	3-ZA20A					1	4				
4	17-4-1	Control Relay Module	Convergint Tech.	SIGA-CR					1	30				
4	17-4-2	Universal Class A/B Module	Convergint Tech.	SIGA-UM					1	12				
4	17-4-3	Dual Input Riser Module	Convergint Tech.	SIGA-CC2					1	2				
4	17-4-4	Dual Input Module-UIO Mount	Convergint Tech.	SIGA-MCT2					1	2				
4	17-4-5	LCD Display & LED Sub Assembly	Protec	146534					1	1				
5	17-5-1	Single Input Riser Module w/Strobe Sync.	Convergint Tech.	SIGA-CC1S					1	5				
5	17-5-2	Control Relay Module -UIO Mount	Convergint Tech.	SIGA-MCR					1	9				
5	17-5-3	Input/Output Module-UIO Module	Convergint Tech.	SIGA-MI0					1	4				
5	17-5-4	Single Input Riser Module w/Strobe Sync.	Convergint Tech.	SIGA-MCC1					1	10				
5	17-5-5	Riser Mount Module	Convergint Tech.	SIGA-RM1					1	5				
5	17-5-6	Single Input Riser Module	Convergint Tech.	SIGA-CC1					1	21				
6	17-6-1	Dual Input Module	Convergint Tech./Wilson	SIGA-CT2					1	35				
6	17-6-2	Combo Water Flow / Tamper Module	Convergint Tech./Wilson	SIGA-CT1					1	35				
6	17-6-3	Combo Water Flow / Tamper Module	Convergint Tech.	SIGA-WTM					1	20				
7	17-7-1	Monitor Module-Single Output	Convergint Tech.	SIGA-MM1					1	4				
7	17-7-2	Riser Monitor Module- UIO Mount	Convergint Tech.	SIGA-MRM1					1	4				
7	17-7-3	Isolator Module	Convergint Tech.	SIGA-IM					1	4				
7	17-7-4	Universal I/O Module	Convergint Tech.	SIGA-IO					1	5				
7	17-7-5	Universal Class A/B Module	Convergint Tech.	SIGA-MAB					1	4				
7	17-7-6	Multi CD Strobe-24v White	Convergint Tech.	G1FVM					1	20				
8	17-8-1	Ion Smoke Detector	Convergint Tech.	DI-3					1	100				

CABINET # 18 CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	18-1-1	Initiating Device Circuit Module	Convergint Tech.	3-IDC 8/4						1	10			
2	18-2-1	LDC Display Module	Convergint Tech.	3-LCD						1	5			
2	18-2-2	Agent Releasing Module	Convergint Tech.	SIGA-REL						1	4			
2	18-2-3	Audio Source Unit Memory Expansion	Convergint Tech.	3-ASUMX/100						1	2			
3	18-3-1	RS 232 Communication Card	Convergint Tech.	3-RS232						1	7			
3	18-3-2	Central Processor Module	Convergint Tech.	3-CPU3						1	6			
4	18-4-1	Zoned Amplifier 40 watt	Convergint Tech.	3-ZA40A						1	4			
4	18-4-2	Fiber Optic Communication Interface	Convergint Tech.	3-FIBMB						1	4			
4	18-4-3	Annunciator Support Module	Wilson Fire	3-ANNSM						1	1			
4	18-4-4	Digital Message Module UIO Mount	Convergint Tech.	SIGA-MDM						1	4			
5	18-5-1	LED Display / Control Module	Convergint Tech.	3-12/S1GY						1	11			
5	18-5-2	Network Communication Card	Convergint Tech.	3-RS485A						1	5			
6	18-6-1	LED & Switch Module	Convergint Tech.	3-6/3S1G2Y						1	10			
6	18-6-2	Smoke Duct Detectors	Convergint Tech.	SIGA-SD						1	9			
7	18-7-1	15 / 110 CD Bell Strobe Plate	Convergint Tech.	403-8A-R						1	10			
7	18-7-2	15 / 75 CD Bell Strobe Plate	Convergint Tech.	403-7A-R						1	10			
8	18-8-1	Primary Power Supply	Convergint Tech./Wilson	3-PPS/M						1	4			
8	18-8-2	Booster Power Supply	Convergint Tech.	3-BPS/M						1	2			

