



## **USAID Economic Resilience Activity (USAID ERA)**

Request For Proposals (RFP)

No. RFP-DC-23-0008

### **Procurement of Mobile X-ray Vehicle Scanners**

Issue Date: October 13, 2023

**WARNING:** Prospective Offerors who have received this document from a source other than [ERAhoprourement@dai.com](mailto:ERAhoprourement@dai.com) should immediately contact [procurement@dai.com](mailto:procurement@dai.com) and provide their name and mailing address in order that amendments to the RFP or other communications can be sent directly to them. Any prospective Offeror who fails to register their interest assumes complete responsibility in the event that they do not receive communications prior to the closing date. Any amendments to this solicitation will be issued through [ERAhoprourement@dai.com](mailto:ERAhoprourement@dai.com).

DAI conducts business under the strictest ethical standards to assure fairness in competition, reasonable prices and successful performance or delivery of quality goods and equipment. DAI does not tolerate corruption, bribery, collusion or conflicts of interest. Any requests for payment or favors by DAI employees should be reported as soon as possible to [ethics@dai.com](mailto:ethics@dai.com) or by visiting [www.dai.ethicspoint.com](http://www.dai.ethicspoint.com). Further, any attempts by an offeror or subcontractor to offer inducements to a DAI employee to influence a decision will not be tolerated and will be grounds for disqualification, termination and possible debarment. See provision No. 9 for more details.

## Table of Contents

<b>1. Introduction and Purpose .....</b>	<b>4</b>
1.1 Purpose .....	4
1.2 Issuing Office .....	4
1.3 Type of Award Anticipated .....	6
<b>2. General Instructions to Offerors .....</b>	<b>6</b>
2.1 General Instructions .....	6
2.2 Proposal Cover Letter .....	7
2.3 Questions regarding the RFP .....	7
<b>3. Instructions for the Preparation of Technical Proposals .....</b>	<b>8</b>
3.1 Services Specified .....	8
3.2 Technical Evaluation Criteria .....	8
<b>4. Instructions for the Preparation of Cost/Price Proposals .....</b>	<b>10</b>
4.1 Cost/Price Proposals .....	10
<b>5. Basis of Award .....</b>	<b>10</b>
5.1 Best Value Determination .....	10
5.2 Responsibility Determination .....	10
<b>6. Compliance with Terms and Conditions .....</b>	<b>11</b>
6.1 General Terms and Conditions .....	11
6.2 Prohibited Technology .....	11
6.3 Source and Nationality .....	11
6.4 Unique Entity ID (SAM) .....	11
<b>7. Anti-Corruption and Anti-Bribery Policy and Reporting Responsibilities .....</b>	<b>12</b>
<b>8. Attachments .....</b>	<b>13</b>
8.1 Attachment C: Proposal Cover Letter .....	14
8.2 Attachment E: Past Performance Form .....	15
8.3 Attachment F: Representations and Certifications of Compliance .....	16
8.4 Attachment G: Proposal Checklist .....	17

**Synopsis of the RFP**

RFP No.	RFP-DC-23-0008
Issue Date	October 13, 2023
Title	Procurement of Mobile X-ray Vehicle Scanners
Issuing Office & Email/Physical Address for Submission of Proposals	USAID Economic Resilience Activity (USAID ERA). . For proposals submissions the email address to use is <a href="mailto:ERAhoprocurement@dai.com">ERAhoprocurement@dai.com</a>
Bidder's Conference	A Pre-Proposal Bidder's Conference is scheduled for <b>October 20, 2023</b> , at 10:00 AM US Standard Eastern Time through Webex/Microsoft TEAMS. Pre-bidder's Conference Agenda will be shared with all prospective Offerors. While attendance at the pre-bidder's conference is not mandatory, all interested prospective suppliers are encouraged to attend to prepare acceptable proposals. Questions asked during the Pre-Bidder's Conference that would benefit all bidders shall be provided in an amendment to the RFP. Prospective Offerors must submit a request to attend the Bidder's conference via <a href="mailto:ERAhoprocurement@dai.com">ERAhoprocurement@dai.com</a> by <b>October 18, 2023</b> , not later than 5:30 PM US Standard Eastern Time, to receive log-in details and agenda of the conference.
Deadline for Receipt of Questions	<b>October 24, 2023</b> , no later than 5:30 PM, U.S. Standard Eastern Time, to the email address <a href="mailto:ERAhoprocurement@dai.com">ERAhoprocurement@dai.com</a> . All questions will be collected and replies to them will be sent via email to tender participants.
Deadline for Receipt of Proposals	<b>November 07, 2023</b> , no later than 5:30 PM US Standard Eastern Time to the email address <a href="mailto:ERAhoprocurement@dai.com">ERAhoprocurement@dai.com</a>
Point of Contact	<a href="mailto:ERAhoprocurement@dai.com">ERAhoprocurement@dai.com</a>
Anticipated Award Type	Firm Fixed Price Purchase Order (PO)  Issuance of this RFP in no way obligates DAI to award any subcontract and Bidders will not be reimbursed for any costs associated with the preparation of their proposal.
Basis for Award	An award will be made based on the Trade-Off Method. The award will be issued to the responsible and reasonable offeror who provides the best value to DAI and its client using a combination of technical and cost/price factors.

## 1. Introduction and Purpose

### 1.1 Purpose

The Ukraine Economic Resilience Activity (ERA) (8/27/2018 - 8/26/2026) was designed to strengthen the economy and improve the resilience of businesses and communities in eastern Ukraine following Russia's 2014 annexation of Crimea and the seizure of territory in the Donetsk and Luhansk Regions by Russian backed separatists.

Prior to the war, ERA had focused interventions on Donetsk and Luhansk Oblasts. In 2019, after Russia commandeered a Ukrainian naval ship and established a blockade, ERA also added the Sea of Azov (Zaporizhzhia and Kherson oblasts and municipal centers closest to the sea) to its area of operations. With the February onset of war in eastern and southern Ukraine, Russia has significantly damaged or destroyed most of ERA's previous implementation geography, including Mariupol, Sartana, Rubizhne, and Sievierodonetsk and occupied the cities of Berdiansk, Melitopol and Stanytsia Luhanska.

Currently, ERA focuses on support to the Government of Ukraine and the private sector to facilitate grain export through the Danube River and overland routes to the global market.

Due to Russia's large-scale invasion of Ukraine and the ongoing blockade of ports in southern Ukraine, as well as Russia's withdrawal from the grain initiative, exporters and importers are forced to switch from sea transportation to land transportation, which has significantly increased the load on checkpoints on the border with European countries. The lack of air traffic also affects passenger traffic by road and bus, which adds to the workload at checkpoints.

Due to the increase in traffic flow, passenger traffic by buses and cars, and the increase in cargo transportation, including grain trucks, the infrastructure of checkpoints on the border with European countries needs to be expanded and developed. To increase the capacity of the border of Ukraine with European countries, it is necessary to build new and reconstruct existing checkpoints, introduce automated systems for control and accounting of transport and cargo, and purchase other equipment necessary for more efficient operation of the checkpoints.

USAID ERA cooperates with the Ministry of Community, Territorial and Infrastructure Development of Ukraine, the State Agency for Reconstruction and Development of Infrastructure of Ukraine, and the State Customs Service of Ukraine, and the development of infrastructure at checkpoints on the border with European countries is identified as one of the priority activities. USAID ERA technical support will include support for the development of reconstruction and construction designs of checkpoints, development of designs for automating the passage of vehicles and cargo through checkpoints, assistance with the procurement and delivery of equipment, and other activities aimed at increasing the capacity of checkpoints.

### Technological requirements and description of equipment

ERA intends to procure 3 (three) Mobile X-ray vehicle scanners. Please refer to RFP-DC-23-0006 Attachment A VOLUME I Technical Proposal file for technical specifications, which are summarized below:

- The scanning system must be capable of inspecting containers as well as vehicles to verify the conformity of cargo with transportation documents and to detect hazardous objects inside containers, semi-trailers, trailers, and within the chassis of vehicles.
- The system should be able to scan in two modes:
  - Drive-Through Mode – The scanning system passes alongside the vehicles being scanned. The container and driver's cabin are inspected by a high-energy source of no more than 6 MeV while the driver or drivers of the vehicles are at a safe distance.

- Portal Mode – During scanning, the driver remains in the cabin of the vehicle, which they operate as it passes through an inspection portal. The container is inspected by a high-energy source of no more than 6 MeV.

- X-ray radiation is generated by a linear accelerator based on a solid-state modulator that allows for differentiation between organic and inorganic substances. Systems using radioactive sources are not considered.
- The energy of the X-ray source must be up to 6 MeV (inclusive).
- Penetrating ability through steel is not less than 320 mm.
- The maximum dose that operators receive at their workplaces should not exceed 0.5 µSv/h (microsieverts per hour).
- The vendor is expected to provide a minimum 3-year aftersales service with the supplied solution. The vendor shall include a service-based contract.
- Minimum 2-year warranty (Service Level Agreement).
- The bidder, in their application, shall outline separately the warranty, service and maintenance deliverable and, where necessary, parts supply. This package shall be listed separately in the price offering.

Please also include options for mobile scanners based on trailer chassis that meet technical requirements.

#### **Illustrative Deliverables Requirements:**

The deliverables below are illustrative. Deliverables will be discussed and finalized during the pre-award negotiation phase:

##### **Deliverable 1 – 30 days after the award of Purchase Order/Agreement (20% payment of the total amount of award)**

Design and Specification Approval: Upon awarding the contract, the vendor is expected to submit detailed designs and specifications of the mobile scanners for review and approval by the project team. The first payment installment will be made upon successful approval of these design and specification documents, ensuring that the equipment aligns with project requirements.

##### **Deliverable 2a – 200 days after the award of Purchase Order/Agreement (65% payment of the total amount of award)**

Delivery and Installation: The vendor is required to deliver and install the mobile scanners at the designated locations as per the technical specifications. Payment for deliverable 2 will be triggered upon successful delivery, installation, and verification that the equipment is fully operational and meets safety and regulatory standards.

##### **Deliverable 2b - Expedited production and delivery – (5% payment of the total amount of award)**

5% of the total award amount will be reserved by DAI as an incentive amount. 5% of the total award will be paid only when delivery is completed according to agreed delivery dates. Non-payable if the delivery date is past, or 5% of the total award is non-payable if goods are delivered past the agreed delivery date.

##### **Deliverable 3 – 210 days after the award of Purchase Order/Agreement (5% payment of the total amount of award) + (5% incentive award amount if not paid at the time of deliverable 2)**

On-Site Acceptance Testing, Training and Documentation: After installation, the vendor is responsible for conducting On-Site Acceptance Testing (SAT) in the presence of project representatives to confirm that the mobile scanners operate effectively in the actual operational environment.

