

a. SPO – ERT (supplemental duty):

In addition to the requirements of a SPO, the Emergency Response Team (ERT) has training in special weapons and tactics and is capable of immediate response to any type of threat or security emergency on ARC.

b. SPO- ERT Lead (supplemental duty):

In addition to the requirements of a SPO, the Emergency Response Team (ERT) Lead has training in special weapons and tactics and is capable of immediate response to any type of threat or security emergency.

c. SPO – K-9 (supplemental duty): In addition to the requirements of a SPO, the K-9 units shall be responsible for tasks to include explosive and narcotics detection, facility and vehicle sweeps, assist with traffic stops, and searches for persons or evidence.

20. Security Police Officer – Watch Commander:

An armed officer, who has successfully completed the required NASA training, with NASA Federal arrest authority and Federal Magistrate Training, whose duties may include but are not limited to, the management of first response to emergencies, enforces federal law and assimilated state law, mobile patrols, inspections and searches, traffic enforcement, traffic investigations, arrest, transport, access control, contingency posts, crowd control, and other duties as required. Secret clearance required.

21. Training Specialist:

A person, with the appropriate training and certifications, who develops curriculum, delivers various NASA required education and training classes, maintains records, and provides instruction on subjects such as firearms and intermediate weapons safety, tactics, and qualifications, legal issues, defensive tactics, live-fire range safety, NIMS training and other emergency preparedness classes, training may be on-line or in classroom setting. The person(s) designated to fill this position must also possess all certifications required for an armorer/gunsmith and be capable of performing all duties associated with all weaponry used in conjunction with the performance of the contract. Training may be delivered to a variety of personnel including Government employees and other contractors.

22. Visitor Registration Specialist

Personnel that operate, fabricate, and issue: NASA Temporary Visitor Passes. This person also creates reports, metrics, statistical analyses and maintains databases.

APPENDIX B – MEDICAL EXAMINATION FOR EMERGENCY SERVICES FIRST RESPONDERS**1.0 Medical Examination Requirements for ARC First Responders**

The Contractor Shall:

1. Ensure all first responders undergo a medical examination and are physically and medically capable of performing the essential duties of the position efficiently and without hazard to themselves or others. These examinations shall be completed before entrance on-duty and annually during employment.
2. Consider failure to meet the required-physical and medical qualifications to be a disqualifying factor for continued employment as a first responder.
3. Enforce the following minimum visual abilities:
 - a. Distant visual acuity must be at least 20/40 in each eye with corrective lenses; distant binocular acuity of at least 20/40 with corrective lenses.
 - b. Near visual acuity must be corrected to at least 20/40 in each eye; near binocular acuity of at least 20/40 with corrective lenses.
 - c. Field of vision must be at 90 degrees in the horizontal meridian in each eye.
 - d. Ability to distinguish the colors must be present for red, amber, and green.
4. Enforce the minimum hearing ability of hearing loss in the better ear of not greater than 40 decibels at 500 Hz, 1,000 Hz, and 2,000 Hz, with or without a hearing aid.
5. Ensure first responders have no impairment of the use of a leg, a foot, an arm, a hand, the fingers, back or neck which would most likely interfere with the functional requirements of the first responder's position. In addition, first responders shall have no established medical history or clinical diagnosis of rheumatic, arthritic, orthopedic, muscular, neuromuscular, or vascular disease which would interfere with the ability to perform the functional requirements of a First Responder's position.
6. Ensure first responders have no established medical history of cardiac or pulmonary disease, myocardial infarction, angina, or severe emphysema.
7. Ensure appropriate medical forms are completed by the applicant and provided to the medical professional prior to the examination.
8. Require examinations to include, but not be limited to a review of the following:
 - a. head and neck
 - b. visual tests

- c. ears, nose and throat
 - d. respiratory, cardiovascular and central and peripheral nervous systems
 - e. abdomen, rectum, and genitourinary system
 - f. spine and other musculoskeletal systems
 - g. skin
9. Require specific tests/measurements to be obtained include:
- a. Height and weight.
 - b. Temperature, pulse, respiration rate, blood pressure.
 - c. Eye examination, including:
 - i. Visual acuity, near and far
 - ii. Depth perception
 - iii. Accommodation
 - iv. Field of vision
 - v. Fundiscopic
10. Require Cardiopulmonary evaluation, which shall include the following:
- a. Resting twelve-lead electrocardiogram with interpretation.
 - b. A sub-maximal exercise test with a twelve-lead EKG will be required of those applicants found to be in a category of risk greater than 18 per 100, according to the Coronary Risk Handbook published by the American Heart Association.
11. Require Pulmonary Function Evaluation, which shall include the following:
- a. FVC, FEV1, FEV1/FVC ratio
 - b. Permanent record of flow curves must be included in the patient's report
 - c. Chest X-ray (PA) 14 x 17 inches as a baseline
12. Ensure a Comprehensive laboratory profile is conducted to include:
- a. Urinalysis (including microscopic)
 - b. Hemocult
 - c. CBC
13. Require testing of chemical groups (done after 12-hour fast) to include the following:

- a. Chloride, bicarbonate
- b. Glucose
- c. Blood urea nitrogen
- d. Creatinine
- e. Uric acid
- f. LDH, SGOT, SGPT, GGTP
- g. Alkaline phosphatase
- h. Bilirubin
- i. Total protein
- j. Albumin and globulin
- k. Cholesterol
- l. Triglycerides
- m. HDL Cholesterol
- n. Potassium
- o. Calcium

14. Blood lead, if indicated. A blood lead and zinc protoporphyrin should be done when there is a history of lead exposure or when the test is indicated in the physician's judgment.

