

TSA CANINES

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STATEMENT OF WORK

1. **Mission Requirement** - The TSA CTC in partnership with the National Explosives Detection Canine Team Program (NEDCTP) deploy canines to protect the nation's transportation infrastructure. These canines work to detect explosives odors in active, dynamic and potentially distracting environments that are used by the American traveling public. These canines must be resilient and motivated to perform their repetitive tasks and must be undeterred by a high paced and active work place environment.
2. The TSA has established the following canine candidate classifications. TSA will order canines by classification based on current operational needs. In the event a canine fails to meet the criteria at the presented classification, the vendors may offer the canine at a lower classification at its associated established pricing, provided it qualifies, to facilitate order fulfillment.
 - 2.1 **Explosive Detection Canine (EDC) Basic** - A canine that displays the potential to be trained to detect explosive odor in association with static (non-moving) objects. Sociability and environmental stability are necessary to perform their task; canines must demonstrate boldness or sufficient recovery to environmental stressors.
 - 2.2 **Passenger Screening Canine (PSC) Basic** - These canines will have the highest level of environmental confidence and sociability to be deployed in an active, high paced dynamic environment (public transportation hubs- airports, train stations, ferry operations, and similar environments). These canines will be capable of being trained as an EDC and display additional behavioral characteristics conducive to effectively work around passengers with strong independent search behavior. Canines in this tier will not have been trained on explosive odor. These canines will be tested on their ability to locate a reward in static environments as well as concealed on a Role Player (static or moving). A Role Player is defined as a person or persons acting in the capacity of a mass transit passenger.
 - 2.3 **PSC Advanced** - This category serves as a vendor option to offer canines demonstrating advanced training in EDC and PSC searches but require additional training to meet the PSC Ready standards (e.g. PSC Ready canines not meeting full validation requirements). All required commands must be in English and are as follows: "SEEK" (to begin searching), "SIT" (obedience and assisting in odor), and "OUT" (release of the reward).
 - 2.4 **PSC Ready** - These canines also will have the highest level of environmental confidence and sociability to be deployed in an active, high paced and dynamic environments (public transportation hubs- airports, train stations, ferry operations, and similar environments). These canines are completely trained and ready for validation to be deployed as TSA PSCs. These canines must validate in all 8 (6 EDC and 2 PSC as outlined in 5.4) areas and must know the complete odor catalogue. Additionally, all required commands must be in English and are as follows: "SEEK" (to begin searching), "SIT" (obedience and assisting in odor), and "OUT" (release of the reward).

NOTE: Odor catalogue to be released at contract award and all vendor staff who possess a need to know for the odor catalogue must sign and return Non-Disclosure Agreements and complete required SSI training.

3. Canine Requirements (General)

- 3.1 Canines that are successful at explosives detection in active and dynamic mass transportation environments are a specialized product. There is a clear distinction that separates these canines from typical pet populations or canines used/trained for tasks in a more controlled and repeatable environment. This specialization is even more pronounced in canines utilized to search personnel wearing hidden improvised explosive devices.
- 3.2 Identification - All potential candidate canines need permanent identification in the form of an implanted microchip. This microchip ID shall be used in the legal marker on all radiographs as listed in the **Medical Requirements and Evaluation, Attachment (1)**. The microchip shall be identified clearly in association with this specific canine in all medical and training records.
- 3.3 Breed - Vendor provided canines shall be of acceptable sporting breeds. **Primary acceptable breeds are Labrador Retrievers, Flat Coated Retrievers, Vizslas, and German Shorthaired/Wirehaired Pointers.** Other sporting breeds may be tested with prior agreement from CTC. Springer Spaniels, Brittany Spaniels, Golden Retrievers, Weimaraners, and Border Collies are not acceptable. Non-sporting breeds may be considered based on the current operational needs of the CTC. The working breeds will be limited to German and Dutch Shepherds and Belgian Malinois.
- 3.4 Age - All canines presented for evaluation will be between 12-36 months of age at the time of delivery.
- 3.5 Sex - (surgical altering)- Males and females may be purchased reproductively “intact”.
- 3.6 Immediate disqualifiers for assessment acceptance
 - 3.6.1 Canines screened by CTC within the past 30 days. It will be the vendor’s responsibility to meet this requirement.
 - 3.6.2 Canines already having been found to have disqualifying behavioral or medical characteristics in past evaluations, will not be accepted for assessment. This includes any canine previously eliminated from the TSA program.
 - 3.6.3 Any canine showing signs of fear, shyness, retreating, or avoidance behaviors (people and environment), noise sensitivity (to include the potential for gunfire), submissive urination, or refusal to negotiate objects will be considered unacceptable.
 - 3.6.4 Aggression (human or canine)- Any canine showing aggressive behavior toward human beings or other canines, as defined by the SWGDOG guidelines (<https://swgdog.fiu.edu/>), as well as toward items and equipment in and around the testing area will not be accepted. Any canine with a clear history of aggression will not be accepted.

- 3.6.5 Evidence, as determined by the CTC evaluators, of forced fetch, electronic collar training, or the use of some form of compulsion in an effort to force a dog to pick up or retrieve an object.
- 3.6.6 Disease or Injury- Canines that are injured, displaying potentially infectious disease, or are considered overweight or underweight as determined by the DOD Military Working Dog Veterinarian Services will not be accepted for assessment. Previously medically declined canines with medical records displaying treatment and recovery from injury or disease may be assessed.
- 3.6.7 Medical disqualifications (see Attachment 1, Medical Requirements and Evaluation).
- 3.6.8 Falsification identified in any of the deliverable records.
- 3.7 Cumulative Disqualifiers - Canines will be rated Pass/Fail during the assessment. The below behaviors, although not an all-inclusive list, are often cumulative in nature and may constitute a failure:
 - 3.7.1 Loss of interest in the reward object.
 - 3.7.2 Failure to pursue thrown reward object.
 - 3.7.3 Visual rather than olfactory search behavior.
 - 3.7.4 Weak or interrupted search behavior.
 - 3.7.5 Displays a lack of physical stamina.
 - 3.7.6 Failure to accept being placed in sit position.
 - 3.7.7 Failure to return to active/effective search behavior after being placed in sit position.
 - 3.7.8 Strong tendency to scratch, claw or bite objects in the environment, to include reward/odor, while searching.
 - 3.7.9 Excessive interest in distracting odors or stimuli or preoccupation with scent-marking.
 - 3.7.10 Failure to follow presentations.
 - 3.7.11 Overreliance on presentations or encouragement from the evaluator/handler to maintain productive search behavior.
 - 3.7.12 The canine shall not allow distractions (noises, objects in the area, or other people) to repeatedly disrupt its search behavior. During the search, the canine will be expected to tolerate close contact with one or more persons. These persons may speak to or touch the canine. These persons may also make noise or use objects in the environment to provide strong visual and auditory stimuli.

