

PERFORMANCE WORK STATEMENT (PWS)

CESPK-PDR

10 December 2021

PROJECT: Updated UTTR Range Management Plan Environmental Assessment (EA) With Air Quality and Noise Analysis Support

LOCATION: Utah Test and Training Range (UTTR)
Hill Air Force Base, Utah

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PART 1

GENERAL INFORMATION

- 1.0 General:** This is a non-personal service, Firm Fixed-Price Performance-Based contract to provide Environmental Services, including noise analysis and modeling services, in support of an Environmental Assessment (EA) for the U.S. Air Force (USAF) addressing updated operations of the Utah Test and Training Range (UTTR, Installation) supported by Hill Air Force Base (Hill AFB), Utah. This contract will be managed by the U.S. Army Corps of Engineers, Sacramento District (USACE) Contracting Office and assigned Contracting Officer (KO). The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the primary Contractor who, in turn, is responsible to the Government.
- 1.1 Description of Services/Introduction:** The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the environmental support services as defined in this Performance Work Statement (PWS) except for those items specified as Government furnished property and services. The Contractor shall perform to the standards in this contract.
- 1.2 Background:** The EA shall provide sufficient, documented information to analyze potential environmental impacts associated with an updated Range Management Plan for the UTTR. Additionally, the airspace over the UTTR spans a large area across Utah and into Nevada, covering a number of small communities (Technical Exhibit 5 - UTTR Airspace Chart). While a smaller, site-specific noise study was accomplished in 2016 to establish the LUCIN D/E in accordance with the Federal Aviation Administration (FAA), a full Installation noise impact analysis, including an updated noise contour, with associated noise modeling operational data documentation (NMODD) packages, will be incorporated into the evaluation of the associated airspace, including ground and air operations, in order to meet National Environmental Policy Act (NEPA) requirements.
- 1.3 Objectives:** The primary objectives associated with this PWS are:
- Complete an EA to evaluate potential environmental impacts of the proposed project.
 - Complete a noise analysis and any required modeling, including updated noise contour with associated NMODD, for the proposed updated UTTR Range Management Plan in support of the EA.
 - Complete an air quality analysis utilizing the USAF Air Conformity Applicability Model (ACAM).
 - Prepare a Finding of No Significant Impact (FONSI), Finding of No Practicable Alternative (FONPA), or Notice of Intent (NOI) to complete an Environmental Impact Statement (EIS) depending on results of the assessment.
 - Provide recommendations for mitigation measures to minimize impacts to less than significant (incorporated as part of the EA document).
- 1.4 Scope: Environmental Assessment:** The Contractor shall provide services for the completion of the Air Force Environmental Impact Analysis Process (EIAP) per 32 CFR 989 and all other pertinent requirements in support of the updated Range Management Plan for the UTTR, as detailed in Part 5. The Contractor shall also complete an associated noise analysis and air quality analysis to support the preparation of the EA. The NMODD shall provide all the information needed to duplicate any noise analysis. The ACAM shall assist in the air quality analysis.
- 1.5 Period of Performance:** The period of performance shall be for twelve (12) months from the date of award. In the event unforeseen delays occur that are beyond the control of the Contractor (e.g. regulatory constraints, military missions); the Contractor shall submit a request for a change in

schedule for review by the USACE Contracting Officer (KO), Project Manager (PM), Tech Lead, and the UTTR Technical Representative.

1.6 General Information:

1.6.1 Place of Performance: The work being performed by this contract will support proposed activities at the UTTR. No field work or site visits will be required to complete the proposed tasks, though may be accommodated only if necessary; All data should be able to be collected via other avenues. If site visits are needed, coordination with the UTTR Technical Representative will be required with a minimum of three weeks' notice of anticipated dates.

1.6.2 Type of Contract: The Government will award a Firm Fixed-Price Performance-Based contract for the services described herein.

1.6.3 Hours of Operation: The Contractor is responsible for conducting business between the hours of 0700 to 1700 MST Monday thru Friday except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. For other than Firm Fixed-Price contracts, the Contractor will not be reimbursed when the Government facility is closed for the above reasons. The Contractor must, at all times, maintain an adequate workforce for the uninterrupted performance of all tasks defined within this PWS when the Government facility is not closed for the above reasons. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce are essential.

1.6.4 Recognized Holidays: The following holidays are recognized as Federal holidays and Government offices will not be open:

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

1.6.5 Quality Control: The Contractor shall develop and maintain an effective Quality Control Program (QCP) to ensure services are performed in accordance with this PWS. The Contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The Contractor's QCP is the means by which they assure themselves that their work complies with the requirement of the contract. The Contractor shall provide the KO a copy of the QCP upon request. After acceptance of the QCP the Contractor shall receive the KO's acceptance in writing of any proposed changes to their QC system.

1.6.6 Quality Assurance: The Government shall evaluate the Contractor's performance under this contract in accordance with the performance requirements specified in Technical Exhibit 1.

1.6.7 Special Qualifications and Contractor Expertise: The Contractor is responsible for ensuring all employees possess and maintain current training and certification requirements. The Contractor shall provide the necessary personnel and equipment to successfully execute this contract within the period of performance. Key Contractor personnel with demonstrated and relevant UTTR experience shall be identified. The Contractor shall be responsible for determining the requirements for licensed professionals and certifications. The proposed action involves a military installation with operational and safety requirements for various activities.

Personnel working on field tasks for this contract should have demonstrated experience working at the UTTR to understand the hazards associated with the Installation.

The Contractor shall notify the COR of any changes in key personnel. The change of key personnel is subject to approval by the KO. Replacements, if approved, shall be equal to or exceed the personnel qualifications of the personnel originally proposed.

1.6.8 Key Personnel: The follow personnel are considered key personnel by the Government:

1.6.8.1 Project Manager. The Contractor shall provide a PM, who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the Contractor when the PM is absent shall be designated in writing to the KO, Tech Lead, and the HQ UTTR Technical Representative. The PM or alternate shall have full authority to act for the Contractor on all contract matters relating to daily operation of this contract. The PM or alternate shall be available between 0700 and 1700 MST, Monday thru Friday except Federal holidays or when the Government facility is closed for administrative reasons.

1.6.8.2 Environmental Scientist. Environmental Scientists assigned to the contract shall have a minimum of a Bachelor of Science (B.S.) degree with five (5) years of related experience in environmental compliance and the NEPA process. Personnel with a Master of Science (M.S.) degree shall have a minimum of three (3) years related experience. The names of personnel completing the work shall be designated in writing to the KO, Tech Lead, and the HQ UTTR Technical Representative.

1.6.8.3 Archeologist. The Contractor shall provide an Archaeologist who meets the Secretary of the Interior Standards for the Professional Archaeologist, including a graduate degree in archaeology or anthropology, and has at least three (3) years professional experience. The archaeologist shall have professional experience with cultural resource surveys, and cultural resource management and conservation expertise in Rocky Mountain regions. Experience in other regions is valued and will also be taken into consideration. The names of personnel completing the work shall be designated in writing to the KO, Tech Lead, and the HQ UTTR Technical Representative.

1.6.9 Identification of Contractor Employees: All contract personnel attending meetings, answering Government telephones, and working in other situations where their contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. They must also ensure that all documents or reports produced by Contractors are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.

1.6.10 Post Award Conference/Periodic Progress Meetings: The Contractor agrees to attend any post award conference, including kick-off meeting, convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation (FAR) Subpart 42.5. The KO, PM, Tech Lead, the HQ UTTR Technical Representative, and other Government personnel, as appropriate, may meet periodically with the Contractor to review the Contractor's performance. At these meetings the KO will apprise the Contractor of how the Government views the Contractor's performance and the Contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the Government.

1.6.11 Phase In/Phase Out Period: Not Applicable

1.6.12 Contractor Travel: Contractor is not expected to travel CONUS during the performance of this contract. However, should travel become necessary, the Contractor will be authorized travel expenses where applicable and consistent with the substantive provisions of the Joint Travel Regulation (JTR) and the limitation of funds specified in this contract. All travel requires Government approval/authorization and notification to the KO.

1.6.13 Other Direct Costs: This category includes travel (outlined in 1.6.12 and 6.1), reproduction, and shipping expenses.

