

STATE OF NORTH CAROLINA

Department of Public Safety

Invitation for Bids #: 19-IFB-1924570398-RMT

Dosimeter Calibration Services

Date of Issue: December 29, 2025

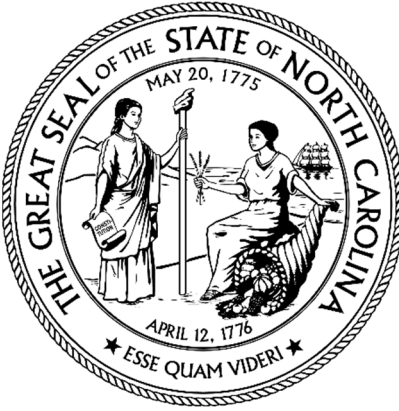
Bid Opening Date: January 13, 2026

At 2:00PM ET

Direct all inquiries concerning this IFB to:

Morgan Rilling

Contract Specialist



STATE OF NORTH CAROLINA

Invitation for Bid

19-IFB-1924570398-RMT

For internal State agency processing, including tabulation of bids, provide your company's eVP (Electronic Vendor Portal) Number. Pursuant to G.S. 132-1.10(b) this identification number shall not be released to the public. **This page will be removed and shredded, or otherwise kept confidential**, before the procurement file is made available for public inspection.

**This page shall be filled out and returned with your bid.
Failure to do so may subject your bid to rejection.**

Vendor Name

Vendor eVP#

Note: For a contract to be awarded to you, your company (you) must be a North Carolina registered Vendor in good standing. You must enter the Vendor number assigned through eVP (Electronic Vendor Portal). If you do not have a Vendor number, register at <https://evp.nc.gov/SignIn>

STATE OF NORTH CAROLINA Department of Public Safety	
Refer <u>ALL</u> Inquiries regarding this IFB to the procurement lead through the Message Board in the Sourcing Tool. See section 2.6 for details: Morgan Rilling	Invitation for Bid No.: 19-IFB-1924570398-RMT
	Bids will be publicly opened: January 13, 2026 at 2pm ET Meeting ID: 242 985 500 957 52 Passcode: kZ93rN76
Using Agency: NCDPS NC Emergency Management	Commodity No. and Description: 721542 Instrumentation Installation
Requisition No.: RQ245116	Maintenance and Repair Services

EXECUTION

In compliance with this Invitation for Bid (IFB), and subject to all the conditions herein, the undersigned Vendor offers and agrees to furnish and deliver any or all items upon which prices are bid, at the prices set opposite each item within the time specified herein.

By executing this bid, the undersigned Vendor understands that false certification is a Class I felony and certifies that:

- this bid is submitted competitively and without collusion (G.S. 143-54),
- none of its officers, directors, or owners of an unincorporated business entity has been convicted of any violations of Chapter 78A of the General Statutes, the Securities Act of 1933, or the Securities Exchange Act of 1934 (G.S. 143-59.2), and
- it is not an ineligible Vendor as set forth in G.S. 143-59.1.

Furthermore, by executing this bid, the undersigned certifies to the best of Vendor’s knowledge and belief, that:

- it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal or State department or agency.

As required by G.S. 143-48.5, the undersigned Vendor certifies that it, and each of its Sub-Contractors for any Contract awarded as a result of this IFB, complies with the requirements of Article 2 of Chapter 64 of the NC General Statutes, including the requirement for each employer with more than 25 employees in North Carolina to verify the work authorization of its employees through the federal E-Verify system.

As required by Executive Order 24 (2017), the undersigned Vendor certifies will comply with all Federal and State requirements concerning fair employment and that it does not and will not discriminate, harass, or retaliate against any employee in connection with performance of any Contract arising from this solicitation.

G.S. 133-32 and Executive Order 24 (2009) prohibit the offer to, or acceptance by, any State Employee associated with the preparing plans, specifications, estimates for public contracts; or awarding or administering public contracts; or inspecting or supervising delivery of the public contract of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of this response to the IFB, the undersigned certifies, for Vendor’s entire organization and its employees or agents, that Vendor is not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

By executing this bid, Vendor certifies that it has read and agreed to the **INSTRUCTION TO VENDORS** and the **NORTH CAROLINA GENERAL TERMS AND CONDITIONS** incorporated herein. These documents can be accessed from the Ariba Sourcing Tool.

Failure to execute/sign bid prior to submittal may render bid invalid and it MAY BE REJECTED. Late bids shall not be accepted.

COMPLETE/FORMAL NAME OF VENDOR:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #21):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:		

Bid Number: 19-IFB-1924570398-RMT

Vendor: _____

VENDOR'S AUTHORIZED SIGNATURE*:	DATE:	EMAIL:
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VALIDITY PERIOD

Offer shall be valid for at least ninety (90) days from date of bid opening, unless otherwise stated here: _____ days, or if extended by mutual agreement of the parties in writing. Any withdrawal of this offer shall be made in writing, effective upon receipt by the agency issuing this IFB.

ACCEPTANCE OF BIDS

If your bid is accepted, all provisions of this IFB, along with the written results of any negotiations, shall constitute the written agreement between the parties ("Contract"). The NORTH CAROLINA GENERAL TERMS AND CONDITIONS are incorporated herein and shall apply. Depending upon the Goods or Services being offered, other terms and conditions may apply, as mutually agreed.

<p>FOR STATE USE ONLY: Offer accepted and Contract awarded this _____ day of _____, 20____, as indicated on</p> <p>The attached certification, by _____.</p> <p style="text-align: center;">(Authorized Representative of NC Department of Public Safety)</p>

Contents

1.0	PURPOSE AND BACKGROUND	5
1.1	CONTRACT TERM.....	5
2.0	GENERAL INFORMATION	5
2.1	INVITATION FOR BID DOCUMENT	5
2.2	E-PROCUREMENT FEE	5
2.3	NOTICE TO VENDORS REGARDING IFB TERMS AND CONDITIONS	5
2.4	IFB SCHEDULE	6
2.5	BID QUESTIONS.....	6
2.6	BID SUBMITTAL	7
2.7	BID CONTENTS	8
2.8	DEFINITIONS, ACRONYMS, AND ABBREVIATIONS.....	8
3.0	METHOD OF AWARD AND BID EVALUATION PROCESS	8
3.1	METHOD OF AWARD.....	8
3.2	CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION	8
3.3	BID EVALUATION PROCESS.....	9
3.4	PERFORMANCE OUTSIDE THE UNITED STATES	9
3.5	INTERPRETATION OF TERMS AND PHRASES.....	10
4.0	REQUIREMENTS	10
4.1	PRICING	10
4.2	TRANSPORTATION AND IDENTIFICATION	10
4.3	FINANCIAL STABILITY	11
4.4	HUB PARTICIPATION	11
4.5	REFERENCES	11
4.6	PERSONNEL	11
4.7	VENDOR’S REPRESENTATIONS.....	12
4.8	AGENCY INSURANCE REQUIREMENTS MODIFICATION	12
4.9	LOBBYING ACTIVITY CERTIFICATION FOR FEDERAL GRANTS	12
4.10	SUBCONTRACTORS	12
4.11	SECRETARY OF STATE REGISTRATION.....	12
5.0	SPECIFICATIONS AND SCOPE OF WORK	13
5.1	TASKS/DELIVERABLES	15
5.2	DEVIATIONS.....	22
6.0	CONTRACT ADMINISTRATION	22

3 22

6.1 CUSTOMER SERVICE 22

6.1 INVOICES..... 23

6.2 CONTINUOUS IMPROVEMENT 23

6.3 TRANSITION ASSISTANCE 23

6.4 DISPUTE RESOLUTION 23

6.5 POST AWARD PRODUCT SUBSTITUTIONS, ADDITIONS & REMOVALS..... 23

6.6 CONTRACT CHANGES 24

6.7 ATTACHMENTS 24

ATTACHMENT A: PRICING FORM..... 25

ATTACHMENT B: INSTRUCTIONS TO VENDORS..... 29

ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS 29

ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION 30

ATTACHMENT E: CUSTOMER REFERENCE FORM 32

ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR..... 33

ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION..... 34

ATTACHMENT H: CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, & COOPERATIVE AGREEMENTS 35

1.0 PURPOSE AND BACKGROUND

The purpose of this Invitation for Bids is to seek competitive sealed bids from qualified vendors to establish an Agency Specific Contract to conduct annual calibration and repair work for a variety of radiation detection instruments to include survey meters, radiation detectors and self-reading pocket dosimeters on an “as needed” basis if and when ordered by the NC Department of Public Safety, Division of Emergency Management (NCEM) during the contract period.

The intent of this solicitation is to award an Agency Specific Contract.

1.1 CONTRACT TERM

The Contract shall have an initial term of three (3) years, beginning on the date of final Contract execution (the “Effective Date”).

Bids shall be submitted in accordance with the terms and conditions of this IFB and any addenda issued hereto.

2.0 GENERAL INFORMATION

2.1 INVITATION FOR BID DOCUMENT

This IFB is comprised of the base IFB document, any attachments, and any addenda released before Contract award, which are incorporated herein by reference.