Training and Documentation: The vendor is required to provide comprehensive training to Customs Service personnel on the operation, maintenance, and troubleshooting of the mobile scanners. Additionally, the vendor should deliver all necessary documentation, including user manuals and maintenance guides.

Payment for deliverable 3 will be achieved upon the successful completion of SAT, formal acceptance by the project team, successful completion of training and documentation of the delivery.

The proposal shall fully correspond to the specifications listed above and in Attachment A VOLUME I to this RFP.

Delivery and installation addresses:

- International Border Crossing Point Porubne, Chernivtsi Oblast – 1 unit
- International Border Crossing Point Uzhhorod, Zakarpattia Oblast - 1 unit
- International Border Crossing Point Dyakivtsi, Chernivtsi Oblast - 1 unit

*Note: Exact locations will be shared with the successful bidder during final contract negotiations.*

#### **Deliverable 4 Service Agreement for 3 years- (5% payment of the total amount of award)**

The vendor must provide the recommended servicing contract for at least three (3) years after installation that will be novated to State Customs of Ukraine or other Ukrainian government partners who own the equipment once DAI completes the ownership of the scanners.

#### **1.2 Issuing Office**

The Issuing Office and Contact Person noted in the above synopsis is the sole point of contact at DAI for purposes of this RFP. Any prospective offeror who fails to register their interest with this office assumes complete responsibility in the event that they do not receive direct communications (amendments, answers to questions, etc.) prior to the closing date.

#### **1.3 Type of Award Anticipated**

DAI anticipates awarding a Fixed Price Purchase Order.

A Firm Fixed Price Purchase Order is: An award for a total firm fixed price for the provision of specific services, goods, or deliverables and is not adjusted if the actual costs are higher or lower than the fixed price amount. Offerors are expected to include all costs, direct and indirect, into their total proposed price.

## **2. General Instructions to Offerors**

### **2.1 General Instructions**

“Bidder,” “Offeror,” or “Subcontractor” means a firm proposing the work under this RFP.

“Proposal” means the package of documents the firm submits in response to this RFP.

Bidders wishing to respond to this RFP must submit Proposals, **in English** in accordance with the RFP instructions. Bidders are required to review all instructions and specifications contained in this RFP. Failure to do so will be at the Bidder’s risk. If the solicitation is amended, then all terms and conditions not modified in the amendment shall remain unchanged.

Issuance of this RFP in no way obligates DAI to award a subcontract or purchase order. Bidders will not be reimbursed for any costs associated with the preparation or submission of their proposal. DAI shall in no case be responsible or liable for these costs.

Proposals are due no later than **November 07, 2023, 5:30 PM**, US Standard Eastern Time to the email address [ERAhoprocurement@dai.com](mailto:ERAhoprocurement@dai.com).

Please note that Bidders shall submit proposals only electronically via the email address [ERAhoprocurement@dai.com](mailto:ERAhoprocurement@dai.com).

Late proposals will be rejected except under extraordinary circumstances at DAI's discretion.

The submission to DAI of a proposal in response to this RFP will constitute a proposal and indicate the Bidder's agreement to the terms and conditions in this RFP and any attachments hereto. DAI reserves the right not to evaluate a non-responsive or incomplete proposal.

The RFP number and title shall be indicated in the subject line of emails.

Bidders shall sign and date their proposal cover letter. The Bidder shall submit this letter in .pdf format.

Bidders shall submit a cost proposal in accordance with the instructions in Attachment B: VOLUME II Price Schedule/Bill of Quantities and indicate its date. Bidders must indicate the prices of goods in the US Dollars currency.

**Value Added Tax (VAT) shall not be included in the Price Schedule.**

These services are eligible for VAT exemption on the basis of the USAID Contract №72012118C00004 registered with the Secretariat of Cabinet of Ministers of Ukraine, registration card #3987-17 dated March 06, 2023, accreditation certificate #288 dated January 11, 2017 (with amendments).

Each Bidder and any of its subsidiaries shall submit only one proposal.

## **2.2 Proposal Cover Letter**

A cover letter shall be included with the proposal on the Offeror's company letterhead with a duly authorized signature and company stamp/seal using **Attachment C** as a template for the letter's format. You can find the **Attachment C** in this template. The cover letter shall include the following items:

- The Offeror will certify a validity period of 60 calendar days for the prices provided.
- Acknowledge the solicitation amendments received.
- To confirm that offeror is not providing any goods and/or services that utilize telecommunications and video surveillance products from the following companies: Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company, or any subsidiary or affiliate thereof, in compliance with FAR 52.204-25.

## **2.3 Questions regarding the RFP**

Each Bidder is responsible for reading and complying with the terms and conditions of this RFP. Requests for clarification or additional information must be submitted in writing via email at [ERAhoprocurement@dai.com](mailto:ERAhoprocurement@dai.com) as specified in the Synopsis above.

Questions will not be answered by phone. Any verbal information received from a DAI or USAID ERA employee or other entity shall not be considered as an official response to any question regarding this

RFP. Copies of Questions and Responses will be distributed in writing to all prospective Bidders who are on record as having received this RFP after the submission date specified in the Synopsis above.

### **3. Instructions for the Preparation of Technical Proposals**

Technical proposals shall be sealed in a separate envelope from cost/price proposals and shall be clearly labeled as "VOLUME I: TECHNICAL PROPOSAL."

Technical proposals shall include the following contents.

1. **Technical Specifications:** Proposals will be evaluated for solution quality based on the requirements of the RFP and the Bidder's technical ability to deliver an acceptable solution. Bidder demonstrates technical competency and product specifications that demonstrate superior quality, product robustness, warranty, efficiency & performance, serviceability, and safety and security. The proposed equipment and vendor should be suitable and adequate to deliver solutions for use within the Ukrainian market. Vendors must be authorized distributors for the brand/manufacturer of equipment they are proposing in their proposal. Offerors may propose to bid with a servicing partner to compete for the service deliverable in the scope but must explain their relationship with the service provider and past work with them. Offers should propose their recommended 10-year service package.
2. **Delivery Timeline:** The bidder shall specify the earliest timelines around which the appropriate equipment can be reliably delivered and /or installed at the designated location. Expedited delivery is sought, and delivery schedule will be a determining factor in this award.
3. **Past Performance:** Provide evidence through past references, client letters of reference and/or completion certificates of the bidder's experiences, selling similar equipment or same category equipment.

The bidder must provide a list of at least three (3) recent awards of similar scope and duration. The information shall be supplied as a table and shall include the legal name and address of the organization for which services were performed, a description of work performed, the duration of the work and the value of the contract, a description of any problems encountered and how it was resolved, and a current contact phone number of a responsible and knowledgeable representative of the organization. Please fill out Attachment E of the RFP: Past Performance.

#### **3.1 Services Specified**

For this RFP, DAI is in need of the goods described in Attachment A, Detailed Technical Specification.

#### **3.2 Technical Evaluation Criteria**

Each proposal will be evaluated and scored against the evaluation criteria and evaluation sub-criteria, which are stated in the table below. Cost/Price proposals are not assigned points, but for overall evaluation purposes of this RFP, technical evaluation factors other than cost/price, when combined, are considered significantly more important than cost.



<b>Evaluation Criteria</b>	<b>Evaluation Sub-criteria</b>	<b>Maximum Points</b>
Technical Specifications	<p>Proposals will be evaluated for solution quality based on the requirements of the RFP and the Bidder's technical ability to deliver an acceptable solution. /</p> <p>Bidder demonstrates technical competency and product specifications that demonstrate superior quality, product robustness, warranty, efficiency &amp; performance, and serviceability.</p> <p>The proposed equipment and vendor should be suitable and adequate to deliver solutions for use within the Ukrainian market.</p> <p>Vendors must be authorized distributors for the brand/manufacturer of equipment they are proposing in their proposal.</p>	35 points
Servicing and maintenance	<p>The bidder should demonstrate the ability and capacity to provide servicing and maintenance during the life of the product in Ukraine. The bidder should indicate the typical lead time for servicing and maintenance after the request. Indicate the availability of remote diagnostics and support options. Indicate presence in Ukraine or neighboring countries of authorized staff or partners to provide servicing and maintenance. Indicate how long spare parts for the proposed model will be available on the market.</p>	20 points
Delivery Timeline	<p>The bidder shall specify the timelines around which the appropriate equipment can be delivered and/or installed at the designated location. Bidders will be evaluated on how quickly and reliably they are able to deliver the equipment. An expedited delivery schedule is a determining factor of evaluation.</p>	25 points
Past Performance	<p>Provide evidence through past references, client letters of reference and/or completion certificates of the bidder's experiences, selling similar equipment or same category equipment.</p>	20 points
<b>Total Points</b>		100 points

## 4. Instructions for the Preparation of Cost/Price Proposals

### 4.1 Cost/Price Proposals

Cost/Price proposals shall be sent in a separate attachment from technical proposals and shall be clearly labeled as "VOLUME II: COST/PRICE PROPOSAL." Provided in **Attachment B** is a template for the Price Schedule for fixed price awards. Bidders shall complete the template, including as much detailed information as possible. Pricing must be inclusive of all costs and include any installation/ assembly, setup services, any logistics, final delivery, equipment insurance cost and training services if required.

These goods are eligible for VAT exemption on the basis of the USAID Contract #72012118C00004 registered with the Secretariat of Cabinet of Ministers of Ukraine, registration card #3987-17 dated March 06, 2023, and accreditation certificate #288 dated January 11, 2017 (with amendments).

## 5. Basis of Award

### 5.1 Best Value Determination

DAI will review all proposals, and make an award based on the technical and cost evaluation criteria stated above and select the Bidder whose proposal provides the best value to DAI. DAI may also exclude a Proposal from consideration if it determines that a Bidder is "not responsible", i.e., that it does not have the management and financial capabilities required to supply and deliver the goods required.

Evaluation points will not be awarded for cost. The cost will primarily be evaluated for realism and reasonableness. DAI may award to a comparatively higher priced Bidder if a determination is made that the higher technical evaluation of that Bidder merits the additional cost/price.