- 1.6.14 Data Rights:** The Government has unlimited rights to all documents/material produced under this contract. All documents and materials, to include the source codes of any software, produced under this contract shall be the property of the Government with all rights and privileges of ownership/copyright belonging exclusively to the Government. These documents and materials may not be used or sold by the Contractor without written permission from the KO. All materials supplied to the Government shall be the sole property of the Government and may not be used for any other purpose. This right does not abrogate any other Government rights.
- 1.6.15 Organizational Conflict of Interest:** Contractor and subcontractor personnel performing work under this contract may receive, have access to or participate in the development of proprietary or source selection information (e.g., cost or pricing information, budget information or analyses, specifications, or work statements, etc.) or perform evaluation services which may create a current or subsequent Organizational Conflict of Interests (OCI) as defined in FAR Subpart 9.5. The Contractor shall notify the KO immediately whenever it becomes aware that such access or participation may result in any actual or potential OCI and shall promptly submit a plan to the KO to avoid or mitigate any such OCI. The Contractor's mitigation plan will be determined to be acceptable solely at the discretion of the KO and in the event the KO unilaterally determines that any such OCI cannot be satisfactorily avoided or mitigated, the KO may affect other remedies as he or she deems necessary, including prohibiting the contractor from participation in subsequent contracted requirements which may be affected by the OCI.
- 1.6.16 Notification Requirements:** The Contractor is required to notify the KO and Contracting Office Representative (COR) of critical issues that may affect the contract performance and/or human health and the environment. On critical issues, verbal notification should be made immediately to the KO, followed by written notification as soon as practical.
- 1.6.17 Security Requirements:** In the event of a site visit, the Contractor shall obtain visitor passes (used by both prime Contractor and subcontractor staff) during the duration of the visit. Notification of acquiring visitor passes will be requested through HQ UTTR three weeks prior to anticipated visit. All passes shall be returned to the HQ UTTR or designate upon expiration of the badge, upon completion of the project, or when possession of the badge is no longer necessary (e.g., upon removal of contracted personnel from specific projects). The Contractor shall verify that identification credentials presented by all Contractor and subcontractor employees to obtain security passes or decals used during the duration of this contract are current and correct.
- 1.6.17.1 Physical Security:** The Contractor shall be responsible for safeguarding all Government equipment, information and property provided for Contractor use. At the close of each work period, Government facilities, equipment, and materials shall be secured.
- 1.6.18 No Smoking Policy:** Except in designated smoking areas. This applies to existing buildings, buildings under construction and buildings under renovation. Discarding tobacco materials other than into designated tobacco receptacles is considered littering and is subject to fines.
- 1.6.19 Safety:**
- 1.6.19.1 U.S. Army Corps of Engineers' Safety and Health Requirements Manual, EM 385-1-1, and OSHA Requirements:** The Contractor will be required to comply with all pertinent provisions of the latest version of the USACE Safety and Health Requirements Manual, EM 385-1-1 in effect on the date of the contract award. EM 385-1-1 and its changes are available at:
<http://www.publications.usace.army.mil/USACE-publications/Engineer-Manuals/>.
The Contractor must also comply with Occupational Safety and Health Act (OSHA) standards. OSHA standards are subject to change. It is the Contractor's responsibility to maintain familiarity with current OSHA standards.

1.6.19.2 Zero Accident Program: The Sacramento District, in its continual pursuit of excellence in safety has established a goal of zero contractor injuries. To attain this goal, it will be necessary for the Contractor management personnel to communicate to the workers an expectation of zero injuries; that it is no longer acceptable to take chances that shortcuts taken because of laziness or even while trying to do an efficient job are no longer welcomed; that praise for shortcuts or chance-taking will not exist. It is imperative that Contractor management clearly sets forth the expectation for zero injuries so that the workers can begin to believe that the company is truly serious about safety. From the standpoint of worker psychology, zero is the only supportable goal. In attaining zero-injury performance, there is no substitute for the concept of setting and communicating safety performance expectations to the workers.

1.6.19.3 COVID-19: The Contractors shall note, due to COVID-19 restrictions, access to project sites could potentially be delayed. Contractors are required to adhere by the current guidance available from the Center for Disease Control (CDC), applicable State of Utah orders, and HQ UTTR restrictions. **Add new contracting COVID clause**

PART 2

DEFINITIONS & ACRONYMS

2.0 Definitions and Acronyms:

2.1 Definitions:

- 2.1.1 Contractor:** A supplier or vendor awarded a contract to provide specific supplies or service to the Government. The term used in this contract refers to the prime.
- 2.1.2 Contracting Officer (KO):** A person with authority to enter into, administer, and or terminate contracts, and make related determinations and findings on behalf of the Government. Note: The only individual who can legally bind the Government.
- 2.1.3 Contracting Officer's Representative (COR):** An employee of the U.S. Government appointed by the KO to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.
- 2.1.4 Defective Service:** A service output that does not meet the standard of performance associated with the Performance Work Statement (PWS).
- 2.1.5 Deliverable:** Anything that can be physically delivered, though may include non-manufactured things such as meeting minutes or reports.
- 2.1.6 Key Personnel:** Contractor personnel that are evaluated in a source selection process and that may be required to be used in the performance of a contract by the Key Personnel listed in the PWS. When Key Personnel are used as an evaluation factor in best value procurement, an offer can be rejected if it does not have a firm commitment from the persons that are listed in the proposal.
- 2.1.7 Physical Security:** Actions that prevent the loss or damage of Government property.
- 2.1.8 Quality Assurance (QA):** The Government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.
- 2.1.9 Quality Control (QC):** All necessary measures taken by the contractor to assure that the quality of an end product or service shall meet contract requirements.
- 2.1.10 Quality Control Program (QCP):** Contractor's QCP is the means by which they assure themselves that their work complies with the requirement of the contract.
- 2.1.11 Subcontractor:** One that enters into a contract with a prime Contractor. The Government does not have privity of contract with the subcontractor.
- 2.1.12 Work Day:** The number of hours per day the Contractor provides services in accordance with the contract.
- 2.1.13 Work Week:** Monday through Friday, unless specified otherwise.

2.2 Acronyms:

AAM	Advanced Acoustic Model
ACAM	Air Conformity Applicability Model
AFCEC	Air Force Civil Engineer Center
AICUZ	Air Installation Compatible Use Zone
AFI	Air Force Instruction
AFH	Air Force Handbook
APP	Accident Prevention Plan
BA	Biological Assessment
CDC	Center for Disease Control
CEG	Civil Engineer Group
CEIEA	75 th Civil Engineer Squadron, Installation Management Flight, Natural Resources Management
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CMR	Contractor Manpower Reporting
CONUS	Continental United States (excludes Alaska and Hawaii)
COR	Contracting Officer Representative
COTR	Contracting Officer's Technical Representative
CUI	Controlled Uncontrolled Information
DNL	Day-Night Average A-weighted sound level
DOPAA	Description of Proposed Action and Alternatives
EA	Environmental Assessment
EIAP	Environmental Impact Analysis Process
EIS	Environmental Impact Statement
FSC	Federal Service Code
FY	Fiscal Year
DOD	Department of Defense
DoDI	DoD Instruction
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FGDB	File Geodatabase
FONSI	Finding of No Significant Impact
FONPA	Finding of No Practicable Alternative
GHG	Greenhouse Gas
HAFB	Hill Air Force Base
HQ	Headquarters
ICRMP	Integrated Cultural Resources Management Plan
IICEP	Interagency and Intergovernmental Coordination for Environmental Planning
INRMP	Integrated Natural Resources Management Plan
JOG	Joint Operational Graphic
JTR	Joint Travel Regulation
KO	Contracting Officer
LOE	Level of effort
MILCON	Military Construction
MST	Mountain Standard Time
NEPA	National Environmental Policy Act of 1969
NGA	National Geospatial-Intelligence Agency
NHPA	National Historic Preservation Act
NMODD	Noise Model Operational Data Documentation
NOA	Notice of Availability
NOI	Notice of Intent
OCI	Organizational Conflict of Interest
OSHA	Occupational Safety and Health Act
PBA	Performance-based Acquisition

POC	Point of Contact
PM	Project Manager
PWS	Performance Work Statement
QA	Quality Assurance
QC	Quality Control
QCP	Quality Control Program
RFP	Request for Proposal
RNM	Rotorcraft Noise Model
ROI	Region of Influence
SHPO	State Historic Preservation Office
SPK	Sacramento District USACE
SPSFIE	Spatial Data Standards for Facilities, Infrastructure, and Environment
TE	Technical Exhibit
UIC	Unit Identification Code
USACE	U.S. Army Corps of Engineers
USAF	U.S. Air Force
USFWS	U.S. Fish and Wildlife Service
UTM	Universal Transverse Mercator
UTTR	Utah Test and Training Range

PART 3

GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

3.0 Government Furnished Items and Services:

3.1 Services: None

3.2 Facilities: None

3.3 Utilities: None

3.4 Equipment: None

3.5 Materials: The Government will make accessible to the Contractor all previous developed reports and studies as well as historic documents necessary to complete this project.