2.2 E-PROCUREMENT FEE

ATTENTION: This is an NC eProcurement solicitation facilitated by the Ariba Network. The E-Procurement fee may apply to this solicitation. See the paragraph entitled ELECTRONIC PROCUREMENT of the North Carolina General Terms and Conditions.

General information on the E-Procurement Services can be found at: <http://eprocurement.nc.gov/>.

What is the Ariba Network?

The Ariba Network is a web-based platform that serves as a connection point for buyers and Vendors. Vendors can log in to the Ariba Network to view purchase orders, respond to electronic requests for quotes, participate in Sourcing Events, and collaborate with buyers on contract documents.

For training on how to use the Sourcing Tool to view solicitations, submit questions, develop responses, upload documents, and submit offers to the State, Vendors should go to the following site:

<http://eprocurement.nc.gov/training/Vendor-training>.

2.3 NOTICE TO VENDORS REGARDING IFB TERMS AND CONDITIONS

It shall be the Vendor’s responsibility to read the Instructions to Vendors, the North Carolina General Terms and Conditions, all relevant exhibits and attachments, and any other components made a part of this IFB and comply with all requirements and specifications herein. Vendors are also responsible for obtaining and complying with all Addenda and other changes that may be issued in connection with this IFB.

If Vendors have questions or issues regarding any component of this IFB, those must be submitted as questions in accordance with the instructions in the BID QUESTIONS Section. If the State determines that any changes will be made as a result of the questions asked, then such decisions will be communicated in the form of an IFB addendum. The State may also elect to leave open the possibility for later negotiation of specific provisions of the Contract that have been addressed during the question-and-answer period, prior to contract award.

Other than through the process of negotiation under 01 NCAC 05B.0503, the State rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor’s bid or otherwise. This applies to any language appearing in or attached to the document as part of the Vendor’s bid that purports to vary any terms and conditions or Vendors’

instructions herein or to render the bid non-binding or subject to further negotiation. Vendor’s bid shall constitute a firm offer that shall be held open for the period required herein (“Validity Period” above).

The State may exercise its discretion to consider Vendor proposed modifications. By execution and delivery of this IFB Response, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect, and will be disregarded unless expressly agreed upon during negotiations and incorporated by way of a Best and Final Offer (BAFO). Noncompliance with, or any attempt to alter or delete, this paragraph shall constitute sufficient grounds to reject Vendor’s bid as nonresponsive.

2.4 IFB SCHEDULE

The table below shows the *intended* schedule for this IFB. The State will make every effort to adhere to this schedule.

Event	Responsibility	Date and Time
Issue IFB	State	December 29, 2025
Submit Written Questions	Vendor	January 7, 2026 By 2pm ET
Provide Response to Questions	State	January 8, 2026
Submit Bids	Vendor	January 13, 2026 By 2pm Microsoft Teams Need help? Join the meeting now Meeting ID: 242 985 500 957 52 Passcode: kZ93rN76 Dial in by phone +1 984-204-1487,,747720333# United States, Raleigh Find a local number Phone conference ID: 747 720 333# Join on a video conferencing device Tenant key: ncgov@m.webex.com Video ID: 115 919 677 5 More info
Contract Award	State	To be determined

2.5 BID QUESTIONS

Upon review of the IFB documents, Vendors may have questions to clarify or interpret the IFB in order to submit the best bid possible. To accommodate the Bid Questions process, Vendors shall submit any such questions by the “Submit Written Questions” date and time provided in the IFB SCHEDULE Section above, unless modified by Addendum.

Questions related to the content of the solicitation, or the procurement process should be directed to the person on the title page of this document via the Sourcing Tool's message board by the date and time specified in the IFB SCHEDULE Section of this IFB.

Vendors will enter “**IFB # 19-IFB-1924570398-RMT – Questions**” as the subject of the message. Question submittals should include a reference to the applicable IFB section. This is the only manner in which questions will be received.

Questions or issues related to using the Sourcing Tool itself can be directed to the North Carolina eProcurement Help Desk at 888-211-7440, Option 2. Help Desk representatives are available Monday through Friday from 7:30 AM ET to 5:00 PM ET.

Questions received prior to the submission deadline date, the State’s response, and any additional terms deemed necessary by the State will be posted in the Sourcing Tool in the form of an addendum and shall become an Addendum to this IFB. No information, instruction or advice provided orally or informally by any State personnel, whether made in response to a question or otherwise in connection with this IFB, shall be considered authoritative or binding. Vendors shall rely *only* on written material contained in the IFB and an addendum to this IFB.

2.6 BID SUBMITTAL

IMPORTANT NOTE: This is an absolute requirement. Late bids, regardless of cause, will not be opened or considered, and will be automatically disqualified from further consideration. Vendor shall bear the sole risk of late submission due to unintended or unanticipated delay. It is the Vendor’s sole responsibility to ensure its bid has been received as described in this IFB by the specified time and date of opening. Failure to submit a bid in strict accordance with instructions provided shall constitute sufficient cause to reject a Vendor’s bids(s). Solicitation responses are subject to Sealed Bidding requirements.

Vendor’s bids for this procurement must be submitted through the Sourcing Tool. For training on how to use the Sourcing Tool to view solicitations, submit questions, develop responses, upload documents, and submit offers to the State, Vendors should go to the following site: <https://eprocurement.nc.gov/training/vendor-training>

Questions or issues related to using the Sourcing Tool itself can be directed to the North Carolina eProcurement Help Desk at 888-211-7440, Option 2. Help Desk representatives are available Monday through Friday from 7:30 AM EST to 5:00 PM EST.

Tips for Using the Sourcing Tool

1. Vendors should review available training and confirm that they are able to access the Sourcing Event, enter responses, and upload files well in advance of the date and time response are due to allow sufficient time to seek assistance from the North Carolina eProcurement Help Desk.
2. Vendors may submit their responses early to make sure there are no issues, and then submit a revised response any time prior to the response due date and time. The State will only review the most recent response.
3. Vendors should respond to all relevant sections of the Sourcing Event. Certain questions or items are required in order to submit a response and are denoted with an asterisk. The Sourcing Tool will not allow a response to be submitted unless all required items are completed. The Sourcing Tool will provide error messages to help identify any required information that is missing when response is submitted.
4. Simply saving your response in the Sourcing Tool is not the same as submitting your response to the State. Vendors should make sure they complete the submission process and receive a message that their response was successfully submitted.
5. **Only Bids submitted through the Content Section of the Ariba Sourcing Event will be considered. Bids submitted through the Message Board will not be accepted or considered for award.**

If confidential and proprietary information is included in the bid, also submit one (1) signed, REDACTED copy of the bid. Such information may include trade secrets defined by N.C. Gen. Stat. § 66-152 and other information exempted from the Public Records Act pursuant to N.C. Gen. Stat. §132- 1.2. Vendor may designate information, Products, Services, or appropriate portions of its response as confidential, consistent with and to the extent permitted under the statutes and rules set forth above. By so redacting any page, or portion of a page, the Vendor warrants that it has formed a good faith opinion, having received such necessary or proper review by counsel and other knowledgeable advisors, that the portions determined to be confidential and proprietary and redacted as such, meet the requirements of the Rules and Statutes set forth above. However, under no circumstances shall price information be designated as confidential.

If the Vendor does not provide a redacted version of the bid with its bid submission, the Department may release an unredacted version if a record request is received.

2.7 BID CONTENTS

Vendors shall provide responses to all questions and complete all attachments for this IFB that require the Vendor to provide information and upload them to the Sourcing Event in the Sourcing Tool. Vendor may not be able to submit its response in the Sourcing Tool unless all required items are addressed. Vendors shall provide authorized signatures where requested. Failure to provide all required items, or Vendor's submission of incomplete items, may result in the State rejecting Vendor's bid, in the State's sole discretion.

Vendors shall upload the following items and attachments in the Sourcing Tool:

- a) Title Page: Include the company name, address, phone number and authorized representative along with the Bid Number.
- b) Completed and signed version of all EXECUTION PAGES, along with the body of the IFB.
- c) Signed receipt pages of any addenda released in conjunction with this IFB, if required to be returned.
- d) Vendor's Response: 4.11 Secretary of State Registration, 6.1 Contract Manager
- e) Completed version of ATTACHMENT A: PRICING FORM
- f) Completed and signed version of ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION
- g) Completed and signed version of ATTACHMENT E: CUSTOMER REFERENCE FORM
- h) Completed and signed version of ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR
- i) Completed and signed version of ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION
- j) Completed and signed version ATTACHMENT H:of CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and OMB STANDARD FORM LLL

2.8 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

Relevant definitions for this IFB are provided in 01 NCAC 05A .0112 and in the Instructions to Vendors found in the Sourcing Tool, which are incorporated herein by this reference.

3.0 METHOD OF AWARD AND BID EVALUATION PROCESS

3.1 METHOD OF AWARD

North Carolina G.S. 143-52 provides a general list of criteria the State shall use to award contracts, as supplemented by the additional criteria herein. The Goods or Services being procured shall dictate the application and order of criteria; however, all award decisions shall be in the State's best interest.