3.7.13 Frustration demonstrated by barking or other vocalizations.

3.7.14 Repetitive open mouth searching as opposed to sniffing behavior during a search.

3.7.15 Dogs requiring excessive amounts of praise to perform tasks. The emphasis is for a dog with strong independent search abilities.

3.7.16 Repetitive immature behaviors.

4. Assessment Requirements (General)

4.1 The expectation is that the vendor has prepared the dog to the standards set forth in this statement of work. Trainability will be evaluated during the assessment, but will not outweigh deficiencies in the assessment criteria. It must be made clear that excessive use of praise or motivational rewards will not be used as a means to assist the dog with a specific socialization, environmental stability or search assessments. Searching ability with effective olfactory acuity should be self-driven for the dog and independent from the handler's input.

4.2 The canine(s) general assessment begins as soon as the canines are received by CTC staff and continues until they are accepted or disqualified. This includes observations made by all persons handling or observing the canine during the assessment period. The assessment will conclude at acceptance or disqualification and may last up to ten working days.

4.3 The vendor will have prepared the canine sufficiently to be resilient to the stress associated with the procurement process. This should include but not be limited to- transport in canine trailers, handling by strangers, unfamiliar kennel environs, veterinary care in a very large veterinary hospital (in muzzle), and unfamiliar assessment environments.

4.4 Vendor participation- A demonstration will be offered for vendors, prior to the placement of an order, to observe a canine being taken through the assessment areas with an evaluator demonstrating how each assessment will be performed. Vendors are allowed to be present during testing events providing they receive prior approval from the CTC, and remain in an observation capacity throughout the assessment.

4.5 Medical

4.5.1 A full medical warranty of 60 days (from date of delivery of canine) is required. The medical warranty shall include the vendor assuming responsibility to retrieve any canine determined to have a pre-existing medical condition that is discovered or becomes symptomatic after acceptance/delivery. The vendor shall take possession of the canine within 14 calendar days of notification and be responsible for costs associated with air shipment from San Antonio International Airport or their travel to and from the CTC to recover the canine.

4.5.2 Prescreen- Medical records and diagnostic quality radiographs must be delivered to CTC a minimum of 20 calendar days prior to canine arrival at CTC, unless otherwise stated in

individual orders. Failure to meet the established deadline could cause the cancellation of the order. Complete medical record delivery instructions for orders along with a delivery tracking spreadsheet are provided as Attachment (2) and (3) respectively.

4.5.3 In processing- All canines will be given a preliminary physical examination by a veterinarian prior to being placed in the kennel population to prevent the spread of infectious disease and to make sure canines are healthy upon receipt. Canines may be given prophylactic veterinary treatment to protect the canine from coccidia and giardia infections. Each canine presented will have blood taken and stored during the intake process. Provided the canine passes the required assessments, the stored blood will be sent to the lab for testing for *Trypanosoma cruzi* (Chagas disease). This process can take in excess of three business days and the canines will not be considered medically cleared until the results are received. A dog which tests positive for Chagas will be medically eliminated from consideration and may not be re-presented.

4.5.4 At acceptance - A canine will only be given full veterinary examination after the CTC has accepted the canine after behavioral assessment. (see Attachment 1 Medical Requirements and Evaluation)

4.5.5 Pre-existing medical conditions that become symptomatic within 60 days from date of delivery will be rejected and returned to the vendor for refund or replacement.

4.5.6 Behavioral

4.5.6.1 General outlook - Canine must acclimate to a large kennel environment and be properly conditioned to be moved in and out of that environment. Additionally, the canine must be conditioned to a large volume veterinary hospital, and being transported in vehicles and canine trailers. Canines showing adverse behavioral or medical reactions while at Lackland AFB may be deemed unsuitable for assessment.

4.5.6.2 Reward types - Food reward is not acceptable. Kongs, tennis balls, rubber balls, tugs, bumpers, and squeaky toys are acceptable. These objects should be K9 safe and the canine should be highly motivated to possess the object. The canine's preferred reward will be listed in the deliverables on the Order Tracking Sheet.

4.5.6.3 Trained behavior will be warranted for 30 days after acceptance. Canines with severely degraded assessed behavior, as defined in SOW Section 5, will be returned to the vendor who may retrain, replace, or refund that canine.

5. Assessment Requirements (Specific) - The assessment criteria for all detection canines procured will be for canines capable of working in an active, high paced and dynamic environment with many distracting stimuli (startling noise, ambient noise, other people, other dogs, and other objects). During the period of acclimation and throughout the assessment process, the canine will be observed to ensure the canine does not have environmental deficiencies or sociability issues. The canine shall be capable of displaying a strong ability to adjust to differing environments such as, but not limited to, tight spaces, various surfaces, odors, noises, stairs, vibrations, stable and unstable elevated surfaces, and movements, while maintaining the ability to actively search. This assessment will be conducted through a phased testing approach. The canine will be required to show boldness, persistence in the

search, commitment to odor, and a desire to work in each phase of testing. During searches, areas without rewards or explosive odor present will be used. Prior to making Pass/Fail decisions, tests may be repeated, in any combination, as many times as the evaluator deems necessary to further assess any demonstrated behaviors. The evaluator may also omit certain tests or parts of tests.

5.1 **Phase I - In Phase I, all canines presented**, will be assessed for their environmental stability and reward interest and will be evaluated under the below criteria.

