# GENERAL

* 1. This work is to clean, inspect and restore a mobile firing range used for small weapons qualification.

# OBJECTIVE

* 1. The objective of this work will be to remove any Material Contaminated with Lead (MCL), remove lead bullets, replace air filters, and rebuild Grantex bullet trap. Once completed the range should be in a fully operational state.

# SPECIFIC REQUIREMENTS:

* 1. Workmanship and Material Standards:
		1. All work shall be completed per approved and accepted industry and equipment manufacturers’ standards and shall comply with building and safety codes, applicable activity, local, state, and federal regulations, and other technical requirements.
		2. The contractor shall not allow debris to spread unnecessarily into adjacent areas nor accumulate in the work area. All such debris, excess material, and parts shall be cleaned up and removed at the completion of the job and at the end of each day work. Upon completion of work, any stains and other unsightly marks shall be removed.
	2. Completion Days:

3.2.1. All the work shall be completed by 29 March 2024. The scheduling and the phases of work shall be closely coordinated with the Government POC after contract award. This includes all reports required in Section 7.

* 1. Key Personnel:
		1. Competent Person (CP): Shall be a person employed by the contractor who is trained in the recognition and control of lead hazards in accordance with current 29 CFR 1910 and local laws and regulations. This person shall be able to upon request present qualifications to testify to status as a competent person.
	2. Performance of Work on Government Premises: All work shall be performed during working hours; additionally the work being performed shall interfere to the least extent practicable with government operations. The contractor will be responsible for all their employees and all subcontracted personnel.

# CLEANING AND MAINTENANCE OF LEAD BULLETS AND ASSOCIATED MATERIALS

* 1. The contractor shall clean, maintain and segregate hazardous waste into appropriate material contaminated with appropriate categories as defined in the description of work at the mobile firing to ensure the firing range is ready to use.
	2. All lead bullets will be presented to CFAS Inert certifier/verifiers prior to bagging and sealing for documentation as safe purposes.

# DESCRIPTION OF WORK

* 1. General
		1. The contractor must clean the firing range floor to remove all residues. Residue from expelled primer, propellant, and rounds contain lead and is to be treated as an explosive hazardous waste. The contractor must take all the necessary safety precautions outlined in 29 CFR 1910.1025 as well as in the Japan Environmental Governing

Standards (JEGS) to protect against lead contamination, both airborne and contact. The mobile firing range is a self- contained firing range with a double HEPA filter air system.

* + 1. An HEPA rated (Minimum) Explosion proof certified vacuum must be used to remove lead dust and range residue. All residue removed from the range will be mixed with water (50/50 water/debris) double bagged and sealed. An explosion proof vacuum meeting appropriate requirements shall be provided by CFAS security for use by the contractor. All debris will be turned into CFAS security personnel for disposal.
		2. The contractor must remove rubber cover sheet and collect rubber filling materials (pellets) and lead bullets from the firing range. (Rubber filling materials and lead bullets are located under the rubber cover sheet). The rubber cover sheet will be disposed of as MCL. All lead bullets recovered shall be laid out for inspection by CFAS security inert certifier/verifiers. CFAS security Inert certifier/verifiers will ensure all bullets and brass casings are safe. Bullets once certified safe shall be bagged, sealed, and stored in proper storage area.
		3. The contractor is required to segregate lead bullets from the rubber filling materials and other waste. Debris will be accumulated in Tri-walls provided by the government. If the contractor discovers unfired ammunition, they will segregate it and immediately report their finding to the Security Range personnel for proper disposal.
		4. The contractor will contact the Security Department personnel once removal of all materials contaminated with lead is complete. Sasebo Security Department range personnel will inspect ballistic steel surfaces. Range Personnel will take detailed photographs; with depth measurements, of all noticeable deformation of ballistic steel surfaces. All data gathered will be entered into a word document and saved for reference.
		5. The contractor must collect lead-contaminated dust, waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing or rags which may produce airborne concentrations of lead particles. Label the containers in accordance with 29 CFR 1926.62. The applicable instruction can be found at: [http://www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table=STANDARDS&p\_id=10641.](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10641)