All responsive bids will be reviewed, and an award or awards will be based on the responsive bid(s) offering the lowest price that meets the specifications provided herein, to include any required verifications set out here in such as but not limited to past performance, references, and financial documents.

While the intent of this IFB is to award a Contract(s) to a single Vendor, the State reserves the right to make separate awards to different Vendors for one or more line items, to not award one or more line items, or to cancel this IFB in its entirety without awarding a Contract, if it is considered to be most advantageous to the State to do so.

The State reserves the right to waive any minor informality or technicality in bids received.

3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION

While this IFB is under evaluation, the responding Vendor, including any subcontractors and suppliers, is prohibited from engaging in conversations intended to influence the outcome of the evaluation. See Paragraph 29. of the Instructions to Vendors entitled COMMUNICATOINS BY VENDORS

Each Vendor submitting a bid to this IFB, including its employees, agents, subcontractors, suppliers, subsidiaries and affiliates, is prohibited from having any communications with any person inside or outside the using agency; issuing agency; other government

agency office or body (including the procurement lead named above, any department secretary, agency head, members of the General Assembly and Governor’s office); or private entity, if the communication refers to the content of Vendor’s bid or qualifications, the content of another Vendor’s proposal, another Vendor’s qualifications or ability to perform a resulting contract, and/or the transmittal of any other communication of information that could be reasonably considered to have the effect of directly or indirectly influencing the evaluation of proposals, the award of a contract, or both.

Any Vendor not in compliance with this provision shall be disqualified from evaluation and award. A Vendor’s proposal may be disqualified if its subcontractor and/or supplier engage in any of the foregoing communications during the time that the procurement is active (*i.e.*, the issuance date of the procurement until the date of contract award or cancellation of the procurement). Only those discussions, communications or transmittals of information authorized or initiated by the issuing agency for this IFB or inquiries directed to the procurement lead named in this IFB regarding requirements of the IFB (prior to proposal submission) or the status of the award (after submission) are excepted from this provision.

3.3 BID EVALUATION PROCESS

Only responsive submissions will be evaluated.

The State will conduct an evaluation of responsive Bids, as follows:

Bids will be received according to the method stated in the Bid Submittal section above.

All bids must be received by the issuing agency not later than the date and time specified in the IFB SCHEDULE Section above, unless modified by Addendum. Vendors are cautioned that this is a request for offers, not an offer or request to contract, and the State reserves the unqualified right to reject any and all offers at any time if such rejection is deemed to be in the best interest of the State.

At the date and time provided in the IFB SCHEDULE Section above, unless modified by Addendum, the bids from each responding Vendor will be opened publicly and all offers (except those that have been previously withdrawn, or voided bids) will be tabulated. The tabulation shall be made public at the time it is created. When negotiations after receipt of bids is authorized pursuant to G.S. 143-49 and 01 NCAC 05B.0503, only the names of offerors and the Goods and Services offered shall be tabulated at the time of opening. Cost and price shall become available for public inspection at the time of the award. Interested parties are cautioned that these costs and their components are subject to further evaluation for completeness and correctness and therefore may not be an exact indicator of a Vendor’s pricing position.

At their option, the evaluators may request oral presentations or discussions with any or all Vendors for clarification or to amplify the materials presented in any part of the bid. Vendors are cautioned, however, that the evaluators are not required to request presentations or other clarification—and often do not. Therefore, all bids should be complete and reflect the most favorable terms available from the Vendor. Prices bid cannot be altered or modified as part of a clarification.

Bids will generally be evaluated, based on completeness, content, cost and responsibility of the Vendor to supply the requested Goods and Services. Specific evaluation criteria are listed in Section 3.1 METHOD OF AWARD.

Upon completion of the evaluation process, the State will make Award(s) based on the evaluation and post the award(s) to the *electronic Vendor Portal (eVP)*, <https://evp.nc.gov>, under the IFB number for this solicitation. Award of a Contract to one Vendor does not mean that the other bids lacked merit, but that, all factors considered, the selected bid was deemed most advantageous and represented the best value to the State.

The State reserves the right to negotiate with one or more Vendors, or to reject all original offers and negotiate with one or more sources of supply that may be capable of satisfying the requirement, and in either case to require Vendor to submit a Best and Final Offer (BAFO) based on discussions and negotiations with the State.

3.4 PERFORMANCE OUTSIDE THE UNITED STATES

Vendor shall complete ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR. In addition to any other evaluation criteria identified in this IFB, the State may also consider, for purposes of evaluating proposed or actual contract performance outside of

the United States, how that performance may affect the following factors to ensure that any award will be in the best interest of the State:

- a) Total cost to the State
- b) Level of quality provided by the Vendor
- c) Process and performance capability across multiple jurisdictions
- d) Protection of the State’s information and intellectual property
- e) Availability of pertinent skills
- f) Ability to understand the State’s business requirements and internal operational culture
- g) Particular risk factors such as the security of the State’s information technology
- h) Relations with citizens and employees
- i) Contract enforcement jurisdictional issues

3.5 INTERPRETATION OF TERMS AND PHRASES

This IFB serves two functions: (1) to advise potential Vendors of the parameters of the solution being sought by the State; and (2) to provide (together with other specified documents) the terms of the Contract resulting from this procurement. The use of phrases such as “shall,” “must,” and “requirements” are intended to create enforceable contract conditions. In determining whether bids should be evaluated or rejected, the State will take into consideration the degree to which Vendors have proposed or failed to propose solutions that will satisfy the State’s needs as described in the IFB. Except as specifically stated in the IFB, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement may result in the State exercising its discretion to reject a bid in its entirety.

4.0 REQUIREMENTS

This Section lists the requirements related to this IFB. By submitting a bid, the Vendor agrees to meet all stated requirements in this Section as well as any other specifications, requirements, and terms and conditions stated in this IFB. If a Vendor is unclear about a requirement or specification, or believes a change to a requirement would allow for the State to receive a better bid, the Vendor is urged to submit these items in the form of a question during the question and answer period in accordance with the Bid Questions Section above.

4.1 PRICING

Bid price shall constitute the total cost to the State for complete performance in accordance with the requirements and specifications herein, including all applicable charges for handling, transportation, administrative and other similar fees. Complete ATTACHMENT A: PRICING FORM and upload in the Sourcing Tool. The pricing provided in ATTACHMENT A, or resulting from any negotiations, is incorporated herein and shall become part of any resulting Contract.

INVOICES MAY NOT BE PAID UNTIL AN INSPECTION HAS OCCURRED AND THE GOODS OR SERVICES ACCEPTED.

4.1.1 Import Tariff Temporary Surcharge

Pricing shall be exclusive of any pending tariffs or temporary tariff surcharge. Vendor may request a temporary tariff surcharge in ATTACHMENT A: PRICING SUBMITTAL WORKBOOK as a charge separate from the contract price. Any temporary tariff surcharge(s) associated with purchases shall be provided by way of a percentage tariff surcharge. All tariff surcharges proposed are intended to be temporary and based on current tariff implications specific to related commodities with evidence of submitted documentation of affected MSRP products. Vendor understands that the agency may request additional justification. Any temporary tariff surcharge percentage will be negotiated and mutually agreed upon. The state is not obligated to accept any proposed import tariff surcharge. Proposed tariff surcharges may be used as a factor for evaluation and award.

4.2 TRANSPORTATION AND IDENTIFICATION

The Vendor shall deliver Free-On-Board (FOB) Destination to any requested location within the State of North Carolina with all transportation costs and fees included in the total bid price.

When an order is placed using a purchase order, the purchase order number shall be shown on all packages and shipping manifests to ensure proper identification and payment of invoices. If an order is placed without using a purchase order, such as via phone, the Buyer's name shall be shown on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order.

4.3 FINANCIAL STABILITY

As a condition of contract award, the Vendor must certify that it has the financial capacity to perform and to continue to perform its obligations under the Contract; that Vendor has no constructive or actual knowledge of an actual or potential legal proceeding being brought against Vendor that could materially adversely affect performance of this Contract; and that entering into this Contract is not prohibited by any contract, or order by any court of competent jurisdiction.

Each Vendor shall certify it is financially stable by completing ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION. The State is requiring this certification to minimize potential issues from contracting with a Vendor that is financially unstable. From the date of the Certification to the expiration of the Contract, the Vendor shall notify the State within thirty (30) days of any occurrence or condition that materially alters the truth of any statement made in this Certification. The Contract Manager may require annual recertification of the Vendor's financial stability.

4.4 HUB PARTICIPATION

Pursuant to North Carolina General Statute G.S. 143-48, it is State policy to encourage and promote the use of small, minority, physically handicapped, and women contractors in purchasing Goods and Services. As such, this IFB will serve to identify those Vendors that are minority owned or have a strategic plan to support the State's Historically Underutilized Business program by meeting or exceeding the goal of 10% utilization of diverse firms as 1st or 2nd tier subcontractors. Vendor shall complete ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION.

4.5 REFERENCES

Vendor shall upload to the Sourcing Tool at least three (3) references, using ATTACHMENT E: CUSTOMER REFERENCE FORM, for which it has provided services of similar size and scope to those proposed herein. References shall not be from the same company or from the soliciting State entity. In addition, Vendor shall provide references for and identify other government contracts it has received, for which your company has provided services of similar size and scope to those proposed herein. The State may contact these users to determine whether the services provided are substantially similar in scope to those proposed herein and whether Vendor's performance has been satisfactory. The information obtained may be considered in the evaluation of the Bid.