15. Ensure an otoscopic examination, otological history, and audiometric test be administered and results reviewed by an otolaryngologist, audiologist, or certified audiometric technician.

2.0 Reporting Requirements

The examining medical professional will generate personal medical reports for all applicant/employees examined and mail them to their private residence within 15 working days of the date that the applicant/employee is examined. The results will list each test, individually indicating whether a result is normal or abnormal and, if appropriate, a recommendation for referral to the applicant's private physician will be made. In addition, the personal medical report will contain:

- a. The medical professional's opinion as to whether the applicant/employee has any detected medical condition(s) which would place the applicant/employee at increased risk of material health impairment from work exposures and practices.
- b. A written opinion as to whether the applicant/employee's health would be at increased risk of material impairment from the First Responders work environment.

- c. A written statement regarding the applicant/employee's ability to wear protective equipment.
- d. A written statement that the applicant/employee has been informed in writing by the medical professional of the results of the medical examination.
- e. A Determination of the applicant/employee's ability to wear any personal protective equipment.

The examining medical professional shall utilize the appropriate medical forms and will forward the following to the Protective Service Contract Management.

3.0 Medical Records

Upon completion of the medical examination, the medical professional shall forward to the employees managers office, each applicant/employee's complete medical record. The envelope shall be marked PERSONAL Sensitive But Unclassified (SBU) and the package shall include:

- a. Completed medical/occupational history forms.
- b. Completed physical examination forms.
- c. All laboratory test results.
- d. Chest X-ray (radiograph and interpretation).
- e. Pulmonary function test.
- f. Audiometric test results.

APPENDIX C – PHYSICAL FITNESS REQUIREMENTS FOR Security Officers/Security Police Officers
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The Contractor shall:

1. Ensure all SOs, SPOs, and other Contractor personnel authorized to be armed, take the Physical Abilities Test (PAT) annually, which consists of the following:
 - a. From a seated position exit vehicle, open trunk, and grab baton-flashlight.
 - b. Complete 220 yard run.
 - c. Navigate an obstacle course [40 inch wall, three hurdles (24 inch, 12 inch, 18 inch. high), serpentine pylon maneuver, low crawl) - total length 115 feet].
 - d. Complete 50 foot sprint.
 - e. Drag 150 lb mannequin 100 feet.
 - f. Repeat obstacle course.
 - g. Repeat 220 yard run.
 - h. Return baton-flashlight to trunk and enter vehicle.
 - i. Time Stops when employee is seated with both hands on the steering wheel.
2. Administer the PAT annually and require all SOs, SPOs, Investigators and other contractor personnel authorized to be armed, to complete the PAT within 7 minutes. Personnel who fail to meet this standard may be retested within 60 calendar days. Refusal to test, or failing to pass the test, will be considered a basis for removal from the contract.
3. Screen non-incumbent officers (personnel not previously employed on a NASA Protective Services Contract) and administer a physical agility test that includes a one mile run in less than 10 minutes.
4. Ensure personnel participating on specialty teams such as K-9 meet the physical standards set in *NPR 1600.1*.

APPENDIX D – PSYCHOLOGICAL AND EMOTIONAL REQUIREMENTS FOR Security Officers/Security Police Officers

The Contractor Shall:

1. Administer Minnesota Multiphasic Personality Inventory -2 (MMPI-2) and Shipley Institute of Living Scale, psychological examinations to all potential personnel. Personnel who fail the MMPI-2 or Shipley Institute of Living Scale shall be interviewed by a licensed psychologist before a final decision on suitability is made.
2. Screen applicants who possess significant employment risk factors to identify applicants who exhibit behavioral characteristics associated with employment success.
3. Screen applicants who possess significant employment risk factors to identify applicants who exhibit behavioral characteristics associated with employment success.
4. Ensure all armed SOs are free of problems that may adversely affect job performance. The evaluation must focus on the applicant's suitability for high-risk and high-stress work.
5. Forward each examination to a clinical psychologist for evaluation. Upon receipt of this evaluation, the Contractor shall use these findings to determine the applicant's suitability for employment.