PART 4

CONTRACTOR FURNISHED ITEMS AND SERVICES

4.0 Contractor Furnished Items and Responsibilities:

4.1 General: The Contractor shall furnish all supplies, equipment, facilities, and services required to perform work under this contract that are not listed under Part 3 of this PWS.

4.2 Secret Facility Clearance: Not Applicable.

4.3 Materials: The Contractor shall furnish all materials and supplies necessary to meet the requirements under this PWS except as provided under Part 3.0.

4.4 Equipment: The Contractor shall furnish all equipment necessary to meet the requirements under this PWS except as provided under Part 3.0.

4.5 Government Safety Requirements: The Contractor shall conduct all activities in accordance with USACE safety requirements; PWS 1.6.19. The Contractor needs to be aware that if a site visit is required that they will be visiting an active bombing range and safety and understanding of this work environment need to be taken into consideration. Personnel coming to the UTTR or working on this project should have an understanding of the issues pertaining to work on an active bombing range.

4.6 Air Quality Calculations: The Contractor shall be responsible for performing all air quality calculations required in the preparation of the EA utilizing the USAF ACAM.

4.7 Noise Analysis: The Contractor shall be responsible for performing all noise calculations required in the preparation of the EA utilizing the NMODD.

4.8 Contractor Manpower Reporting (CMR): The Contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for USACE via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address www.ecmra.mil.

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year.

Contractors may direct questions to the help desk at: dod.ecmra.support.desk@mail.mil.

Contractor User Guide is available at <https://www.ecmra.mil/help/help.html>.

PART 5

SPECIFIC TASKS

5.0 Specific Tasks:

Basic Services: The Contractor shall provide all qualified personnel, management, supervision, materials, and other items and non-personal services necessary to perform the EA in accordance with the EIAP, and associated noise impact analysis with any accessory modeling as required for the EA, as defined in this PWS. No work shall be accomplished beyond what is specified in this PWS unless specifically directed by the KO.

The EA and subsequent FONSI or FONPA will be conducted in completion of the EIAP as specified by 32 CFR 989. The EA shall be completed to support the UTTR updated Range Management Plan (RMP). The Contractor shall assume average document review, and appropriate QA/QC for all deliverables. The EA shall be prepared using existing data from the proponent and the installation, except for the noise analysis, to include applying the updated RMP draft DOPAA for the UTTR. The text of the EA itself (not counting appendices, etc) will not exceed 75 pages as required by the Council on Environmental Quality (CEQ) guidance issued in July 2020.

The Contractor shall conduct all tasks necessary to complete an EA in support of project requirements. Base task activities include, but are not limited to:

- Identify Key Stakeholders and Create a Point of Contact (POC) list for government review
- Environmental Planning/Consultation Coordination Planning:
 - Support the preparation of interagency and intergovernmental coordination letters for agency scoping and public notice of availability.
 - Support the preparation of invitation letters for cooperating agencies, if applicable (Note that submittal of agency coordination letters and cooperating agency invitation letters does not fulfill consultation requirements).
 - Support the preparation of Section 106 informal consultation letters with appropriate State Historic Preservation Office (SHPO) and, if necessary, formal consultation letters.
 - Support the preparation of Section 7 informal consultation letters with appropriate U.S. Fish and Wildlife Service (USFWS) office, and, if necessary, formal consultation letters.
 - Assist in the preparation of government-to-government consultation letters with Federally recognized tribes, as necessary and document any follow up attempts made by the USAF (e.g., emails, telephone calls, and personal meetings).
 - Upon USAF review and signature, the Contractor shall prepare agency coordination and consultation letters. These letters shall be packaged on USAF letterhead and signed by the appropriate USAF signature authority. **Email packages are preferred.** Letter by mail will be dependent on Agency request. In the event of a hard copy mailing, the Contractor shall then send the signed letters as registered mail, requiring read receipts. The Contractor shall be responsible for tracking the registered mail receipt of the letters.
 - Where applicable, the USAF shall provide responses to coordination and consultation letters to the Contractor and the Contractor will be responsible for drafting the letter.
- The Contractor shall properly evaluate current / baseline conditions and predict potential positive and negative impacts of the Proposed Action(s) and alternatives for the following resource areas (as applicable):
 - Airspace
 - Air Quality & Climate Change

- Noise / Acoustic Environment (including input from the Noise Analysis task)
 - Cultural, Archaeological, and Historic Resources
 - Biological / Natural Resources
 - Floodplains and Wetlands
 - Surface Water Resources (quantity and quality)
 - Soils, Geology, and Hydrogeology (Earth Resources)
 - Hazardous, Toxic, and Radioactive Materials and Waste
 - Military Munitions
 - Land Use
 - Infrastructure and Utilities
 - Socioeconomics
 - Environmental Justice
 - Safety and Occupational Health
 - Greenhouse Gasses
 - Other resource areas as appropriate
- The Contractor shall conduct a cumulative environmental impact analysis for known past, current and reasonably foreseeable projects in the Region of Influence (ROI) (including projects associated with Non-USAF proposals) for resources carried forward for detailed analysis.
 - Documentation to be prepared shall include, but is not limited to:
 - Preliminary Draft EA (PDEA)
 - Draft EA (DEA)
 - Preliminary Final EA and Finding of No Significant Impact (PFEA and FONSI)
 - Final EA and Finding of No Significant Impact (FEA and FONSI)
 - Administrative Record

5.1 BASE TASK 1 – PROJECT MANAGEMENT

Subtask 5.1.1 Kick-Off Meeting / Progress Meetings:

The Contractor shall attend a Project kick-off teleconference meeting within 15 days of contract award to discuss requirements and expectations. Meeting minutes shall be submitted within three (3) business days after completion of the kick-off meeting.

The Contractor shall produce project documentation including meeting summaries for meeting. Meeting minutes will include meeting attendees, decisions made, action items per POC.

Subtask 5.1.2 Progress Reports, Schedule, and Invoices:

The Contractor shall provide monthly progress reports and invoices. These progress reports will describe the work performed the previous month, the work efforts anticipated for the upcoming month, problems encountered, and resolutions implemented, and the overall percent completion of the project (if required) and will be used to evaluate the associated invoice. Invoice payments shall be submitted by the 10th of each month and include all necessary information and will be prepared in accordance with the milestone/activity schedule approved by the Government.

The Contractor shall prepare a Draft EA schedule for discussion during the project kick-off meeting and provide a Final EA schedule incorporating government comments no later than 10 business days after the meeting.

Subtask 5.1.2.1 Monthly Schedules:

The Contractor shall provide an updated schedule attached to monthly coordination meeting invite. The schedule will have the most recent changes highlighted in red. The schedule will state if there are no changes to update as well.

Subtask 5.1.3 Coordination Meetings/Teleconferences:

The Contractor shall coordinate (e.g., provide call-in services, coordinate schedules) and participate in project coordination review meetings / teleconferences at least once (1+) per month to discuss project scoping, contract issues/concerns, progress reviews, technical project issues/concerns, and general information exchange concerning current and future activities. The Contractor shall prepare the agenda, minutes, and presentation materials for meetings attended.

Subtask 5.1.4 Interagency and Intergovernmental Coordination:

The Contractor shall assist the HQ UTTR in consultations with regulatory agencies by assisting with preparation and distribution of Interagency and Intergovernmental Coordination for Environmental Planning (IICEP) letters for the Draft EA (public notice). The EIAP manager will provide the Contractor with a standard USAF letter format, with the appropriate base level signature block. The Contractor shall provide in electronic format the draft letter for IICEP coordination. Each letter shall be addressed to the respective IICEP recipient and incorporate comments from the installation. The HQ UTTR will print the letters on USAF letterhead and submit them to the signature authority. Upon completion of the signature process, HQ UTTR will return the letters to the Contractor. The Contractor, upon notification by HQ UTTR, shall mail the IICEP letter to each recipient. The Contractor shall use certified return receipt to confirm receipt by the IICEP recipient. The Contractor shall support preparation of consultation letters in a similar manner as that stated for IICEP letters. The Contractor shall Not contact any parties in an official capacity without the coordination with the HQ UTTR or Government representatives.