CABINET # 19 EST & POTTER INVENTORY CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	19-1-2	Potter Gate Valve	Wilson Fire	POSYU-2						1	4			
2	19-2-1	Power Supply	Wilson Fire	3BPSM						1	1			
2	19-2-2	Power Supply	Wilson Fire	3PPSM						1	1			
2	19-2-3	Remote Zone Module Class B	Wilson Fire	RZBN 12-6/3 RZMP						1	1			
3	19-3-1	Module	Wilson Fire	CM2N						1	1			
3	19-3-2	Controller Module -	Wilson Fire	EWCM2ND						1	2			
3	19-3-3	Controller Module For Signature Series	Wilson Fire	EWCM2ND-SG						1	2			
4	19-4-1	Power Supply	Wilson Fire	EWPS8B						1	0			
4	19-4-2	CNC-8								1	2			
4	19-4-3	Controller Assembly With X&RM Option	Wilson Fire	CM1N-SG-X-RM						1	1			
4	19-4-4	Network Master Controller	Wilson Fire	CM1N						1	1			
5	19-5-1	Power Supply	Wilson Fire	APS8B						1	5			

CABINET # 21 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	21-1-1	Signal System Equipment Enclosure Part	Convergint Tech.	235326 / Part Of 3ASU						1	2			
1	21-1-2	Cover Plates	Convergint Tech.							1	2			
1	21-1-3	Duct Smoke Detector Housing	Convergint Tech.	SIGA-DH						1	4			
2	21-2-1	Chassis Assembly	Convergint Tech.	3-CHAS 7						1	4			
2	21-2-2	Inner Outer Door Assembly	Convergint Tech.	3-RLCM						1	2			
2	21-2-3	Audio Source Unit w / Fire Phone	Wilson Fire	3-ASU/ FT						1	1			
3	21-3-1	Remote Booster Power Supply Supply 10 amp	Convergint Tech./ Wilson	BPS10A						1	5			
3	21-3-2	Battery Cabinet	Convergint Tech.	BC1						1	4			

CABINET # 22 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	22-1-1	Photo Electric Duct Smoke Sensor	Convergint Tech.	ESD-2W						1	6			
1	22-1-2	4D Detector	Convergint Tech.	SIGA- IPHS						1	37			
1	22-1-4	6" Bell 24v Dc Red	Convergint Tech.	439D-6AW-R						1	9			
2	22-2-1	FA Man Station,WP, Single Action,Hex, Reset	Convergint Tech.	MPSR1-DHTW-GE						1	20			
2	22-2-2	Manual Pull Station Double Action	Convergint Tech.	SIGA-278						1	19			
2	22-2-3	Photo Smoke Detector	Convergint Tech.	SIGA-PS						1	3			
2	22-2-4	Fire Alarm Manual Station Double Pole	Convergint Tech.	270-DPO						1	6			
3	22-3-1	Ion Detectors	Convergint Tech.	1451						1	200			

CABINET # 23 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	23-1-1	Microline 184 Printer	Convergint Tech.	OKI						1	2			
1	23-1-2	Remote LCD Command Module Annun	Convergint Tech.	3-LCDANN						1	2			
2	23-2-1	Door For Cabinet 21D	Convergint Tech.	3-CAB21D						1	2			
2	23-2-2	Door For CAB14B	Convergint Tech.	3-CAB14D						1	2			

CABINET # 24 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	24-1-1	Smoke Detector	Convergint Technologies	2151						1	16			
1	24-1-2	Signature Driver Card	Convergint Technologies	3-SDC1						1	5			
1	21-1-3	SuperDuct Detector PC Board Detector	Wilson Fire	SIGA-SDPCB						1	5			
2	24-2-1	Signature Driver Card (LRM)	Convergint Technologies	3-SDDC1						1	13			
3	24-3-1	Universal I/O Module Mother Board-6POS	Convergint Tech.	SIGA-UIO6R						1	8			
3	24-3-2	Multi-CD Strobe/ Ceiling Strobe	Wilson Fire	GC-VM						1	5			
4	24-1-1	Wall Box w/ Two Chassis Spaces	Convergint Technologies	3CAB14B						1	2			

