# HPEM Modeling and Effects BAA

# FA9451-22-S-0001

# DATA ITEM DELIVERABLES
# AFRL/RDHE

| Item | Title | Subtitle | DID |
|---|---|---|---|
| A001 | Presentation Materials | | DI-ADMN-81373 |
| A002 | Status Report | | DI-MGMT-80368A |
| A003 | Contract Funds Status Report (CFSR) | | DI-MGMT-81468A |
| A004 | Government Property Inventory Report | Government Furnished Property (GFP) and Contractor Acquired Property (CAP) | DI-MGMT-80441D |
| A005 | Technical Report – Study/Services | | DI-MISC-80508B |
| A006 | Scientific and Technical Report (S&T) | Final Report | DI-MISC-80711A |
| A007 | Software Development Plan | | DI-IPSC-81427B |
| A008 | Software User's Manual | | DI-IPSC-81443A |
| A009 | Computer Software Product | Computer Source Code and Documentation Deliverables | DI-IPSC-81488 |
| A010 | Developmental Design Drawing and Associated Lists | End Item Data Package (EIDP) | DI-SESS-81002F |
| A011 | Test Plan | | DI-NDTI-80566A |
| A012 | Operation & Maintenance Instructions for R&D Equipment | | DI-MISC-81414A |
| A013 | System Safety Hazard Analysis Report (SSHAR) | | DI-SAFT-80101C |
| A014 | Safety Assessment Report (SAR) | | DI-SAFT-80102B |
| A015 | Programmatic Environmental Safety and Health Evaluation Plan (PESHE) | | DI-ENVR-81840 |
| A016 | Interface Control Document | | DI-SESS-81248B |
| A017 | Digital System Model | | DI-SESS-82364 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A001 | | |
| **2. TITLE OF DATA ITEM.....:** | Presentation Materials | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-ADMN-81373 | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11. **AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | | 1 |

**16. REMARKS**

**Block 4:** Contractor Format. Tailoring will be specified in the contract.

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DoDI 5230.24 with Distribution Statement C, and other required markings shown below.

DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

If content is export controlled add the following:

WARNING: This document contains technical data whose export is restricted by the Arms Export Control Act. (Title 22, U.S. C. Sec 2751 et. seq) or the Export Administration Act of 1979, as amended, Title 50, US. C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DOD Directive 5230.25.

'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 - 13:** The contractor will submit formal briefing presentation materials three (3) working days prior to the presentation. No data item is required for informal briefings.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |

| | | | |
|---|---|---|---|
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A002 | | |
| **2. TITLE OF DATA ITEM.....:** | Status Report | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-MGMT-80368A | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11. **AS OF DATE**……..……..: (See Block 16) | |

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| ACO | | LT |
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| **15. TOTAL:** | | 2 |

**16. REMARKS**

**Block 4:** Tailored: Para 3.2.3 Itemized man-hours and costs. Itemized man-hour and cost expenditure incurred for the reporting period by category and task, and ACRN; total contractual expenditures, and funds remaining as of the reporting date.

**Block 9:** All documentation shall be marked in accordance with by the National Industrial Security Program Operating Manual (NISPOM), DoD 5200.22-M, Feb 2006 and its supplements and contain the following Distribution Statement and Export Control Warnings:

Distribution Statement B if containing Proprietary Information:
"Distribution authorized to US government agencies; Administrative or Operational Use; (date of submittal). Other requests for this document shall be referred to AFRL/RDHE at 3550 Aberdeen Ave SE, Kirtland AFB, NM 87117-5776."

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"Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests for this document shall be referred to AFRL/RDHE at 3550 Aberdeen Ave SE, Kirtland AFB, NM 87117-5776."

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**Block 10 - 13:** Provide monthly status reports NLT fifteen (15) calendar days following the close of the contractor's monthly accounting period through completion of the contract technical period of performance, with a final status report at contract completion. Reports shall be summarized by contract through contract completion.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |

| | | | |
|---|---|---|---|
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A003 | | |
| **2. TITLE OF DATA ITEM.....:** | Contract Funds Status Report (CFSR) | | |
| **3. SUBTITLE.....:** | | | |

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|---|---|---|---|---|---|
| **4. AUTHORITY.....:** | DI-MGMT-81468A | | | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** | (See Block 16) | **12. DATE OF FIRST SUBMISSION:** | (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** | (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** | (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: | (See Block 16) | | |

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| **15. TOTAL:** | | 4 |

**16. REMARKS**

**Block 4:** Tailored. The CFSR shall also include present burn rate and projected burn rate.

**Block 9:** DISTRIBUTION STATEMENT E: Distribution authorized to DoD Components only; Proprietary Information; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

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**Block 10 - 13:** The CFSR is due monthly. The first CFSR is due within 25 calendar days after the end of the first month after date of contract award (DOA), unless that period is less than 30 calendar days. Subsequent submissions are due within 25 calendar days after the end of each month through end of contract performance. A closeout CFSR showing final cost status is due at contract completion.