5.1.7. The contractor shall collect all presumed MCL in double plastic bags. All bagged waste shall be stored in Tri- wall containers provided by the government. The contractor shall properly label all double poly bags to identify the type of waste and the date the bags were filled. After completion of containerization and labeling, the contractor must notify one of the points of contact (POCs) of the Security Department at the HAZWASTE Center. The Security Department will turn all waste suspect of containing lead over to the appropriate department for disposal as generated with exception to range debris recovered during vacuuming due to EHW classification.

5.1.8 The contractor shall install government furnished rubber filling materials into the firing range in the original location and according to the Operations and Maintenance Manual. Approximately 115 bags (50 pounds each) will be needed for the installation. The contractor must install a minimum of 15 inches (38 cm) of material between the rubber sheet and the closest portion of the metal wall. Install ballistic gum rubber sheets with ballistic gum rubber provided by range personnel. Sound proof wall tiles will be removed and replaced as needed. Sound proofing materials will be provided by range personnel. The contractor will replace, as needed, rubber floor tiles with CFM. The contractor shall return any unused GFM, but is not responsible for replacing GFM used in performing this contract.

5.1.9 The contractor must clean the railing system for targets in the mobile firing range in accordance with Caswell Mobile Range Trailer O&M Manual. Cleaning shall be conducted by vacuuming all accessible surfaces, then wiping with a damp rag to remove any lingering dust. The rags used shall be used only once and shall be changed frequently to ensure optimum dust removal.

# GENERAL PROVISIONS

* 1. The contractor will be responsible for supplying all tools and equipment (except Explosion proof vacuum and accessories) to fulfill the requirements of this SOW and all other federal and state regulations.

# RECORDS AND REPORTS

* 1. Safety Plan: The contractor shall provide a detailed safety plan describing necessary safety measures including a Lead Compliance Plan described in Section 6 of EM 385-1-1. The contractor’s CP shall review the safety plan prior to submission. The contractors’ format for the safety plan is acceptable. The safety plan shall be submitted for review no later than 30 working days prior to start of the planned work. The government will have 10 working days to review the proposed safety plan.
		1. Personnel who must receive safety plan: Will be provided upon award
	2. Contractor Quality Control Plan (QCP): The contractor shall submit a plan detailing how their work performance will meet the objective. The contractors CP shall review the QCP prior to submission. The contractor’s format for the quality control plan is acceptable. The QCP shall be submitted to Government personnel for review no later than 30 working days prior to start of the planned work. The government will have 10 working days to review the purposed QCP.
		1. Government personnel who must receive quality control plan: Will be provided upon award
	3. Lead Work Plan: The contractor shall provide a detailed Lead Work Plan complying with EM-385-1-1 06.B.05 and 29 CFR 1910.1025. The contractors CP shall review and approve the Lead Work Plan prior to submission. The contractor’s format for the Lead Work Plan is acceptable. The lead work plan shall be submitted to Government Personnel for review no later than 20 working days prior to start of the planned work. The government will have 10 calendar days to review the purposed Lead Work Plan.
		1. Personnel who must receive Lead work plan: Will be provided upon award
	4. Work Schedule: The contractor shall provide a work schedule indicating intended progression of work. At a minimum, the schedule shall include dates, times, work description and any impacts to government operations for the surrounding area. The contractor’s format for the work schedule is acceptable. The work schedule shall be submitted for review no later than 30 working days prior to start of the planned work. The government will have 10 calendar days to review the purposed work schedule and accept the schedule.
		1. Personnel who must receive the work schedule: Wil be provided upon award

 Work Completion Report including Safety and Human Health Report: The contractor will provide a detailed report in PDF format within 15 working days of completion of work indicating the following:

* + 1. Date of completion
		2. Photos showing the work results to include, pre and post work photos, photos of noticeable pittingor deformation of ballistic steel surfaces, damage to target rails or protective ballistic plates.
		3. Replaced items and quantities. Specify if the items are Government-Furnished Material (GFM) or Contractor- Furnished Material (CFM).
		4. Number of tri-walls used to store lead-contaminated wastes.
		5. Result of sampling and testing of lead in the firing range, showing the work site is safe for entry. This should also include area samplings for areas around the Mobile range.
		6. Personnel who must receive the work completion report: Will be provided upon award

# GOVERNMENT FURNISHED MATERIALS:

* 1. Rubber filling materials (pellets)
	2. Ballistic gum rubber sheets
	3. Sound baffling tiles
	4. Exhaust prefilters
	5. Exhaust HEPA air filters
	6. Tri-wall containers to store lead contaminated waste
1. Lead sampling and warning requirements:
	1. The contractor shall provide physical boundaries around the lead controlled area by blocking off the area designated in the work plan or providing curtains, portable partitions or other enclosures to ensure that airborne concentrations of lead will not reach 30 micrograms per cubic meter of air outside of the lead controlled area. Periodic area samplings shall be taken and forwarded to Doug Hamilton, of BHC Sasebo within 3 days of testing to verify areas around the site are not exposed to excessive airborne lead concentrations at or above the action level defined in section 11 of this statement of work A minimum of one area sample is required during each phase of MCL removal (cleaning bullet trap, cleaning range floor, and replacing HEPA filters). A minimum of one personal sample is also required during each phase of MCL removal.

9.1.1 OCCUPATIONAL SAMPLING REQUIREMENTS. Sampling is required. Contractor shall submit occupational sampling results to Roy Ito, Doug Hamilton, and Michael Farkas within three working days of collection, signed by the testing laboratory responsible official, the employee that performed the sampling, and the CP.

9.1.2. Submit the name, address, and telephone number of the testing laboratory selected to perform the air and wipe and soil sampling, testing, and reporting of airborne concentrations of lead. Use a laboratory accredited under the EPA National Lead Laboratory Accreditation Program (NLLAP) or approved local equivalent. Laboratories selected to perform blood lead analysis shall be OSHA approved or local equivalent authority approved.

* 1. Provide warning signs both in English and Japanese at approaches to lead controlled areas. Locate appropriate size and number of signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. A typical warning sign is a vertical format, minimum 508 mm x 355 mm (20 by 14 inches). Spacing between two consecutive lines are/is at least equal to the height of the upper line. Display the following legend in the lower panel:

**WARNING LEAD WORK AREA POISON**

**NO SMOKING, EATING OR DRINKING**

# REFERENCES:

* 1. OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA): 29 CFR 1910 OSHA 29 CFR

1910.1025 Lead

https:/[/www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table=STANDARDS&p\_id=10030](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10030)

# OPNAVINST 5100.23G NAVY SAFETY AND OCCUPATIONAL HEALTH PROGRAM MANUAL:

Chapter 21 Lead https://doni.daps.dla.mil/Directives/05000%20General%20Management%20Security%20and%20Safety%20Service s/05- 100%20Safety%20and%20Occupational%20Health%20Services/5100.23G%20w%20CH-1.pdf

* 1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): ANSI Z88.2 (1992) RespiratoryProtection

https://archive.org/stream/gov.law.ansi.z88.2.1992/ansi.z88.2.1992\_djvu.txt

* 1. U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA): 29 CFR 1926.65 Hazardous

Waste Operations and Emergency Responsehttps://[www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table=STANDARDS&p\_id=10651](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10651)

* 1. 40 CFR 745 Lead-Based Paint Poisoning Prevention in Certain Residential Structures[.http://www.ecfr.gov/cgi-](http://www.ecfr.gov/cgi-) bin/text-idx?SID=70b89dd7a9db1369c2e233c856fb4075&mc=true&node=pt40.31.745&rgn=div5
	2. EM 385-1-1, Army Core of Engineers Publication Safety and Health Requirements Manua[lhttp://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM\_385-1-](http://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_385-1-) 1\_2008Sep\_Consolidated\_2011Aug.pdf
	3. UNDERWRITERS LABORATORIES (UL): UL 586 (1996; Rev thru Apr 2000) High-Efficiency, Particulate, Air Filter Units
	4. JAPAN ENVIRONMENTAL GOVERNING STANDARDS (JEGS): November 2010 Japan Environmental