Subtask 5.1.4.1 Regulatory and Professional Interface:

The Contractor shall assist with oral/written interactions with interested parties related to the project, including other government agencies, regulatory agencies, and other Contractors. Consultation requirements per the National Historic Preservation Act (NHPA) and regulations ("Section 106") or the Endangered Species Act ("Section 7") or tribal coordination ARE NOT satisfied by sending IICEP letters. As necessary, the Contractor shall support such consultation and coordination efforts in order to appropriately execute the EA. The Contractor shall also provide recommendations on protective measures, permits, etc., if required. Forums may include administrative proceedings, judicial proceedings, formal meetings, or informal meetings. Requirements include, but are not limited to, presentation materials, agendas, minutes, publications, news releases, public notices, and the maintenance of mailing lists. In addition, all letters written by the Contractor must be provided to the Government in electronic format (Microsoft Word). All letters are required to be on USAF letterhead and have an appropriate USAF representative signature before mailings.

5.2 BASE TASK 2 – DATA COLLECTION**Subtask 5.2.1 Data Collection Survey:**

The Contractor shall perform a data collection survey with technical meetings taking place per the approved schedule.

The Contractor shall work with Installation personnel in collecting data, as well as evaluating field conditions and assessing impacts. Technical meetings with installation personnel will take place during the course of the site review/ data collection effort.

Personnel working on field tasks for this contract should have demonstrated experience working at the UTTR to understand the hazards associated with the Installation.

If data is not available or if additional analysis is required to support the proposed action, the Contractor shall immediately notify the USACE PM; the Contractor shall not initiate any studies unless directed by the KO.

Subtask 5.2.2 Data Analysis Memo:

The Contractor shall prepare a brief Summary of Findings memo documenting the results of the data collection survey. The Contractor shall assume no Government review will be required but that the memo will be used to help in preparation of subsequent documents. The results of the analysis shall be used to complete the EA.

5.3 BASE TASK 3 - DEVELOPMENT OF THE ENVIRONMENTAL IMPACT ANALYSIS & EA

Subtask 5.3.1 Noise Analysis:

The Contractor shall complete a noise analysis, including an updated noise contour with associated NMODD packages, to support the preparation of the updated UTTR Range Management Plan EA.

The Noise Analysis shall include a NMODD, noise contours figures and modeling files, and an analysis write-up for inclusion within the EA document. The analysis shall include a description of the technical methodology by which the studies were conducted, address requirements, and (if applicable as a result of the noise analysis) provide recommendations for mitigation or measures to be implemented in order to minimize noise impacts associated with the Proposed Action and alternatives.

The Contractor shall be responsible for obtaining noise data/acoustic information for all proposed alternatives. The Contractor shall be provided all applicable background information available to USACE upon contract award. The Contractor shall also be available to provide responses or guidance to any public comments received on the noise modeling conducted for the EA.

The Contractor shall have familiarity with all areas of the Installation aircraft operations and work with Installation personnel to identify all operational units with a flying mission at the Installation. The Contractor will then put together a tentative schedule of interviews needed and provide this schedule to Installation personnel.

The Contractor shall review Installation and community maps to obtain layouts and other useful information. The Contractor will review existing geospatial information and any existing NOISEMAP files from the most recent data collections. Installation personnel will schedule interviews based on this guidance. Following the Installation's review of each submittal, the PM shall provide a copy of the review comments to the Contractor.

The Contractor is not responsible for the time used by the USAF/USACE for reviewing submittals that may extend beyond anticipated time. The Contractor shall respond in writing to problematic review comments referenced to the applicable documents within 14 calendar days after receipt of the comments. If the Contractor disagrees with comments, an explanation and alternative course of action should be included if applicable.

The Contractor shall prepare the NMODD for aircraft operations flown in the UTTR airspace. Planning contours will be developed using the best projections of future operations available and agreed to by the USAF and Contractor. The analysis will cover fixed-wing [and rotary-wing] aircraft operations, including ground and flight operations.

The NMODD shall contain all of the information used to generate all noise contours and shall provide all the information needed to duplicate any noise analysis, including:

- Detailed notes from operational data collection efforts.
- Spreadsheets used for documenting and calculating daily activity with all cells visible. Hyperlinks should be avoided to ensure the data is clearly understood by the next user.

- The operational data (e.g., aircraft configurations/ flight paths/ firing points/ target locations/ weapons use, amount of ammunition used) used by the respective noise model, and details of all assumptions made during the modeling process.
- Flight profile maps for all permanently assigned aircraft and a flight profile operations summary as generated through the BASEOPS and MRNMAP programs.

The Contractor shall use the latest approved version of NOISEMAP, MRNMAP [and/or Advanced Acoustic Model (AAM)], and/or Rotorcraft Noise Model (RNM), as appropriate. The Contractor is responsible to ensure that only authorized versions of Department of Defense (DOD) approved acoustic software are used in analysis.

The Contractor will prepare an explanation of how the raw data collected during the interviews was organized and modeled and include this explanation in the NMODD. The individual flight track profile sheets will be prepared using the Joint Operational Graphic (JOG) as the background map. An electronic copy of JOG map in the vicinity of the Installation can be downloaded from the National Geospatial-Intelligence Agency (NGA) if the Contractor has access, otherwise it will be provided by the Installation upon request by the Contractor.

The primary technical services shall be performed by individuals with experience in modeling military aircraft operations in NOISEMAP and other approved models. Services may include, but are not limited to, data gathering, analysis, processing, and manipulation of various types of operational and geospatial data to provide noise contours and supporting documentation which can be plotted in Air Installation Compatible Use Zone (AICUZ) Studies as a follow on-action.

Subtask 5.3.2 Air Quality Analysis:

As part of the EIAP process, the Contractor shall conduct an Air Quality Analysis and an analysis write-up for inclusion within the EA document being completed for the updated UTTR Range Management Plan.

The UTTR is currently designated an attainment area. For Air Quality Analysis, the Contractor shall perform Air Quality EIAP assessments in accordance with AFI 32-7040, Air Quality Compliance and Resource Management Program, and shall follow the three-phased assessment (i.e., Level I, Exempt Action Screening, Level II, Air Quality Quantitative Assessment, and Level III, Advance Air Quality Assessment) approach outlined in the Air Force Air Quality EIAP Guide (Volumes 1 and 2) found online at <http://aqhelp.com/AQdocs.html>.

The Contractor shall perform the air quality EIAP assessment at the lowest level possible (typically Level I, Exempt Action Screening, or Level II, Air Quality Quantitative Assessment). Level II assessments, at a minimum, shall be performed using the USAF's ACAM. For the purpose of responding to the Request for Proposal (RFP) and providing an estimated level of effort (LOE) for Air Quality analysis, only Level I and Level II should be assumed to be required for proposed actions where air quality is NOT expected to be a major issue and/or a General Conformity Determination is required (as determined with ACAM). However, if upon determining the LOE in response to the RFP, initial assessment (through ACAM) indicates that a Level III, Advance Air Quality Assessment, is warranted, the Contractor shall submit the LOE for a Level III, Advance Air Quality Assessment, as a standalone Task.

All air quality assessments must be based on the worst-case annual "net" or the total change (delta) in emissions attributed to direct and indirect emission sources associated with the action. Note that all emission sources that are removed and added associated with the action must be accounted for in the assessment.

The Contractor shall ensure that the analysis includes an assessment of Greenhouse Gas (GHG) emissions and climate change impacts that follows, as a minimum, the USAF's simplified process in Chapter 6 of the Air Force Air Quality EIAP Guide Vol. 1 of 2 to address the August 2016 "Final Guidance Memorandum for Federal Departments and Agencies on Consideration of Greenhouse

Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews”. The Contractor shall use projected GHG emissions as a proxy for assessing potential climate change effects as described in Chapter 6 of the Air Force Air Quality EIAP Guide Vol. 1.

Subtask 5.3.3 Biological/Natural Resource Analysis:

The Contractor shall utilize the USFWS IPaC tool and available State of Utah Division of Wildlife Resources tools to develop a list of sensitive species requiring particular survey activities within the project area. The Contractor shall use existing current survey data and reports, as available, which will be provided by the HQ UTTR upon award for vegetation classification, sensitive species, and habitats information, and to characterize known biological resources within the project area on the main installation. Natural resource data from the existing sources performed under this contract would be used to draft the EA, and for a draft biological assessment (BA) if required by the USFWS. The biological/natural resource analysis prepared for the USFWS consultation will be provided to USACE and the HQ UTTR within 30 days of the receipt of all information received by the Contractor. The Government shall provide comment back to the Contractor for finalization within 30 days.