APPENDIX E – Security Officer/Security Police Officer QUALIFICATIONS

The Contractor Shall:

1. Ensure that uniformed and non-uniformed contract employees that serve as members of the Contractor's security force representing NASA protective services in the position of SO and SPO, or Investigator will be required to provide a statement of conduct that is the Officers Oath or affirmation to proper conduct and allegiance to the principle of behavior suitable to their position of trust, and their understanding of the requirements of the "Standards of Conduct for Sworn Officers".
 - a. The Oath; [Stand and remove your headgear, place your hand over your heart and in a clear voice state your oath or affirmation] "My _____ [Oath or Affirmation] is my bond. I [State Your Full and Complete Name] understand and accept my duty to protect and defend the rights of all persons. I will perform my duty with diligence and purpose. I will exercise the authority, vested in me by virtue of my position, with honesty and decency, showing preference to none, while serving all. This I respectfully _____ [swear or affirm]".
2. Ensure all officers are United States citizens.
3. Ensure sworn officers will:
 - a. Exercise good judgment;
 - b. Interact with people in a professional manner;
 - c. Maintain a high level of performance; and,
 - d. Maintain poise and self-control under stress.
4. Certify that sworn officers have as a minimum:
 - a. A high school diploma or General Equivalency Diploma (GED).
 - b. A valid state driver's license that is maintained throughout employment.
 - c. The ability to read and speak the English language, understand, and apply written rules, detailed orders, instructions and training material. Construct and write clear, concise, accurate, and detailed reports.
 - d. User level computer skills operating standard word processing programs.
 - e. Reached the age of at least 21, at the time of employment.
5. Conduct a Pre-Employment Investigation to ensure:

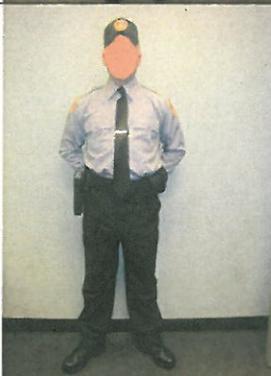
- a. No SO/SPO employee has a felony conviction.
 - b. No armed employee has a misdemeanor conviction that reflects on the individual's suitability.
 - c. Persons convicted of or under indictment for a misdemeanor crime of domestic violence are not employed as armed SOs/SPOs.
 - d. Non-SO/SPO employees meet the requirement of position risk determination and NASA access suitability.
6. Conduct a pre-employment investigation that includes:
 - a. Search of police files in the area of residence for a period of five (5) years.
 - b. Inquiries of former employers for a period of five (5) years.
 - c. Information that may reflect on the suitability of the SO/SPO to perform security duties under this contract.
 7. Provide the results of the investigative reports for each officer to the NASA Chief of Center Security not later than 7 days prior to beginning duty.
 8. Provide a standard operating procedure "Standards of Conduct," for all employees.
 9. Provide a standard operating procedure "Standards of Conduct for Officers" that specifically addresses the behavior and conduct of uniformed and non-uniformed members of the Contractor's security force representing NASA protective services.
 10. Ensure all personnel adhere to general standards of conduct that reflect credibility upon themselves, their employer, NASA, and the Federal Government.
 11. Remove any Contractor employee from the work site and/or this contract for failure to comply with the general standards of conduct and, initiate immediate action to replace an employee to maintain continuity of services at no additional cost to the Government.

APPENDIX F – OFFICER UNIFORMS AND EQUIPMENT REQUIREMENTS

1.1 SOs

The Contractor Shall:

1. Issue standard, complete, adjusted for climate, appropriate uniforms to all uniformed officers to be worn at all times when on-duty or as directed. The uniform selected by the Contractor, shall conform to high quality manufacture and shall provide for quality appearance, safety, comfort, durability, stain resistance, and performance.

Uniform	Description
	<p>SPO Supervisors and above: Winter - Uniform of the Day (UOD) pictured, White long sleeve, Black Tie, Black Pants.</p> <p>Summer -UOD, same as above but with short sleeves and no tie</p>
	<p>All SOs/SPOs: Winter - Uniform of the Day (UOD) pictured, Gray long sleeve, Black Tie, Black Pants.</p> <p>Summer -UOD, same as above but with short sleeves and no tie.</p>

2. Utilize NASA Protective Services Patch



3. Utilize SPO/SO Shields



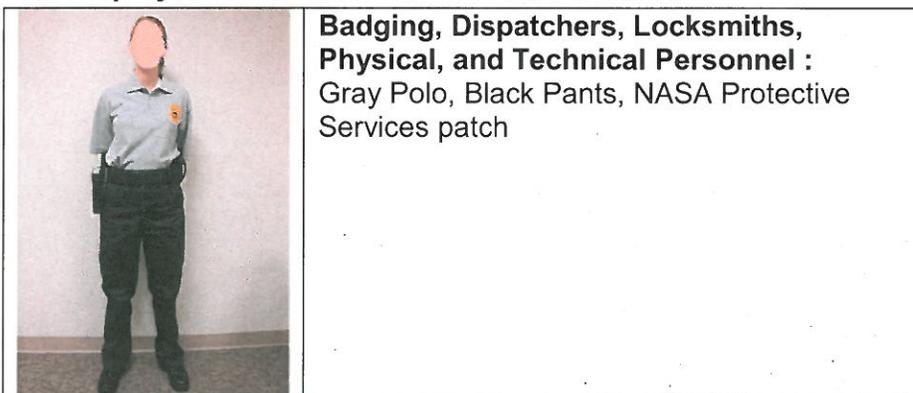
4. Issue to and ensure that every armed SPO and SO wears National Institute of Justice (NIJ) threat level III concealable body armor in a color appropriate to the duty uniform, while armed for duty or training.
5. Provide sufficient quantities of uniforms to provide officers with clean serviceable uniforms for daily use.
6. Ensure that non-uniformed officers wear appropriate and standard civilian attire that meets the needs of the mission and complies substantially with the provisions of this attachment.
7. Not use Contractor identification on civilian attire when civilian clothing is worn in lieu of a uniform.