- 5.1.1 Environmental - This environment should be unfamiliar to the canine and features a number of intense stimuli that can be used to test the canine's environmental stability, or "boldness". Stimuli of interest include tight spaces such as closets and cabinets, unstable surfaces, slick floors, elevated footing, obstacles, stairs, noise, moving/startling objects, lights, and groups of people. Any and all such stimuli may be used to assess the stability and "boldness" of canines presented to TSA for possible purchase. The canine will not be routinely played with or stimulated with a reward object (e.g. Ball or Kong). To be eligible for TSA purchase, the canine should behave boldly and fearlessly. The canine will be required to independently jump onto stable and unstable elevated surfaces without fear or hesitation. The elevated surfaces will be approximately standard table height. If the canine is momentarily fearful, it may still be considered for purchase provided it recovers quickly and if it displays sufficient willingness to confront stressful stimuli.
- 5.1.2 Muzzle, Equipment, and Crate - During the evaluation canines will be expected to accept wearing a muzzle as well as being placed in and removed from a crate and will be handled by TSA trainers for these procedures. The canine must be willing to accept various equipment such as a collar, choke chain, martingale collar, and harness. Canines that struggle excessively, become aggressive or excessively inhibited in either of these situations may be rejected. (Reference 3.6.4)
- 5.1.3 Approach - The canine will be subjected to approaches by single or multiple people, with and without luggage. The canine must display confidence and sociability toward those approaching him/her with no fear or aggression displayed.
- 5.1.4 Static Object - The canine is held at the end of the leash on a flat collar. The tester shows the reward object to the canine and places it on the ground within six feet of the canine. The tester then steps away and watches the canine for a minimum of 15 seconds. During this observation period, distracting noises will be made using objects or items within the testing environment. This test is designed to assess the strength of the canine's interest in the reward object. Reward interest is evaluated in terms of the canine's tendency to focus on the object without interruption and the canine's tendency to resist distraction.
- 5.1.5 Thrown Object - The evaluator will retrieve the reward object and throw it within the testing area. The canine is expected to pursue and pick up the object. Reward interest is evaluated in terms of the speed and eagerness with which the canine pursues the object and picks it up.
- 5.1.6 Possession - Without providing any praise or stimulation, the canine is allowed to interact independently with the reward object for a minimum of 15 seconds. Reward interest is

evaluated in terms of how concentrated the canine appears to be on the object (chewing, mouthing, and coveting the object), and how the canine maintains physical possession (holding the object) and mental possession (remaining near the object, looking at the object, and refusing to walk away without picking it up). After picking up the reward object, it is permissible for the canine to seek attention from or investigate people in the area, and the canine may even drop the object momentarily, so long as it immediately scrambles to recover it. If the canine drops the reward object and leaves it, or drops it repeatedly, this may result in failure. Possession will continue to be tested and observed throughout the entire testing process. Breed specific behaviors will be considered.

5.1.7 Physical Possession - The evaluator will attempt to physically take the object away from the canine by pulling or tugging at the reward. If the evaluator cannot take the object, then the handler attempts to take it away, or "OUT" the canine. Reward interest is evaluated in terms of how stubbornly and powerfully the canine resists physical attempts to take the object (i.e. plays tug-of-war). Breed specific behaviors will be considered.

5.2 Phase II - Phase II testing will only apply to canines presented in the EDC Basic and PSC Basic categories and will be tested in the following areas:

5.2.1 Open Area - This test is performed providing the necessary environment (normally an open, outdoor area with groundcover) is available. The location is at the evaluator's discretion. The evaluator will throw or place the reward object into an area of concealment without the canine watching. The canine will then be brought into the area to search. Active search behavior is evaluated in terms of intensive sniffing and investigation of the environment. Odor localization aptitude and odor responsiveness are evaluated in terms of magnitude of behavior change in response to reward object odor and bracketing upwind to source. The initial test will consist of a minimum of three trials and the canine must continue to actively search, by olfactory sense, for the reward item until located.

5.2.2 Room Search - The evaluator may pretend to place the reward into the environment while the canine watches. The canine is allowed to pull forward and search, either on leash or a dropped leash, for the reward. Over the course of a minimum of three searches, active search behavior is evaluated in terms of intensive sniffing and investigation of the environment. In order to pass the test, the canine is expected to search, by olfaction, and to show the potential to learn to recognize target odor. When the canine sniffs the odor source, the evaluator provides a reward, most often by tossing a second reward item at odor source. The canine is expected to remain at the source of the reward object without losing interest and/or walking away until rewarded. At some point during detection testing, the canine may be expected to accept being placed in a sit position after sniffing reward odor. The canine is not expected to sit easily or automatically after sniffing reward odor, but is expected to accept the "sit" without becoming fearful or skittish, without struggling excessively against the "sit", and without exhibiting excessive disruption of search behavior or reward object interest. In order to pass, the canine shall show satisfactory physical stamina, evaluated in terms of how much physical work and searching the canine can engage in before exhibiting signs of stress such as panting and loss of interest in searching.

5.3 Phase III - Phase III testing will only be administered to a canine presented under the PSC Basic category. The Evaluator maintains the right to configure the number, location, and function (moving or stationary) actions of the Role Player personnel. The details of the test are as follows:

- 5.3.1 Environmental - Additional environmental testing will be performed beyond that of the Phase I. Canine will be expected to negotiate various staircases, including but not limited to, metal or wooden construction, closed and open where the floor below can be seen, and multilevel. The canines are expected to negotiate a variety of stairs, exhibiting boldness and confidence while ascending and descending without interaction or encouragement from the handler. Canine will be required to navigate through luggage areas and confidently work on and around baggage handling equipment such as baggage carousels. Finally, the canine will be subjected to Rail Cars or Aircraft with an expectation to display a desire to work in those areas including the confined spaces, elevated locations, and accept handler direction to search high upon seat rows.
- 5.3.2 Search with Role Players - PSC searches in Phase III will be conducted in a terminal environment with seated Role Players. The reward will be secreted on or near the Role Players to assess the canine's willingness to search by olfaction and locate the reward. The canine is expected to remain at the source of the reward object without losing interest and/or walking away until rewarded. Canines that display overly social or rude behaviors around the Role Players may be rejected.
- 5.3.3 Follows - This test is designed to determine the canines desire to locate and follow a reward retained by a person. The canine will be enticed by the reward carrying person. As the person walks away, the canine will be evaluated on its desire to follow and retrieve the reward without signs of aggression, leash sensitivity or over-socialization.
- 5.3.4 Operational Airport - All canines being evaluated under Phase III, who successfully pass the room searches and follows, will be evaluated in an operational airport environment at San Antonio International Airport or other suitable airport. The canine will be walked, on leash from a harness, through the airport and be required to confidently negotiate the "unsecure" side of the facility. This will include interaction with automatic doors, baggage carousels, escalators, elevators, stairs, vehicle and pedestrian traffic, elevated walkways, and noises from vehicles, equipment, and aircraft. The reward will not be used to entice the canine to successfully negotiate the environment. A lack of boldness or desire to work in this environment may constitute a failure of the evaluation as determined by the evaluator.