DAI may award to a Bidder without discussions. Therefore, the initial Proposal **must contain the Bidder's best price and technical terms.**

### 5.2 Responsibility Determination

DAI will not enter into any type of agreement with an Offeror prior to ensuring the Offeror's responsibility. When assessing an Offeror's responsibility, the following factors are taken into consideration:

DAI will not enter into any type of agreement with a Bidder prior to ensuring the Bidder's responsibility. When assessing a Bidder's responsibility, the following factors are taken into consideration:

1. Provide copies of the required business licenses to operate in the host country.
2. Evidence of a Unique Entity ID (SAM) number (Please follow the instructions in **Attachment D** of the RFP package).
3. The source, origin and nationality of the services are not from a Prohibited Country (explained below).
4. Having adequate financial resources to finance and perform the work or deliver goods or the ability to obtain financial resources without receiving advance funds from DAI.
5. Ability to comply with required or proposed delivery or performance schedules.
6. Have a satisfactory past performance record.
7. Have a satisfactory record of integrity and business ethics.
8. Have the necessary organization, experience, accounting and operational controls and technical skills.
9. Have the necessary production, construction and technical equipment and facilities if applicable.
10. The company must be well-known worldwide and have a solid reputation for reliability and security.

11. Be qualified and eligible to perform work under applicable laws and regulations (availability of relevant licenses and certificates). Consent to receive payment for goods solely by bank transfer. Qualifications and permits to perform related works under acting legislation (availability of relevant licenses and certificates).
12. Registered / Preferred Distributor: the vendor shall provide evidence that they are a registered/preferred distributor in the territory of Ukraine for the Original Equipment Manufacturer (OEM) that has manufactured the specified equipment.
13. Serviceability: The vendor shall provide evidence of after-sales service capability for the specific equipment in Ukraine.
14. Installation: the vendor should provide evidence of capacity to services of installation and commissioning works.
15. Successful experience the firm has with related projects of similar scope and size.

## 6. Compliance with Terms and Conditions

### 6.1 General Terms and Conditions

Bidder shall be aware of the general terms and conditions for an award resulting from this RFP. The selected Bidder shall comply with all Representations and Certifications of Compliance listed in Attachment F.

### 6.2 Prohibited Technology

Bidders MUST NOT provide any goods and/or services that utilize telecommunications and video surveillance products from the following companies: Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company, or any subsidiary or affiliate thereof, in compliance with FAR 52.204-25.

### 8.3 Source and Nationality

Under the authorized geographic code for its contract, DAI may only procure goods and services from the following countries.

Geographic Code 935: Goods and services from any area or country including the cooperating country but excluding Prohibited Countries.

DAI must verify the source and nationality of goods and services and ensure (to the fullest extent possible) that DAI does not procure any goods or services from prohibited countries listed by the Office of Foreign Assets Control (OFAC) as sanctioned countries. OFAC-sanctioned countries may be searched within the System for Award Management (SAM) at [www.SAM.gov](http://www.SAM.gov). The current list of countries under comprehensive sanctions includes Cuba, Iran, North Korea, Sudan, and Syria. Goods may not transit through or be assembled in comprehensive sanctioned origin or nationality countries, nor can the vendor be owned or controlled by a prohibited country. DAI is prohibited from facilitating any transaction by a third party if that transaction would be prohibited if performed by DAI.

By submitting a proposal in response to this RFP, Offerors confirm that they are not violating the Source and Nationality requirements of the goods or services being offered and that the goods and services comply with the Geographic Code and the exclusions for prohibited countries outlined above.

### 8.4 Unique Entity ID (SAM)

There is a **mandatory** requirement for your organization to provide a Unique Entity ID (SAM) to DAI. Without a Unique Entity ID (SAM), DAI cannot deem an Offeror “responsible” to conduct business with

and therefore, DAI will not enter into a subcontract/purchase order or monetary agreement with any organization. The determination of a successful offeror/applicant resulting from this RFP/RFQ/RFA is contingent upon the winner providing a Unique Entity ID (SAM) DAI. Offerors who fail to provide a Unique Entity ID (SAM) will not receive an award and DAI will select an alternate Offeror.

Obtaining a Unique Entity ID (SAM) may take up to 3 weeks or more. Therefore, offerors are strongly encouraged to initiate the process to obtain a Unique Entity ID (SAM) prior to submitting an offer. If an offeror is selected for award but does not have a Unique Entity ID (SAM), DAI reserves the right to deem the offeror ineligible for award or apply additional conditions in any resultant subcontract/purchase order.

For those required to obtain a Unique Entity ID (SAM), see Attachment D - Instructions for Obtaining a Unique Entity ID (SAM)- DAI'S Vendors, Subcontractors

## **7. Anti-Corruption and Anti-Bribery Policy and Reporting Responsibilities**

DAI conducts business under the strictest ethical standards to assure fairness in competition, reasonable prices and successful performance or delivery of quality goods and equipment. **DAI does not tolerate the following acts of corruption:**

- Any requests for a bribe, kickback, facilitation payment, or gratuity in the form of payment, gift or special consideration by a DAI employee, Government official, or their representatives to influence an award or approval decision.
- Any offer of a bribe, kickback, facilitation payment or gratuity in the form of payment, gift or special consideration by an offeror or subcontractor to influence an award or approval decision.
- Any fraud, such as mis-stating or withholding information to benefit the offeror or subcontractor.
- Any collusion or conflicts of interest in which a DAI employee, consultant, or representative has a business or personal relationship with a principal or owner of the offeror or subcontractor that may appear to unfairly favor the offeror or subcontractor. Subcontractors must also avoid collusion or conflicts of interest in their procurements from vendors. Any such relationship must be disclosed immediately to DAI management for review and appropriate action, including possible exclusion from award.

These acts of corruption are not tolerated and may result in serious consequences, including termination of the award and possible suspension and debarment by the US Government, excluding the offeror or subcontractor from participating in future US Government business.

Any attempted or actual corruption should be reported immediately by either the offeror, subcontractor, or DAI staff to:

- Toll-free Ethics and Compliance Anonymous Hotline at (US) +1-503-597-4328
- Hotline website – [www.DAI.ethicspoint.com](http://www.DAI.ethicspoint.com), or
- Email to [Ethics@DAI.com](mailto:Ethics@DAI.com)
- USAID's Office of the Inspector General Hotline at [hotline@usaid.gov](mailto:hotline@usaid.gov).

By signing this proposal, the offeror confirms adherence to this standard and ensures that no attempts shall be made to influence DAI or Government staff through bribes, gratuities, facilitation payments, kickbacks or fraud. The offeror also acknowledges that violation of this policy may result in termination, repayment of funds disallowed by the corrupt actions and possible suspension and debarment by the US Government.

## 8. Attachments

Official RFP appendices are included in the RFP package:

**Attachment A: VOLUME I** Technical Specifications (Attached to this email)

**Attachment B: VOLUME II** Price Schedule (Attached to this email)

**Attachment C:** Proposal Cover Letter (Stated below in the RFP document)

**Attachment D:** Instructions for Obtaining a Unique Entity ID (UEI) number - DAI's Vendors, Subcontractors (Attached to this email)

**Attachment E:** Past Performance (Stated below in the RFP document)

**Attachment F:** Representations and Certifications of Compliance (Stated below in the RFP document)

**Attachment G:** Proposal Checklist (Stated below in the RFP document)

## 8.1 Attachment C: Proposal Cover Letter

Date:

TO:

Development Alternatives, Inc.

We, the undersigned, provide the attached proposal in accordance with RFP-DC-23-0008 dated October 13, 2023. Our attached proposal is for the total price of \_\_\_\_\_ (figure and in words).

We certify a validity period of 60 (sixty) calendar days for the prices provided in the attached Price Schedule. We certify our financial responsibility and acceptance of DAI payment terms, which is payment upon delivery and acceptance of the delivered goods/ provided services.

Our proposal shall be binding upon us subject to the modifications resulting from any discussions.

We confirm that we are not providing any goods and/or services that utilize telecommunications and video surveillance products from the following companies: Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company, or any subsidiary or affiliate thereof, in compliance with FAR 52.204-25.

We understand that DAI is not bound to accept any proposal it receives.  
Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

Telephone:

Email:

Company Seal/Stamp

## 8.2 Attachment E: Past Performance Form

Include projects that best illustrate your work experience relevant to this RFP, sorted by decreasing order of completion date.

Projects should have been undertaken in the past three years. Projects undertaken in the past six years may be taken into consideration at the discretion of the evaluation committee.

#	Project Title	Description of Activities	Location Province/ District	Client Email address Name/Tel No	Cost in US\$	Start-End Dates	Completed on schedule (Yes/No)	Completion Letter Received? (Yes/No)	Type of Agreement, Subcontract, Grant, PO (fixed price, cost reimbursable)
1									
2									
3									
4									
5									

### 8.3 Attachment F: Representations and Certifications of Compliance

1. Federal Excluded Parties List - The Bidder Select is not presently debarred, suspended, or determined ineligible for an award of a contract by any Federal agency.
2. Executive Compensation Certification- FAR 52.204-10 requires DAI, as prime contractor of US federal government contracts, to report compensation levels of the five most highly compensated subcontractor executives to the Federal Funding Accountability and Transparency Act Sub-Award Report System (FSRS)
3. Executive Order on Terrorism Financing- The Contractor is reminded that US Executive Orders and US law prohibit transactions with, and the provision of resources and support to, individuals and organizations associated with terrorism. It is the legal responsibility of the Contractor/Recipient to ensure compliance with these Executive Orders and laws. Recipients may not engage with or provide resources or support to, individuals and organizations associated with terrorism. No support or resources may be provided to individuals or entities that appear on the Specially Designated Nationals and Blocked persons List maintained by the US Treasury (online at [www.SAM.gov](http://www.SAM.gov)) or the United Nations Security Designation List (online at: [http://www.un.org/sc/committees/1267/aq\\_sanctions\\_list.shtml](http://www.un.org/sc/committees/1267/aq_sanctions_list.shtml)). This provision must be included in all subcontracts/sub awards issued under this Contract.
4. Trafficking of Persons – The Contractor may not traffic in persons (as defined in the Protocol to Prevent, Suppress, and Punish Trafficking of persons, especially Women and Children, supplementing the UN Convention against Transnational Organized Crime), procure commercial sex, and use forced labor during the period of this award.
5. Certification and Disclosure Regarding Payment to Influence Certain Federal Transactions – The Bidder certifies that it currently is and will remain in compliance with FAR 52.203-11, Certification and Disclosure Regarding Payment to Influence Certain Federal Transactions.
6. Organizational Conflict of Interest – The Bidder certifies that it will comply with FAR Part 9.5, Organizational Conflict of Interest. The Bidder certifies that is not aware of any information bearing on the existence of any potential organizational conflict of interest. The Bidder further certifies that if the Bidder becomes aware of information bearing on whether a potential conflict may exist, the Bidder shall immediately provide DAI with a disclosure statement describing this information.
7. Prohibition of Segregated Facilities - The Bidder certifies that it is compliant with FAR 52.222-21, Prohibition of Segregated Facilities.
8. Equal Opportunity – The Bidder certifies that it does not discriminate against any employee or applicant for employment because of age, sex, religion, handicap, race, creed, color or national origin.
9. Labor Laws – The Bidder certifies that it is in compliance with all labor laws.
10. Federal Acquisition Regulation (FAR) – The Bidder certifies that it is familiar with the Federal Acquisition Regulation (FAR) and is in not in violation of any certifications required in the applicable clauses of the FAR, including but not limited to certifications regarding lobbying, kickbacks, equal employment opportunity, affirmation action, and payments to influence Federal transactions.
11. Employee Compliance – The Bidder warrants that it will require all employees, entities and individuals providing services in connection with the performance of a DAI Purchase Order to comply with the provisions of the resulting Purchase Order and with all Federal, State, and local laws and regulations in connection with the work associated therein.