8. Ensure the uniform will present a favorable public image and will fit well, be clean, neat, and well pressed.
9. Ensure foot wear will be clean and polished at all times.
10. Ensure all officers wear the same color and style of uniform. ERT teams will wear special uniforms when responding to incidents and during training evolutions.
11. Ensure only approved shield and nametag, either metal or embroidered, identifying the wearer as a "SPO" and "SO" will be worn on the duty shirt, outer garment and hat.
12. Ensure that no Contractor identification, logo, or trademark, will be worn or displayed on the uniform at any time.
13. Prohibit inappropriate wear of the uniform while off duty.
14. Issue headgear that as a minimum is a high quality baseball style cap and appropriate cold weather caps when necessary.
15. Ensure that a standard uniform black necktie is worn with the long sleeve shirt. The neck tie shall not be worn with the short sleeve shirt.
16. Wear a standard uniform duty shirt gray in color. Both short and long sleeve shirts shall be available for wear. Shirts shall be sized for the continuous wear of concealable body armor. Adjustments to fabric for climatic conditions shall match the look and appearance of the standard uniform as much as possible.
17. Wear shirts that have seven (7) button placket fronts with shoulder epaulets and have sown increases. In addition, shirts shall have pleated and scalloped pockets and a badge sling on the left breast pocket.
18. Wear standard uniform duty trousers that are black in color. Adjustment of fabric for climatic conditions shall match the look and appearance of the standard uniform as much as possible. Trousers shall have a black stripe side seam and shall have no cuff.
19. Wear standard uniform duty V-neck sweaters that are black, military style, badge tab, shoulder epaulets.
20. Wear standard uniform duty black shoes. Athletic shoes are not acceptable.
21. Use standard uniform duty gear that is plain black. All duty gear shall be fully serviceable and professional in appearance. Duty Gear shall include a duty belt, level III retention holster, pants belt, belt keepers, reflective vest, magazine pouch with 2 magazine carriers, radio carrier, baton

holder, OC spray holder, flashlight carrier, handcuff pouch, nametag, US Flag patch on right sleeve, appropriate rank insignia, NASA ARC patch, and other items as approved by the COTR.

- 22. Utilize rain suit and cold weather clothing; standard uniform duty coat, rain boots, gloves and cold weather parka and pants appropriate for cold climate conditions.
- 23. Issue patrol jacket with fluorescent yellow high visibility outside and black reversible inside.
- 24. Issue special (non-standard) Uniforms; K-9, tactical, vehicle inspection posts and other specialized details shall be permitted to wear a Battle Dress Uniform (BDU) style tactical uniform, black or dark blue in color that meets the unique requirements of these assignments.
- 25. Issue standard uniform duty NIJ compliant threat level III or IIIA. Each SPO and SO is required to wear issued concealable body armor, level III or IIIA, while armed for duty or training.
- 26. Ensure non-uniformed officers wear professional attire that meets the needs of the mission and complies with the provisions of this attachment in color scheme and readily identifies the wearer as Security Staff. Contractor identification on civilian attire is not authorized when civilian clothing is worn in lieu of a uniform.
- 27. Ensure any proposed changes or modifications to the standard uniform are approved by the COTR.

1.2 Employees with Customer Service Functions



The Contractor shall:

- 1. Issue standard soft uniforms for those employees whose job duties require frequent interactions with the general population at ARC, but who are not SPOs/ SOs or Fire Department personnel. (The uniform selected by the Contractor, shall conform to high quality manufacture and shall provide for quality appearance, safety, comfort, durability, stain resistance, and performance.)
- 2. Provide sufficient quantities of uniforms to provide officers with clean serviceable uniforms for daily use.

3. Ensure the uniform will present a favorable public image and will fit well, be clean, neat, and well pressed.
4. Ensure standard uniform duty shoes shall be black in color. Black athletic shoes are acceptable
5. Ensure foot wear is clean and polished at all times.
6. Wear a soft duty uniform shirt gray in color. Both short and long sleeve shirts shall be available for wear. Shirts shall be sized for the continuous wear of concealable body armor. Adjustments to fabric for climatic conditions shall match the look and appearance of the standard uniform as much as possible.
7. Wear standard uniform duty trousers that are black in color. Adjustment of fabric for climatic conditions shall match the look and appearance of the standard uniform as much as possible. Trousers shall have a black stripe side seam and shall have no cuff.
8. Ensure that no Contractor identification, logo, or trademark, will be worn or displayed on the uniform at any time.
9. Prohibit inappropriate wear of the uniform while off duty. Uniform may be worn while off the Center if serving in an official capacity. Deviation requires TM and/or COTR approval.