Subtask 5.3.4 Preliminary Draft EA:

The Contractor shall prepare a Preliminary Draft EA for internal Government review. The analyses and format shall meet the requirements in 32 CFR 989 and associated guidance, including the EIAP Desk Reference and the recently updated CEQ guidance to limit all EAs to 75 pages of text (main body). All air quality calculations required for the EA shall be completed by the Contractor using ACAM. The Contractor shall submit a line-numbered Preliminary Draft EA. The document shall be submitted in only electronic format (1-Word and 1-PDF). The Government will review the Preliminary Draft EA and provide written comments through a Comment Response Matrix within 30 days. If needed, a joint telephone or virtual conference between the HQ UTTR, USACE Environmental Resources personnel, and the Contractor will be held to clarify the meaning and intent of any government comments. The Contractor shall incorporate and respond to the Comment Response Matrix within 30 days. The Preliminary Draft EA shall be submitted within 120 days of completion of the Final DOPAA.

Subtask 5.3.5 Draft EA:

The Contractor shall prepare a Draft EA fully addressing the comments on the Preliminary Draft provided by the Government. The Contractor shall submit a line-numbered Draft EA. Upon Government (including USACE) review and approval, the Draft EA shall be complete and ready for public release. The Contractor shall produce two (2) electronic copies one clean and one showing tracked changes of the Draft EA. The Draft EA shall be submitted within 30 days of receipt of government comments on the Preliminary Draft EA.

Upon Government acceptance of the Draft EA, the Contractor shall submit two (2) electronic format documents (1-Word and 1-PDF Section 508 compliant), one clean and one showing the tracked changes, and one (1) comb-bound hard copy and one (1) DVD/CD copy of the clean Draft EA.

Subtask 5.3.6 Notice of Availability for Draft EA:

Upon Government acceptance of the Draft EA, the Contractor shall submit a draft Notice of Availability (NOA). The Contractor shall submit one draft copy of the NOA to the Government at least 30 days prior to publication to ensure that Public Affairs and Judge Advocate have sufficient time for review and approval. Upon approval, the Contractor shall submit one (1) electronic format document (1-Word and 1-PDF Section 508 compliant) of the final NOA, and the Contractor shall publish the NOA for two (2) days (Sunday/Monday) in the legal section of the local newspapers (Wendover, Tooele, and the Salt Lake Standard Examiner) and make the Draft EA and FONSI available for a 30-day public comment period. Copies of the Draft EA will be placed in designated local libraries and in the locations as agreed upon by the EIAP manager. The NOA shall stipulate comments on the Draft EA and FONSI/FONPA are required within 30 days from publication date. The Contractor shall compile comments by subject matter, as they are received. The Contractor shall deliver to HQ UTTR within 15 days of the end of the public comment period: (1) a subject matter

listing of comments; (2) identified data gaps to address each of the subject matter areas; and (3) remedies or solutions to the data gaps.

The Contractor shall also provide three (3) comb-bound hard copies, three (3) DVD/CD copies, and one (1) electronic format PDF Section 508 compliant copy of the clean Draft EA/FONSI for public review and comment.

Subtask 5.3.7 Preliminary Final EA and Decision Documents:

Based on comments received during the public comment period, the Contractor shall revise and finalize the EA and develop a Preliminary Final decision document (FONSI, FONSI/FONPA, or EIS Recommendations). The Contractor shall submit two (2) electronic format documents (1-Word and 1-PDF Section 508 compliant), one clean and one showing the tracked changes and one (1) comb-bound hard copy and one (1) DVD/CD copy of the clean Preliminary Final EA/FONSI. Review comments will be provided by the Government after each submittal stage. The Contractor shall notify the Government if any comments conflict or are incomplete. The Government is responsible for resolving all conflicting comments. The Preliminary Final EA shall be submitted within 30 days of the end of the public comment period on the Draft EA.

Subtask 5.3.8 Final EA and Decision Documents:

The Contractor shall incorporate Government comments received from the Preliminary Final EA and Preliminary Decision Documents. Upon Government approval, the Contractor shall prepare one (1) comb-bound hard copy that is signature ready, one (1) electronic format (1-Word and 1-PDF Section 508 compliant) and one (1) DVD/CD version of the Final EAs and Decision Documents. The Final EA is not considered complete unless all consultations to support the findings are fulfilled. The Final EA shall be submitted within 15 days of receipt of government comments on the Preliminary Final EA.

5.4 BASE TASK 4 – ADMINISTRATIVE RECORD

The Contractor shall establish and maintain a complete, searchable Administrative Record in PDF electronic format on a CD or DVD, as appropriate, specific to the EA which shall include, but is not limited to, all technical data, expert opinions, completed studies, and other background data and correspondence that form the basis of the EA. The Administrative Record shall serve to document all research performed under this contract. It shall specifically list the dates and sources of data used in all documents produced. All documents supporting the EAs shall contain specific references to their source data. The Administrative Record shall be organized and indexed by topic (as much as practicable) and submitted to the HQ UTTR and USACE Sacramento District prior to final closeout of this Task Order. The Administrative Record shall be completed within 15 days after signature of the Decision Document(s).

5.5 BASE TASK 5 – CONTRACOR MANPOWER REPORTING

The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure data collection site where the Contractor shall report ALL Contractor manpower (including subcontractor manpower) required for performance of this Contract. The Contractor shall provide all information in the format using the following web address: <https://cmra.army.mil/>.

The required information includes:

- a) Contracting Office, Contracting Officer (KO), and Contracting Officer's Technical Representative (COTR) or also known as the Contracting Officer's Representative (COR);
- b) Contract number, including task and delivery order number;
- c) Beginning and ending dates covered by reporting period;
- d) Contractor's name, address, phone number, e-mail address, identity of Contractor employee entering data;

- e) Estimated direct labor hours (including sub-Contractors);
- f) Estimated direct labor dollars paid this reporting period (including sub-Contractors);
- g) Total payments (including sub-Contractors);
- h) Predominant Federal Service Code (FSC) reflecting services provided by Contractor (and separate predominant FSC for each sub-Contractor if different);
- i) Estimated data collection cost;
- j) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the Contractor with its UIC for the purposes of reporting this information);
- k) Locations where Contractor and sub-Contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website);
- l) Presence of deployment or contingency Contract language; and
- m) Number of Contractor and sub-Contractor employees deployed in theater this reporting period (by country).

As part of its submission, the Contractor shall provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period shall extend through period of performance not to exceed 12 months ending 30 September of each Government fiscal year; and must be reported by 31 October of each calendar year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a Contractors system to the secure website without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the website.

NOTE: The Contractor shall provide an electronic copy of each year's Services Contractor Manpower Report to the USACE PM no later than 31 October for each Contract year.

Contractors may direct questions to the help desk at help desk at: <http://www.ecmra.mil> to review user manuals and gain an understanding about the data fields that will be included in the reporting structure that is hosted at <http://www.ecmra.mil/>.

5.6 **OPTIONAL TASK ITEMS:**

5.6.1 Optional Task 1 – Baseline Noise Survey (Optional). The Contractor shall install noise monitoring equipment at no more than three locations on UTTR during an operational mission for three days to be recording continuously for 72 hours to establish a baseline noise level during operations. The Contractor shall analyze and report the recorded data and produce a final report that describes the monitoring procedures and documents the results.

5.6.2 Optional Task 2 – Site Visit (Optional). The Contractor, at their own responsibility and risk, is encouraged to visit and examine the UTTR and its surroundings and obtain all information that may be necessary for preparing the EA. The costs of visiting the Site shall be at the Contractor's own expense.

5.6.3 Optional Task 3 – Biological Assessment (Optional).

5.6.3.1 Optional Task - Draft Biological Assessment (Optional). The Contractor shall prepare a draft Biological Assessment (BA) to evaluate potential impacts to special status species. A draft version shall be submitted to the Government for review. The Government will review and provide a single set of agency comments to inform the preparation of the Final BA. The Draft BA shall be submitted 30 days after the biological/natural resource analysis is completed.

5.6.3.2 Optional Task - Draft BA Review Conference (Optional): The Contractor will participate in a virtual/teleconference review meeting. In order to facilitate discussions,

prior to the conference the Contractor shall prepare a comment-response matrix for review during the call. The results of the review will be used to finalize the content of the Final BA. The Contractor will record key decisions made during the call. The draft version will be finalized 15 days following government review.