4.6 PERSONNEL

Vendor warrants that qualified personnel shall provide Services under this Contract in a professional manner. "Professional manner" means that the personnel performing the Services will possess the skill and competence consistent with the prevailing business standards in the industry. Vendor will serve as the prime contractor under this Contract and shall be responsible for the performance and payment of all subcontractor(s) that may be approved by the State. Names of any third-party Vendors or subcontractors of Vendor may appear for purposes of convenience in Contract documents; and shall not limit Vendor's obligations hereunder. Vendor will retain executive representation for functional and technical expertise as needed in order to incorporate any work by third party subcontractor(s).

Should the Vendor's bid result in an award, the Vendor shall be required to agree that it will not substitute key personnel assigned to the performance of the Contract without prior written approval by the Contract Lead. Vendor shall further agree that it will notify the Contract Lead of any desired substitution, including the name(s) and references of Vendor's recommended substitute personnel. The State will approve or disapprove the requested substitution in a timely manner. The State may, in its sole discretion, terminate the Services of any person providing Services under this Contract. Upon such termination, the State may request acceptable substitute personnel or terminate the contract Services provided by such personnel.

4.7 VENDOR’S REPRESENTATIONS

If Vendor’s bid results in an award, Vendor agrees that it will not enter any agreement with a third party that may abridge any rights of the State under the Contract. If any Services, deliverables, functions, or responsibilities not specifically described in this solicitation are required for Vendor’s proper performance, provision and delivery of the Service and deliverables under a resulting Contract, or are an inherent part of or necessary sub-task included within such Service, they will be deemed to be implied by and included within the scope of the Contract to the same extent and in the same manner as if specifically described in the Contract. Unless otherwise expressly provided herein, Vendor will furnish all of its own necessary management, supervision, labor, facilities, furniture, computer and telecommunications equipment, software, supplies and materials necessary for the Vendor to provide and deliver the Services and/or other Deliverables.

4.8 AGENCY INSURANCE REQUIREMENTS MODIFICATION

A. Default Insurance Coverage from the General Terms and Conditions applicable to this Solicitation:

- Small Purchases
- Contract value in excess of the Small Purchase threshold, but up to \$1,000,000.00
- Contract value in excess of \$1,000,000.00

4.9 LOBBYING ACTIVITY CERTIFICATION FOR FEDERAL GRANTS

Federal law prohibits recipients of federal funds, whether through grants, contracts, or cooperative agreements, from using those funds to influence or attempt to influence (lobby) a federal official in connection with obtaining, extending, or modifying any federal contract, grant, loan, or cooperative agreement. Further, federal law requires that applicants for federal funds certify:

- that they abide by the above restriction;
- that they disclose any permissible (non-federal) paid lobbying on the Federal Awards being applied for; and
- that such certification requirements will also be included in any subawards meeting the applicable thresholds.

Vendors must complete and submit the ATTACHMENT H: CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and the OMB STANDARD FORM LLL when responding to this solicitation.

4.10 SUBCONTRACTORS

No portion of the work shall be subcontracted without prior written consent of the State. In the event that the Vendor desires to subcontract some part of the work specified herein, the Vendor shall furnish with their bid the names, qualifications, and experience of their proposed subcontractors. The Vendor shall, however, remain solely and fully liable and responsible for the work done by its subcontractor(s) and shall assure compliance with all the requirements and specifications of the contract.

4.11 SECRETARY OF STATE REGISTRATION

Prior to entering into a contract with the State, the awarded Vendor(s) must complete registration with the NC Secretary of State. Upon notification of award, the selected Vendor(s) must furnish evidence of filing within 10 business days. Failure to provide this documentation may result in the disqualification of the Vendor(s) bid from further consideration for the award. **No purchase orders shall be issued prior to confirmation of completed registration with the Secretary of State.**

A contract award under the above-referenced solicitation, and the resulting purchase orders, will produce repeated orders and transactions in North Carolina and will constitute “transacting business” in the State, which requires a certificate of authority from

the North Carolina Secretary of State as provided in G.S. §55-15-01 (corporations) or §57D-7-01 (LLCs). Please go to: <https://www.sosnc.gov/> to register.

. Vendor has registered with the North Carolina Secretary of State: Yes No

5.0 SPECIFICATIONS AND SCOPE OF WORK

The Vendor is to maintain electronic records of all calibration certificates issued and provide any or all of those records at the request of NCEM for at least 3 years following §CFR 35.61 requirements.

Calibration Bids from vendors must show the annual cost of calibration for each instrument and quantity listed in the table for each of the three years of the contract. The table shows our best estimate based on past requirements and experience. However, the number of instruments and types will vary up to 10% from year to year as older instruments are phased out and replaced with newer types of instrumentation. Calibration costs for Instruments added to this list during the period of the contract will be negotiated with the vendor prior to submission for calibration.

Repairs: Bids from vendors will include the cost (materials, labor, tools, overhead) to repair/replace seven Ludlum Model 26 Friskers GM tubes per year. Bids will also include the hourly labor rate for other repairs. It is the general policy of NCEM to not repair instruments when the repair costs will exceed 50% of the value of the instrument. All repairs will require prior approval of NCEM, via email, prior to start.

The turn-around-time for instruments must not exceed twenty (20) working days. Turn-around-time includes the shipping or hand-delivery of instruments to the vendor, maintenance, and calibration, and return shipment to the owner (State or County).

It is preferred that vendors submitting bids for this contract have a current National Voluntary Laboratory Accreditation Program (NVLAP) certificate.

Vendor has a current National Voluntary Laboratory Accreditation Program (NVLAP) certificate.

Yes No

All instruments must be calibrated in accordance with the specifications contained in this document using equipment traceable to the National Institute of Standards and Technology (NIST).

Any vendor submitting a proposal on this contract must have the capability to meet the qualifications listed below for specific instrumentation as well as the time limits specified in the previous paragraph. Instruments for which specific instructions are not provided will be calibrated in accordance with manufacturer specifications.

The vendor will be expected to conduct basic repairs on broken instruments. Dosimeters will not be repaired. Typical repairs include Geiger-Muller tube (GM) and circuit board replacements, cable replacement/repairs, and display glass replacements. Each repair must be approved by NCEM prior to work beginning and repairs are typically not approved when costs will exceed 50% of replacement cost.

Stickers will be placed on each instrument after calibration / testing. They will have printed on them, at a minimum, the calibration / test date, next calibration / test due date, the identification number of the check source used and the range for the operational check if actable.

NCEM will reimburse the cost of return shipping, which should be added to the invoice. All equipment should be insured for shipping based on values provided by NCEM.

Note: The equipment list is an estimate only. Additional types of meters may be added.

Equipment	List of equipment and numbers to be sent for testing and calibration
Procedure 1	The requirements for testing of dosimeters
Table 1	Breakout of each type of equipment for testing

2.	Certification of Contamination style survey meter	<input type="checkbox"/> YES <input type="checkbox"/> NO
3.	Certification of exposure (dose) rate style of meters	<input type="checkbox"/> YES <input type="checkbox"/> NO
4.	Certification of measurement of exposure (dose) meters	<input type="checkbox"/> YES <input type="checkbox"/> NO
5.	Certification of instruments for use in Nuclide Identification	<input type="checkbox"/> YES <input type="checkbox"/> NO
6.	Verification of Neutron alarm and detection	<input type="checkbox"/> YES <input type="checkbox"/> NO

Dosimeters

Estimated count per year

0-200 mR Self Reading Pocket Dosimeter	1200
0-500 mR Self Reading Pocket Dosimeter	120
0-5 R Self Reading Pocket Dosimeter	65
0-10 R Self Reading Pocket Dosimeter	60
0-20 R Self Reading Pocket Dosimeter	4100
0-200 R Self Reading Pocket Dosimeter	2

Equipment

Device	Detector	# Devices
Ludlum 26	Internal PGM	850
Inspector EXP	Internal PGM	125
Ludlum 2401-P	Internal PGM	25
Ludlum 2241	External PGM	15
Ludlum 2241	External SWGM	7
Ludlum 2241-2	External PGM	39
Ludlum 2241-3	External PGM / External Scint / Ext 133-7	3
Ludlum 3	External PGM	50
Ludlum 3	External SWGM	4
Ludlum 3 with extra detector	External PGM External SWGM	2
Ludlum 14C	External PGM 2 Internal GM	20
Ludlum 14C	External SWGM Internal GM	1
Ludlum 14C (with extra detector)	External PGM / External SW or Scint / Internal GM	15
Canberra Radiac Series	Internal GM	210
Eberline E-520	External PGM Internal GM	1
Eberline E-520	External SWGM Internal GM	6