By submitting a proposal, offerors agree to fully comply with the terms and conditions above and all applicable US federal government clauses included herein and will be asked to sign these Representations and Certifications upon award.



#### 8.4 Attachment G: Proposal Checklist

Offeror: \_\_\_\_\_

Have you?

☐ Submitted your proposal to DAI in a sealed envelope to the address (electronic or mailing) as specified in the General Instructions above?

Does your proposal include the following?

☐ Separated Technical and Cost proposals individually sealed and labeled as Volume I and Volume II respectfully.

☐ Detailed description of the proposed boat accompanying brochure, including pictures/drawings.

☐ Signed Cover Letter (*use template in Attachment C*)

☐ Proposal of the Product or Service that meets the technical requirements as per Attachment A

☐ Response to each of the evaluation criteria

☐ Documents used to determine Responsibility.

☐ Evidence of an Unique Entity ID (SAM)

☐ Past Performance (*use template in Attachment E*)

☐ Valid Business License

## Attachment A VOLUME I Technical Proposal

### Mobile Scanning System with Portal Scanning Capability

№ 3/II	Parameter	Requirements
<b>I. Installation site</b>		
1	International Border Crossing Point Porubne, Chernivtsi Oblast – 1 unit	
2	International Border Crossing Point Uzhhorod, Zakarpattia Oblast - 1 unit	
3	International Border Crossing Point Dyakivtsi, Chernivtsi Oblast - 1 unit	
<b>II. System Parametrs</b>		
1.	Purpose	The scanning system must be capable of inspecting containers as well as vehicles to verify the conformity of cargo with transportation documents and to detect hazardous objects inside containers, semi-trailers, trailers, and within the chassis of vehicles.
2.	Scanning Method	<p>Scanning Modes:</p> <ol style="list-style-type: none"> <li>1. Drive-Through Mode – The scanning system passes alongside the vehicles being scanned. The container and driver's cabin are inspected by a high-energy source of no more than 6 MeV, while the driver or drivers of the vehicles are at a safe distance.</li> <li>2. Portal Mode – During scanning, the driver remains in the cabin of the vehicle, which they operate as it passes through an inspection portal. The container is inspected by a high-energy source of no more than 6 MeV.</li> </ol>
3.	Scanning Direction	The system must have the capability to scan in two directions.
4.	Structural Requirements	The scanning system must be easily and rapidly transportable (mobile). It should be equipped with a foldable, easily movable metal ramp capable of providing 100% scanning coverage of passenger and cargo vehicles. The installation and relocation of the system should not require any additional construction work.
<b>III. Primary technical characteristics</b>		
1.	System Chassis	The chassis must be of European or US manufacture with an engine class no lower than Euro 5.
2.	Tunnel Size	<ul style="list-style-type: none"> <li>– Width: 4000 – 5300 mm</li> <li>– Height: 5000 – 5550 mm</li> </ul>
3.	Maximum Dimensions of the Scanned Vehicle	<p>The scanning system must be able to scan vehicles with the following dimensional limits:</p> <p>Length – Unlimited</p> <p>Width – Up to 3.8 meters</p> <p>Height – Up to 4.9 meters</p>
4.	Minimum Scanning Height	The system must have the capability to scan at a minimum height of $\leq 0.15$ meters.
5.	Throughput Capacity	<p>The scanning system is capable of scanning:</p> <ol style="list-style-type: none"> <li>1. Portal Mode – Not less than 100 vehicles (18-meter container carriers) per hour.</li> <li>2. Drive-Through Mode – Not less than 20 vehicles (18-meter container carriers) per hour.</li> </ol>
6.	Time to Readiness for Operation	Deployment/setup and readiness for operation should not exceed 30 minutes.

№ 3/п	Parameter	Requirements
7.	Security System	<p>The status of the security system must be monitored using the following methods:</p> <ul style="list-style-type: none"> <li>- Information on the mode displayed on the operator's (operators') monitor(s).</li> <li>- Additional visual and auditory indicators on the equipment.</li> <li>- A red indicator light indicating the operation of the X-ray source on the X-ray generator control panel.</li> </ul>
8.	Power Supply	<p>The distribution of electrical power must be carried out through a central electrical panel, including circuit breakers, electrical cables, and necessary circuits. The power supply should be 3 phases, 400 V <math>\pm 10\%</math>, at a frequency of 50 Hz <math>\pm 0.5\%</math>. The maximum power consumption of the system is 50 kVA.</p> <p>The scanning system must have its own power source, which should ensure operation for at least 15 hours. The system should also be capable of being powered from a ground source. The connection cable should be no less than 50 meters in length.</p>
9.	Operating Conditions	The scanning system should operate outdoors 24 hours a day, 7 days a week, designed for operation in climatic conditions with ambient temperatures ranging from -30°C to +45°C and air humidity up to 99% without condensation.
10.	Degree of Protection of the X-Ray Device Against External Conditions	Not lower than IP65.
11.	Year of Manufacture	Brand new models manufactured not later than 2023
12.	Delivery, installation, connection, and commissioning.	<p>Delivery, installation, connection, and commissioning at the locations indicated in section I. Installation site.</p> <p>Training for a group of personnel (group size not exceeding 20 individuals for each system). The training should include theoretical and practical sessions with knowledge assessment and the issuance of appropriate certificates to system operators.</p>
13.	Warranty period of operation.	A minimum of 60 months. In case the supplier is not the manufacturer, the supplier must provide duly certified documents confirming the warranty commitments from the manufacturer.
14.	Providing information and consulting services on the operation procedure of the "Mobile Type Scanning System with Portal Scanning Function."	Providing training during the warranty period as specified by the Customer
15.	Delivery Schedule	The supplier should provide a schedule of delivery on DDP terms to all three locations. Please provide the fastest realistic delivery term but not later than April 30, 2024.
<b>IV. Technical Specifications</b>		
1.	Type of X-ray Source	X-ray radiation is generated by a linear accelerator based on a solid-state modulator that allows for differentiation between organic and inorganic substances. Systems using radioactive sources are not considered.

№ 3/п	Parameter	Requirements
2.	The energy of the X-ray source	The energy of the X-ray source must be up to 6 MeV (inclusive).
3.	Penetrating ability through steel	Not less than 320 mm.
4.	Type of detector	Modular G-shaped linear detector based on cadmium tungstate.
5.	Spatial resolution	Not more than 4 mm x 4 mm in pass-through mode.
6.	Contrast ratio	The expected contrast ratio should be less than or equal to 1% for steel with a thickness of 100 mm.
7.	Detection of a copper wire in space	The scanning system must detect a copper wire with the following specifications: Thickness of 1 mm within cavities. Thickness of 3 mm within steel with a thickness of 100 mm. Thickness of 4 mm within steel with a thickness of 200 mm.
8.	The minimum scanning height	The height from ground level to the lowermost point of the detector (invisible zone) should not exceed 0.15 meters.
9.	The startup time of the X-ray radiation source.	No more than 20 minutes
10.	The size of the area occupied by the system in the folded state	Length - not more than 11 meters; Width - not more than 2.6 meters; Height - not more than 4 meters.
11.	The size of the area occupied by the installation in the unfolded state is in meters.	Length: not more than 11 meters Width: not more than 8 meters Height: not more than 6 meters
12.	Material Segmentation	The scanning system must be capable of differentiating organic materials, low-density inorganic materials, and high-density inorganic materials, displaying them with distinct colors. This differentiation should be achieved through penetration depth and image quality. To better classify various materials, the system should provide a color map based on the continuous assessment of the atomic number (Z).
<b>V. Radiation Safety Requirements</b>		
1.	Notification System	The scanning system must have an audible and visual alarm that activates during the X-ray emission.
2.	Monitoring of dose power.	The scanning system must have three dosimeters: built-in (integrated) and two manual units.
3.	Video Surveillance System	The scanning system must be equipped with a closed-circuit video surveillance system and surveillance cameras that can operate both day and night to allow the operator to view all areas within the security perimeter.  A minimum of 4 (four) video cameras must be positioned on the scanning system (placed at the front, rear of the system, and on both sides of the boom).  They should have an IP66 protection rating and operate at temperatures ranging from -40°C to +55°C.