5.6.3.3 Optional Task: Final BA (Optional): The Contractor shall prepare and submit a Final BA for submittal to the USFWS. The Final BA version will be used by the Government to conduct Section 7 consultation in accordance with PWS 1.4. The Final BA shall be submitted within 15 days of receipt of government comments on the Draft BA.

5.6.4 Optional Task 4- Public Meeting (Optional). This is an option for a public meeting to address potential concerns raised by the community. The Contractor shall coordinate with HQ UTTR to establish a time, place, and agenda. The Contractor shall prepare a presentation outlining the potential effects from the project. The Contractor shall facilitate the meeting and provide a means for the public to comment on the proposed project.

5.7 Compliance Standards

The Contractor shall comply with the following:

The EA and Noise Analysis shall be prepared in accordance with:

- Air Force Instruction (AFI) 32-7063, AICUZ Program
- Air Force Handbook (AFH) 32-7084, AICUZ Program Manager's Guide
- AFI 31-401, Information Security Program Management (November 1, 2001)
- DoD Instruction (DoDI) 4165.57, AICUZ (May 2, 2011)
- DoDI 5200.1, Information Security Program (January 1997), Appendix 3
- 32 CFR Part 989, Air Force Environmental Impact Analysis Process (EIAP)

5.7.1 The Contractor shall perform all work associated with the identification of applicable legal requirements, identification of necessary notifications, analyses, investigations, studies, and other work related to the preparation of the EA analyzing the Proposed Action, No Action Alternative, and reasonable range of alternatives. The Contractor shall support the HQ UTTR in the execution of the EIAP requirements and the development of related studies and documentation to determine potential impacts of the proposed action and alternatives. The Contractor shall discuss the relevant background information as it applies to the installation and the project. The Contractor shall determine, through data collection and analysis, the environmental and cultural consequences of the proposed actions and alternative actions and document them in the EA. Narrative justification shall be rendered for inclusion in the EA concerning any resource area not carried forward for detailed analysis. Cumulative effects shall be identified, assessed, and documented in the EA; cumulative impacts shall address both Installation activities and associated off-Installation activities in the vicinity of the Study Area, where applicable. The narrative justification shall provide a definitive and substantive link between the analysis completed in Chapter 3 (of the EA) and the findings and conclusions in Chapter 4. Impacts shall be described IAW Section 6.4.8 of the EIAP Desk Reference, Vol. 1. In addition, the main body of the EA shall adhere to the new maximum CEQ requirement of 75 pages.

5.7.2 The Contractor shall coordinate with applicable EPF personnel at the UTTR to plan any installation visit for data collection and to conduct interviews with environmental, engineering, and operations staff, as necessary. The Contractor shall obtain all information supporting preparation of the EA and shall coordinate with local, state, and federal agencies as required for data collection. The Contractor shall assist with consultations with relevant agencies (e.g., USFWS, NPS, SHPO, federally recognized tribes). The Contractor will consult through DOD personnel and Hill AFB contacts. The Contractor is not to communicate to agencies directly without DOD personnel and Hill AFB contacts involved.

- The EA shall provide sufficient, documented information to support a determination for a FONSI, a FONSI/FONPA or a determination that an EIS is required.
- If there are significant impacts affecting the quality of human health and the environment associated with the planned action(s), the Contractor shall recommend that an EIS be prepared or if not, a FONSI or FONSI/FONPA shall be prepared.
- All documents for public release must not contain any security vulnerabilities. The Contractor shall verify this requirement is met with the EPF before finalizing any document to be released to the public.
- All documents for public release must meet 508 compliance requirements for accessibility.

5.7.3 The Contractor shall prepare maps and other graphics, as appropriate, to support the activities required under this contract. The Contractor shall include graphic documentation of sites, resources, and buildings, as appropriate, in the reports specified for this contract.

5.7.4 All products associated with this contract that provide a map representation of the location of installation features (historical, existing, or planned) including installation maps, site plans, area development plans, walls-out as-built depictions, or other related overhead (plan) views of an installation (partial or entire) must adhere to the following requirements (NOTE: This requirement does not currently involve walls-in facility floor plans or interior renderings).

All maps and associated data must comply with the latest version of Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) available from the SDSFIE website: <http://www.sdsfie.org/>.

5.7.5 Neither the Contractor nor the Contractor's personnel will give news releases or conduct media interviews concerning the work performed under this contract. All media inquiries should be directed to Hill Air Force Base Environmental Office 75 CEG/CEIEA.

PART 6

APPLICABLE PUBLICATIONS

6.0 Applicable Publications (Current Editions)

6.1 The Contractor must abide by all applicable regulations, publications, manuals, and local policies and procedures including but not limited to, the following:

- NEPA of 1969 (PL 91-190, 42 U.S.C. 4321-4347)
- NHPA of 1966 (PL 102-575, 16 U.S.C. 470), as amended
- 32 CFR 989, *Environmental Impact Analysis Process*
- 36 CFR 800, *Protection of Historic and Cultural Properties*
- 40 CFR 1500-1505, CEQ's Regulations on Implementing NEPA
- 50 CFR 402, *Interagency Cooperation - Endangered Species Act of 1973*, as amended
- USACE wetlands policy
- Executive Order 11988 - Floodplain Management
- Executive Order 11990 - Protection of Wetlands
- Executive Order 13690 - Establishing a Federal Flood Risk Management Standard and a Process for Further Soliciting and Considering Stakeholder Input
- State approved Coastal Management Program
- AFI 32-7064, Integrated Natural Resources Management
- AFI 32-7065, Cultural Resources Management
- AFI 32-7066, Environmental Baseline Surveys in Real Property Transactions
- AFI 32-7040, Air Quality Compliance and Resource Management Program
- *USAF Air Quality EIAP Guide* found online at <http://aqhelp.com>.
- AF Air Quality EIAP Guide – Fundamentals, Volume 1 of 2
- Considering Cumulative Effects under the National Environmental Policy Act, Council on Environmental Quality, January 1997
- CEQ document "Environmental Justice, Guidance Under the National Environmental Policy Act"
- AF Guide for Environmental Justice Analysis under the EIAP
- AF Guidance for the Planning Requirements in the Environmental Impact Analysis Process, latest edition
- Integrated Cultural Resources Management Plan (ICRMP)
- Integrated Natural Resources Management Plan (INRMP)
- Installation Development Plan
- Project related EAs, EISs, Environmental Baseline Surveys (EBSs)
- Air Installation Compatible Use Zone studies
- AF Forms 813s
- Site Survey Criteria and Findings
- Memorandums of Agreement
- Memorandums of Understanding
- Programmatic Agreements
- AFI 32-7063, Air Installation Compatible Use Zone (AICUZ) Program
- AFH 32-7084, AICUZ Program Manager's Guide
- AFI 31-401, Information Security Program Management (Nov. 1, 2001)
- DODI 4165.57, Air Installations Compatible Use Zones (May 2, 2011)
- DODI 5200.1, Information Security Program (January 1997), Appendix 3
- 32 CFR Part 989, AF Environmental Impact Analysis Process (EIAP)
- USACE Safety and Health Requirements Manual (EM 385-1-1).

PART 7

ATTACHMENT/TECHNICAL EXHIBIT LISTING

7.0 Attachment/Technical Exhibit (TE) List:

- 7.1 Technical Exhibit 1 – Performance Requirements Summary
- 7.2 Technical Exhibit 2 – Deliverables Schedule
- 7.3 Technical Exhibit 3 – Noise Model Operational Data Documentation (NMODD)
- 7.4 Technical Exhibit 4 – Geospatial Requirements
- 7.5 Technical Exhibit 5 – Utah Test and Training Range (UTTR) Airspace Chart

TECHNICAL EXHIBIT 1

PERFORMANCE REQUIREMENTS SUMMARY

The contractor service requirements are summarized into performance objectives that relate directly to mission essential items. The performance threshold briefly describes the minimum satisfactory levels of service required for each requirement. These thresholds are critical to mission success.