Governing Standards <http://www.usfj.mil/Portals/80/Documents/Other/2016%20JEGS.pdf>

* 1. JAPANESE LAW: Law No. 57 (1972) Industrial Safety and Health Law (*Roudou Anzen Eiseihou*)

# DEFINITIONS:

* 1. Action Level (AL): Employee exposure, without regard to use of respirators, to an airborne concentration of lead of 30 micrograms per cubic meter of air averaged over an 8 hour period in a work environment.
	2. Area Sampling: Sampling of lead concentrations within the lead controlled area and inside the physical boundaries, which is representative of the airborne lead concentrations but is not collected in the breathing zone of personnel.
	3. Competent Person (CP): As used in this Statement of Work (SOW), refers to a person employed by the Contractor who is a subject matter expert in related fields, trained in the recognition and control of lead/explosive hazards in accordance with current 29 CFR 1910 and local laws and regulations.
	4. Contaminated Room: Refers to a room for removal of contaminated personal protective equipment (PPE).
	5. High Efficiency Particulate Air (HEPA) Filter Equipment: HEPA filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining lead-contaminated particulate. A high efficiency particulate filter means 99.97 percent efficient against 0.3 micron or larger size particles.
	6. Lead: Metallic lead, inorganic lead compounds, and organic lead soaps.
	7. Lead Controlled Area: A system (control methods) to prevent the spread of lead dust, paint chips or debris to adjacent areas that may include temporary containment, floor or ground cover protection, physical boundaries, and warning signs to prevent unauthorized entry of personnel. HEPA filtered local exhaust equipment may be used as engineering controls to further reduce personnel exposures or building/outdoor environmental contamination.
	8. Lead Permissible Exposure Limit (PEL): Fifty micrograms per cubic meter of air as an 8 hour time weighted average as determined by OSHA. If an employee is exposed for more than eight hours in a workday, the PEL shall be determined by the following formula:
		1. PEL (micrograms/cubic meter of air) = 400/No. hrs worked per day
	9. Material Containing Lead (MCL): Any material which contains lead as determined by the testing laboratory using a valid test method. The requirements of this section does not apply if no detectable levels oflead are found using a quantitative method for analyzing material contaminated with lead using laboratory instruments with specified limits of detection (usually 0.01%). An X-Ray Fluorescence (XRF) instrument is not considered a valid test method.
	10. Personal Sampling: Sampling of airborne lead concentrations within the breathing zone of an employee to determine the 8 hour time weighted average concentration in accordance with 29 CFR 1910.1025.. Samples shall be representative of the employees' work tasks. Breathing zone shall be considered an area within a hemisphere, forward of the shoulders, with a radius of 150 to 225 mm (6 to 9 inches) and centered at the nose or mouth of an employee.
	11. Physical Boundary: Area physically roped or partitioned off around an enclosed lead controlled area to limit unauthorized entry of personnel. As used in this section, "inside boundary" shall mean the same as "outside lead controlled area but inside the physical boundary."
	12. Government Furnished Material (GFM): Any material provided by the government for use by the contractor, this includes consumable and non-consumable materials
	13. Contractor Furnished Material (CFM): Any material provided by the contractor for use during the fulfillment of this SOW
	14. Explosive Hazardous Waste (EHW): Any ignitable material that presents an explosive hazard.

