

# STATEMENT OF WORK

## 1.0 TITLE

Preventive Maintenance Service for One (1) Bruker Preclinical BioSpec 3T MRI System

## 2.0 BACKGROUND

The Radiation Biology Branch (RBB) at the National Institutes of Health (NIH), National Cancer Institute (NCI), Center for Cancer Research (CCR), conducts pre-clinical basic research aimed at identifying and incorporating novel approaches to cancer treatment, evaluation, and prevention. The rapid uncontrolled growth of cancer cells requires a different metabolism than the steady, controlled growth of normal cells. Detecting this abnormal metabolism provides both a way to improve cancer diagnosis and a new potential avenue for treatment.

To address these questions, the RBB has initiated several studies using a multinuclear magnetic resonance imaging (MRI) system, Bruker Preclinical BioSpec 3T. This system is heavily used for various collaborative research projects on metabolic  $^{13}\text{C}$  labeled tracer MRI with a wide variety of branches within NCI and NIH; regular maintenance services are necessary for consistent performance of  $^{13}\text{C}$  MRI.

## 3.0 SCOPE

The Contractor shall provide all labor, material and equipment necessary to maintain and provide preventive maintenance for the following equipment:

- One (1) Bruker Preclinical MRI, BioSpec 3T (Model Number 1P MRT 30/18, Serial Number S 10279443), including:
  - Magnet and cryocooler service; including parts (coldhead, remote motor, compressor, absorber)
  - Electronics service for radiofrequency (RF) coils, gradient cabinets, gradient coils (except for Copley gradient coils reaching their end of life), the component cabinet at the magnet (CCM/CCMlite), and all positioning and transport systems (AutoPak (motor driven automatic positioning system), ManPak (manual positioning system), and ATS (multimodal animal transport system)).

All maintenance services shall be performed on-site in accordance with the Original Equipment Manufacturer's (OEM) most current standard commercial maintenance practices. Onsite and emergency services shall be provided during standard business hours (defined as 8:00 am – 5:00 pm EST, Monday through Friday, excluding Federal Holidays found at [www.opm.gov/policy-data-oversight/pay-leave/federal-holidays](http://www.opm.gov/policy-data-oversight/pay-leave/federal-holidays) and extended hours (5:00 pm – 9:00pm EST, Monday through Friday) for any issues not able to be resolved remotely, or during normal business hours. Software updates/services may be provided remotely as applicable. All travel, labor, materials, and related charges shall be included in the purchase order price.

**Note:** 3<sup>rd</sup> party components (gradient coils and stand-alone heat exchangers) and Bruker Copley gradients reaching their end of life may be excluded. The Government reserves the right to obtain repairs or replacements needed to these components via a modification to the purchase order, under a separate purchase order, or any other method deemed appropriate and in accordance with the Federal Acquisition Regulations (FAR).

## STATEMENT OF WORK

### 4.0 SPECIAL ORDER REQUIREMENTS

The Contractor shall provide all labor, materials, and equipment required to perform the following tasks:

#### 4.1 PREVENTIVE MAINTENANCE

The Contractor shall perform one (1) planned preventive maintenance visit during the contract period. Technically qualified factory-trained personnel shall perform this service. The service shall consist of a thorough cleaning, calibration, adjusting, inspection, and testing of all equipment in accordance with the manufacturer's latest established service procedures. This shall include magnet and cryocooler service, as well as all electronics, according to manufacturer's latest established maintenance protocol. All equipment shall be operationally tested through at least one (1) complete operating cycle at the end of the preventive maintenance inspection to assure optimum and efficient performance.

##### Deliverable:

A report indicating the work performed shall be provided to NCI's Technical Point of Contact (TPOC) within three (3) business days of completion. The report shall be provided in electronic format (Word or PDF file).

#### 4.2 EMERGENCY SERVICE

On-site, emergency repair service visits shall be provided during the term of this contract at no additional cost to the Government. Emergency service shall be provided during normal working hours, Monday through Friday excluding Federal Holidays (see Section 3.0). Upon receipt of notice that any part of the equipment is not functioning properly, the Contractor shall provide an initial response within one (1) hour, and an on-site response within forty-eight (48) hours a qualified factory-trained service representative to inspect the equipment and perform all repairs and adjustments necessary to restore the equipment to normal and efficient operating condition. Emergency service calls shall not replace the necessity for planned preventative maintenance. All labor, travel, and OEM parts shall be included.

To minimize downtime, a loaner gradient coil shall be provided as needed at no additional cost to the Government.

##### Deliverables:

If the on-site response should be delayed for more than one (1) hour for any reason, the Contractor shall immediately provide a brief written notice to the Technical Point of Contact (TPOC), stating the reason and an estimated dispatch timeframe immediately upon identification of the on-site response delay.

Within three (3) business days of the completion of any emergency repair services performed, the contractor shall provide a brief emergency service report to the TPOC stating the equipment malfunction that occurred, the repair efforts, and the duration that was required to restore the equipment to operation. The emergency service report shall be provided in electronic format (Word or PDF file).