CABINET # 25 — CRITICAL SPARES - BLDG. 226

Shelf #	Item #	Description	MFG/SUPP	MFG Part #	Transfered.	Date	Amt. Trans.	Trans. By WB #	# In Pkg.	On Hand.	Inv. Count.	Shortage	Usage	Whitebird # and Amount Used
1	25-1-1	Zoned Amplifier 95 Watt	Convergint Technologies / Wilson	3-ZA95						1	3			
1	25-1-2	Audio Source Unit w/ Chassis Mount	Convergint Technologies / Wilson	3-ASU						1	3			
2	25-2-1	Wall Box With 3 Chassis Spaces	Convergint Technologies	3-CAB21B						1	2			

FLAMMABLE CABINET INVENTORY - BLDG. 25

Revised 4/02/2008

BLDG 25 — **FLAMMABLE CABINET**

Item #	Description	MFG/SUPP	MFG Part Number	Date Trans.	Amt From Sp.Ord.	Trans. By WB #	# In Pkg.	Stock Level	Minimum	On Hand	Inv. Count	Shortage	Usage		Whitebird # and Amount Used
F-1	Flam Canned Test Smoke	Dooley Tackelberry	SIC	3/19	12	32	12	12	12	11					
F-3	Flam QD Contact Cleaner	Grainger	1D262				1	1	1	1					
F-2	Flam WD-40 Lubricant	Grainger	10011				1	4	1	4					
F-4	Flam True Test Smoke 400	SDI	Smoke 400				1	1	4	4					

FLAMMABLE CABINET - (SPECIAL ORDER) INVENTORY - BLDG. 25

Revised 4/02/2008

BLDG 25 — **SPECIAL ORDER FLAMMABLE CABINET E**

Item #		Description	MFG/SUPP	MFG Part Number	Date	Amt.Trans. to Reg Inv.	Trans. By WB #	# In Pkg	On Hand	Inv. Count	Shortage	Shortage	Usage		Amount Transferred to Regular Inv. and Whitebird #
E-1	Flam	Canned Test Smoke	Dooley Tackelberry	SIC					12	19					
E-2	Flam	WD-40 Lubricant	Grainger	10011					1	3					
E-3	Flam	QD Electrical Contact Cleaner	Grainger	1D262					1	2					
E-4	Flam	True Test Smoke 400	SDI	Smoke 400					1	13					

Attachment J-5

Installation Services Facilities and Equipment

INSTALLATION SERVICE FACILITIES AND EQUIPMENT

Facilities to be provided to the successful offeror include approximate 1,863 square feet in Building 226 and 226 North, 6195 square feet in Building 25 on the JSC main campus. At the SCTF - NBL Building 920N room 3339 provides 458 square feet.

The Government will provide necessary computer seats for contractor employees and servers for contractor-maintained databases and web pages.

Attachment J-6

Database List

Database List

Databases to be provided by Government:

Close Call Database
Hazard Abatement Tracking System (HATS)
Mishap Database
Action Tracking Information System (ATIS)
Safety Action Hotline database
Building Inspection Tracking System (BITS)
Construction Safety Violation Recording database (ConSVR)

Future Single Source Entry Tool (to replace Close Call, Hazard Abatement Tracking, and Mishap Databases)

Attachment J-7

Core Course Inventory Lists

Core Course Inventory Lists

JSC-Specific Courses to be provided per SOW task 2.8:

Fire Warden
Facility Manager
Engineering Ethics

NSTC Courses to be provided per SOW section 8:

Fire Safety
- SMA-SAFE-NSTC-0207, Fire Protection Theory and Practice
- SMA-SAFE-NSTC-0217, Life Safety Code