5.4 Phase IV - Only canines undergoing evaluation for PSC Ready will be subjected to Phase IV testing. Under Phase IV, canines will be required to successfully locate the full complement of explosive odors (with a minimum overall find rate of 93%) in all six of the required EDC areas and have a 100% find rate in the PSC portion. The allowed number of Non-Productive Responses (NPR) and missed explosive training aids will be determined by the current CTC Evaluation Standard. Additionally, canines must exhibit the desire to search independently of the evaluator, in a systematic manner, with minimal presentations. Further, the canine must be proficient in release of the reward by either extracting it from the canine's mouth or the canine dropping it on the floor when commanded by the evaluator. Provided the canine passes Phase I, he/she will then undergo testing in Phase IV as follows and must display a desire to work for the entire search in

each area: Note: Any of the areas described below may contain luggage at the discretion of the evaluator. The CTC reserves the right to test PSC Ready canines on any or all portions of Phase II or Phase III testing. Note: For a canine to qualify as PSC Advanced, the canine must be successful in the majority of Phase IV testing as determined by the evaluator.

5.4.1 EDC Search Areas (6) - EDC Search Areas are airport style terminals, cargo warehouses, luggage, aircraft, vehicles, rail cars, and any of the associated equipment. A search of these areas will consist of multiple explosive training aids planted throughout the facility (not on personnel) at a depth of no more than three feet and not more than six feet in height. Additionally, distractor material, such as items of novel odor and food, can be placed in the area. Canines are expected to locate the concealed explosives and exhibit a passive response in the form of a "SIT". Role Player personnel can be placed in any or all of these areas.

5.4.1.1 Terminal - The canine must independently search under and around seats, ticket counters, and all other productive areas found in the airport environment. This area will be equivalent to approximately seven airport gates.

5.4.1.2 Cargo Warehouse - The canine will be required to effectively search various types of warehouse areas including but not limited to storage racks, shipping containers, pallets, baggage movement equipment, and the associated support equipment in an area up to 10,000 square feet.

5.4.1.3 Luggage - The canine must independently search all sides of each piece with no more than two presentations required by the canine per bag. For "packs" configuration (no more than 5 bags grouped together), the canine must search all sides of the group with no more than two presentations required by the canine per pack. These bags will be standard luggage seen in airports and will not include backpacks, garment bags, duffle bags, brief cases, or gym bags. This area will require the search of up to 40 bags.

5.4.1.4 Aircraft - The canine must systematically search the interior of the aircraft. The canine must search each row of seats to the bulkhead as well as the overhead compartments, lavatories, and galley. Canines who excessively jump onto the seats without searching the seats may be eliminated from testing.

5.4.1.5 Vehicles - The canine must search door seams, bumpers, and wheel wells requiring no more than two presentations per vehicle. The assessment in vehicles includes cars, trucks, and buses and will require a search of 30 vehicles and six buses. Buses will be searched and conducted in the same manner as aircraft in para. 5.4.1.4.

5.4.1.6 Rail Cars - A minimum of two passenger type rail cars will be searched and conducted in the same manner as aircraft in para. 5.4.1.4.

5.4.2 PSC Search Areas (2) - There are two areas of assessment for PSC searches where the explosive training aids are hidden anywhere on a person including but not limited to an ankle, leg, waist, a worn/carried backpack, or carried/rolling luggage.

5.4.2.1 The first area will consist of the canine searching an airport terminal style facility. This will require the canine to effectively work around people (seated, standing, and walking) and successfully locate the explosive training aid on an individual.

5.4.2.2 The second area of assessment will be the use of Role Player personnel, static or moving, where the canine will be required to search the people in a simulated checkpoint security line. The canine will be required to search, in a clockwise and counter-clockwise pattern, searching for an explosive training aid concealed on a person. The canine is expected to effectively search the group for up to 30 minutes.

5.4.2.2.1 The group will be comprised of up to 40 Role Players (the person with the explosive training aid, referred to as the “decoy”, will be concealed in another area) and will have members substituted in and out of the exercise as directed by the evaluator. The evaluator will determine when it is appropriate to have the decoy enter the group. Upon entering the group, the canine being evaluated will be expected to recognize and respond appropriately to the presence of explosive odor. Upon this recognition, the evaluator may instruct the decoy to leave the group and the canine must follow the decoy until rewarded or give a passive (Sit) response in the event the decoy stops. At no time can the canine exhibit aggression toward anyone or anything associated with assessment. The canine must remain engaged in searching with little to no input or encouragement from the handler.

5.4.2.2.2 Explosive training aids will NOT be placed above the knee on a seated decoy. Canines are allowed to make physical contact with people, as long as they do not display rude or intrusive behaviors. These behaviors are defined as any contact that causes discomfort or movement of a Role Player or excessive nudging of training aids.

6. **Order completion** - Vendors are expected to present the required number of canines to fill each order. Should insufficient canines be accepted TSA may offer one additional attempt for the vendor to complete the order. The second opportunity to complete an order will take place no later than sixty (60) days after the initial assessment. The vendor also has an option to offer a canine at a lower assessment level (e.g. sell as PSC Advanced if the canine does not meet the standard as a PSC Ready) to facilitate order completion over return transport cost. If there is any funding remaining on the order after the second fulfillment opportunity, it will be de-obligated via unilateral modification by the CO.
7. **Assessment decisions** - All decisions by the CTC assessment team are final and non-negotiable. The failure to meet assessment standards will be listed by general category (referenced by Statement of Work (SOW) item number) only. Further discussion will be offered only for canines demonstrating that remedial training may help them be successful in a second attempt at assessment. CTC reserves the right to permanently disqualify any candidate from further testing or future reassessment. Behavior stability for trained canines will be guaranteed for 30 days after acceptance. Pre-existing medical conditions that will impact the canine working ability will be returned to the vendor for refund or replacement. Canines surgically or physically altered under routine veterinary care

(gastropexy, desexing, or tattoo) can still be returned for a full refund or replacement should a veterinary diagnosed pre-existing condition become apparent after acceptance.

8. Deliverables

- 8.1. Order tracking - Canine name, breed, sex, color, tattoo if applicable, microchip number, reward, radiograph dates with confirmation that they are marked correctly, vaccination dates, and blood chemistry/CBC dates on an excel spreadsheet which is provided as Attachment (3).
- 8.2. Medical Records - Along with the diagnostic quality radiographs, complete records of care given while the canine has been in possession of the vendor, a current blood chemistry profile (Antech Chem 11 or similar) with a complete blood count, current vaccination records, a spay certificate for female canines as applicable, will be mailed or otherwise delivered to CTC. All vet records must be in CTC possession a minimum of 20 calendar days prior to the canines' arrival unless otherwise specified in the order. **All electronic records must be provided in CD format or through a system such as AMRDEC.**
- 8.3. Transportation - A copy of contract, valid driver's licenses, proof of insurance, or rental agreement must be available for inspection upon arrival to facilitate access to Joint Base San Antonio-Lackland.