1.3 Fire Services

The Contractor shall:

1. Issue standard, complete, appropriate uniforms to all Firefighters, Fire Officers and Fire Inspectors to be worn at all times when on-duty or as directed.
2. Ensure non-uniformed Fire Personnel shall wear appropriate and standard civilian attire that meets the needs of the mission and complies substantially with the provisions of this attachment, however, official NASA/ARC PIV badge is required while wearing civilian attire while on Center.
3. Utilize standard uniform patch:



4. Utilize Firefighter/Officer Shield



5. Ensure that Contractor Logo or Trademark on civilian attire is not authorized when civilian clothing is worn in lieu of a uniform, however, official NASA/ARC PIV badge is required while wearing civilian attire while on Center.
6. Ensure the uniform will present a favorable public image. The appearance of uniforms will fit well and be clean, neat, and well pressed.
7. Ensure foot wear is clean and polished at all times.
8. Ensure all Firefighters and Fire Officers wear the same color and style of uniform, with appropriate rank insignia.
9. Ensure all Fire Inspectors and Fire Management and Administration personnel wear a white button shirt with collar (tie optional), with appropriate collar insignia, and coordinated pants, shoes, belts and other accessories, by style and color.
10. Have approved shield and nametag, either metal or embroidered, identifying the wearer as a Firefighter, Fire Officer or Fire Inspector, worn on the duty shirt, outer garment and hat.

11. Ensure that Contractor Logo, or Trademark, on civilian attire is not authorized when civilian clothing is worn in lieu of a uniform and that Contractor Logo or Trademark will not be worn or displayed on the uniform at any time.
12. Ensure uniforms are not worn while off duty.
13. Ensure uniforms for Firefighters, Fire Officers and Fire Inspectors will consist of the following items; Coat, Trouser, Shirt, Belt, Hat, Boots, Reflective vest, Radio holder, Badge Holder, Rank insignia, Patches, Gloves, Firefighting Boots, Turnout Coat, Turnout Pants, Bunker Boots, Fire Helmet W/Face Shield, Firefighting Gloves, Firefighting Hood, Suspenders, SCBA Face Piece & Regulator, Flashlight w/Holder, Folding pocket spanner, Folding sprinkler wedge, NFPA compliant goggles with retainer, Chest Harness Radio Holder/Hands Free, T-Shirts, Workout Shorts.

APPENDIX G – DISPATCHER QUALIFICATIONS

1. Personnel performing the dispatch function shall successfully complete a California Peace Officer's Standards and Training (POST) certified 9-1-1 Basic Dispatch course as soon as practicable, but not later than one (1) year from the effective date of hire.
2. Personnel performing the dispatch function shall successfully complete a POST Tactical Dispatch course as soon as practicable, but not later than one (1) year from the effective date of hire.
3. The Dispatchers shall meet the requirements of NFPA Standard 1061, Professional Qualifications for Public Safety Tele-communicator. Additionally, NFPA Standard 1221, Standard for the Installation, Maintenance, and Use of Emergency Services Communications shall be the guide for receiving, dispatching, and recording emergency communication.
4. Contractor Dispatchers shall be required to obtain and maintain a SECRET security clearance.

APPENDIX H – PERSONNEL SECURITY SPECIALIST QUALIFICATIONS

1. A high school diploma or General Equivalency Diploma (GED).
2. Ability to read and speak the English language, understand and apply written rules, directives, instruction and training material. Construct and write clear, concise, accurate and detailed reports, memos, documents, etc.
3. User level computer skills operating basic email, standard word processing, and spreadsheet software.
4. Personnel Security Specialists shall successfully complete adjudication training per the requirements of *NPR 1600.1* as soon as practicable, but not later than six (6) months from the effective date of hire. Recurrent training, as required, by *NPR 1600.1* shall also be provided by the contractor.
5. Personnel Security Specialists required to obtain and maintain a TOP SECRET security clearance.

APPENDIX I – ELECTRONIC SECURITY TECHNICIAN QUALIFICATIONS

1. A high school diploma or General Equivalency Diploma (GED).
2. Electronic Security Technicians shall be required to obtain and maintain a SECRET security clearance.
3. Have experience with both PC & Apple hardware & PC & Apple software, and possess excellent trouble shooting skills at both the desktop systems & server system levels.
4. Experience in an Information Technology Security environment within the federal Government, military, or state/local government or private sector. Must be Lenel Master Electronic Access certified.
5. California Low Voltage Electrician Certification
6. Demonstrate both real world technical knowledge and practical “hands-on” experience with current information technology security plan creation & plan writing.
7. Must be able to lift a minimum of 50 pounds.
8. Must have and maintain a valid driver’s license.

APPENDIX J – LOCKSMITH QUALIFICATIONS

1. A high school diploma or General Equivalency Diploma (GED).
2. Must be GSA: lock, vault & container inspector certified
3. Demonstrate both real world technical knowledge and practical “hands-on” experience with all of the following: locks, key systems, security containers, vaults, combination locks, and possess excellent troubleshooting skills.
4. Locksmith required to obtain and maintain a SECRET security clearance.
5. Must be able to lift a minimum of 50 pounds
6. Must have and maintain a valid driver’s license.