# TECHNICAL REQUIREMENTS

* 1. Energy Conservation
		1. The contractor shall instruct its employees and subcontractors in utilities conservation practices and shall operate in ways that prevent the waste of utilities. The contractor is subject to Navy and Activity guidelines and shall cooperate with Activity energy conservation initiatives. Contractor shall implement conservation programs to ensure that the utilities used by Contractor personnel are the minimum necessary to carry out the requirements of this contract.
	2. Safety and Occupational Health (SOH) Program Requirements:
		1. The contractor shall ensure a safe and healthful workplace is provided for its employees and ensure that SOH regulations are being followed particular to their work areas and work processes. The contractor shall ensure that its employees wear required and appropriate personal protective equipment (PPE) and clothing, are familiar with all relevant emergency procedures, have access to a telephone and telephone numbers, including emergency telephone numbers, Commander Fleet Activities Sasebo (CFAS) facilities where work is performed.
		2. SOH Compliance: The contractor must comply with all applicable SOH requirements, including anylocal instructions. Particular attention should be paid to the Navy Occupational Safety and Health (OSH) Program Manuals, OPNAVINST 5100.23 (series), U.S. Army Corps of Engineers Safety and Health Manual EM-385-1-1, NAVFAC P-307, P-300, NAVSEA OP SWO 23, and other related instructions, regulations that pertain to worker safety.
		3. SOH INSPECTIONS: The contractor workspaces/work processes may be inspected periodically by SOH representatives for potential SOH non-compliance. The contractor shall provide assistance to the Navy SOH representative escorting the inspectors, as required. If the contractor receives a notice of non-compliance, the contractor is responsible for abatement action and any monetary penalty that may be assessed.
		4. REPORTING OF UNSAFE OR UNHEALTHFUL WORK CONDITIONS. The contractor shall comply with OSHA, Navy, and other regulatory agency requirements for record-keeping and reporting of all incidents. The contractor shall report any injury, occupational illness, or property damage to the designated government representative and the Contracting Officer immediately. The contractor shall record and report immediately to the designated government representative and the Contracting Officer observations of unsafe or unhealthful working conditions and abatement actions to the Navy activity Safety Representative. Copies of all accident reports shall be provided to the designated government representative and the Contracting Officer.
	3. PRE-PERFORMANCE CONFERENCE. The contractor along with the CP will meet with the government representatives, to discuss in detail the material containing lead collection and control plan, including work procedures and precautions for the plan.
	4. EMERGENCY MEDICAL RESPONSE. Emergency medical response is available at the Sasebo Naval Station by this performance work statement, to contractor employees who suffer on the job injury. Prior to work performance at the work site, the contractor shall verify the correct emergency response number and procedures at the work site. The employee may be billed, if non-governmental ambulance services are required to haul injured employee, such as when Advance Life Support is required.

# QUALITY PROGRAM

* + 1. Contractor Quality Program: The contractor shall establish and maintain a Quality Program for review by the government for compliance with the performance work statement. The contractor shall submit with its proposal a comprehensive Quality Control Plan that supports the outcome(s) stated in the performance work statement.
		2. Scope of the Quality Plan. Contractor shall implement a quality program aimed at achieving high, and increasing levels of Supported Command satisfaction and to ensure quality services and products are delivered consistently. Requirements shall include developing, reviewing, documenting and maintaining policies and procedures where the absences of such procedures could result in product non-conformity or inconsistent quality. All policies and procedures shall be effectively communicated and understood throughout the Contractor’s organization. Periodic self-checks and internal reviews shall be performed to verify adherence to established policies and procedures. Quality records of all processes, policies, procedures, changes and reviews are continuously updated and maintained to allow easy access for review by the Production Officer. All issues resulting from product or service non-conformance or Supported Command complaint shall be documented, analyzed and reviewed to ensure root cause is addressed and systematic problems are resolved effectively. All new, outstanding and resolved issues

are reviewed by the Contractor’s management staff on a quarterly basis to ensure the goals of the quality control system are achieved. A file of all Quality Control audits and inspections both performed and scheduled including results, dates, and details of corrective actions taken, shall be maintained by the Contractor through the term of this contract.

* 1. FACILITIES & UTILITIES. The government will have restroom facilities available to the contractor personnel during the delivery and installation process. In addition, 115V 50Hz electrical outlets will be available for tools that require electricity or are in need of charging.