RadEye PRD	Internal	85
RadEye SPRD	Internal	40
RadEye G	Internal	3
RadEye GN	Internal	4
Eberline RM20	External PGM	1
SE Rad Alert 50	Internal EWGM	7
Bicron 2000	External PGM Internal GM	2
CDV-700		12
CDV-715		10
CDV-718	External GM	3
CDV-718A Kit	External GM / External PGM	6
Thermo RIIDEye X-GN	Internal Gamma Internal Neutron	4
Thermo PackEye	Internal Gamma / Internal Neutron	3
Mirion EPD	Internal	20
FLIR IdentiFINDER	Internal Scint. / Internal GM / Internal Neutron	3
Flexspec Backpack Model R141001	Internal Gamma / With Neutron Module	1
Gamma Scout		2
Cannberra InSpector 1000	Int GM / Ext IPRON-1 / Ext IPRON-N	1
Thermo FH-406	Internal Probe / External Probe	1
Ludlum 3000	External SWGM	8
Ludlum 193		1

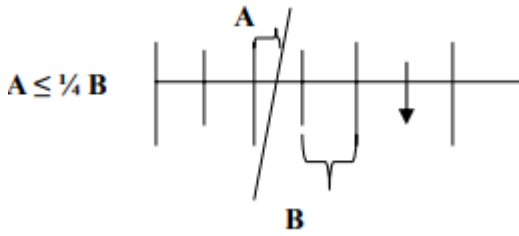
5.1 TASKS/DELIVERABLES

PROCEDURE 1. Certification of Self-Reading Pocket Dosimeters for Field Use

(0 to 200 mR SRPD, 0 to 500 mR SPRD, 0 to 5 R SPRD, 0 to 10 R SPRD, 0 to 20 R SPRD, 0 to 200 R SPRD)

- A. Short Test: (as stated by **NUREG 8.4**) The change in reading of a “zeroed” dosimeter caused by shorting the charging electrode to the barrel of the dosimeter shall be assessed. The change observed shall not exceed 5 percent of full scale. Results of testing shall be reported as either PASS or FAIL
- B. Charge Leak (Drift) Test: The discharge of the dosimeter in the absence of a radiation environment above background shall be measured.
 - a. For 5R, 10R, 20R, 100R style Dosimeters – set to a temperature of **40°C for 48 hours**. The dosimeter can have a drift of no more than +/- 5% when the device is allowed to cool to 18 to 22 C (or the temperature at which the device was initially zeroed). Results of testing shall be reported as either PASS or Fail.
 - b. For 200mR, 500mR, style Dosimeters – set to a temperature of **30°C for 48 hours**. The dosimeter can have a drift of no more than +/- 5% when the device is allowed to cool to 18 to 22 C (or the temperature at which the device was initially zeroed). Results of testing shall be reported as either PASS or Fail.
 - c. Mid-Scale Accuracy Test: Following irradiation (Cs-137 source) to half scale reading, verification should be within +/- 20% of the CTV (conventionally true value) exposure as measured by an NIST traceable electrometer/ion chamber. The expected and observed exposure shall be reported.
 - d. Dosimeters that FAIL testing shall be clearly labeled and bagged separately from devices meeting the operational standards specified above when they are returned.

- C. Fiber alignment to scale markings — The image of the fiber should appear as a line parallel to the scale markings within one-fourth of a minor scale division over the entire scale; that is, with the charging potential adjusted so that the image of the fiber coincides with the bottom of any major scale division marking, the distance between the image of the fiber and the top of that same major division marking should not be greater than one-fourth the distance between two adjacent minor division markings.



- C. Dosimeters that PASS testing shall be labeled so as to indicate the date of testing AND the recommended date for re-testing (annually unless otherwise specified by the NCEM REP equipment manager).

PROCEDURE 2. Certification of instruments for contamination surveys

(Ludlum 26, SEI Inspector EXP, Ludlum 2401-P, Ludlum 2241 with PGM (pancake GM) detector, Ludlum 2241-2, Ludlum 2241-3, Ludlum 3 with PGM detector, Ludlum 14C with PGM detector, Eberline E-520 with PGM detector, Eberline RM20, Bicron 2000 with PGM detector)

- A. Pre-calibration checks.
 - a. Proper function of all mechanical components (rotary, toggle, and contact switches, including battery check and reset switches) shall be verified;
 - b. Battery contacts shall be inspected for signs of corrosion damage;
 - c. Audio function (as appropriate) shall be verified; if the unit has a headset port then the headset and port should also be verified;
 - d. For meters with external detectors, the connecting cable shall be assessed for signs of shorting/noise generation, any visible damage;
 - e. High Voltage and Discrimination Thresholds for detection circuit shall be measured and adjusted as required (See TABLE 1 for exceptions);
 - f. The results of all Pre-calibration checks shall be reported.

- B. Testing of counting circuit using electronically generated pulses. Instruments shall be electronically calibrated using the Ludlum Model 500 Pulsar (or equivalent) with verification of meter response within +/- 5% accuracy. Readings must be in CPM.
 - a. For instruments with analog readouts, galvanometer zero must be verified and adjusted as needed. All range settings must be individually tested at 20 to 25% of full scale AND at 75 to 80% of full scale.
 - b. For instruments with digital readouts, the response to electronically generated pulses shall be verified at a minimum of two test points over the operating range of the device as specified in TABLE 1.
 - c. **Ludlum 26:** Certification of the Ludlum 26 should be based on radiation response as determined in a 1 to 2 mR/h Cs-137 gamma field. Pre-calibration assessment of detector HV/discrimination threshold and electronic calibration of the Ludlum 26 should be performed ONLY in cases in which the measured detection efficiency / sensitivity falls outside tolerance, (3000 to 4000 CPM per mR/h), AND that would be to confirm the abnormal response to radiation fields is unrelated to issues with the HV and counting circuits. If necessary, remove the case cover to expose the circuit board test point, to complete the electronic calibration. If the meter passes electronic calibration, the GM tube should be replaced to normalize the radiation response of the device and the calibration procedure restarted to confirm.

- C. Alert/Alarm settings and functionality. Instruments capable of generating audible, visible, and/or vibration alerts shall be verified to be properly configured and to generate the appropriate response when alarm thresholds are exceeded.
- D. Verification of detector response to beta and gamma radiation fields. The sensitivity (cpm per mR/h) and detection efficiency (cpm per dpm) of all pancake GM (PGM) tubes used to detect gamma and beta emitting surface contamination shall be determined using Cs-137 sources.
 - a. For determination of beta radiation detection efficiency, an approximate point source of Cs-137 with an activity of **100 +/- 20 nCi** with a mylar-beta window shall be used and reported as cpm per dpm. Source to detector distance shall be 1" to 2".
 - b. Detector sensitivity shall be determined in a Cs-137 gamma radiation field at an exposure rate of 1 to 2 mR/h and reported as cpm per mR/h. GM tubes shall be replaced if the measured sensitivity does not fall within the range of 3000 to 4000 CPM per mR/h. (See TABLE 1 for exceptions)
- E. Check sources. The response of the instrument to a dedicated check source shall be determined (if submitted with the device). Measurement shall be undertaken as either a one-minute integrated count or by averaging ten consecutive instantaneous count rate readings taken at six-second intervals. In either case, results will be reported as a count rate (CPM). This measurement will be used to determine the low and high limits for future constancy checks to be performed using the same check source to verify the operational status of the instrument prior to field use. (limits = +/- 20% of the mean count rate determined at the time of calibration).
- F. Labeling. Each instrument shall be labeled so as to indicate the date of calibration AND the recommended date for re-calibration (annually unless otherwise specified by the NCEM REP equipment manager). The low and high constancy check limits shall also be indicated.

PROCEDURE 3. Certification of instruments for use in measuring of exposure (dose) rate.

(Ludlum 2241 with external Side Window GM (SWGM) detector; Ludlum 2241-2 with external PGM detector; Ludlum 2241-3 with 44-2 (scintillation) detector and 133-7 high range GM detectors; Ludlum 3 with SWGM detector; Ludlum 14C internal GM (x1000 Range setting); Ludlum 14C with external SWGM detector; Canberra Radiacs; SEI Inspector EXP; Eberline E-520 internal GM (x100 Range setting); Eberline E-520 with external SWGM detector; Ludlum 3000 with external SWGM detector; Radeye PRD; Radeye SPRD; Radeye G, Radeye GN; SEI RAD50; CDV-700; CDV-715; CDV-718; Thermo RIIDEye; Thermo PackEye; Mirion Electronic Personal Dosimeter; Flexspec Backpack; Gamma Scout; FLIR Identifinder with internal scintillation and GM detectors; Canberra InSpector 1000 with internal and external detectors; Thermo FH-406 with internal and external detectors)

- A. Pre-calibration checks.
 - a. Proper function of all mechanical components (rotary, toggle, and contact switches, including battery check and reset switches) shall be verified;
 - b. Battery contacts shall be inspected for signs of corrosion damage;
 - c. Audio function (as appropriate) shall be verified; if the unit has a headset port then the headset and port should also be verified;
 - d. For meters with external detectors, the connecting cable shall be assessed for signs of shorting/noise generation, any visible damage;
 - e. High Voltage and Discrimination Thresholds for detection circuit shall be measured and adjusted as required (See TABLE 1 for exceptions)
 - f. The findings of all Pre-calibration checks shall be reported.
- B. Instrument and detector shall be calibrated as a unit in a NIST-traceable Cs-137 gamma radiation field with verification of meter response within +/- 15% accuracy (after adjusting calibration potentiometers OR resetting digitally stored calibration factors as needed). Readings shall be expressed in mR/h unless otherwise specified by the NCEM REP program equipment manager.
 - a. For instruments with analog readouts, each range setting specified in TABLE 1 with full scale exposure rate > 0.2 mR/h shall be tested at two points. one at 20-25% of full scale and the second at 75 to 80% of full scale.