**Block 14:** Deliver an electronic version on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only. The CFSR shall be presented orally if called out in contract.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A004 | | |
| **2. TITLE OF DATA ITEM.....:** | Government Property Inventory Report | | |
| **3. SUBTITLE.....:** | Government Furnished Property (GFP) and Contractor Acquired Property (CAP) | | |
| **4. AUTHORITY.....:** | DI-MGMT-80441D | | |
| **5. CONTRACT REFERENCE.....:** | FAR 52.245-1 | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** | N/A |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** | ANNLY |
| **8. APP CODE.....:** | A | **11. AS OF DATE**……..……..: | (See Block 16) |
| | | **12. DATE OF FIRST SUBMISSION:** | (See Block 16) |
| | | **13. DATE OF SUBSEQUENT SUBM.:** | (See Block 16) |

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| ACO | 1 | 1 |
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| **15. TOTAL:** | 4 | 4 |

**16. REMARKS**

**Block 4:** GFP/CAP Inventory Reports shall be in accordance with DFARS PGI 245.402-71. If government furnished property or equipment is provided, the list shall be in accordance with DFARS PGI 245.103-72. Abbreviations are not allowed. Deliver an electronic copy as a Microsoft Excel document. A CD-ROM is acceptable media for submittal. Unclassified documents may be submitted by encrypted or password protected e-mail, or other secure file transfer method. E-mail encryption based on PGP platform is not acceptable.

**Block 8:** Ninety (90) days prior to the contract expiration date, the contractor shall deliver a "Draft" GFP/CAP Inventory Report in the format required by DFARS PGI 245.103-72, suitable for contract close-out purposes. Include the use/disposition recommendations for review and approval by the Government Program Manager, Contracting Officer, and/or the DCMA Property Administrator. The Government Program Manager will review and if necessary, return the list with comments within 30 calendar days.

**Block 11 & 12:** The contractor shall deliver an initial Baseline GFP/CAP Inventory Report within 30 days of the first inclusion of GFE/CAP in the contract. After the baseline is established, the property inventory shall be submitted annually. Additional distributions may be requested by the Government Program Manager or the Contracting Officer.

**Block 13:** Thirty (30) days prior to the contract expiration date, the contractor shall deliver the "Final" GFP/CAP Inventory Report, representing all property delivered in accordance with the contract.

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|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A005 | | |
| **2. TITLE OF DATA ITEM.....:** | Technical Report – Study/Services | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-MISC-80508B | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| AFRL/RDKP | | LT |
| ACO | | LT |
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| **15. TOTAL:** | | 2 |

**16. REMARKS**

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.

DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 - 13:** Submit a report 15 days after completion of each discrete task requirement as delineated in the contract.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A006 | | |
| **2. TITLE OF DATA ITEM.....:** | Scientific and Technical Report (S&T) | | |
| **3. SUBTITLE.....:** | Final Report | | |
| **4. AUTHORITY.....:** | DI-MISC-80711A | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | DD | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | A | **11. AS OF DATE**……..……..: (See Block 16) | |

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| AFRL/RDHE (PM) | 1 | 1 |
| AFRL/RDKP | LT | LT |
| ACO | LT | LT |
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| **15. TOTAL:** | 2 | 2 |

**16. REMARKS**

**THE REPORT WILL BE PUBLISHED WITH THE DEFENSE TECHNICAL INFORMATION CENTER (DTIC) BY AFRL STINFO OFFICE. Under no circumstances shall the contractor submit any version of the scientific and technical report to DTIC.**

**Block 4: GUIDANCE FOR PREPARATION OF THE REPORT**: The Scientific and Technical Report shall be prepared I.A.W. the most current ANSI/NISO Standard Z39.18-2005, or most current AFRL ANSI report preparation guidance. The contractor shall complete the most current SF 298: Blocks 2-5a, 6, 7, 8 and 13 (if applicable), and 14-16c, and submit it with the report. Incomplete reports will be immediately returned to the contractor. Following AFRL technical and STINFO reviews, any revisions required will be returned to the contractor. **NOTE: The report preparation guidance and SF 298 are available at:** https://www.kirtland.af.mil/Units/AFRL-Directed-Energy-Directorate/

The contractor shall deliver an editable electronic pdf copy of the report. The electronic copies shall be generated using the most current version of Microsoft Word or using the government supplied Latex or Lyx Template. Additionally, the contractor shall deliver the Microsoft Word version of the report or all source files used to generate the report in the case of using Latex or Lyx. A CD-ROM (CD-R) is the acceptable media for submittal (CD-RWs are not acceptable). Electronic media shall be marked I.A.W. the AFRL ANSI/NISO Standard Z39.18-2005 guidelines, or other most current report preparation guidance. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. If encrypted email is not available, please use: https://safe.apps.mil/.