# MATERIALS & EQUIPMENT

* + 1. The contractor shall furnish appropriate respirators approved by the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services, or respirators accredited by the Government of Japan, for use in atmospheres containing lead dust.
		2. The contractor shall furnish personnel who will be exposed to lead-contaminated dust with proper disposable protective whole body clothing, head covering, gloves, and foot coverings as required by 29 CFR 1910. Furnish proper disposable plastic or rubber gloves to protect hands. Reduce the level of protection only after obtaining approval from the CP.
	1. HOUSEKEEPING. The Contractor shall remove all waste with exception to MCL generated in the performance of this PWS. MCL disposal shall be the responsibility of the government.
	2. RECORDS, DOCUMENTS AND WORK PAPERS. None provided.
	3. CONTRACTOR’S FIELD OFFICE. None provided.

# CONTRACTOR PERSONNEL

* 1. When performing work associated with this performance work statement, the contractor shall make clear to all individuals they deal with that theyare contractor employees and not DOD personnel when working in any situation where their contractor status is not obvious to third parties. The contractor employees shall clearly identify themselves as a contractor (i.e. company shirt, pin, visible company identification, etc.) in a visible location as to who their employer is, to avoid creating an impression that they are government officials. All contractor produced documents, and/or reports, shall be suitably marked as contractor products or that contractor participation is appropriately disclosed.

# BASE ACCESS

* 1. Installation will occur on a U.S. military installation. The contractor personnel or any representative of the contractor entering CFAS Naval Base shall abide by all security regulations imposed by the Installation Commander at all times and shall be subject to security checks. The contractor personnel and property may be subject to search and seizure upon entering, while on, and upon leaving the confines of the CFAS Naval Base.
	2. Since contracted organizations periodically subcontract work to other organizations on short notice, selected personnel can request to have an “ESCORT” pass which will allow them to escort up to 10 individuals at a time. It is the contractor’s responsibility to ensure that the escorting official has full control over all escorted individuals at all times. Any individual found on the installation unescorted will be removed from the installation and the escort official’s escorting privileges will be immediately withdrawn. Any individual removed from these installations will not be authorized further access to this installation. The approximate time to obtain a base access pass is roughly three working days with escort and 7 working days without escort. The approximate time to obtain an Escort Pass is three to four months. The contractor shall provide all applicable documents with sufficient time and cause little to no delay to complete actions outlined within the performance work statement.
	3. Personnel from countries restricted from accessing United States Forces Japan (USFJ) installations as listed in USFJ Instruction 31-204 (DTCNs), are not authorized access without prior screening by the Naval Criminal Investigative Service (NCIS) and subsequent approval of CFAS Commanding Officer (or Delegate).
	4. If the contractor utilizes a rental vehicle, the authorized driver must provide the associated rental contract. Vehicles shall be owned, operated, and maintained in accordance with all local laws. No contractor personnel shall be allowed to operate a privately owned vehicle (POV) on CFAS Naval Base property other than for entering and leaving.

# HOURS OF OPERATION

* 1. The contractor shall contact the Government representative at least thirty working days prior to on-site installation to coordinate installation days and hours. The normal government hours of operation are 0800 – 1630 hours, Monday through Friday and exclude Federal Holidays. The government will consider extended working hours and performance of this work beyond normal working hours, and encourages efforts to minimize total duration of the installation and impact to operations. If the contractor desires to change scheduled working hours, a written request indicating the changed hours and days of desired work shall be submitted to government representatives three (3) working days in advance.

1. GOVERNMENT POINT OF CONTACT

16.1 REQUIRING ACTIVITY POC (Security Dept., CFAS): Will be provided upon award

16.2 CONTRACTING POC (Sasebo Contracts Div., Contracting Dept., NAVSUP FLC)

<Contract Specialist>

Name: Fumika Yamasaki, Ms.

TEL: 0956-50-2851

E-mail: Fumika.yamasaki2.ln@us.navy.mil

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Name: Hiromi Kurita, Ms.

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