Range settings with full scale exposure rate equal to or less than 0.2 mR/h can be tested at a single test point at 75 to 80% of full scale and must be corrected for background.

- b. For instruments with digital readouts, response to radiation fields shall be verified at one test point per decade over the range of operation OR as specified in TABLE 1.
- C. Alert/Alarm settings and functionality. Instruments capable of generating audible, visible, and/or vibration alerts shall be verified to be properly configured and to generate the appropriate response when alarm thresholds are exceeded.
- D. Check sources. The response of the instrument to a dedicated check source shall be determined. This measurement (mR/h scale) will be used to determine the low and high limits for future constancy checks to be performed using the same check source to verify the operational status of the instrument prior to field use. (+/- 20% of the mean exposure rate determined at the time of calibration with check source).
- E. Labeling. Each instrument shall be labeled so as to indicate the date of calibration AND the recommended date for re-calibration (annually unless otherwise specified by the NCEM REP equipment manager). The low and high constancy check limits shall also be indicated.

PROCEDURE 4. Certification for measurement of exposure (dose).

(Canberra Radiac; Mirion EPD)

- A. Instrument and detector shall be calibrated as a unit in an NIST-traceable Cs-137 gamma radiation field with verification of meter response within +/- 15% accuracy (after adjusting calibration potentiometers OR resetting digitally stored calibration factors as needed). Readings shall be expressed as either exposure (mR) or dose (mrem/h) as instructed by the NCEM REP program equipment manager. Verification of meter response at a single exposure rate within the operating range of the device is sufficient.
- B. Alert/Alarm settings and functionality. Instruments capable of generating audible, visible, and/or vibration alerts shall be verified to be properly configured and to generate the appropriate response when alarm thresholds are exceeded.
- C. Labeling. Each instrument shall be labeled so as to indicate the date of calibration AND the recommended date for re-calibration (annually unless otherwise specified by the NCEM REP equipment manager).

PROCEDURE 5. Certification of instruments for use in nuclide identification.

(Radeye SPRD; RIIDeye X-GN; FLIR Identifinder; Flexspec Backpack; Canberra InSpector 1000)

- A. Energy Peak Verification. Energy spectra for at least three different radionuclides (*options to include Am-241, Ba-133, Co-57, Cs-137, and Co-60*) shall be collected and analyzed. The expected and observed energy peak(s) for each nuclide shall be reported.
- B. Nuclide Identification Verification. The accuracy of the device in identifying radionuclides (known to be listed within the device library) shall be determined for at least three different emitters (*options to include Am-241, Ba-133, Co-57, Cs-137, and Co-60*).
- C. Labeling. Each instrument shall be labeled so as to indicate the date of testing AND the recommended date for re-testing (annually unless otherwise specified by the REP equipment manager).

PROCEDURE 6. Verification of neutron alarm / neutron detector function.

(Radeye SPRD; Radeye GN; RIIDeye X-GN; PackEye Backpack; FLIR Identifinder; Flexspec Backpack; Canberra InSpector 1000)

The response of the instrument to a neutron radiation field shall be assessed and the response reported as either appropriately responding (Pass), OR non-responding (Fail). Calibration of the neutron detector is not required.

Table 1: Survey Instruments

Device	Probe	Calibrate for contamination surveys (SEE PROC. 2)	Calibrate for mR/h / mrem/h measurements (SEE PROC. 3)	Calibrate for mR / mrem measurements (SEE PROC 4)	Nuclide ID Function Test (SEE PROC 5)	Neutron Field Response Verification (SEE PROC 6)	Other Requirements and Exceptions
Ludlum 26	Internal PGM	To 60K CPM					Electronic calibration not required UNLESS measured sensitivity falls outside the range of 3000 to 4000 cpm per mR/h for Cs-137 gamma. Measurement of HV and Discrimination Threshold NOT required. Note: Proc. 2 – B - c
Ludlum 2401-P	Internal PGM	All Range Settings					Measurement of Discrimination Threshold NOT required.
Ludlum 2241	External PGM	To 60K CPM					
Eberline RM20	External PGM	All Range Settings					
Inspector EXP	Internal PGM	To 60K CPM	4 to 40 mR/h				Determination of Detector Sensitivity NOT Required; Measurement of HV and Discrimination Threshold NOT required.
Ludlum 2241-2	External PGM	To 60K CPM	2 to 200 mR/h				
Ludlum 2241-3	External PGM External 44-2 External 133-7	To 60K CPM	2 to 200 mR/h 0.2 to 20 mR/h 0.2 to 20R/h				
Ludlum 3	External PGM	X0.1, X1, X10	X100				
Eberline E-520	External PGM Internal GM	X0.01, X0.1, X1, X10	X100				
Ludlum 3 with extra detector	External PGM External SWGM	X0.1, X1, X10	All Range Settings				A galvanometer face with full scale range of 2 mR/h and 2400 CPM (Ludlum Part Number 202-241) must be installed in order for the meter to be compatible for use with both the SWGM and PGM.
Ludlum 14C	External PGM Internal GM	X0.1, X1, X10, X100	X1000				

Ludlum 193	Internal Scint	X1, X10, X100, X1K	X1K				Determination of Detector Efficiency NOT Required
Bicron 2000	External PGM Internal GM	X0.1, X1, X10, X100	X1000				
CDV-700			All Range Settings				Measurement of HV and Discrimination Threshold NOT required.
CDV-715			All Range Settings				Measurement of HV and Discrimination Threshold NOT required.
CDV-718	External GM		@ 150, 500, 1500 mR/h				Measurement of HV and Discrimination Threshold NOT required.
CDV-718A Kit	External GM External PGM		@ 150, 500, 1500 mR/h				Measurement of HV and Discrimination Threshold NOT required. Determination of PGM Detector Sensitivity/Efficiency is Required
Device	Probe	Calibrate for contamination surveys (SEE PROC. 2)	Calibrate for mR/h / mrem/h measurements (SEE PROC. 3)	Calibrate for mR / mrem measurements (SEE PROC 4)	Nuclide ID Function Test (SEE PROC 5)	Neutron Field Response Verification (SEE PROC 6)	Other Requirements and Exceptions
Eberline E-520	External SWGM Internal GM		X0.01, X0.1, X1, X10 X100				
Gamma Scout			5 to 500 microSv/h				Measurement of HV and Discrimination Threshold NOT required.
Ludlum 3	External SWGM		All Range Settings				
Ludlum 14C	External SWGM Internal GM		X0.1, X1, X10, X100 X1000				
Ludlum 2241	External SWGM		2 to 200 mR/h				
Ludlum 3000	External SWGM		2 to 200 mR/h				
RadEye PRD	Internal		@ 0.2, 2, 20, 200 mR/h				Pre-calibration Lu203 HV adjust required; Update Internal Cal Date Required, Measurement of HV and Discrimination Threshold NOT required.

RadEye G	Internal		@ 5, 50, 500 mR/h 15 to 20 R/h				Update Internal Cal Date Required; Measurement of HV and Discrimination Threshold NOT required.
RadEye GN	Internal		@ 0.5, 2, 20, 200 mR/h			Required	Pre-calibration Lu203 HV adjust required; Measurement of HV and Discrimination Threshold NOT required.
SE Rad Alert 50	Internal EWGM		0.4 to 40 mR/h				Measurement of HV and Discrimination Threshold NOT required.
Thermo FH-406	Internal Probe External Probe		5 mR/h to 5 R/h 0.5 to 500 mR/h				Measurement of HV and Discrimination Threshold NOT required.
Canberra Radiac Series	Internal GM		@ 5, 50 mR/h, @ 5, 50 R/h	Required			Measurement of HV and Discrimination Threshold NOT required.
Mirion EPD	Internal		20 mrem/h to 20 rem/h	Required			Measurement of HV and Discrimination Threshold NOT required.
RadEye SPRD	Internal		@ 0.5, 2, 5, 20, 200 mR/h	Required	Required		Pre-calibration Lu203 HV adjust required; Update Internal Cal Date Required Measurement of HV and Discrimination Threshold NOT required.
Thermo RIIDEye X-GN	Internal Gamma Internal Neutron		0.2 to 20 mrem/h	Required	Required		Measurement of HV and Discrimination Threshold NOT required.
Device	Probe	Calibrate for contamination surveys (SEE PROC. 2)	Calibrate for mR/h / mrem/h measurements (SEE PROC. 3)	Calibrate for mR / mrem measurements (SEE PROC 4)	Nuclide ID Function Test (SEE PROC 5)	Neutron Field Response Verification (SEE PROC 6)	Other Requirements and Exceptions
Flexspec Backpack Model R141001	Internal Gamma With Neutron Module		0.5 to 50 mrem/h	Required	Required		Battery Status Test (Verify system can operate for at least 12h without recharge); Nuisance Alarm Check (Determine # of Nuisance Alarm Triggered over a 30 minute monitoring interval due to normal background radiation). Measurement of HV and

							Discrimination Threshold NOT required.
FLIR IdentifINDER	Internal Scint. Internal GM Internal Neutron		0.2 to 20 mrem/h 200 mrem to 20 rem/h	Required	Required		Measurement of HV and Discrimination Threshold NOT required.
Cannberra InSpector 1000	Int GM Ext IPRON-1 Ext IPRON-N		2 to 200 mrem/h 0.5 to 5 mrem/h	Required	Required		Measurement of HV and Discrimination Threshold NOT required.
Thermo PackEye	Internal Gamma Internal Neutron		50 to 5000 microR/h (Assess both # LED activated AND microR/h readout accuracy (using PDA))		Required		Battery Status Test (Verify system can operate for at least 24h without recharge); Nuisance Alarm Check (Determine # of Nuisance Alarm Triggered over a 30-minute monitoring interval due to normal background radiation). Measurement of HV and Discrimination Threshold NOT required.