№ з/п	Parameter	Requirements
4.	Emergency Shutdown Buttons	The scanning system must have at least 5 (five) emergency shutdown buttons (2 on the portal with detector modules, 2 on the X-ray source module, and 1 at the operator's location).
5.	Locking Systems	The scanning system must have protective locking mechanisms.
6.	Warning symbols and signs	The scanning system must have radiation hazard warning symbols, speed limit signs, and vehicle size restriction signs. To designate the hazardous zone of the X-ray equipment, the apparatus is equipped with portable cones (at least 50 cm in height) - 50 pieces.
7.	Audio and visual alarms	The system must be equipped with audio and visual alarms.
8.	Safety sensors for protecting against crane arm collisions and checking object dimensions:	The system must be equipped with sensors to prevent collisions with the crane arm and sensors to check whether the dimensions of the scanned object are exceeded.
9.	Radiation flux detection system:	In the control room, there should be an installed radiation flux detection and measurement system with an automatic scanning halt function when the radiation dose exceeds the permissible limit for the population.
<b>VI. Radiation Doses:</b>		
1.	The maximum dose that operators receive at their workplaces	Should not exceed 0.5 $\mu\text{Sv/h}$ (microsieverts per hour).
2.	The dose at the boundary of the controlled area	Should not exceed 0.5 $\mu\text{Sv/h}$ (microsieverts per hour).
<b>VII. Operator Compartment</b>		
1.	Operator's Station	The scanning system must be equipped with an operator's workspace, which should be an integral part of the system. The operator's workspace should include a minimum of two workstations for monitoring the system, working with documents, analyzing images, printing, and scanning on an A4 format multifunctional device, as well as providing life support for personnel when working with equipment. The hardware part of the system should not have the capability for external connections and unauthorized transmission of information beyond the system. The operator's room can optionally be equipped with an additional workstation.
2.	Life Support System	The operator's workspace should be equipped with a heater, air conditioner, and lighting for the normal operation of personnel.
3.	Communication Facilities	The scanning system must be equipped with radio communication systems for operator communication. The minimum number of terminals is two (2).
<b>VII. Functions of the software</b>		
1.	The functions of the image processing software:	<ul style="list-style-type: none"> <li>– Input and storage of operator work information.</li> <li>– Automatic retrieval of data from the X-ray detector.</li> <li>– Generation of real-time shadow X-ray images.</li> <li>– Adjustment of image brightness and contrast.</li> <li>– Predefined settings for dark and light objects.</li> <li>– Ability to zoom in on the image from 2 to 16 times and enlarge selected areas.</li> </ul>

№ 3/п	Parameter	Requirements
		<ul style="list-style-type: none"> <li>– Pseudocolor representation based on optical density with a choice of color palette.</li> <li>– Dual-energy imaging with automatic color coding of materials using a continuous color map (unlimited colors) to distinguish organic, inorganic, and metallic materials.</li> <li>– Enhancement of image contrast.</li> <li>– Gradual edge enhancement and sharpness adjustment.</li> <li>– Pseudo-relief effect.</li> <li>– Ability to mark suspicious objects with comments.</li> <li>– Ability to adjust markings on suspicious areas individually.</li> <li>– Selection and framing of suspicious areas on the X-ray image using the mouse.</li> <li>– Independent image processing for each scanned area, separate from other areas and the main image.</li> <li>– Image inversion.</li> <li>– Measurement of linear dimensions.</li> <li>– Display of scanning date and time.</li> <li>– Generation of reports with image analysis results, saved alongside snapshots.</li> <li>– Export of images in PNG, JPEG, and TIFF formats.</li> <li>– A scan counter.</li> <li>– Printing of the shadow X-ray image or selected parts.</li> <li>– Comparison mode, allowing the retrieval of saved images to be displayed simultaneously with the active image.</li> <li>– Pause and stop modes for image reception on image analysis workstations.</li> </ul>
2.	Integration	The system should have an interface (API) for interaction with the customs clearance information system using the SOAP protocol.
3.	License Plate Recognition	The system should feature automatic license plate recognition for vehicles, and it should work in both unidirectional and bidirectional scanning modes.
4.	Container Number Recognition	The system should have a function for automatic recognition of container numbers, and this function should also work in both unidirectional and bidirectional scanning modes.
5.	Software Requirements	It is prohibited to use software and active elements produced by the Russian Federation or any other countries (manufacturers) subject to personal special economic and other restrictive measures (sanctions).
6.	Additional Software License	Seven (7) additional licenses for image processing software are required for connecting remote operators outside the scanning system installation location.
7.	Interface Localization	All interfaces and documentation must be provided in the Ukrainian language.
<b>IX. Computer System Requirements</b>		
1.	Operating System	Pre-installed by the manufacturer OS Microsoft Windows 10 or 11 Pro (64Bit). The software version installed should be suitable for use in Ukraine, including Microsoft Office 2021.
2.	Technical Specifications:	Form Factor: All-in-one, Desktop, or Laptop.

№ 3/п	Parameter	Requirements
	<p><i>For at least two Automated Workstations (AW) for image analysis and AW for document registration:</i></p>	<p>Processor:</p> <p>At least 8 physical computing cores.  Number of threads: at least 16.  Support for Turbo Boost Technology with a minimum clock speed of 4.9 GHz.  Support for HyperThreading or equivalent technology.</p> <p>RAM (Random Access Memory):</p> <p>At least 32 GB.  Type: DDR4 or SO-DIMM DDR4.  Support for installing at least 64 GB of RAM.  Frequency: not less than 3200 MHz.</p> <p>Storage:</p> <p>SSD M.2 NVMe PCIe.  At least 2 TB.  Support for installing an additional SATA 2.5" drive.</p> <p>Graphics Card:</p> <p>Discrete graphics card.  Hardware support for DirectX not lower than version 12.X (where X is a digit from 0 to 9).  Hardware support for OpenGL not lower than version 4.X (where X is a digit from 0 to 9).  Video memory: at least 6 GB.</p> <p>Interfaces:</p> <p>At least 5 USB ports, including at least 2 USB Type-A ports with a version not lower than USB 3.0.  Universal audio jack for a 3.5 mm TRS plug.  At least 1 HDMI port.  1 x LAN (RJ-45).</p> <p>Network Interface:</p> <p>RJ-45 with a speed of 10/100/1000 Mbps.</p> <p>Monitor:</p> <p>At least 27 inches.  Display type: IPS or equivalent with an anti-glare coating.  Brightness: at least 250 cd/m².  Aspect ratio: 16:9.  Resolution: not lower than Full HD 1920x1080.  Color gamut: not worse than NTSC 70%.</p> <p>Additional Accessories:</p> <p>Standard (full-size) Latin-Cyrillic keyboard with manufacturer-labeled letters in Latin (US International) and Ukrainian alphabets with a USB interface.  Black optical mouse with scrolling and a USB interface.</p> <p>Security:</p>

№ 3/п	Parameter	Requirements
		Mandatory presence of a Trusted Platform Module (TPM) module, not lower than version 2.0.
3.	Data Storage System:	<p>The data storage system (on hard drives) must ensure the preservation of scanned images of objects and documents and provide quick access to them for the image analysis workstations (AW). The storage capacity of the data storage system should be capable of storing no less than 100,000 images of inspected objects and associated documents for a period of at least 1 year.</p> <p>The data archiving system must support long-term storage of archives and allow searching based on various criteria of scanned objects. Data archiving and restoration should occur independently of the data collection process. Images of scanned objects and their associated documents should be archived on hard drives. Additionally, the system should allow for external archiving to network storage (e.g., NAS, etc.).</p> <p>The equipment for data archiving and restoration should include an external archiving device to ensure the storage of no fewer than 100,000 images.</p>
4.	Local Computing Network	<p>The local computing network should consist of the following components:</p> <p>Managed switch with a number of ports equal to or greater than the total number of ports of the X-ray inspection systems (XIS) with a 40% reserve.</p> <p>Horizontal structured cabling system (UTP Category 5e cable) for connecting workstations (AW) and the video surveillance system.</p> <p>Copper patch panel with Category 5e cabling and an organizer in the network cabinet.</p> <p>A sufficient number of sockets with 2 network ports at the installation locations of AW and BFIs (Border Force Image) workstations.</p> <p>Network cabinet for housing server components of the data storage and archiving systems, active network equipment, and an uninterruptible power supply (UPS).</p>
5.	Autonomous Operation:	<p>The computer system must be powered by an uninterruptible power supply (UPS) to ensure that devices and software can continue to operate when needed. The UPS must have sufficient capacity to prevent any data loss in case of a power failure for at least 30 minutes after power loss. The computer system should have an automatic shutdown procedure to ensure a proper shutdown of computers in case the power outage lasts longer than the UPS's autonomy.</p>



№ 3/п	Parameter	Requirements
		The UPS should have a form factor suitable for installation in a standard 19" network cabinet.
6.	Multifunctional Printing Device:	Print Type: Laser or LED. Paper Format: A4. Printing: Color. Scanning: Color. Color Printing Resolution: Not less than 600x600 dpi. Scanning Resolution: Not less than 1200x1200 dpi. Black and White Printing Speed: Not less than 27 pages per minute. Color Printing Speed: Not less than 27 pages per minute. Features: Duplex printing (double-sided printing). Interfaces: Network Interface: Ethernet 10/100/1000 Mbps. At least 1x USB 2.0. Paper Density: 60-120 g/sqm. Display: Touchscreen. Paper Capacity: Not less than 250 sheets. Consumables: Toner cartridge set with a yield of not less than 2100 pages (at 5% coverage of A4 sheets).
7.	Power On and Off	The entire computer system can be powered on and off by pressing the power button or using the icon in the main interface.
8.	Connection	Secure electronic communication means should implement the connection of the information and communication system to the Global Internet using WiFi and LTE technologies and establish a secure connection between the information and communication system and remote users, as well as between the information and communication system and the automated customs clearance system, using cryptographic information protection means for which the State Special Communications Administration has issued a positive expert opinion as a result of expert research.
<b>X. Compliance with Standards and Certificates</b>		
1.	Standards and Certificates	The scanning system must have a CE certificate.
2.	Production Certificate	The manufacturer must have an ISO 9001 quality management certificate.
3.	Supporting and Operational Documentation	The system's supply package includes: <ul style="list-style-type: none"> <li>– Detailed user manual.</li> <li>– Specification (passport).</li> <li>– Specification (passport) of the X-ray radiation source.</li> <li>– Set of operational documents for components.</li> <li>– Other documentation as specified by the manufacturer.</li> </ul> All documentation must have a translation into the Ukrainian language.

## 1. General Provisions and Conditions

1.1 Scanning systems of mobile type (hereinafter referred to as MSS) shall be delivered, installed, tested, and commissioned at the following locations:

International Border Crossing Point Porubne, Chernivtsi Oblast – 1 unit

International Border Crossing Point Uzhhorod, Zakarpattia Oblast - 1 unit

International Border Crossing Point Dyakivtsi, Chernivtsi Oblast - 1 unit

1.2 The Supplier must have a dedicated project manager who is proficient in English (Ukrainian) to ensure coordination with the Customer. The Supplier must have at least two similar project experiences in European Union member countries.

1.3 Within 30 calendar days from the date of contract signing, the Supplier must provide:

1.3.1. An indicative schedule of planned works, deliveries, and tests.

1.3.2. Final design documentation for the mobile scanning system (MSS).

1.3.3. A list of licensed manufacturers of scanning systems that provide warranty, after-sales, and technical support.

1.4 Once a month, no later than the 7th day of the following month, the Supplier must provide a monthly progress report on the work related to this Agreement.

1.5 The Supplier must provide all documents required to apply for (or amend) a license to perform activities involving the use of ionizing radiation sources or provide an existing contract with an authorized representative of the MSS manufacturer holding a valid license for activities involving the use of ionizing radiation sources.

1.6 The documents required for obtaining a license for the operation of mobile scanning systems of this type must be prepared within two calendar months from the date of contract signing.

1.7 The Supplier must provide a declaration (certificate) of compliance with technical regulations.

1.8 The Supplier must provide the conclusion of the state sanitary and epidemiological examination for the equipment.

1.9 The Supplier must complete all formalities related to equipment importation and cover all expenses incurred during the project's implementation.