## STATEMENT OF WORK

### 4.3 REPLACEMENT PARTS

The Contractor shall furnish all required replacement parts at no additional cost to the Government, with the exception of consumables. All parts shall meet original equipment manufacturer (OEM) specifications. Upon identification of required parts, they shall be delivered within 24 hours, or the following business day should the request fall on a Friday, or preceding a Federal Holiday. If parts will take longer than 24 hours to be delivered for any reason, the Contractor must provide the TPOC with a notification stating the reason and estimated delivery timeframe immediately upon identification of delivery delay.

**Note:** RF coils, gradient cabinets, gradient coils (except for Copley gradient coils reaching their end of life, CCM/CCMlite, and all positioning and transport systems (AutoPak, ManPak, and ATS) shall be included in parts coverage.

#### Deliverable:

If parts will take longer than 24 hours to be delivered for any reason, the Contractor shall provide the TPOC with a notification stating the reason and estimated delivery timeframe immediately upon identification of delivery delay.

### 4.4 SOFTWARE UPDATES/SERVICE

The Contractor shall provide Software Service and updates in accordance with the manufacturer's latest established service procedures, to include telephone access to technical support for use of program software and troubleshooting of the operating systems, at no additional cost to the Government. The Contractor shall receive advance approval for the installation of all software updates and revisions from the Government. Software service shall include all major software versions, upgrades, updates and Mandatory Safety Releases, installing the most recent version of the covered software. Software service shall include all maintenance release/service pack updates. Defective software shall be replaced at no additional cost to the Government. Installation of any software/updates shall be performed by a factory trained technician.

#### Deliverable:

The Contractor shall provide an electronic report to the TPOC within three (3) business days after successful performance of software updates. This report must also include the reason for the updates, and any effect it may have on equipment operation.

### 4.5 HARDWARE REFRESH

The Contractor shall conduct a hardware refresh (computer exchange) during the base period of this award. This shall include the following components: one (1) computer workstation, one (1) monitor, and peripheral devices (mouse, keyboard). The time of hardware refresh shall be arranged with the TPOC. The Contractor shall ensure full system functionality at the time of hardware refresh.

#### Deliverable:

The Contractor shall provide an electronic report to the TPOC per the within three (3) business days after successful performance of software updates. This report shall include upgrade specifications, and any effect it may have on equipment operation.

## STATEMENT OF WORK

### 4.6 TECHNICAL SUPPORT

The Contractor shall provide at no additional cost to the Government unlimited technical and application support over phone, through a secure remote connection, and by email, during standard business hours for troubleshooting for the instrument and clinical application support (8am – 9pm Monday through Friday), excluding Federal holidays.

### 4.7 SERVICE EXCLUSIONS

The Contractor shall not be responsible for any repairs necessitated by abuse, neglect, vandalism, Acts of God, fire or water. Should damage occur as a result of the aforementioned events, the Government reserves the right to obtain repairs needed as a result of such events via a modification to the purchase order, under a separate purchase order, or any other method deemed appropriate and in accordance with Federal Acquisition Regulations.

The replacement of Copley gradients and associated professional services may become subject to a change order under this purchase order, or any other method deemed appropriate and in accordance with the FAR.

### 4.8 PERSONNEL QUALIFICATIONS

Only technically qualified, factory-trained personnel shall perform service on the Bruker Preclinical MRI, BioSpec 3T, at NIH, as covered by this purchase order. All primary service personnel shall have at least one backup support person with at least the same level of expertise on the equipment covered under this purchase order.

## 5.0 TYPE OF ORDER

This shall be a firm fixed-price purchase order.

### 5.1 SEVERABLE SERVICES

The services acquired under this purchase order are severable services. Funds are only available for use for the line item to which they are obligated. Unused funds from one period (line item) may not roll over for use in other periods.

## 6.0 PERIOD OF PERFORMANCE

The Period of Performance shall consist of one (1) 12-month base period and three (3) 12-month option periods as follows:

|                 |                                 |
|-----------------|---------------------------------|
| Base Period     | April 27, 2025 – April 26, 2026 |
| Option Period 1 | April 27, 2026 – April 26, 2027 |
| Option Period 2 | April 27, 2027 – April 26, 2028 |
| Option Period 3 | April 27, 2028 – April 26, 2029 |

## 7.0 PLACE OF PERFORMANCE

Onsite services shall be performed at the following location:  
NIH/NCI, Bldg. 10, Rm. B3B54  
9000 Rockville Pike  
Bethesda, MD 20892

## STATEMENT OF WORK

Note that access to the NIH campus is restricted. As such all contractor personnel will be required to access campus via designated entrances where they are subject to security screening. Also, due to the current COVI-19 Pandemic there maybe additional access restrictions. Please refer to the NIH Security and Access site for more details: ([www.nih.gov/about-nih/visitor-information/campus-access-security](http://www.nih.gov/about-nih/visitor-information/campus-access-security)).