9. Delivery

- 9.1. All deliveries shall occur within the timeframe specified in the individual orders, with a typical delivery occurring within 60-90 days from date of order. Complete canine delivery instructions are provided as Attachment (4).
- 9.2. All deliveries will be made in compliance with the Animal Welfare Act and established TSA policy for canine transport. Health certificates must be current and presented upon initial medical screening. Current policy restricts canines from being transported in cargo trucks not designed for live animal transport or without sufficient ventilation and temperature control. The use of a leased conveyance must be approved by the leasing agency for live animal transport and annotated on leasing contract.
- 9.3. The CTC works cooperatively with USAF Canine Logistics, USAF Security Forces and USA Veterinary Services to coordinate housing/care for the Canine, access the JBASA-Lackland, and for veterinary screening. This coordinated effort requires advanced arrangements to assure resources, such as kennel space, support equipment, and training venues are available to perform a complete canine assessment. The vendor must read and follow all instructions thoroughly (including all attachments). Delivery dates and times must be strictly adhered to as written in the attachments and in coordination with the CTC COR or appointed CTC staff members. **No deliveries will be accepted if not coordinated through the CTC COR or appointed staff. Shipments are not accepted outside of the normal duty hours of the CTC and the vendor must notify the COR of their arrival time 48 hours prior.**

Post-Award Changes - All standards and requirements, as outlined in this SOW, may change due to the dynamic environment that the TSA and its canines operate in. Contract modifications may be

necessitated in response to new and emerging threats to our transportation systems. As a result, the vendor(s) shall be flexible in its training curriculum in order to provide canines that can meet the new performance requirements and/or threat detection standards that may arise during the period of performance of this BPA.

10. Site Visits - CTC representative(s) may travel to the vendor’s training facility to conduct site assessments to assist vendor start up and/or suitability for local consignment testing.

11. Period of Performance - The period of performance is five years beginning on the date of BPA award. BPA Calls must be awarded within the BPA’s period of performance. The period of performance of BPA Calls may extend beyond the BPA’s period of performance, but cannot exceed 12 months from the BPA’s expiration date.

ATTACHMENTS

No.	Attachment Title
1	Medical Requirements and Evaluation
2	Medical Record Delivery Instructions
3	Delivery Tracking
4	Canine Delivery Instructions

ATTACHMENT 1

MEDICAL REQUIREMENTS AND EVALUATION

1. In general, all canines will be in excellent health with no acute or chronic disease or condition, which could either hamper their ability to perform, or would be excessively costly to treat. At the time of evaluation, each dog shall be medically able to enter training. Dogs must be microchipped with an International Organization for Standardization (ISO) standard microchip prior to presentation.

1.1. Medical Screening of Radiographs of Candidate Dogs- Contractors must submit diagnostic quality film or digital radiographs, at no cost to the government, to the Canine Training Center, for *non-binding* evaluation of elbow, lumbar spine and hip conformation a minimum of 20 calendar days prior to the start of the evaluation unless otherwise specified on the order. The positioning and technique required for these radiographs must follow the guidelines in the Procurement Radiographs presentation published by 341 TRS/SGV and provided to all contractors in conjunction with the Statement of Work regarding flexed lateral projections of both elbows, ventrodorsal hip-extended projection of the pelvis, and lateral projection of the lumbar spine. This may help the vendor determine whether to present the dog for evaluation. Minimum data imprinted (“flashed”) permanently on the radiograph/digital image at the time of exposure will include dog identification (name, tattoo/brand number, if assigned, and microchip number), whelping date, the facility at which they were taken, and date of examination. Date of radiographic examination will be no greater than 4 months (120 days) prior to evaluation of the dog by the medical evaluation team. Following initial radiographic screening, vendors will be notified if radiographs for any dog they intend to present are not of sufficient diagnostic quality and will need to be repeated prior to scheduled arrival. Dogs may be rejected upon initial arrival examination if their radiographs are not submitted before scheduled arrival, or are inadequate for evaluation until repeat radiographic submissions are of satisfactory diagnostic quality.

1.2. The cost of radiographic examinations or any other medical screening or procedures performed by private veterinarians is not reimbursable by the government.

1.3. Upon arrival at the designated training site, veterinary officers supporting the TSA will examine all dogs that have passed the initial identification process. This evaluation will include complete physical examination; collection of blood for routine testing; and possibly, anesthesia and radiographs of the hips, elbows, lumbar spine or other areas based on examination, even if imaging has been performed previously by the vendor. Laboratory availability may affect the procurement team’s ability to perform specific tests. However, the laboratory minimum database will include: blood urea nitrogen, blood creatinine, serum electrolytes, blood glucose, packed cell volume, and total solids. Screening for infectious diseases/organisms such as T. Cruzi, Leishmania sp, Lyme disease, or other diseases/organisms depending on origin of the dog may be required as determined by the veterinarian. The veterinarian will assess abnormalities to determine the presence of acute or chronic disease processes that may have long-term medical care implications for the dog. If further evaluation is warranted, tests may be completed at the discretion of the veterinarian or the dog may be determined to be unacceptable. The following areas are evaluated closely; most, but not all, disqualifying features are noted. A canine that has been presented once for consideration for purchase and that has been disqualified for medical reasons may not be resubmitted for consideration unless the vendor can document that the medically disqualifying condition has been corrected.

1.3.1. **Gait**- All canines shall display normal mobility at a walk and run. Canines are disqualified for any gait abnormality which could affect the dog's ability to perform normal TSA duties.

1.3.2. **Skin and Coat**-Skin and coat shall be healthy in appearance, displaying no evidence of chronic dermatitis, allergies, infections, injuries or marked external parasite infestation (e.g., mange, fleas, etc.). A matted, unthrifty hair coat may not be grounds for disqualification but will raise concern about the dog's general health.

1.3.3. **Teeth and Jaws**- Canines will have normal dentition and dental occlusion. Canines will be rejected if they have brachygnathism (undershot jaw) or prognathism (overshot jaws) if the veterinarian feels the condition will adversely affect eating or handling of the reward. All canine teeth shall be present and shall not be weakened by notching, enamel hypoplasia or excessive wear. Teeth will not have more than 1/3 inch of the tip missing or have pulp cavity exposed. Oral infection or excessive periodontal diseases are grounds for disqualifying a canine and broken teeth or excessively worn teeth may be disqualifying.

1.3.4. **Heart and Lungs**- Heart sounds, rate and rhythm shall be normal (e.g., no murmurs, arrhythmia, etc.). In general, the cardiovascular and respiratory system shall be normal at rest and upon exercise.