Occupational/Industrial Health and Safety
- SMA-SAFE-NSTC-0051, Explosive Safety Management and Engineering
- SMA-SAFE-NSTC-0082, Basic Explosives Safety
- SMA-SAFE-NSTC-0009, Refresher Course for Explosives Handlers and Operational Personnel
- SMA-SAFE-NSTC-0028, Crane Operations and Rigging Safety Refresher
- SMA-SAFE-NSTC-0030, Aerial Platform
- SMA-SAFE-NSTC-0036, Battery Safety
- SMA-SAFE-NSTC-0200, Construction Safety and Health
- SMA-SAFE-NSTC-0201, Construction Safety and Health Overview
- Construction Safety and Health Seminars
  - SMA-SAFE-NSTC-0045, Excavation and Trenching Safety
  - SMA-SAFE-NSTC-0057, Hand and Power Tools
  - SMA-SAFE-NSTC-0058, Fall Protection for Construction
  - SMA-SAFE-NSTC-0059, Safety of Mobile Cranes, Derricks, Hoists, Elevators, and Conveyors in Construction
  - SMA-SAFE-NSTC-0060, Steel Erection
  - SMA-SAFE-NSTC-0061, Signs, Signals, and Barricades
  - SMA-SAFE-NSTC-0062, Occupational Health and Environmental Controls
  - SMA-SAFE-NSTC-0063, Material Handling, Storage, Use, and Disposal
  - SMA-SAFE-NSTC-0064, Welding and Cutting
  - SMA-SAFE-NSTC-0065, Stairways and Ladders
  - SMA-SAFE-NSTC-0066, General Safety and Health Provisions
  - SMA-SAFE-NSTC-0067, Personal Protective and Life Saving Equipment
  - SMA-SAFE-NSTC-0068, Demolition
  - SMA-SAFE-NSTC-0069, Concrete and Masonry
  - SMA-SAFE-NSTC-0070, Fire Protection and Prevention in Construction
  - SMA-SAFE-NSTC-0071, Underground Construction, Caissons, and Cofferdams
  - SMA-SAFE-NSTC-0072, Motor Vehicles, Mechanized Equipment, and Rollover Protective Structures and Overhead Protection
  - SMA-SAFE-NSTC-0073, Toxic and Hazardous Substances (Asbestos and Cadmium)
  - SMA-SAFE-NSTC-0075, Power Transmission and Distribution
- SMA-SAFE-NSTC-0204, Machinery and Machine Guarding
- SMA-SAFE-NSTC-0205, Overhead Cranes and Material Handling

SMA-SAFE-NSTC-0208, Mobile Crane Safety
SMA-SAFE-NSTC-0210, Forklift Safety
SMA-SAFE-NSTC-0224, Laboratory Safety and Health
SMA-SAFE-NSTC-0225, Occupational Ergonomics
SMA-SAFE-NSTC-0309, Electrical Safety Standards
SMA-SAFE-NSTC-0310, Electrical Safety Refresher
SMA-SAFE-NSTC-0311, Fall Protection
SMA-SAFE-NSTC-0044, Fall Protection Refresher
SMA-SAFE-NSTC-0312, Scaffolding Safety
SMA-SAFE-NSTC-0316, Scaffold User's Seminar
SMA-SAFE-NSTC-0313, Cryogenics Safety
SMA-SAFE-NSTC-0314, Liquid Nitrogen Handlers' Course
SMA-SAFE-NSTC-0315, Safety in High Pressure Systems
SMA-SAFE-NSTC-0317, Safety in High Pressure Operations
SMA-SAFE-NSTC-0056, Flexible Hose Safety
SMA-SAFE-NSTC-0318, Compressed Gas Trailer Safety
SMA-SAFE-NSTC-0319, Compressed Gas Cylinder Safety
SMA-SAFE-NSTC-0037, Hydrogen Safety
SMA-SAFE-NSTC-0054, Safety in Hydrogen System Operations
SMA-SAFE-NSTC-0055, Hypergol Systems: Design, Buildup and Operation
SMA-SAFE-NSTC-0052, Fire Hazards in Oxygen Systems
SMA-SAFE-NSTC-0053, Oxygen Systems: Operations and Maintenance
SMA-SAFE-NSTC-0047, OSHA Record Keeping Seminar
SMA-SAFE-NSTC-0501, General Industry Safety and Health
SMA-SAFE-NSTC-0806, Confined Space Entry
SMA-SAFE-NSTC-0814, Lockout/Tagout
SMA-SAFE-NSTC-0039, Establishing, Maintaining, and Assessing OSHA VPP-Compliant Safety and Health Programs
SMA-SAFE-NSTC-060A, Steel Erection
SMA-SAFE-NSTC-0076, Electrostatic Discharge (ESD) Control: Tailoring an ESD Control Program
SMA-SAFE-NSTC-0077, Hazardous Locations