### 8.0 INSPECTION AND ACCEPTANCE

Pursuant to FAR clause 52.212-4, all work described in the SOW to be delivered under this purchase order is subject to final inspection and acceptance by an authorized representative of the Government. The authorized representative of the Government is the NCI Technical Point of Contact (POC) who is responsible for inspection and acceptance of all services, materials, or supplies to be provided by the Contractor.

Regardless of format, all digital content or communications materials produced as a deliverable under this purchase order, shall conform to applicable Section 508 Standards to allow Federal employees and members of the public with disabilities to have access to and use of information and data that is comparable to the access to and use of information and data by Federal employees or by members of the public who are not individuals with disabilities. Remediation of any materials that do not comply with the applicable Section 508 requirements as set forth below, shall be the responsibility of the Contractor.

HHS guidance regarding accessibility of documents can be found at: <https://www.hhs.gov/web/section-508/making-files-accessible/create-accessiblepdfs/index.html>. Federal Government-wide guidance regarding accessibility of documents can be found at <https://www.section508.gov/>, including the documents describing the preferred method of authoring and testing documents produced in Microsoft Word 2013 or later, Microsoft Excel, and files formatted as PDF.

### 9.0 TECHNICAL POINT OF CONTACT

The Technical Point of Contact (TPOC) is responsible for inspection and acceptance of all work in relation to this requirement, and will serve as the Governments primary point of contact throughout the duration of the requirement. All efforts must be coordinated with this individual. Note: The TPOC has limited authority as defined within this Statement of Work. They do not have the authority to commit or obligate Government funds, or make changes to the terms and conditions of the purchase order. As such, any changes to the purchase order must be performed by a warranted Government Contracting Officer with appropriate delegated authority to do so.

### 10.0 DELIVERABLES AND DELIVERY SCHEDULE

All deliverables shall be submitted in electronic format to the TPOC.

| DELIVERABLE   | REQUIRED FORMAT                | DUE DATE   |
|---|--------------------------------|--|
| Preventive Maintenance Service Report (Section 4.1) | Electronic, Word or PDF format | Within three (3) business days after completion of service |

## STATEMENT OF WORK

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|---|--------------------------------|--|
| Emergency Service Dispatch Delay Notification (Section 4.2) | Electronic, via email          | Immediately upon identification of dispatch delay          |
| Emergency Maintenance Service Report (Section 4.2)          | Electronic, Word or PDF format | Within three (3) business days after completion of service |
| Delayed Delivery Notification (Section 4.3)                 | Electronic, via email          | Immediately upon identification of delayed deliveries      |
| Software Updates/Revisions (Section 4.4)                    | Electronic, Word or PDF format | Within three (3) business days after completion of service |
| Hardware Refresh  | Electronic, Word or PDF format | Within three (3) business days after completion of service |

### 11.0 PRICE SCHEDULE

| ITEM   | DESCRIPTION   | PRICE |
|--------|---|-------|
| 1      | Base Period: Preventative maintenance services: magnet and cryocooler service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScaleSelect). Period of Performance: 4/27/2025 to 4/26/2026     |       |
| 2      | Base Period: Preventative maintenance services: electronics service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScapeComplete). Period of Performance: 4/27/2025 to 4/26/2026             |       |
| 3      | Option Period 1: Preventative maintenance services: magnet and cryocooler service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScaleSelect). Period of Performance: 4/27/2026 to 4/26/2027 |       |
| 4      | Option Period 1: Preventative maintenance services: electronics service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScapeComplete). Period of Performance: 4/27/2026 to 4/26/2027         |       |
| 5      | Option Period 2: Preventative maintenance services: magnet and cryocooler service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScaleSelect). Period of Performance: 4/27/2027 to 4/26/2028 |       |
| 6      | Option Period 2: Preventative maintenance services: electronics service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScapeComplete). Period of Performance: 4/27/2027 to 4/26/2028         |       |
| 7      | Option Period 3: Preventative maintenance services: magnet and cryocooler service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScaleSelect). Period of Performance: 4/27/2028 to 4/26/2029 |       |
| 8      | Option Period 3: Preventative maintenance services: electronics service for Bruker Preclinical MRI, BioSpec 3T (Bruker LabScapeComplete). Period of Performance: 4/27/2028 to 4/26/2029         |       |
| Total: |   |       |

## STATEMENT OF WORK

### 12.0 PAYMENT

Payment shall be made quarterly in arrears. Payment authorization requires submission and approval of invoices to the COR and NIH OFM, in accordance with the payment provisions listed below:

The following clause is applicable to all Purchase Orders, Task or Delivery Orders, and Blanket Purchase Agreement (BPA) Calls: PROMPT PAYMENT (JUL 2013) FAR 52.232-25. Highlights of this clause and NIH implementation requirements follow:

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