1.10 The Supplier must sign a declaration stating that the Supplier and subcontractors comply with the requirements of legislation regarding information protection with restricted access in information, electronic communication, and information and communication systems.

1.11 The Supplier must have an ISO 27001 certificate.

1.12 As an project estimation, equipment delivery must be completed by June 30, 2024

1.13 After conducting factory acceptance tests of the equipment (Factory Acceptance Test), information about the individuals who performed the equipment-related work must be provided to the Supplier for approval in advance.

1.14 The MSS, including the software used, must allow connection to the Customer's systems without additional costs.

1.15 The Supplier must ensure that RAW data (folder created after scanning an object, including all X-ray image files) and other service files (registration information of the scan, images from the automatic license plate recognition system, scanned documents, etc.) can be automatically exported to external systems for further processing upon request.

1.16 If any important requirement has not been included in this technical specification, the Supplier must take it into account to ensure that the MSS can be used without any additional expenses.

## 2. General Technical Conditions

- 2.1 The proposed X-ray technology's technical life cycle should be at least 10 years, during which the availability of spare parts must be guaranteed.
- 2.2 The equipment must be new (manufactured in 2023 or 2024) and cannot be a prototype.
- 2.3 The equipment's design should include all necessary details (including safety features) and be highly resistant to wear and vandalism.
- 2.4 Scanning Modes:
  - 2.4.1 Portal Mode: During scanning, the driver remains inside the vehicle cabin, which passes through the inspection portal. The container is inspected using a high-energy source of no more than 6 MeV.
  - 2.4.2 Drive-Through Mode: The scanning system travels alongside the vehicles being scanned. The container and the driver's cabin are inspected using a high-energy source of no more than 6 MeV, and the driver(s) of the vehicles are at a safe distance.
- 2.5 Scanning Direction: The X-ray scanning system must be capable of scanning in two directions.
- 2.6 The equipment must be operated by a minimum of two individuals regardless of weather conditions.
- 2.7 Continuous operation of the mobile X-ray scanning systems should be 24 hours a day.
- 2.8 The dimensions of the object being inspected should be minimum (L x W x H) - 20m x 3.8m x 5.2m.
- 2.9 The throughput capacity of the mobile X-ray scanning systems per hour should be no less than 20 vehicles.
- 2.10 The equipment should be ready for operation in no more than 20 minutes (calculated from the moment of arrival until the start of the first scanning).
- 2.11 The radiation safety system of the mobile X-ray scanning system must ensure the protection of personnel and the public from ionizing radiation used in the complex and comply with the norms of radiation safety according to the [NRBU-97, Basic Sanitary Rules for Ensuring Radiation Safety in Ukraine](#) (Order of the Ministry of Health of Ukraine dated February 2, 2005, No. 54, registered with the Ministry of Justice of Ukraine on May 20, 2005, No. 552/10832).
- 2.12 The equipment must be able to operate on slopes of up to 4%.
- 2.13 The X-ray device of the mobile X-ray scanning system must be at least IP65 waterproof and moisture-resistant.
- 2.14 All equipment components located in the open air must be protected against corrosion according to marine standards. The equipment should undergo additional anti-corrosion treatment, which needs to be renewed every two years during the warranty period.
- 2.15 All sound sources, including sirens and other devices, should have a maximum sound level of 70 dB, following acceptable noise levels. The volume of the siren of the device should be adjustable from the operator's control.
- 2.16 The equipment, including its core software and mechanical components, must be protected against unauthorized access.
- 2.17 Equipment data systems must require entry with a personal identifier. Authorization can be based on a username and password.
- 2.18 The equipment must be equipped with diagnostic software that operates in real-time mode to detect and analyze technical errors.
- 2.19 All supplied systems must have the capability to connect to an external server through a secure channel and allow image analysis outside of the equipment.

- 2.20 The supplier must provide a minimum of 2 (two) workstations with installed software for real-time image analysis.
- 2.21 The supplier must provide image analysis software with 7 licenses and installation instructions. The licenses must be multi-use and valid until the end of the X-ray device's service life. The image analysis software should be openable, in UFF file format, and allow for basic image processing functions such as histogram, edge enhancement, organic material differentiation, black and white image, negative image, color image adjustment, and the ability to work without a network or server connection. The software should be capable of synchronous processing of up to four images simultaneously.
- 2.22 The format of the images generated by the mobile X-ray scanning system must be in UFF format. The operator should also have the option to save images in the manufacturer's original file format. The use of the UFF format must be tested by the customer, and the supplier should provide the necessary information for testing.
- 2.23 Separate files must be created for each object being scanned. Each file must have a unique identifier composed of a system identification number, date, and time. The file should include color photos of the inspected object from the front and back, RAW X-ray images, scanned documents, and additional information (location and time of inspection, vehicle type, make, license plate number, and analysis results).
- 2.24 The equipment's software should be configured so that X-ray inspection can only be performed with limited input data if necessary (e.g., only the vehicle or container number).
- 2.25 The supplier should provide detailed technical requirements (including possible architecture solutions, including mandatory hardware and software) for an external database that the customer can use for centralized data collection of mobile X-ray scanning system results.
- 2.26 Updates that ensure compatibility and data transfer with different external databases and software solutions must be allowed for the mobile X-ray scanning systems.
- 2.27 The workstations controlling the equipment must be located in the departmental telecommunications network.
- 2.28 Data systems must be equipped with a data backup solution that provides automatic backup of X-ray images (including input data) and its own software. Instructions and technical documentation for the backup solution should be provided for data verification and recovery.
- 2.29 Outside the radiation protection zone of the X-ray device, the effective dose should not exceed 200  $\mu\text{Sv}/\text{year}$ . Once a year, inspections of the equipment are carried out with the customer's representative, and a corresponding report is prepared.
- 2.30 Radiation safety requirements are derived from the Norms of Radiation Safety in Ukraine (NRBU-97). The time-averaged radiation level at the edge of the radiation protection zone should not exceed 0.5  $\mu\text{Sv}$  during scanning.
- 2.31 The radiation dose to the object being inspected should not exceed 20  $\mu\text{Sv}/\text{hour}$  for a single scanning.
- 2.32 Image quality of the equipment should be checked in accordance with ANSI N42.46-2008: penetration, spatial resolution, contrast, and wire detection, and material discrimination based on IEC 62523:2010 methodologies.
- 2.33 All quality parameters of the mobile X-ray scanning system included in the tender must be provided and maintained during the warranty period.
- 2.34 The tender participant should supply two sets of tools necessary for equipment servicing, diagnostics, and repair. A single set of test objects in accordance with image quality and material discrimination standards for the mobile X-ray scanning system should be provided.

### **3. Technical Specifications for the Mobile X-ray Unit**

- 3.1. The X-ray radiation should be provided by a linear accelerator based on a solid-state modulator that allows distinguishing organic and inorganic substances. Systems using radioactive sources are not considered.
- 3.2. The X-ray unit must be capable of material discrimination.

- 3.3. X-ray source energy should be up to 6 MeV (inclusive).
- 3.4. Penetration capability should be no less than 320 mm of steel.
- 3.5. Spatial resolution: no more than 4 mm x 4 mm in the drive-through mode.
- 3.6. Contrast ratio: the expected contrast ratio should be less than or equal to 1% for 100 mm thick steel.
- 3.7. Detection of a copper wire in space:
  - 3.7.1. - thickness of 1 mm in voids;
  - 3.7.2. - thickness of 3 mm for 100 mm thick steel;
  - 3.7.3. - thickness of 4 mm for 200 mm thick steel.
- 3.8. Emergency shutdown buttons: the scanning system must have at least 5 (five) emergency shutdown buttons (2 on the portal with detector modules, 2 on the X-ray source module, 1 at the operator's location).
- 3.9. The mobile X-ray system must be installed on a standard vehicle with a minimum of three axles (rear axles must be non-steerable) and powered by a diesel engine with a capacity of at least 350 kW.
- 3.10. Minimum emissions class EURO 5.
- 3.11. The vehicle must comply with:  
The Law of Ukraine on Road Transport;  
The Resolution of the Cabinet of Ministers of Ukraine dated December 22, 2010, No. 1166 "On the Unified Requirements for the Design and Technical Condition of Wheeled Vehicles in Operation."
- 3.12. The truck must have left-hand drive.
- 3.13. The truck must have a leather steering wheel.
- 3.14. The driver's cabin of the truck must be equipped with an air conditioning system.
- 3.15. The driver's cabin of the truck must have three seats.
- 3.16. The mobile X-ray system must be equipped with a diesel generator for mobile operation and should be capable of connecting the equipment to the electrical network with a three-phase power supply of 400V/63A.
- 3.17. The deployment and folding of the mobile X-ray system must be carried out using a remote control.
- 3.18. The driver's cabin must be equipped with a safety system that prevents the movement of the vehicle when the system is not fully ready for road use.
- 3.19. All dimensions and measurements must be in the metric range.
- 3.20. The equipment must be suitable for use at temperatures from -30°C to +45°C, and the X-ray system's boom must have heating to prevent ice formation on the boom.
- 3.21. The lower scanning limit should not be higher than 15 cm above the road surface level.
- 3.22. The mobile X-ray system must be equipped with a foldable, easily movable metal ramp capable of providing 100% scanning of passenger vehicles with a minimum weight limit of 3.5 tons.
- 3.23. The maximum size of the safety zone should be 30 x 50 meters.
- 3.24. The operator's room must comply with current hygiene standards and have proper heating and cooling equipment with temperature control.
- 3.25. The operator's room floor should have adjustable underfloor heating.
- 3.26. If there are windows in the operator's room, they should be tinted and equipped with blackout curtains.
- 3.27. There must be a locking cabinet for metal keys in the operator's room, with dimensions not less than 150x150x80 mm (H/W/D).
- 3.28. Additional 230V sockets should be installed in the operator's room near each workstation, not less than 4 outlets.
- 3.29. Work computers must be equipped with uninterruptible power sources (UPS) to ensure the operation of systems for at least 30 minutes in case of a power outage, allowing computers to be safely shut down.