5.2 DEVIATIONS

The nature of all deviations from the Specifications listed herein shall be clearly described by the Vendor. Otherwise, it will be considered that items offered by the Vendor are in strict compliance with the Specifications provided herein, and the successful Vendor shall be required to supply conforming goods and/or services. Deviations shall be explained in detail on an attached sheet. However, no implication is made or intended by the State that any deviation will be acceptable. Do not list objections to the North Carolina General Terms and Conditions in this section.

6.0 CONTRACT ADMINISTRATION

All Contract Administration requirements are conditioned on an award resulting from this solicitation. This information is provided for the Vendor’s planning purposes.

6.1 CUSTOMER SERVICE

The Vendor shall be required to designate and make available to the State for customer service. The customer service point of contact shall be the State’s point of contact for customer service-related issues.

Customer Service Point of Contact	
Name:	
Office Phone #:	
Mobile Phone #:	
Email:	

6.2 INVOICES

Vendor shall invoice the Procurement Entity. The standard format for invoicing shall be Single Invoices meaning that the Vendor shall provide the Procurement Entity with an invoice for each order. Invoices shall include detailed information to allow Procurement Entity to verify pricing at point of receipt matches the correct price from the original date of order. The following fields shall be included on all invoices, as relevant:

Vendor’s Billing Address, Customer Account Number, NC Contract Number, Order Date, Buyer’s Order Number, Manufacturer Part Numbers, Vendor Part Numbers, Item Descriptions, Price, Quantity, and Unit of Measure.

6.3 CONTINUOUS IMPROVEMENT

The State encourages the Vendor to identify opportunities to reduce the total cost the State. A continuous improvement effort consists of various ways to enhance business efficiencies as performance progresses.

6.4 TRANSITION ASSISTANCE

If a Contract results from this solicitation, and the Contract is not renewed at the end of the last active term, or is canceled prior to its expiration, for any reason, Vendor shall provide transition assistance to the State, at the option of the State, for up to six (6) months to allow for the expired or canceled portion of the Services to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Services to the State or its designees. If the State exercises this option, the Parties agree that such transition assistance shall be governed by the terms and conditions of the Contract (notwithstanding this expiration or cancellation), except for those Contract terms or conditions that do not reasonably apply to such transition assistance. The State shall agree to pay Vendor for any resources utilized in performing such transition assistance at the most current rates provided by the Contract for performance of the Services or other resources utilized.

6.5 DISPUTE RESOLUTION

During the performance of the Contract, the parties agree that it is in their mutual interest to resolve disputes informally. Any claims by the Vendor shall be submitted in writing to the State’s Contract Manager for resolution. Any claims by the State shall be submitted in writing to the Vendor’s Project Manager for resolution. The Parties shall agree to negotiate in good faith and use all reasonable efforts to resolve such dispute(s).

During the time the Parties are attempting to resolve any dispute, each shall proceed diligently to perform their respective duties and responsibilities under this Contract. The Parties will agree on a reasonable amount of time to resolve a dispute. If a dispute cannot be resolved between the Parties within the agreed upon period, either Party may elect to exercise any other remedies available under the Contract, or at law. This provision, when agreed in the Contract, shall not constitute an agreement by either party to mediate or arbitrate any dispute.

6.6 POST AWARD PRODUCT SUBSTITUTIONS, ADDITIONS & REMOVALS

Post-Award product substitutions are not permitted without prior written approval from the Contract Specialist. Proposed substitutions shall be of the same or higher quality and at the same or lower price as the original item. Failure of the Vendor to comply with this requirement shall constitute sufficient cause to hold the Vendor in default or for removal from the contract. The items included in this IFB are expected to cover the State’s needs for the term of the contract. In the case that the State’s needs change over the term of the contract, the State reserves the right to add additional products to the contract that can be

supplied by the awarded Vendor. The price for these added products will be mutually agreed to by the State and the Vendor but are assumed to be priced at a discount similar to what is being offered on the products listed in the IFB.

6.7 CONTRACT CHANGES

Contract changes, if any, over the life of the Contract shall be implemented by contract amendments agreed to in writing by the State and Vendor. Amendments to the contract can only be done through the Contract Administrator.

6.8 ATTACHMENTS

All attachments to this RFP are incorporated herein and shall be submitted by responding in the Sourcing Tool. These attachments can be found at the following Vendor Forms link for reference purposes only:

<https://ncadmin.nc.gov/documents/vendor-forms>

6.9 PRICE ADJUSTMENTS

Prices proposed by the Vendor shall be firm against any increase for **one (1) year** from the effective date of the Contract.

Price increase requests shall be submitted in writing to the Contract Lead, which shall include the reason(s) for the request and contain supporting documentation for the need. Price increases will be negotiated and agreed to by both the State and Vendor in advance of any price increase going into effect. The State is not obligated to accept pricing adjustments or increases and reserves the right to accept or reject them in part or in whole. Price de-escalation or decreases may be requested by the State at any time.

It is understood and agreed that orders will be shipped at the established Contract prices in effect on the date an order is placed. Invoicing that deviates from this provision may result in Contract to cancellation.

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ATTACHMENT A: PRICING FORM

Vendor shall furnish all necessary parts, labor, transportation, equipment, tools, materials and supplies as may be required to annual calibration and repair work for a variety of radiation detection instruments for the NC Department of Public Safety, Division of Emergency Management (NCEM) in accordance with the terms and conditions, specifications and scope of work fully incorporated herein.

Dosimeter Testing Cost

ITEM #	Instrument	Approximate instruments per year	Year One Cost	Year Two Cost	Year Three Cost	Total Cost for Three (3) Years
1	0-200 mR Dosimeter	1200	\$ _____	\$ _____	\$ _____	\$ _____
2	0-500 mR Dosimeter	120	\$ _____	\$ _____	\$ _____	\$ _____
3	0-5 R Dosimeter	65	\$ _____	\$ _____	\$ _____	\$ _____
4	0-10 R Dosimeter	60	\$ _____	\$ _____	\$ _____	\$ _____
5	0-20 R Dosimeter	4100	\$ _____	\$ _____	\$ _____	\$ _____
6	0-200 R Dosimeter	2	\$ _____	\$ _____	\$ _____	\$ _____

Survey Equipment Calibration / Testing Cost

Device	Detector	# Devices	Year One Cost	Year Two Cost	Year Three Cost	Total cost for 3 years
Ludlum 26	Internal PGM	850	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 25	Internal PGM	53	\$ _____	\$ _____	\$ _____	\$ _____
Inspector EXP	Internal PGM	125	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 2401-P	Internal PGM	25	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 2241	External PGM	15	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 2241	External SWGM	7	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 2241-2	External PGM	39	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 2241-3	External PGM External Scint Ext 133-7	3	\$ _____	\$ _____	\$ _____	\$ _____

Ludlum 3	External PGM	50	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 3	External SWGM	4	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 3 with extra detector	External PGM External SWGM	2	\$ _____	\$ _____	\$ _____	\$ _____

Ludlum 14C	External PGM 2 Internal GM	20	\$ _____	\$ _____	\$ _____	\$ _____
Device	Detector	# Devices	Year One Cost	Year Two Cost	Year Three Cost	Total cost for 3 years
Ludlum 14C	External SWGM Internal GM	1	\$ _____	\$ _____	\$ _____	\$ _____
Canberra Radiac Series	Internal GM	210	\$ _____	\$ _____	\$ _____	\$ _____
Eberline E-520	External PGM Internal GM	1	\$ _____	\$ _____	\$ _____	\$ _____
Eberline E-520	External SWGM Internal GM	6	\$ _____	\$ _____	\$ _____	\$ _____
RadEye PRD	Internal	85	\$ _____	\$ _____	\$ _____	\$ _____
RadEye SPRD	Internal	40	\$ _____	\$ _____	\$ _____	\$ _____
RadEye G	Internal	3	\$ _____	\$ _____	\$ _____	\$ _____
RadEye GN	Internal	4	\$ _____	\$ _____	\$ _____	\$ _____
Eberline RM20	External PGM	1	\$ _____	\$ _____	\$ _____	\$ _____
SE Rad Alert 50	Internal EWGM	7	\$ _____	\$ _____	\$ _____	\$ _____
Bicron 2000	External PGM Internal GM	2	\$ _____	\$ _____	\$ _____	\$ _____
CDV-700		12	\$ _____	\$ _____	\$ _____	\$ _____
CDV-715		10	\$ _____	\$ _____	\$ _____	\$ _____
CDV-718	External GM	3	\$ _____	\$ _____	\$ _____	\$ _____
CDV-718A Kit	External GM External PGM	6	\$ _____	\$ _____	\$ _____	\$ _____