	Performance Objective	Performance Standard	Performance Threshold	Method of Surveillance
Gen.	Daily Management and oversight of Project	Meeting the requirements as outlined in the PWS (i.e., quality, schedule/timeliness and management of personnel & resources)	Satisfactory Rating	Inspections: scheduled and unscheduled onsite Document review of logs and records
Gen.	Conduct all activities in accordance with USACE safety requirements (EM 385-1-1)	Meeting the requirements as outlined in the PWS, USACE safety publications (i.e., safety)	Satisfactory Rating	Inspections: scheduled and unscheduled onsite
Base Task 1: Project Management				
1a	Kick Off Meeting (PWS Part 5.1.1)	Within 15 days of award (i.e., schedule and timeliness)	Satisfactory Rating	HQ UTTR POC, USACE COR, PM and Tech Lead verification
1b	Submission of Invoices, Schedule & Monthly Progress Reports (PWS Part 5.1.2)	Monthly (i.e., schedule and timeliness)	Satisfactory Rating	USACE COR verification
2	Meeting/Teleconference Support & Minutes: (PWS Part 5.1.3)	Monthly (i.e., schedule and timeliness)	Satisfactory Rating	HQ UTTR POC, USACE PM, and Tech Lead verification
3a	Interagency and Intergovernmental Coordination (PWS Part 5.1.4)	Requirements as outlined in the PWS (i.e., quality, schedule/timeliness and management of personnel & resources)	Satisfactory Rating	HQ UTTR POC, USACE PM, and Tech Lead verification
4b	Regulatory and Professional Interface (PWS Part 5.1.4.1)	Meeting the requirements as outlined in the PWS (i.e., quality, schedule/timeliness and management of personnel & resources)	Satisfactory Rating	HQ UTTR POC, USACE PM, and Tech Lead verification

Base Task 2: Data Collection				
5	Data Collection (PWS Part 5.2)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
Base Task 3: Development of the Environmental Impact Analysis & EA				
6	Noise Analysis (PWS Part 5.3.1)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: COR? PM and Tech Lead discretion HQ UTTR Feedback
7	Air Quality Analysis (PWS Part 5.3.2)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
8	Biological and Natural Resource Survey (PWS Part 5.3.3)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
9	Preliminary Draft EA (PWS Part 5.3.4)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
10	Draft EA (PWS Part 5.3.5)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
11	Notice of Availability for Draft EA (PWS Part 5.3.6)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback

12	Preliminary Final EA and Decision Documents (PWS Part 5.3.7)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
13	Final EA and Decision Documents (PWS Part 5.3.8)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
Base Task 4: Administrative Record				
14	Administrative Record (PWS Part 5.4)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
Base Task 5: Contractor Manpower Reporting				
15	Contracting Manpower Reporting (PWS Part 5.5)	Annual	Satisfactory Rating	USACE KO verification
Option Task 1: Baseline Noise Survey				
16	Baseline Noise Survey (PWS Part 5.6.1)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
Option Task 2: Site Visit				
17	Site Visit (PWS Part 5.6.2)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback
Option Task 3: Biological Assessment				
18	Biological Assessment (PWS Part 5.6.3)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback

Option Task 4: Public Meeting				
19	Public Meeting (PWS Part 5.6.4)	Government Representative technical approval of document, timeliness, schedule	Satisfactory Rating	Inspection: onsite, document review Periodic Inspection: PM and Tech Lead discretion HQ UTTR Feedback

TECHNICAL EXHIBIT 2

DELIVERABLES SCHEDULE

	DELIVERABLE	FREQUENCY	ELECTRONIC COPIES	HARD COPIES	SUBMIT TO
Base Task 1: Project Management					
1a	Kick Off Meeting (PWS Section 5.1.1)	Within 15 days of contract award	1 (Meeting Minutes) (Via Email)	0	HQ UTTR Designated POC, USACE PM, and Tech Lead
1a	Submission of Invoices, Schedule & Monthly Progress Reports (PWS 5.1.2)	By the 10 th of each month	1 to USACE Finance Center and 1 to USACE PM (Via Email)	0	Depart of the Army USACE Finance Center 5722 Integrity Drive Millington, TN 38054-5005 CEFC-L 4invoices@usace.army.mil and USACE PM
2	Meeting/Teleconference Support & Minutes: (PWS Part 5.1.3)	Within 30 days of contract award	1 (Meeting Minutes) (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead
3a	Interagency and Intergovernmental Coordination (PWS Section 5.1.4)	As Assigned	NA	0	HQ UTTR POC, USACE PM, and Tech Lead
3b	Regulatory and Professional Interface (PWS Part 5.1.4.1)	As Assigned	NA	0	HQ UTTR POC, USACE PM, and Tech Lead
Base Task 2: Data Collection					
4	Data Collection & Analysis Summary of Findings Memorandum (PWS Part 5.2)	In Accordance with Approved Schedule	1 (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead
Base Task 3: Development of the Environmental Impact Analysis & EA					
5	Noise Analysis (PWS Part 5.3.1)	In Accordance with Approved Schedule	Shall be an Appendix to the EA	NA	HQ UTTR POC, USACE PM, and Tech Lead
6	Air Quality Analysis (PWS Part 5.3.2)	In Accordance with Approved Schedule	Shall be an Appendix to the EA	NA	HQ UTTR POC, USACE PM, and Tech Lead

7	Natural Resources/Biological Survey & Analysis (PWS Part 5.3.3)	In Accordance with Approved Schedule	2 (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead
8	Preliminary Draft EA (PWS Part 5.3.4)	In Accordance with Approved Schedule	1 (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead
9	Draft EA (PWS Part 5.3.5)	In Accordance with Approved Schedule	2 (Via Email)	1 Comb-bound	HQ UTTR POC, USACE PM, and Tech Lead
10	Notice of Availability with Draft EA/FONSI (PWS Part 5.3.6)	In Accordance with Approved Schedule	2 (Via Email), 3 DVD/CD	3 Comb-bound	HQ UTTR POC, USACE PM, and Tech Lead
11	Preliminary Final EA and Decision Documents (PWS Part 5.3.7)	In Accordance with Approved Schedule	2 (Via Email), 1 DVD/CD	1 Comb-bound	HQ UTTR POC, USACE PM, and Tech Lead
12	Final EA and Decision Documents (PWS Part 5.3.8)	In Accordance with Approved Schedule	2 (Via Email), 1 DVD/CD	1 Comb-bound Signature ready	HQ UTTR POC, USACE PM, and Tech Lead
Base Task 4: Administrative Record					
13	Administrative Record (PWS Part 5.4)	In Accordance with Approved Schedule	Electronic Submission & 2 Electronic Disks	0	HQ UTTR POC, USACE PM, and Tech Lead
Base Task 5: Contractor Manpower Reporting					
14	Contracting Manpower Reporting (PWS Part 5.5)	Annual	Electronic	0	https://cmra.army.mil/
Option Task 1: Baseline Noise Survey					
15	Baseline noise Survey (PWS Part 5.6.1)	In Accordance with Approved Schedule	Shall be an Appendix to the EA	NA	HQ UTTR POC, USACE PM, and Tech Lead
Option Task 2: Site Visit					
16	Site Visit (PWS Part 5.6.2)	In Accordance with Approved Schedule	NA	NA	HQ UTTR POC and USACE PM
Option Task 3: Biological Assessment					
17	Biological Assessment (PWS Part 5.6.3)	In Accordance with Approved Schedule	2 (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead
Option Task 4: Public Meeting					
18	Public Meeting (PWS Part 5.6.4)	In Accordance with Approved Schedule	1 (Meeting Minutes) (Via Email)	0	HQ UTTR POC, USACE PM, and Tech Lead

TECHNICAL EXHIBIT 3

NOISE MODEL OPERATIONAL DATA DOCUMENTATION (NMODD)

The Contractor will prepare a NMODD, including all information used during the noise modeling process for all noise contours. At minimum, it will include detailed notes from operational data collections, spreadsheets used for documenting and calculating daily activity, operational data used by the respective noise model, and details of all assumptions made during the modeling process. Spreadsheets will be created in a manner that is easily understood by other users (i.e., all cells visible and hyperlinks avoided).

When NOISEMAP is used as the input mechanism, the NMODD will include flight profile maps for all permanently assigned aircraft and a flight profile operations summary as generated through the NOISEMAP program. The individual flight track profile sheets will be prepared using the Joint Operational Graphic (JOG) as the background map. An electronic copy of JOG map in the vicinity of the installation will be provided by AFCEC or downloaded from NGA if the contractor has access. The structure and contents of the NMODD are listed below.