- 3.30. The mobile X-ray system must be equipped with an integrated system and two calibrated portable devices that allow the operator to monitor radiation levels in close proximity to the X-ray system.
- 3.31. Yellow flashing lights should be installed at the front and rear of the vehicle. The vehicle should be equipped with 10 yellow battery-powered magnetic flashlights.
- 3.32. The sides of the transport vehicle must be equipped with white continuous contour reflective tape and a red continuous reflective contour on the rear part of the vehicle.
- 3.33. To mark the hazardous zone of the X-ray equipment, the device should be equipped with portable cones (with a height of not less than 50 cm) numbering 50 units.
- 3.34. The color scheme of the X-ray device should be confirmed by the Customer to the Supplier. The Supplier must provide support in creating the appropriate color design.
- 3.35. The direction of movement during scanning should not be determined by a physical device attached to the steering wheel.
- 3.36. A rear-view camera with a color flat screen should be installed in the driver's cabin of the truck. The camera should have a lens heater, a protective cover, and should be installed in the center of the rear part of the vehicle.
- 3.37. It should be possible for both the operator and the driver to monitor the entire area of the hazardous zone surrounding the X-ray device and the scanned object from the operator's room and the driver's cabin.
- 3.38. Surveillance cameras must cover the perimeter of the X-ray equipment at 360 degrees, including the visible area between the scanning device and the scanned object (the sizes of the scanned object and the X-ray device must be different). Video surveillance cameras must transmit color images to screens in the operator's room and the driver's cabin with a minimum size of 23.8 inches.
- 3.39. The fuel tank capacity of the transport vehicle must be at least five hundred liters. In the case of multiple tanks, they must be permanently connected to each other. The operation of the diesel generator is ensured up to the specified reserve fuel level (one hundred liters with adjustable regulation).
- 3.40. The operator's compartment must be equipped with a multifunctional printer and connected to all computers in the operator's room.
- 3.41. There should be two workstations for image processing in the operator's room.
- 3.42. The operator's cabin of the mobile X-ray system must be equipped with an additional space for an auxiliary portable computer (including a power supply and network socket).
- 3.43. Monitors for workstations should have curved displays with no less than 27-inch IPS panels.
- 3.44. Scanning software should automatically check the history of whether the vehicle or container being scanned has been scanned before, and if the information is available, display it on the operator's workstation screen.
- 3.45. Image analysis software should provide synchronized analysis of multiple X-ray images, i.e., perform the same functions on different images simultaneously.
- 3.46. Computer systems must have the MS Windows operating system, not lower than version 10. They should be assembled in such a way as to exclude common security vulnerabilities registered in the OWASP network, and comply with the security requirements of the latest ISO 15408-2 standard. Systems should be equipped with software that allows different levels of user privileges.
- 3.47. The computer configuration should ensure uninterrupted operation of the systems without interruptions, with the following minimum parameters:  
 Form factor: all-in-one, desktop, or laptop;  
 Processor: at least 8 physical computing cores, at least 16 threads, support for Turbo Boost Technology with a minimum frequency of 4.9 GHz, support for HyperThreading or equivalent;  
 RAM: at least 32GB, DDR4 or SO-DIMM DDR4 type, with the possibility of installing at least 64GB of RAM, with a frequency of at least 3200 MHz;  
 Storage: SSD M.2 NVMe PCIe, at least 2TB, with the possibility of installing an additional SATA 2.5" drive;

Graphics Card: discrete, hardware support for DirectX not lower than version 12.X and OpenGL not lower than version 4.X, with at least 6GB of video memory;

Interfaces: at least 5 USB ports, including at least 2 USB Type-A ports not lower than USB 3.0, a universal 3.5mm TRS audio jack, at least 1 HDMI, and 1 x LAN (RJ-45);

Network Interface: RJ-45 with a speed of 10/100/1000 Mbps;

Monitor: not less than 27 inches, IPS or equivalent type, with anti-glare coating, brightness not less than 250 cd/m<sup>2</sup>, 16:9 aspect ratio, resolution not less than FullHD 1920x1080, color gamut not worse than NTSC 70%.

3.48. Archiving of saved image files in UFF, original, jpeg, and png file formats on external digital storage should be possible.

3.49. LED external lighting (IP67) should be installed to illuminate the working area within a radius of four meters. The light intensity at the edges of the working area should be not less than 30 lux.

The area between the X-ray device and the object being scanned should be illuminated.

3.50. The X-ray device should be equipped with sensors for mechanical impact. The sensor rods should be illuminated.

3.51. The official service center for the technical maintenance of the transport vehicle should have a representation in Ukraine.

3.52. Technical documentation (detailed user manual, passport, passport of the X-ray source, a set of operational documents for components, and other documentation provided by the manufacturer) for the mobile X-ray system should be provided in Ukrainian and English in both printed and electronic formats (on a USB drive).

#### **4. Built-in Automatic License Plate Recognition System for Mobile X-ray System**

4.1 The system should be able to identify both the front and rear license plates of the scanned vehicle as well as the container number.

4.2 The identified numbers should be automatically added to the vehicle and/or container registration fields.

4.3 There should be an option to manually adjust the automatically entered digits. Manual changes to the license plate should be recorded in the system log, including information about the operator who made the correction.

4.4 The license plate recognition system should be able to recognize no less than 98% of vehicle and container license plates.

#### **5. Training**

5.1 Training on the use of the X-ray system.

5.1.1 Ensuring the training of 20 employees per unit, a total of 60 in the use of the X-ray machine, with training conducted in Ukrainian or English with the use of an interpreter.

5.1.2 Training is conducted at the planned location of the mobile X-ray system.

In addition, training should be provided for four employees as internal trainers, with the issuance of a certificate from the equipment manufacturer with additional training rights.

5.2 Image analysis training.

5.2.1 Image analysis training is conducted for 5 per unit, 15 employees total (included in an overall 60 trained employees), and training should be conducted in Ukrainian or English with the use of an interpreter.

5.2.2 Training is conducted at the planned location of the mobile X-ray system.

5.2.3 Image analysis training should be conducted using software provided by the supplier. The visualization software used for training should be compatible with the X-ray image processing software provided.

5.2.4 In addition, the supplier should provide training for 4 employees as internal instructors for image analysis, with the issuance of a trainer certificate.

5.2.5 Training materials should be provided to each participant in printed form and additionally in electronic form.

## **6. Testing and Equipment Handover**

6.1 Equipment compliance verification must be carried out in accordance with the technical specifications.

6.2 The supplier provides all necessary resources for conducting equipment testing and test objects.

6.3 The equipment must pass all tests without altering system settings during the process.

6.4 The supplier must provide quality image testing reports for the mobile X-ray equipment as part of the initial tender submission. The final testing report should be common for all tender participants.

6.5 The supplier is responsible for arranging factory acceptance testing (FAT) of the equipment (or its parts) by three representatives of the contracting authority at the manufacturer's facility. The contracting authority should record the test results in written form and provide them to the supplier within two weeks. The expenses for factory acceptance testing should be covered by the supplier.

6.6 After the equipment is delivered to the location specified by the contracting authority, an on-site acceptance test should be conducted. After passing the test, the test results should be documented in written form and provided to the supplier within two weeks.

6.7 As part of the on-site acceptance test, the X-ray equipment should undergo an IT audit.

6.8 After successful on-site acceptance testing, the trial period in operational mode will begin. The trial period is considered complete when the equipment has operated without malfunctions for 15 consecutive days. In case of malfunctions, the countdown of trial period days restarts.

6.9 Equipment acceptance-receipt acts may be signed when the following operations are completed without critical issues:

Factory acceptance tests of the device (factory acceptance testing).

On-site acceptance tests.

User training (see Section 5).

Trial period in operational mode (see Section 6.8).

6.10 The calculation of the warranty period begins after the signing of the final equipment acceptance-receipt act and the provision of the following documents:

6.10.1 A document confirming the year of manufacture of the device.

6.10.2 Warranty certificate for the mobile X-ray system.

6.10.3 Technical documentation for the mobile X-ray system, including the CE (Conformité Européenne) compliance certificate along with a list of relevant standards.

6.10.4 User manuals for the use, maintenance, and restoration of the mobile X-ray system, including software licenses and software.

6.10.5 Administrator's instructions for the mobile X-ray system, including access codes and passwords, system configuration description, minimum requirements, and system architecture, including database versions.

6.10.6 Equipment maintenance plan.

6.10.7 Technical specifications for the mobile X-ray system must be provided in both Ukrainian and English in printed and electronic formats.

## **7. Warranty and Service Maintenance**



- 7.1 The minimum warranty period for the equipment is 60 (sixty) months. The warranty includes full servicing of the equipment and the vehicle chassis, including all spare parts.
- 7.2 The response time during the warranty period and during the contract period for equipment failure should not exceed 24 hours.
- 7.3 If the same part fails for the third time, it must be replaced with a new one without fail. The warranty for the replaced part starts from the moment of installation, and a separate written report is prepared for it.
- 7.4 If the SSM is not operational for two or more weeks during the warranty period, the warranty is extended for the downtime period.
- 7.5 Software updates for the SSM and image processing must be provided free of charge during the warranty period, including security error corrections. Updates should be installed within one month of becoming available.
- 7.6 Spare parts for the equipment must be available for a period of at least 10 years after the equipment is received.
- 7.7 Planned maintenance should not result in equipment downtime exceeding 18 hours.
- 7.8 The response time during the warranty period and during the contract period for technical maintenance should not exceed 72 hours.
- 7.9 During the service life of the mobile scanner, web-based software for managing services/failures with all necessary equipment and network connections must be provided.
- 7.10 This software should allow operators or other employees to collect, store, and exchange information about faults, repairs, and technical maintenance of the equipment. It should also include the ability to compile statistics (including records of condition, maintenance, usage, repair time, and percentage of operation for different time periods). The solution provided should have a firewall and a crypto tunnel.
- 7.11 If the equipment is damaged by a technician/operator who has undergone training or is authorized by the supplier and has followed technical and operational instructions, the warranty remains valid.

Attachment B VOLUME II Price Schedule

S/N	Items	Unit	Qty	Unit Price in USD	Total Price in USD
1	Mobile X-ray Vehicle Scanners	Each	3		
2	Services for the delivery, installation, adjustment of equipment, maintenance before commissioning, equipment insurance cost, including introductory training for personnel on working with equipment	Each	1		
	<b>TOTAL PRICE (USD)</b>				

Note:

- 1- These goods are eligible for VAT exemption based on the USAID Contract #72012118C00004 registered with the Secretariat of Cabinet of Ministers of Ukraine, registration card #3987-17 dated March 06, 2023, and accreditation certificate #288 dated January 11, 2017 (with amendments).
- 2- If the delivery is from outside of Ukraine, please provide details regarding customs/duties and other delivery instructions in technical proposal.

Instructions detailing the process to be followed in order to obtain an Unique Entity ID (SAM) for your organization begin on the next page.