APPENDIX K – INFORMATION SECURITY SPECIALIST QUALIFICATIONS

1. A high school diploma or General Equivalency Diploma (GED).
2. One (1) Contractor Electronic Security Technician shall be required to obtain and maintain a TOP SECRET security clearance. All other Electronic Security Technicians shall be required to obtain and maintain a SECRET security clearance.
3. Have experience with both PC & Apple hardware & PC & Apple software, and possess excellent trouble shooting skills at both the desktop systems & server system levels.
4. Must be able to lift a minimum of 50 pounds.
5. Must have and maintain a valid driver's license

APPENDIX L – PHYSICAL FITNESS REQUIREMENTS FOR FIREFIGHTERS/OFFICERS

1. The contractor shall ensure all firefighters/officers are physically fit and physically capable of performing firefighting duties.
2. The contractor shall ensure all firefighters/officers participate in an individualized physical fitness program while on-duty status, on each work shift, for approximately 1.5 hours, if the senior shift fire officer deems permissible. Each exercise period should cover the disciplines of flexibility, strength and aerobics. Team sports such as basketball, volleyball, etc. may be utilized towards the exercise requirements, but will not be eligible to meet the entire requirement. All fitness training shall be performed in contractor issued physical fitness uniforms.
3. All fitness training shall be documented on a Physical Fitness Training Roster. These forms shall be forwarded to the fire administrative office at the end of each month. Completed forms shall be kept on file for a period of twelve (12) calendar months and shall be available upon the Government's request.
4. NASA requires as a minimum standard the annual Physical Abilities Test (PAT) outlined below. The standard applies to Firefighters/Officers/Investigators.
5. The following PAT shall be performed while wearing full structural firefighting bunker gear (coat and pants); NFPA approved structural firefighting boots, and a SCBA with a composite bottle. Personnel shall wear the SCBA face mask, maintain an adequate respiratory seal, and breathe SCBA bottled air while performing the PAT. This PAT shall be completed within seven (7) minutes:
 - a. Ascend and descend 75 feet of stairway while carrying a 14 pound simulated high rise pack;
 - b. Hoist a 50 foot roll of 1-3/4 inch hose with nozzle, using a 1/2 inch to 5/8 inch rope, to a height of 50 feet;
 - c. Simulate forcible entry by hitting a 150 pound beam with a 9 pound sledge hammer to move the beam a distance of 5 feet (Keiser Force Machine). Firefighters must keep both hands below a tape-marked line on the sledge hammer that is 1 foot down from the head of the sledge hammer and only contact the beam with the head of the sledge hammer;
 - d. Lift, drag or carry a 170 pound mannequin a distance of 85 feet.
6. Personnel who fail to meet this standard shall be allowed up to three (3) additional attempts with 90 calendar days to successfully complete the PAT. Should the employee fail to pass the PAT within the 90 day timeframe, the employee will no longer be eligible to perform on this contract.

APPENDIX M – FIREFIGHTER/OFFICER MINIMUM PERSONNEL QUALIFICATIONS

1. Ensure firefighters are trained and remain certified in:
 - a. High-Hazard Occupancy firefighting
 - b. Transportation vehicles firefighting and extrication
 - c. Rural and urban interface firefighting
 - d. Rescue Systems II, (rope, structural collapse, confined space, trench, and vehicle/machinery rescue and hazardous materials response to the industrial technician level)
 - e. Chemical, Biological, Radiological, and Nuclear (CBRN)
2. Firefighters and Fire Officers not meeting minimum standards at beginning of their employment shall have 180 days to comply. Exceptions to this requirement shall be approved by the COTR.
3. **Firefighter Medical Examination**
 - a. All fire department personnel shall receive an annual medical physical based upon an ergonomic review of the critical physical attributes required for emergency service operations.
 - b. The physical examination shall comply with the requirements of *NPR 1800.1, NASA Occupational Health Program Procedures*.

Table 1 below provides the basic qualifications that apply to all individuals employed or being considered for employment as a firefighter:

TABLE I

Fire Officers (Fire chief, Assistant Chief, Battalion Chief)	Standard
Fire Officer IV	NFPA 1021
Fire Instructor II	NFPA 1041
Fire Inspector II	NFPA 1031/CFSTES Equivalent
Firefighter I & II	NFPA 1001
Apparatus Driver Pumper/Aerial	NFPA 1002
Airport Firefighter	NFPA 1003
Hazardous Materials Incident Commander	NFPA 472
Hazardous Materials Technician	NFPA 472
Hazardous Materials Operations	NFPA 472
Hazardous Materials Awareness	NFPA 472
IS 100, IS 200, ICS 300, ICS 400, IS 700, IS 800	IS 100, IS 200, ICS 300, ICS 400, IS 700, IS 800
Rescue Technician	NFPA 1006
N/A	National Registry EMT Program/Santa Clara County EMT-D
American Heart Association CPR/AED	American Heart
State of California Class "C" License	California State
N/A	NFPA 1033/CFSTES Equivalent
Fire Investigator I	NFPA 1033/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
Firefighter/Captain	
Fire Officer II	NFPA 1021
Fire Instructor II	NFPA 1041
Fire Inspector I	NFPA 1031/CFSTES Equivalent
Firefighter I & II	NFPA 1001
Apparatus Driver Pumper/Aerial	NFPA 1002
Airport Firefighter	NFPA 1003
Hazardous Materials Incident Commander	NFPA 472
Hazardous Materials Technician	NFPA 472
Hazardous Materials Operations	NFPA 472
Hazardous Materials Awareness	NFPA 472
IS 100, IS 200, ICS 300, IS 700	IS 100, IS 200, ICS 300, ICS 400, IS 700, IS 800
Rescue Technician	NFPA 1006
Santa Clara County EMT-D	National Registry EMT Program/Santa Clara County EMT-D
American Heart Association CPR/AED	American Heart
State of California Class "B" License	California State
N/A	NFPA 1033/CFSTES Equivalent
N/A	NFPA 1033/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
Firefighter/Driver Operator	
N/A	NFPA 1021
Fire Instructor I	NFPA 1041
Fire Inspector I	NFPA 1031/CFSTES Equivalent
Firefighter I & II	NFPA 1001
Apparatus Driver Pumper/Aerial	NFPA 1002
Airport Firefighter	NFPA 1003
N/A	NFPA 472
Hazardous Materials Technician	NFPA 472
Hazardous Materials Operations	NFPA 472
Hazardous Materials Awareness	NFPA 472
IS 100, IS 700	IS 100, IS 200, ICS 300, ICS 400, IS 700, IS 800
Rescue Technician	NFPA 1006
Santa Clara County EMT-D	National Registry EMT Program/Santa Clara County EMT-D
American Heart Association CPR/AED	American Heart
State of California Class "B" License	California State
N/A	NFPA 1033/CFSTES Equivalent
N/A	NFPA 1033/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
N/A	NFPA 1031/CFSTES Equivalent
Educational Requirements are at hire:	
Fire Chief - Bachelors in Fire Science, or Public Administration, or Business Administration	
Assistant Chief - Associates in Fire Science	
Battalion Chief - Associates in Fire Science	
Firefighter Captain - High School Diploma or GED	
Firefighter Driver - High School Diploma or GED	
The above list is not all inclusive and may be amended at any time by the NASA/CO. All other certification programs may be reviewed for equivalency and are acceptable if the NASA requirement is met.	

APPENDIX N – “FIRE PREVENTION OFFICIAL” QUALIFICATIONS

Table 1 below provides the basic qualifications that apply to all individuals employed or being considered for employment as a Fire Prevention Official:

TABLE I	
Fire Prevention Official	
	N/A NFPA 1021
	N/A NFPA 1041
Fire Inspector III or CFSTES	NFPA 1031/CFSTES Equivalent
	N/A NFPA 1001
	N/A NFPA 1002
	N/A NFPA 1003
	N/A NFPA 472
	N/A NFPA 472
	N/A NFPA 472
Hazardous Materials Awareness	NFPA 472
IS 100, IS 200, ICS 300, IS 700	IS 100, IS 200, ICS 300, ICS 400, IS 700, IS 800
	NFPA 1006
	National Registry EMT Program/Santa Clara County EMT-D
American Heart Association CPR/AED	American Heart
	California State
Fire Investigator II	NFPA 1033/CFSTES Equivalent
Fire Investigator I	NFPA 1033/CFSTES Equivalent
Plans Examiner	NFPA 1031/CFSTES Equivalent
Fire Protection Specialist	NFPA 1031/CFSTES Equivalent
Fire Prevention Officer	NFPA 1031/CFSTES Equivalent

The above list is not all inclusive and may be amended at any time by the NASA/CO. All other certification programs may be reviewed for equivalency and are acceptable if the NASA requirement is met.

APPENDIX O – DRUG TESTING AND DRUG & ALCOHOL-FREE WORKFORCE REQUIREMENTS

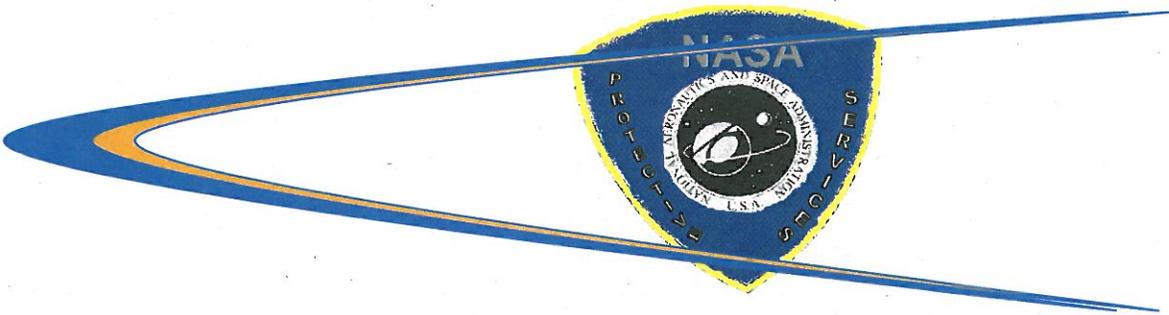
The Contractor Shall:

1. Comply with federal policies on “drug-and alcohol-free” work places as well as NASA FAR Supplement Subpart 1823.5—“Drug-Free Workplace”.
2. Institute and maintain a program for achieving a drug and alcohol-free workforce.
3. Provide, as a minimum, for pre-employment, reasonable suspicion, random, post-accident, and periodic recurring (follow-up) testing of Contractor employees in sensitive positions for use, in violation of applicable law or Federal regulation, of alcohol or a controlled substance.
4. Establish its testing or rehabilitation program in cooperation with other contractors or organizations.
5. Submit the plan for this program to the COTR for review and approval.
6. Conform to the “Mandatory Guidelines for Federal Workplace Drug Testing Programs” published by the Department of Health and Human Services (59 FR 29908, June 9, 1994) and the procedures in 49 CFR part 40, “Procedures for Transportation Workplace Drug Testing Programs,” in which references to “DOT” shall be read as “NASA”, and the split sample method of collection shall be used.

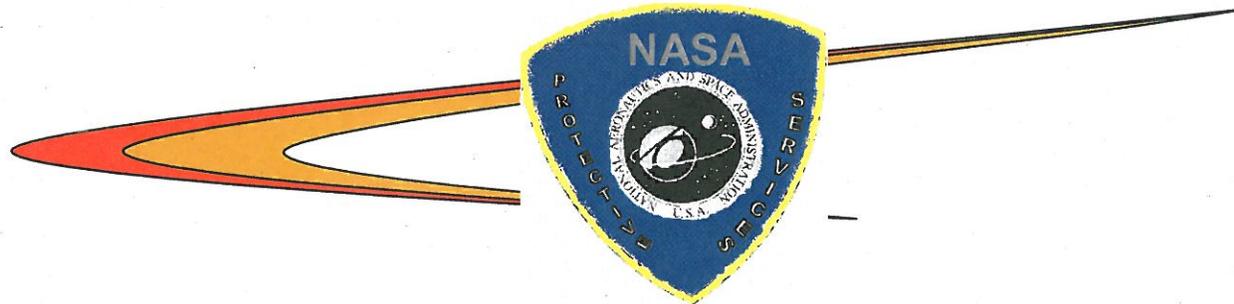
APPENDIX P – VEHICLE DECAL

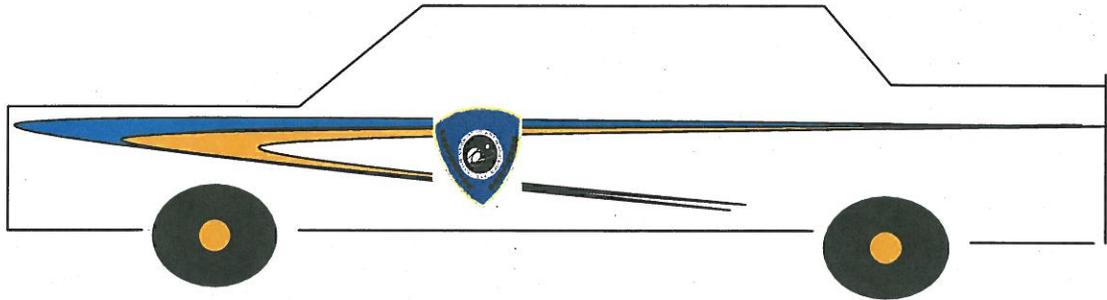
The Contractor Shall:

1. Mark vehicles used for patrol. The vehicles will be white in color and equipped with blue lights, siren, public address, basic first aid kit, vehicle fire extinguisher, radio equipment, speed detection devices, and spot/take-down lights.
2. Utilize California vehicle code standards for emergency lighting and equipment for security police vehicles and security vehicles.
3. Utilize a siren, public address system (PA) that is a minimum 100Watt three (3) tone siren, with a PA microphone. The control panel will have adjustable backlighting, with a three (3) position switch with indicator lights, and be capable of controlling the selected light bar.
4. Integrate a vehicle decal system designed by NASA which will be used to identify all first responder vehicles. The fully reflective decal system will include side and door panels, rear trunk/hatch panels, and a rear bumper panel.
5. Ensure each vehicle is individually numbered with day and night reflective markings.
6. Utilize graphic design below for all security vehicles. A shield shaped patch design will be applied in the center of this design. The actual shield graphic will be provided after contract award.



7. Utilize graphic design below for all fire vehicles. A shield shaped patch design will be applied in the center of this design. The following figure shows the location of the shield graphic. The actual shield graphic will be provided after contract award.





**APPENDIX Q-INTERNATIONAL VISIT SPECIALIST/EMPLOYEE BADGING OFFICIAL/ VISITOR
REGISTRATION SPECIALIST QUALIFICATIONS**

1. A high school diploma or General Equivalency Diploma (GED).
Ability to read and speak the English language, understand and apply written rules, directives, instruction and training material. Construct and write clear, concise, accurate and detailed reports, memos, documents, etc.
2. User level computer skills operating basic email, standard word processing, and spreadsheet software.
3. Personnel may be required to obtain and maintain a SECRET security clearance as requested.