THE TABLE OF CONTENTS WILL CONTAIN THE FOLLOWING INFORMATION:

- List of Figures
- List of Tables
- Acronyms and Abbreviations
- Section 1 Implementation and maintenance plan
- Section 2 Aircraft flight track and maintenance operations data* summary
 - 2.1 Flight Tracks
- Section 3 Noise
 - 3.1 Description of noise zone methodology
 - 3.2 Local installation noise environment description and noise contour
 - 3.3 Noise level reduction guidelines (not included if noise contour is part of a new AICUZ Study)
- Section 4 Aircraft flight profiles for assigned aircraft (Organized by Aircraft/Organization/Flight Track on a background map)

FIGURES

- 3.1 Day-Night Average A-weighted sound level (DNL)
- 3.2 Comparison of old and new noise contours

TABLES

- Tables 2.X through 2.X average maintenance pad utilization by aircraft and location
- Table 3.X modeled average flight operations
- Table 4.X through 4.X average flight track utilization by aircraft and runway

*Note: Engine run ups and maintenance will not need to be evaluated as the evaluation of the airspace is for aircraft in flight. There is no location within the UTTR for aircraft to land unless it is under an in-flight emergency status.

TECHNICAL EXHIBIT 4

GEOSPATIAL REQUIREMENTS

1.0 Geospatial Standards

The Contractor shall utilize any AFCEC GIO approved geospatial information available to assist to the preparation of the creation of the AICUZ as long as it adheres to the most current published AF Adaptation of SDSFIE and AICUZ guidance from the AFCEC GIO. The Contractor will utilize software applications, including ArcGIS and AutoCAD Map 3D, AutoCAD Civil 3D. All GIS data shall be stored in ESRI File Geodatabase (FGDB) format. All databases will be stored in ArcGIS 10.3 file formats, unless otherwise specified by the Government.

All USAF data submitted shall be formatted in accordance with the latest Air Force Adaptation of the Spatial Data Standard for Facilities, Infrastructure and Environment (SDSFIE) unless otherwise specified by the Government. All minimum required attribute information needed to properly classify and symbolize feature classes of the AICUZ MDS per the AICUZ GIS Guidance shall be entered into geodatabase deliverables per the Air Force Adaptation of the SDSFIE standards found in the Data Dictionary and AICUZ Guidance.

All geospatial data shall be delivered in the World Geodetic System of 1984 (WGS84) reference system using geographic coordinates (lat/long) or projected to the appropriate zone of the Universal Transverse Mercator (UTM) Grid System using feet or metric coordinate units per the coordinate system used. All GIS data shall be free of geometrical and topological errors such as slivers, undershoots, overshoots dangles, overlaps, intersections, etc.

All geodatabase deliverables shall be formatted to support Z (height) values. Geodatabase feature data sets shall have properly configured precision settings to maintain data integrity and spatial accuracy in accordance with specified precisions outlined in the Air Force 3.1/3.1.0.1 Adaptation Documents, Data Dictionary and AICUZ guidance/control documents. Data will be centered within spatial domain extents. Spatial domain precision values will be set to preserve the accuracy of all geodatabase feature classes (x, y, and z values) within a feature dataset. All geodatabase features must be able to be loaded (checked in) into the MAJCOM GeoBase Enterprise database environment (ArcSDE) without errors as a result of poor GIS feature geometry and or data/schema integrity. All analog or CAD to digital conversion of data shall result in data that is geo-referenced to the most accurate supporting data available.

The Contractor shall provide a quality control (QC) report that must state whether all inconsistencies in the data generated were corrected, or it must detail the remaining errors by case. The Contractor shall collect SDSFIE-M complaint feature class-level metadata and AFCEC GIO complaint feature-level metadata on all digital geospatial data created under this contract in accordance with the Data Dictionary, AICUZ, 3.1.0 SOP Feature-Level Metadata, and the SDSFIE Metadata (SDSFIE-M) Conceptual Schema (latest available on www.sdsfieonline.org) control documents. All metadata deliverables shall reside within the geodatabase using the ArcGIS 10.3 metadata template. Information on the SDSFIE-M “Content Standards for Digital Geospatial Metadata” is available from the Internet site at: <http://www.fgdc.gov/metadata/csdgm/>. Process steps for each feature class shall be exceedingly detailed and thorough. All GIS data, MXD templates, documentation, tables, or “raw-data” used to create “composite figures”, etc. submitted are USAF Property and will be treated as “For Official Use Only”. Once data is reviewed, approved, and formally accepted by the Government all project data created by the Contractor, shall be returned to the Government, removed from the Contractor system or destroyed.

- 1.1 If field data collection is required, the Contractor shall provide survey grade GPS data at an accuracy level of +/-3cm. where appropriate (as determined by the Government), and all other collection at a resource grade accuracy level of +/- 1M. (exceptions with logical justification may approved by the Government).

Several New Feature Classes were introduced in USAF Adaptation of SDSFIE 3.1.0.1 to support Encroachment Management. They should be created/populated IAW minimum attribution standards as identified in the SDSFIE 3.1.0.1 Data Dictionary if needed to support analysis and findings. Some of this data has or is being created at AFCEC, however may not be available for certain installations at the time of contract execution.

If data is available, AFCEC will supply however it is requested that the data be reviewed and updated if necessary. If the data is not available at time of contract execution, AFCEC requests that the contractor create the data needed to support certain elements of the established AICUZ GIS Guidance.

- EncroachmentMgtAction_P
- EvacuationRoute_L
- IncompatibleLandUse_A
- MilLocalFlying_A
- MilSpecialUseAirspace_A
- MilTrainingRoute_A
- MilTrainingRoute_L
- MilTrainingRoute_P
- NatResAcquisitionBoundary
- NoiseIncident_P
- SpeciesHazard_A
- SpeciesHazardIncident_P

- 1.2** All .mxd (ESRI ArcGIS Map Document) files will store “relative paths” to all geodatabases data to maintain map integrity and data connectivity. Supporting geodatabases will be stored in a “database” folder parallel to the .mxd files for all deliverables (see the External Feature Class Management document). Feature symbology will be standardized for all maps and will follow standards set by AFCEC GIO in the guidance.

All maps submitted are USAF property and shall be treated as “Controlled Uncontrolled Information” (CUI). Once maps are reviewed, approved, and formally accepted by the Government, all AF maps residing on the Contractor’s system, whether provided by the Government or created by the Contractor, shall be returned to the Government, removed from the Contractor system or destroyed.

- 1.3** All AutoCAD Map 3D or Civil 3D drawings shall be checked for correct projection. AutoCAD segmented features will be made continuous and free of self-overlapping sections. All AutoCAD features will be grouped and converted into a FGDB using the latest version of the SDSFIE standards. No additional attribute fields will be created unless approved by A7C GeoBase. All AutoCAD annotation will be converted into attributes in the newly created feature class it describes using SDSFIE guidance. All AutoCAD maps and data produced will be converted and submitted in ArcGIS 10.x or latest .mxd (ESRI ArcGIS Document) file geodatabase format. All data deliverables (FGDB and raster) reference by the .mxd files will exist in one SDSFIE compliant geodatabase in accordance with the latest version of the Air Force Adaptation.

- 1.4** The Contractor shall also provide GIS mapping deliverables that meet the following requirements: Each CAD data layer shall be accompanied by a World file and a Projection file (set to the Installation’s projection and coordinate system) so as to properly overlay over projected spatial data in ESRI’s ArcGIS Desktop software.

Segmented lines and arcs are to be made continuous, thus decreasing files size and increasing efficiency within the CAD platform. If relevant to the project, building numbers, street addresses,

street names, and new facilities are to be added to the map. If necessary, layers can be “X-referenced” to the main base map file to increase efficiency. All files and layers shall be labeled in accordance with the latest version of SDSFIE.

All geodetic data shall be collected using the WGS84 reference system using geographic coordinates (lat/long) or projected to the appropriate zone of the UTM grid system using feet or metric coordinate units per the coordinate system used for the Installation, except as modified by the Government.

2.0 AICUZ Geospatial Maps/Plans

Use the AFCEC GIO published guidance for AICUZ Map Templates to create the maps:

https://cs1.eis.af.mil/sites/ceportal/ProgramGroups/Resources/GeoBase%20Documents/index_GeoBase.html

- A.2: Regional Location
- B.1: Military Flight Tracks
- D.2: Imaginary Surfaces
- D.3: Clear and Accident Potential Zones
- F.1: Bird-Aircraft Strike Hazard (BASH)
- G.1: Vicinity Existing Land Use
- G.2: Vicinity Existing Zoning
- G.3: Future Vicinity Land Use
- G.4: Future Vicinity Zoning
- H.1: Real Estate Development
- H.2: Energy Development
- I.1: Land Use Compatibility

UTAH TEST AND TRAINING RANGE AIRSPACE CHART



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