**THE PROCESS FOR OBTAINING AN UNIQUE ENTITY ID IS OUTLINED BELOW:**

1. Have the following information ready to request an Unique Entity ID (SAM)
  - a. Legal Business Name
  - b. Physical Address (including ZIP + 4)
  - c. SAM.gov account (this is a user account, not actual SAM.gov business registration).
    - i. **As a new user**, to get a SAM.gov account, go to [www.sam.gov](http://www.sam.gov).
      1. Click “Sign In” on the upper right-hand corner.
      2. Click on “Create a User Account”

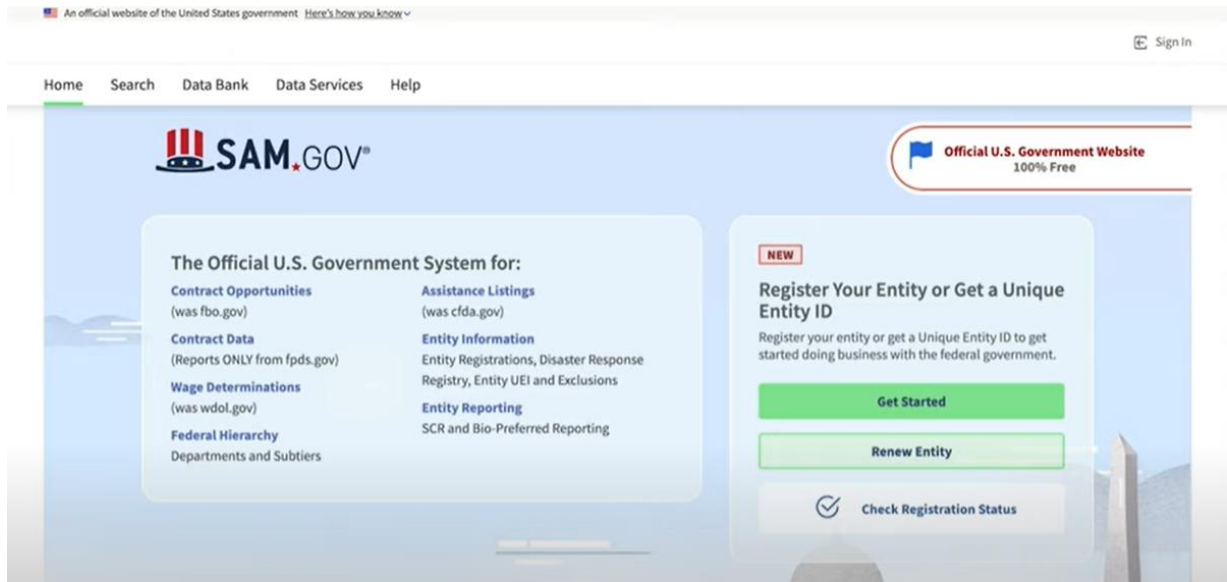


3. Choose Account Type:
  - a. Create an Individual User Account to perform tasks such as register/update your entity, create and manage exclusion records or to view FOUO level data for entity records.
  - b. Create a System User Account if you need system-to-system communication or if performing data transfer from SAM to your government database system. Complete the requested information, and then click “Submit.”
4. Click “DONE” on the confirmation page. You will receive an email confirming you have created a user account in SAM.
5. Click the validation link in the email that contains the activation code within 48 hours to activate your user account. If the email link is not

hyperlinked (i.e., underlined or appearing in a different color), please copy the validation link and paste it into the browser address bar. You can now register an entity.

NOTE: Creating a user account does not create a registration in SAM, nor will it update/renew an existing registration in SAM.

2. Once you have registered as a user, you can get an Unique Entity ID by selecting the “Get Started” button on the SAM.gov home page.



3. Select “Get Started” on the Getting Started with Registration page.

An official website of the United States government [Here's how you know](#)

**SAM.GOV**

Requests Notifications Workspace Sign Out

Home Search Data Bank Data Services Help

## Getting Started with Registration

This is the official U.S. government website for entity registration. Entity registration is FREE.

**Entity Information Home**

### Before You Get Started

Before you start your registration, there are a few steps you must complete first. Review these steps to help ensure you set aside enough time to complete your registration.

- 1 Request a DUNS Number
- 2 Prepare Your Data
- 3 Get a Login.gov Account
- 4 Submit and Finish

1 Request a DUNS Number

All entities wishing to do business with the federal government must have a unique entity identifier (UEI). Currently, the DUNS number, which is a unique nine-character identification number provided by Dun & Bradstreet (D&B) free of charge, is the official UEI. D&B assigns UEI (DUNS) for each physical location of a business. Requesting a UEI (DUNS) takes about 10 minutes. Receiving a UEI (DUNS) takes 1-2 business days (under normal circumstances) when using the D&B web form.

[Go to D&B web form](#)

**NEW**

### Register Your Entity or Get a Unique Entity ID

Register your entity or get a Unique Entity ID to get started doing business with the federal government.

**Get Started**

**Renew Entity**

**Check Registration Status**

4. Select "Get Unique Entity ID" on the Get Started page.

**Entity Management**

## Get Started

### Register Entity

An entity registration allows you to bid on government contracts and apply for federal assistance. As part of entity registration, we will assign you a Unique Entity ID (SAM).

Comprehensive and current entity information is an essential part of the federal award process. It is important to prepare your information and allow sufficient time to understand and accurately complete your registration. You only need to complete and manage it here to remain eligible for federal awards.

You must renew your registration every 365 days for it to remain active.

**Register Entity**

### Get Unique Entity ID (SAM)

If you only conduct certain types of transactions, such as reporting as a sub-awardee, you may not need to complete an entity registration. Your entity may only need a Unique Entity Identifier.

You can get a Unique Entity ID (SAM) for your organization without having to complete a full entity registration.

**Get Unique Entity ID**

5. Enter Entity Information.



- a. If you previously had a DUN Number, make sure your Legal Business Name and Physical Address are accurate and match the Entity Information, down to capitalization and punctuation, used for DUNS registration.
6. When you are ready, select “Next”
7. Confirm your company’s information.



- a. On this page you will have the option to restrict the public search of this information. “Allow the selected record to be a public display record.” If you uncheck this box, only you and the federal government users will be able to search and view the entity information and entities like DAI will not be able to independently verify that you have an Unique Entity Identifier (SAM).

☒ **Allow the selected record to be a public display record.**

If you feel displaying non-sensitive information like your registration status, legal business name and physical address in the search engine results poses a security threat or danger to you or your organization, you can restrict the public viewing of you record in SAM's search engine. However, your non-sensitive registration information remains available under the Freedom of Information Act to those who download the [SAM public data file](#). [Learn more about SAM public search results](#).

8. When you are ready, select “Next”
9. Once validation is completed, select “Request UEI” to be assigned an Unique Entity ID (SAM). Before requesting your UEI (SAM), you must certify that you are authorized to conduct transactions under penalty of law to reduce the likelihood of unauthorized transactions conducted for the entity.



## Request UEI

You have completed validation. Select **Request UEI** to be assigned a Unique Entity ID.

### VERIFIED MATCH:

**US TEST COMPANY 999** • Public

**DUNS** UNIQUE ENTITY ID:  
**362267515**


PHYSICAL ADDRESS  
3501 CORPORATE PKWY  
CENTER VALLEY, PA 18034  
US

Before requesting your UEI, please certify that you are authorized to conduct transactions under penalty of law to reduce the likelihood of unauthorized transactions conducted for my entity. Then select **Request UEI**.

☐ I certify that I am authorized to conduct transactions on behalf of the entity.

Request UEI

10. The Unique Entity ID will be shown on the next page. SAM.gov will send an email confirmation with your Unique Entity ID.



**1** Enter Entity Information      **2** Validate Information      **3** Request UEI      **4** Receive UEI

### Receive UEI

Congratulations! You have been assigned the following Unique Entity ID.

## EH4HG9MLR7Q6

**VERIFIED MATCH:**

**US TEST COMPANY 999** • Public

**DUNS** UNIQUE ENTITY ID:  
362267515

**SAM** UNIQUE ENTITY ID:  
EH4HG9MLR7Q6

PHYSICAL ADDRESS  
3501 CORPORATE PKWY  
CENTER VALLEY, PA 18034  
US

You have finished getting your Unique Entity ID, select **Done** to return to your workspace.

To continue with registration, select **Continue Registration**.

[Continue Registration](#) [Done](#)



11. If you need to view the Unique Entity ID from SAM in the future or update the organization's information, sign into SAM.gov and go to "Entity Management" widget.

The screenshot displays the SAM.gov Workspace dashboard. At the top, the SAM.gov logo is on the left, and navigation links for Requests, Notifications, Workspace (highlighted), and Sign Out are on the right. Below this is a secondary navigation bar with Home, Search, Data Bank, Data Services, and Help. The main content area is titled "Workspace" and features two primary widgets. The "Entity Management" widget, titled "What do I need for registration?", includes a "Get Started" button and a section for "Entity Registration" with four status indicators: ACTIVE (0), DRAFT (0), WORK IN PROGRESS (0), and SUBMITTED (0). It also shows a "Next Update Due" notice: "Due in Next 30 days: 0 Entity Registrations". Below this is a "Unique Entity ID" section with two indicators: ACTIVE (1) and DRAFT (0). The "System Accounts" widget shows five status indicators: ACTIVE (1), DRAFT (0), CHANGE REQUEST (0), PENDING (0), and DEACTIVATED (0). On the right side of the dashboard is a "Profile" section with a user icon, a "Downloads" button, a "Saved Searches" button, and a "Following" button. Below the profile are sections for "Pending Requests" (No pending requests), "Notifications" (No available notifications), and "Add A New Role" (Select on the options below to request a new role. If you need a role that you do not see below, contact an administrator for your organization directly.). A "Select a Role" dropdown menu is visible at the bottom right.

**SAM.GOV®** Requests Notifications **Workspace** Sign Out

Home Search Data Bank Data Services Help

**Workspace**

**Entity Management**  
What do I need for registration? [Get Started](#)

**Entity Registration**

ACTIVE	DRAFT	WORK IN PROGRESS	SUBMITTED
0	0	0	0

Next Update Due: Due in Next 30 days: **0 Entity Registrations**

**Unique Entity ID**

ACTIVE	DRAFT
1	0

**System Accounts**

ACTIVE	DRAFT	CHANGE REQUEST	PENDING	DEACTIVATED
1	0	0	0	0

**Profile**

[Downloads](#) [Saved Searches](#) [Following](#)

**Pending Requests**  
No pending requests [See All](#)

**Notifications**  
No available notifications [See All](#)

**Add A New Role**  
Select on the options below to request a new role.  
If you need a role that you do not see below, contact an administrator for your organization directly.

Select a Role [GSA](#)