1.3.5. **Limbs and Joints**- Any condition of the bones, joints or muscles that might hamper or restrict the normal performance of duty is grounds for disqualification. Examples include:

1.3.5.1. **Hip dysplasia and elbow dysplasia**- A malformation of the hip and elbow joints, respectively, which usually results in degenerative joint disease, arthritis and chronic lameness. Radiographic evidence of hip dysplasia or elbow dysplasia or degenerative joint disease, as determined by the DOD veterinarian, will disqualify a dog.

1.3.5.2. **Fractures**, which are unhealed, are disqualifying. Healed fractures resulting in significant bone or joint conformation changes or lameness are disqualifying.

1.3.5.3. **Ligament damage**, osteoarthritis, etc., of the limb joints is generally disqualifying.

1.3.5.4. **Transitional vertebrae** of the caudal lumbar spine, lumbosacral junction or sacrum are disqualifying. Asymmetric pelvic attachment is also disqualifying.

1.3.6. **Nervous System and Basic Senses**- Any defect in the nervous system, to include the basic senses of vision, hearing and sense of smell, is disqualifying. Examples include, but are not limited to, opacities of the cornea, eyelid deformities, cataracts, retinal degeneration, chronic otitis, acute or chronic rhinitis/sinusitis and spinal disease.

1.3.7. **Heartworms**- All canines submitted for purchase shall be free of heartworm infection (*Dirofilaria immitis*). The presence of heartworm infection will be determined by using a heartworm antigen test. A negative heartworm concentration test (filtration or Knott's) is not sufficient evidence to declare the canine heartworm-free.

1.3.8. **Intestinal Parasitism**- Infection with intestinal parasites (roundworms, hookworms, tapeworms, etc.) may not be disqualifying, depending on the level of infection and the overall condition of the dog.

Presence of intestinal parasites is, however, an indication of poor care and will raise concern about the dog's general health.

1.3.9. External Parasitism- Presence of fleas, ticks, lice or mange mites may not be disqualifying, depending on the amount of infestation, the degree of associated skin disease, and the overall condition of the dog. Presence of external parasites is, however, an indication of poor care and will raise concern about the dog's general health.

1.3.10. Immunization- All dogs presented will have been vaccinated within the previous 12 months for rabies, canine distemper, canine adenovirus (TYPE 2), coronavirus, parainfluenza, parvovirus and leptospirosis. All dogs undergoing procurement testing at Lackland AFB shall additionally have been vaccinated for Bordetella within the previous 6 months (but no less than 1 month prior to presentation); preferably via the modified live oral or intranasal forms but the killed subcutaneous injectable version is also acceptable. Records of all vaccination administration must be copied from a legal veterinary medical record and signed by the licensed veterinarian responsible for administration of the vaccinations. A rabies vaccination certificate, with individual dog identification (name, tattoo, brand or microchip #) will be provided on all dogs. This facilitates health certificate preparation, if the dog is to be returned to the vendor.

1.3.11. Socialization- All dogs presented shall be socialized to medical examinations. Canines that cannot be properly examined due to poor socialization will be rejected. Rejected dogs may be returned after behavior has been modified to allow medical examination.

1.3.12. Reproductive and Urinary System- Any congenital or conformational abnormality is disqualifying, if the defect requires long-term medical treatment or results in a shortened working life of the dog. (e.g., cryptorchidism is not disqualifying unless the retained testicle results in medical complications not treatable by simple orchidectomy. A juvenile vulva resulting in urine scalding is disqualifying.)

1.4. Non-Availability of Military Medical Facilities- If military medical facilities are not available, the vendor shall provide a veterinary facility that can provide diagnostic quality hip, elbow, and lumbar spine radiographs/digital images (under sedation/anesthesia), if needed, and an examination room capable of supporting ophthalmology and cardiology examinations, and laboratory support to do basic serum chemistries. The vendor shall provide radiographs of candidate dogs for evaluation that have been completed no more than four (4) months prior to examination of the canine (images performed at time of examination are acceptable). The radiographs shall meet the minimum identification requirements of paragraph 1.1 above, shall be of diagnostic quality to allow complete evaluation, and shall include images of the hips, elbows, and lumbar spine. If any vendor-provided radiographs do not meet these requirements, the vendor will provide veterinarian facilities as stated to allow the buy team veterinary personnel to complete the necessary radiographs. Cost of additional radiographs to evaluate elbows, lumbar spine and hips, as determined by the procurement veterinarian, is not reimbursed by the TSA. The veterinarian shall complete the same medical evaluation as discussed previously.

1.5. In Case of Death or Illness Requiring Euthanasia- If the government returns a canine being considered for purchase to the vendor for any reason under this Statement of Work and it, within ten days of its return to the vendor, dies or develops an illness requiring euthanasia, the vendor will secure the services of a licensed veterinarian to conduct a complete necropsy of all organ systems of the deceased canine to determine the cause of death within four hours of the dog's death or euthanasia.

The government will reimburse the vendor for the cost of the animal (based on the corresponding BPA line item price for that breed) and the cost of the necropsy only if the necropsy indicates that a government act or omission proximately caused the death or the illness necessitating euthanasia. The government will not be responsible for the cost of the canine and/or the cost of the necropsy if more than ten days have elapsed between its return to the vendor and either the canine's death or onset of the illness requiring the euthanasia, regardless of the necropsy findings. If, while in the government's possession, a dog being considered for purchase by the government dies or develops an illness necessitating euthanasia, the government will conduct a complete necropsy of all organ systems of the deceased dog to determine cause of death within four hours of the dog's death or euthanasia. The government will reimburse the vendor for the cost of the dog (based on the corresponding BPA line item price for that breed) only if the necropsy indicates that a government act or omission proximately caused the death or the illness necessitating euthanasia.

1.6. Common Medically-Disqualifying Conditions- The following list is provided as a helpful guide and example to all vendors presenting dogs for purchase and is not intended to be a complete list or legally binding.

1.6.1. Hematological abnormalities consistent with severe parasitism, infection, or metabolic disease.

1.6.2. Poor body condition, either emaciation or obesity.

1.6.3. Severe periodontal disease.

1.6.4. Severe, non-resolving or intractable otitis externa or dermatitis.

1.6.5. Radiographic signs of hip or elbow dysplasia or radiographic evidence of degenerative joint disease.

1.6.6. Transitional vertebrae of the caudal lumbar spine, lumbosacral junction or sacrum are disqualifying, as is the presence of any degenerative change in the lumbar spine (such as arthritis). Asymmetric pelvic attachment is also disqualifying.