Safety Engineering Courses

SMA-SAFE-NSTC-0001, Facility System Safety
SMA-SAFE-NSTC-0002, System Safety Fundamentals
SMA-SAFE-NSTC-0008, System Safety Workshop
SMA-SAFE-NSTC-0011, Payload Safety Review and Analysis
SMA-SAFE-NSTC-0016, Payload Safety Review Process and Requirements
SMA-SAFE-NSTC-0015, System Safety Special Subjects
SMA-SAFE-NSTC-0043, System Safety Seminar
SMA-SAFE-NSTC-0020, Principles of System Safety (Basic System Safety Practice)
SMA-SAFE-NSTC-0021, Advanced System Safety (Advanced System Safety Practice)
SMA-SAFE-NSTC-0023, System Safety in Acquisition
SMA-SAFE-NSTC-0025, Software System Safety

Special Programs

SMA-SAFE-NSTC 003, Certified Safety Professional (CSP) Fundamentals Examination Study Course
SMA-SAFE-NSTC-0017, Design for Reliability, Availability and Maintainability

(RAM)
SMA-SAFE-NSTC-0018, Aircraft and Space Shuttle Crash Investigation
SMA-SAFE-NSTC-0026, Control Team/Crew Resource Management
SMA-SAFE-NSTC-026P, Aircrew Resource Management
SMA-SAFE-NSTC-026M, Maintenance Crew Resource Management
SMA-SAFE-NSTC-0029, Special Programs Seminars
SMA-SAFE-NSTC-0034, Situational Awareness
SMA-SAFE-NSTC-0074, Range Safety Orientation
SMA-SAFE-NSTC-0078, Mission Assurance for On-Orbit Spacecraft Operations Overview
SMA-SAFE-NSTC-0079, Mission Assurance for On-Orbit Spacecraft Ops – Analysis Level
SMA-SAFE-NSTC-0084, Hazardous Waste Management
SMA-SAFE-NSTC-0085, Hazardous Waste Management Refresher
SMA-SAFE-NSTC-0086, NASA Range Flight Safety Analysis
SMA-SAFE-NSTC-0087, Particle Count Training
SMA-SAFE-NSTC-0088, Cleanroom Protocol and Contamination Control
SMA-SAFE-NSTC-0089, Cleaning Processes and Systems
SMA-SAFE-NSTC-0090, Cleanliness Process Monitoring and Audits
SMA-SAFE-NSTC-0091, Cleanliness Requirements and Regulations
SMA-SAFE-NSTC-0092, Behavior of Particles: Elementary Treatment
SMA-SAFE-NSTC-0093, Behavior of Particles: Advanced Treatment
SMA-SAFE-NSTC-0094, Cleanliness Standards and Guidelines
SMA-SAFE-NSTC-0095, Practices and Guidelines for Cleanroom and Related Operations
SMA-SAFE-NSTC-0096, NASA Flight Safety Systems
SMA-SAFE-NSTC-0097, Range Safety Operations
SMA-SAFE-NSTC-0828, Process Safety Management and the HAZOP Methodology
NSTC 850, Basic First Aid (discontinued)
SMA-SAFE-NSTC-0851, Adult CPR
SMA-SAFE-NSTC-0854, Standard First Aid
New Course:
SMA-SAFE-NSTC-0046, Machine Guarding Seminar

Attachment J-8

Contractor Plans

Contractor Plans

Management Plan

The contract incorporates the Contractor's Management Plan as submitted on TBD, by reference with the same force and effect as if it were given in full text.

Contractor Plans

Safety and Health Plan

The contract incorporates the Contractor's Safety and Health Plan as submitted on TBD, by reference with the same force and effect as if it were given in full text.

Contractor Plans

Quality Plan

The contract incorporates the Contractor's Quality Plan as submitted on TBD, by reference with the same force and effect as if it were given in full text.

Contractor Plans

Phase-In Plan

The contract incorporates the Contractor's Phase-In Plan as submitted on TBD, by reference with the same force and effect as if it were given in full text.

Contractor Plans

Conflict of Interest Plan

The contract incorporates the Contractor's Conflict of Interest Plan as submitted on TBD, by reference with the same force and effect as if it were given in full text.