Thermo RIIDEye X-GN	Internal Gamma Internal Neutron	4	\$ _____	\$ _____	\$ _____	\$ _____
Thermo PackEye	Internal Gamma Internal Neutron	3	\$ _____	\$ _____	\$ _____	\$ _____
Mirion EPD	Internal	20	\$ _____	\$ _____	\$ _____	\$ _____
FLIR IdentifINDER	Internal Scint. Internal GM Internal Neutron	3	\$ _____	\$ _____	\$ _____	\$ _____
Flexspec Backpack Model R141001	Internal Gamma With Neutron Module	2	\$ _____	\$ _____	\$ _____	\$ _____
Gamma Scout		2	\$ _____	\$ _____	\$ _____	\$ _____
Cannberra InSpector 1000	Int GM Ext IPRON-1 Ext IPRON-N	1	\$ _____	\$ _____	\$ _____	\$ _____
Thermo FH-406	Internal Probe External Probe	1	\$ _____	\$ _____	\$ _____	\$ _____
Device	Detector	# Devices	Year One Cost	Year Two Cost	Year Three Cost	Total cost for 3 years
Ludlum 3000	External SWGM	8	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 193	1	1	\$ _____	\$ _____	\$ _____	\$ _____

On average 28 PGM tubes and 13 case covers per year are replaced for Ludlum 26s. There have been a few cables repaired and PGM probes swapped out for EXPs. There were a few battery compartments that needed cleaning. Most all else must go back to the factory for repairs and updates and then recalibrated at the factory.

Survey Equipment Estimated Repair cost

Device	Detector Repair type	Average # Per Year	Cost of Parts Year One	Cost of Labor Year One	Cost of Parts Year Two	Cost of Labor Year two	Cost of Parts Year Three	Cost of Labor Year Three	Total cost for Three Years
Ludlum 26	Internal PGM Tube replacement	65	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 26	Case	5	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Ludlum 3	PGM Tube replacement	10	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Ludlum 14C	PGM Tube replacement	3	\$	\$	\$	\$	\$	\$	\$
Canberra Radiac Series	PGM Tube replacement	5	\$	\$	\$	\$	\$	\$	\$
Canberra Radiac Series	Battery Compartment cleaning	5	\$	\$	\$	\$	\$	\$	\$
Inspector EXP	PGM Tube replacement	2	\$	\$	\$	\$	\$	\$	\$
Inspector EXP	Battery Compartment cleaning	2	\$	\$	\$	\$	\$	\$	\$

Shipping:

Using your zip code and any other information provided, NCEM will estimate shipping costs for all bidders as part of the bid evaluation process. Please provide your Zip Code and any other relevant information concerning shipping costs.

Zip code: _____

Additional Shipping Information:

ATTACHMENT B: INSTRUCTIONS TO VENDORS

The Instructions to Vendors, which are incorporated herein by this reference, may be found here:

<http://www.doa.nc.gov/pandc/north-carolina-instructions-vendors-1-2025/open>

ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS

The North Carolina General Terms and Conditions, which are incorporated herein by this reference, may be found here:

[Microsoft Word - Form North-Carolina-General-Terms-and-Conditions 11.2021](#)

The remainder of this page is intentionally left blank.

ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION

Solicitation #: _____

Vendor Name: _____

Historically Underutilized Businesses (HUBs) consist of minority, women, and disabled business firms that are at least fifty-one percent owned and operated by an individual(s) from one of these categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

Pursuant to G.S. 143B-1361(a), 143-48 and 143-128.4, the State invites and encourages participation in this procurement process by businesses owned by minorities, women, the disabled, disabled business enterprises, and non-profit work centers for the blind and severely disabled. This includes utilizing individual(s) from these categories as subcontractors to perform the functions required in this Solicitation.

The Vendor shall respond to questions below, as applicable.

PART I: HUB CERTIFICATION

Is Vendor a NC-certified HUB entity? Yes No

If *yes*, provide Vendor #: _____

If *no*, does Vendor qualify for certification as HUB? Yes No

Vendors that check "yes" will be referred to the HUB Office for assistance in acquiring certification.

PART II: PROCUREMENT OF GOODS - SUPPLIERS

For *Goods* procurements, are you using Tier 2 suppliers? Yes No

If *yes*, then provide the following information:

Company Name	Company Address	Website Address	Contact Name	Contact Email	Contact Phone	NC HUB certified?	Percent of total bid price

PART III: PROCUREMENT OF SERVICES - SUBCONTRACTORS

For *Services* procurements, are you using Subcontractors to perform any of the services being procured under this solicitation? Yes No

If yes, then provide the following information:

Company Name	Company Address	Website Address	Contact Name	Contact Email	Contact Phone	NC HUB certified?	Percent of total bid price

Need more information?

Questions concerning the completion of this form should be presented during the Q&A period through the process defined in the Solicitation document.

Questions concerning NC HUB certification, contact the [North Carolina Office of Historically Underutilized Businesses](#) at 984-236-0130 or huboffice.doa@doa.nc.gov

ATTACHMENT E: CUSTOMER REFERENCE FORM

Solicitation #: _____

Vendor Name: _____

Instructions: Vendor shall use this template to submit three (3) customer references with its offer.

Name of Customer Organization:	
Customer Reference Name:	
Customer Reference Address:	
Customer Reference Email:	
Start Date:	
End Date:	
Explanation of contract, service agreement, or type of products and quantity provided to the organization:	

Name of Customer Organization:	
Customer Reference Name:	
Customer Reference Address:	
Customer Reference Email:	
Start Date:	
End Date:	
Explanation of contract, service agreement, or type of products and quantity provided to the organization:	

Name of Customer Organization:	
Customer Reference Name:	
Customer Reference Address:	
Customer Reference Email:	
Start Date:	
End Date:	
Explanation of contract, service agreement, or type of products and quantity provided to the organization:	

ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR

Solicitation #: _____

Vendor Name: _____

In accordance with NC General Statute G.S. 143-59.4, Vendor shall detail the location(s) at which performance will occur, as well as the manner in which it intends to utilize resources or workers outside of the United States in the performance of The Contract.

Vendor shall complete items 1 and 2 below.

1. Will any work under this Contract be performed outside of the United States? YES NO

If "YES":

- a) List the location(s) outside of the United States where work under the Contract will be performed by the Vendor, any subcontractors, employees, or any other persons performing work under the Contract.
- b) Specify the manner in which the resources or workers will be utilized:

2. Where within the United States will work be performed?

NOTES:

- 1. The State will evaluate the additional risks, costs, and other factors associated with the utilization of workers outside of the United States prior to making an award.
- 2. Vendor shall provide notice in writing to the State of the relocation of the Vendor, employees of the Vendor, subcontractors of the Vendor, or other persons performing services under the Contract to a location outside of the United States.
- 3. All Vendor or subcontractor personnel providing call or contact center services to the State of North Carolina under the Contract shall disclose to inbound callers the location from which the call or contact center services are being provided.

ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION

Solicitation #: _____

Name of Vendor: _____

The undersigned hereby certifies that: [check all applicable boxes]

The Vendor is in sound financial condition and, if applicable, has received an unqualified audit opinion for the latest audit of its financial statements.

Date of latest audit: _____ (If no audit within past 18 months, explain reason below)

The Vendor has no outstanding liabilities, including tax and judgment liens, to the Internal Revenue Service or any other government entity.

The Vendor is current on all amounts due for payments of federal and state taxes and required employment-related contributions and withholdings.

The Vendor is not the subject of any current litigation or findings of noncompliance under federal or state law.

The Vendor has not been the subject of any past or current litigation, findings in any past litigation, or findings of noncompliance under federal or state law that may impact in any way its ability to fulfill the requirements of The Contract.

He or she is authorized to make the foregoing statements on behalf of the Vendor.

Note: This shall constitute a continuing certification and Vendor shall notify the Contract Lead within 30 days of any material change to any of the representations made herein.

— If any one or more of the foregoing boxes is NOT checked, Vendor shall explain the reason(s) in the space below. Failure to include an explanation may result in Vendor being deemed non-responsive and its submission rejected in its entirety.



Signature Date

Printed Name Title

[This Certification must be signed by an individual authorized to speak for the Vendor]

ATTACHMENT H: CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, & COOPERATIVE AGREEMENTS

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal Contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal Contract, grant, loan, or cooperative agreement.

If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal Contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LL L, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subContracts, subgrants, and Contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Vendor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Vendor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Vendor's Authorized Official

Name and Title of Vendor's Authorized Official

Date