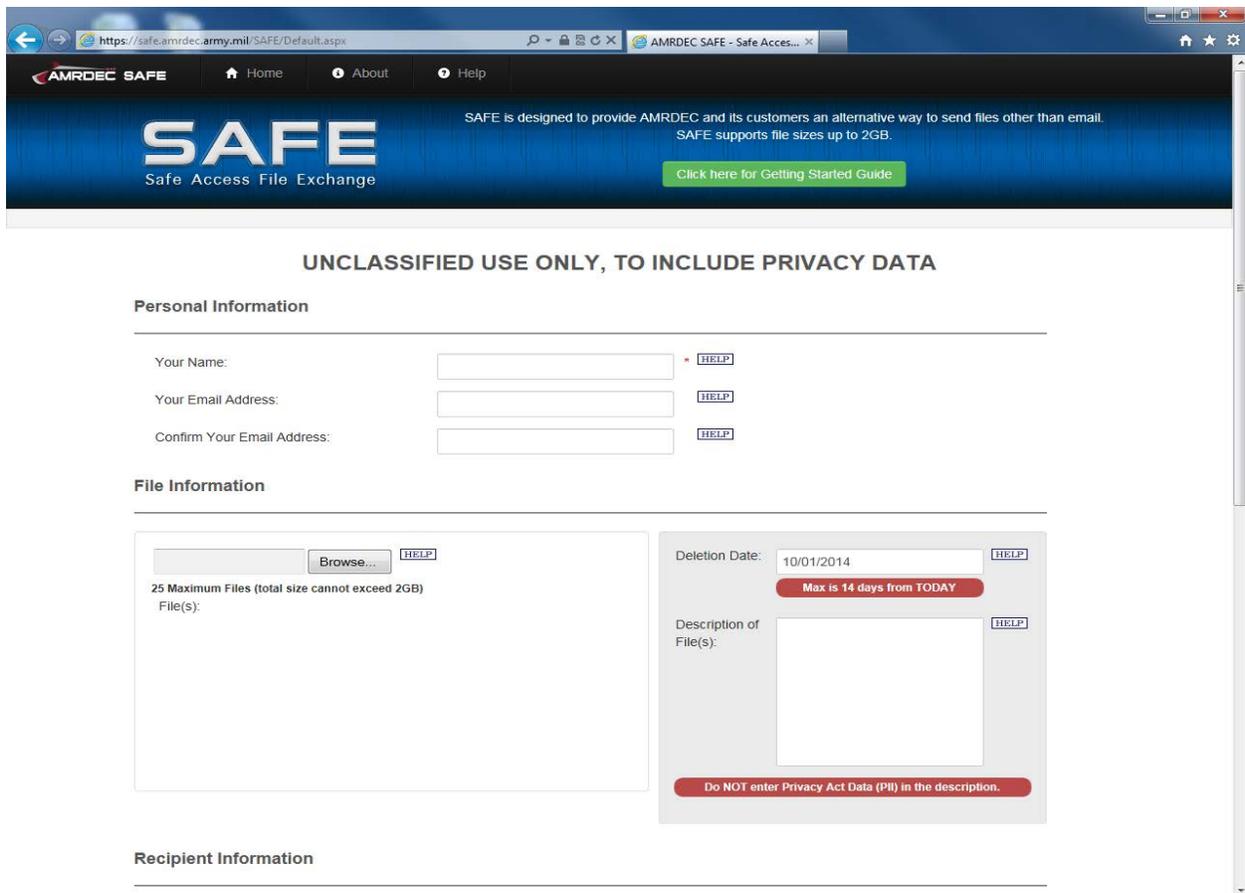
1.6.7. Previous musculoskeletal injury which has or may lead to degenerative joint disease or conformational abnormality.

technical requirements. Should the CTC become aware of a dog showing deficiencies under other recent evaluations, we reserve the right to reject the dog based on that knowledge.

Medical records and radiographs can be sent to the CTC in any manner the vendor chooses (FedEX, UPS) however, the following is the process for using AMRDEC (preferred method). AMRDEC is a free, secure file sharing system that transfers the uploaded documents immediately to the recipient. Although not required, the CTC has had great success with using this system.

INFORMATION FOR UPLOADING FILES FOR TRANSFER TO DODMWDVS FOR DOG VENDORS

1. Place all medical record documents (vaccination history, bloodwork, radiographs, other) you wish to submit for all candidate dogs into one folder and then save it as a .zip file.
 - a. Find the export file on the computer hard drive.
 - b. Right click on the folder name.
 - c. Scroll down to “send to” and select “compressed (zip) folder.”
 - d. Save the file as a .zip folder on the desktop.
2. Upload the file for delivery to recipient.
 - a. Go to the following website: <https://safe.amrdec.army.mil/SAFE/> ; use Non-CAC entry.
 - b. The following screen will come up:



The screenshot shows a web browser window with the URL <https://safe.amrdec.army.mil/SAFE/Default.aspx>. The page header includes the AMRDEC SAFE logo and navigation links for Home, About, and Help. A banner below the header states: "SAFE is designed to provide AMRDEC and its customers an alternative way to send files other than email. SAFE supports file sizes up to 2GB." A green button labeled "Click here for Getting Started Guide" is positioned to the right of the banner.

The main content area is titled "UNCLASSIFIED USE ONLY, TO INCLUDE PRIVACY DATA". Below this title are three sections:

- Personal Information:** Contains three input fields: "Your Name:", "Your Email Address:", and "Confirm Your Email Address:". Each field has a "HELP" button to its right.
- File Information:** Contains a "Browse..." button with a "HELP" button next to it. Below the button is the text "25 Maximum Files (total size cannot exceed 2GB)" and "File(s):". To the right of this section is a "Deletion Date:" field with the value "10/01/2014" and a "HELP" button. Below the date field is a red banner that says "Max is 14 days from TODAY". Below the date field is a "Description of File(s):" text area with a "HELP" button to its right. At the bottom of this section is another red banner that says "Do NOT enter Privacy Act Data (PII) in the description."
- Recipient Information:** This section is currently empty.

- c. Type in **your** name and email address.
 - i. This is the email address that notifications about your upload will be delivered to.
 - ii. Civilian email addresses should work without issue.

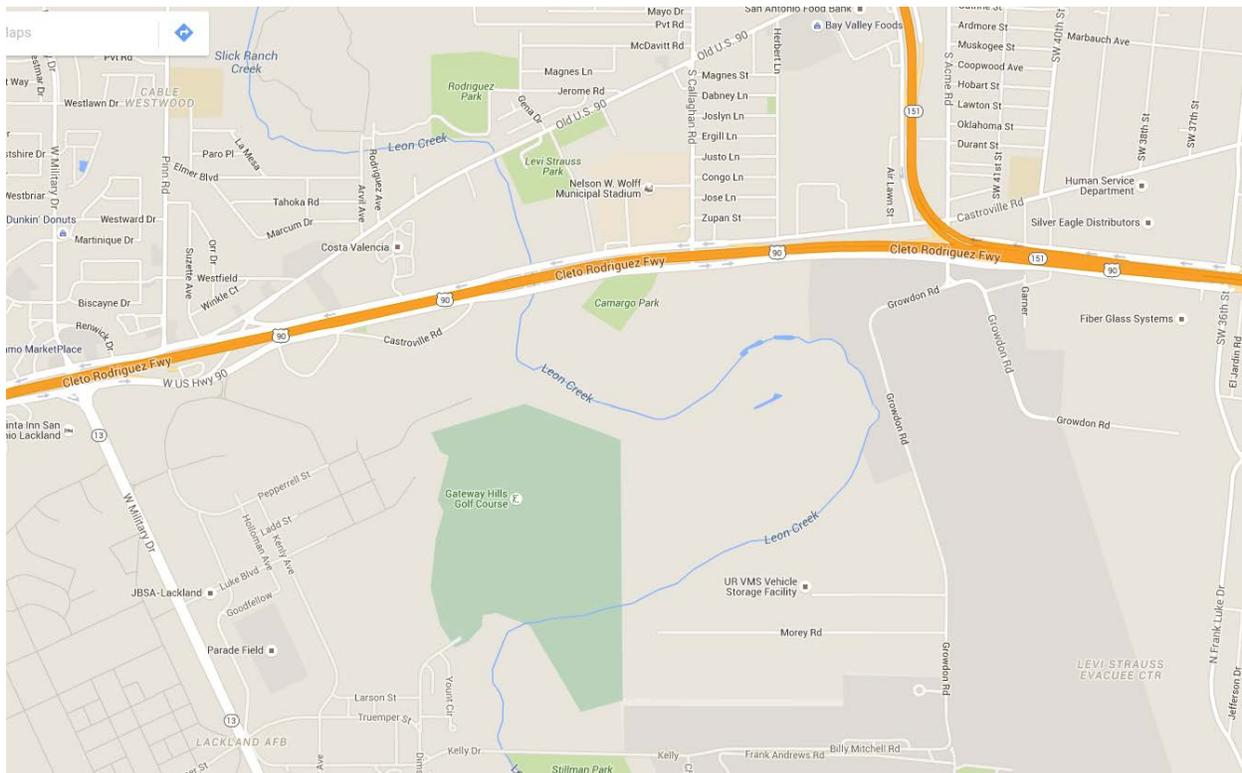
- d. Type in a short description of the file.
 - i. Make the description something that will alert the person you are sending files to what the files are that are waiting for download. This description will show up in the email the receiver gets in their inbox.
 - e. Select the number of separate files you want to upload using Browse function (25 max). Should just be one .zip file to send.
 - i. This box will list the selected files beneath the browse bar.
 - f. Select a deletion date (up to 14 days max) or leave as the default date.
 - g. Under Recipient Information, type an email address to **send to** and click Add.
 - i. The email address will show up in the “grant access to these people:” box.
 - ii. Only military email addresses that end in .gov or .mil can be recipients.
 - iii. For all medical record documents, please send to both Amanda.justice@tsa.dhs.gov and brandon.peters@tsa.dhs.gov.
 - iv. If you enter an email address incorrectly, you can delete it by highlighting/selecting the email address and clicking remove.
 - h. Click **Upload** under File Submission.
 - i. Read the warning message and click OK.
 - ii. Once the pop-up window shows the file upload is complete, you can close all of the website windows.
3. Your files are on the way to the recipients you selected.
- a. Each email address entered will receive an email with a link to the pick-up website, your file description, and a unique password.
 - b. If you ever receive an AMRDEC email back, highlight the password, right click and select copy.
 - c. Click on the website link.
 - d. Paste the password into the password box on the website.
 - e. Click Submit.
 - f. Select the first file in the download list.
 - g. Select Save and choose a location on your hard drive to save it.
 - h. When the download is complete, click Close.

ATTACHMENT 4

CANINE DELIVERY INSTRUCTIONS

Deliveries typically occur within 60 calendar days after receipt of order. Delivery dates and times must be strictly adhered to as written in the attachments and in coordination with the CTC COR or appointed CTC staff members. No deliveries will be accepted if not coordinated through the CTC COR or appointed staff. Shipments are not accepted outside of the normal duty hours of the CTC and the vendor must notify the COR of their arrival time 48 hours prior. This will ensure those delivering the canines have the correct contacts for the day of delivery and to confirm the delivery details (estimated time of delivery, place of delivery, need for escort, etc.)

All commercial vehicles transiting onto Lackland AFB, Texas must only gain entry through the Acme Commercial Gate, which is located on Growden Road just before Billy Mitchell Road (access is from Highway 90 onto Acme Road onto Growden Road to the right).



Vendor will need a copy of their contract with them, valid driver's license, proof of vehicle insurance, and valid ID's for anyone else in the delivery vehicle. The truck will be inspected prior to entry and depending on the day and amount of visitors, it may take 1-3 hours to gain base access. Delivery required during morning hours (0600-1000) in order that base access and unloading can take place. As stated in Statement of Work, please contact receiver 48 hours in advance of delivery. Primary Receiver POCs are Brandon Peters (210) 896-4772 or Amanda Justice (210) 880-7150.

Minimum vendor site requirements for the CTC to conduct assessments:

Evaluator's reserve the right to modify the vendor's testing area as necessary.

Environmental

- An open, indoor area large enough to do the approach and reward drills. An area approx. 20'x40' or larger should be good.
-
- An elevated, unstable surface; standard table height with the ability to make it unstable. –
- A room with objects, such as, old tires, blocks/bricks, furniture that the dog needs to negotiate.
- Staircase leading to a 2nd floor

Searches

- A series of rooms (minimum of 5) with a substantial amount of furniture items which can be used to hide a reward at varying heights and depths of no more than 5ft high and 1ft deep. Additionally, the evaluator's must have the ability to conceal the reward from the canine's sight.
- A large outdoor field for the Open Area searches.

Veterinarian

- Climate controlled room (12'x12') with a counter to work on and adequate lighting
- An Exam table
- Dog scale
- Electricity for computers and diagnostic equipment – min of 3 outlets
- Internet connectivity (if available)