**Block 7:** UPON NOTIFICATION OF ACCEPTANCE OF THE SCIENTIFIC AND TECHNICAL REPORT FROM THE PROGRAM OFFICE, the contractor shall submit the final Receiving Report (DD Form 250) in WAWF. In preparing the final DD Form 250, code the shipment number with a "Z." Do not upload the Scientific and Technical Report into WAWF or DTIC. **NOTE: SUBMITTAL OF THE DD FORM 250Z PRIOR TO ACCEPTANCE NOTIFICATION WILL RESULT IN REJECTION OF THE DD FORM 250Z FINAL RECEIVING REPORT.**

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DoDI 5230.24 with Distribution Statement D, and other required markings, shown indented below:

"Distribution authorized to Department of Defense and US DoD contractors only; Critical Technology, Export Controlled [contractor fill in date of report (dd mmm yy)]. Other requests for this document shall be referred to AFRL/RDHE, 3550 Aberdeen Avenue, SE, Kirtland AFB, NM 87117-5776." **(ADD THIS ENTIRE DISTRIBUTION STATEMENT TO THE BOTTOM OF EVERY PAGE OF THE REPORT EXCEPT THE SF 298.)**

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 - 13:** The contractor shall deliver the Scientific and Technical Report, in final format, no later than the date specified in the Contract Schedule. The USAF will review and, if necessary, return the report with comments no later than the date specified in the Contract Schedule. If the report is returned to the contractor with comments, the contractor shall deliver the final copy of the report no later than the date specified in the Contract Schedule.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A007 | | |
| **2. TITLE OF DATA ITEM.....:** | Software Development Plan | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-IPSC-81427B | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | 1 | 1 |

**16. REMARKS**

**Block 4:** Paragraph 1. The Software Development Plan (SDP) describes the developer's plans for conducting a software development effort. The term "software development" in this Data Item Description (DID) is meant to include new development, modification, reuse, reengineering, maintenance, and all other activities resulting in software projects. The SDP shall include the acquirer insight into, and a tool for monitoring, the processes to be followed for software development, the methods to be used, the approach to be followed for each activity, and project schedules, organization, and resources.

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.

DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10:** Once with updates.

**Block 11-12:** The draft SDP shall be delivered within 60 calendar days following Authorization to Proceed (ATP). The government will review and provide comments to the draft plan within 30 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than 15 calendar days to incorporate all required changes and deliver the final version of the report.

**Block 13:** Updates shall be delivered within 30 calendar days of any major change to the overall software development approach.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A008 | | |
| **2. TITLE OF DATA ITEM.....:** | Software User's Manual | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-IPSC-81443A | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | | 1 |

**16. REMARKS**

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 – 13:** Submitted once for each uniquely identified computer software product; within 30 calendar days of the first business day following completion of validation and acceptance of the software product.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A009 | | |
| **2. TITLE OF DATA ITEM.....:** | Computer Software Product | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-IPSC-81488 | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | DD | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | 1 | 1 |

**16. REMARKS**

**Block 4:** TAILORING: The contractor shall deliver the following items with the computer source code and documentation deliverables. The source code, make files/project files, build instructions, necessary data required for build and execution, environment requirements (operating system requirements, dlls/libraries, etc.), technical users guide and the acceptance test procedures the contractor performed. The required software documentation shall include appropriate documentation such that a third party programmer can look at the source code and understand the purpose of each coding section to ensure proper execution of the intended functionality of the software. Submission via unencrypted or unsecure email is not permitted.

GENERAL: All documentation will be provided at a level of detail sufficient to provide a developer, with comparable levels of expertise, the ability to further develop the deliverable.
FORMAT: The documentation shall be in the contractor's format.
CONTENTS: Full description of all software supplied; instructions for using all routines and programs; listing of each program supplied.
SOURCE CODE: Provided for each program; for each routine; installed on government specified computer and operating system; tested on government specified computer and operating system. Compiled and execution ready object code for the government specified computer and operating system.

Software shall be designed/developed/modified on government approved or provided platforms. All software developed shall have unlimited rights.

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.

DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 - 13**: The contractor shall submit the draft source code, executables, and associated documentation 10 days after completion for each uniquely identified computer software product. The government will provide comments within 10 days. The contractor shall provide the final version 30 days after completion.

**Block 14:** Deliver an electronic version on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A010 | | |
| **2. TITLE OF DATA ITEM.....:** | Developmental Design Drawing and Associated Lists | | |
| **3. SUBTITLE.....:** | End Item Data Package (EIDP) | | |
| **4. AUTHORITY.....:** | DI-SESS-81002F | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
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| **15. TOTAL:** | 1 | 2 |

**16. REMARKS**

**Block 4:** Contractor Format. Tailoring will be specified in the Contract.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10:** Once.

**Block 11-13:** The draft EIDP shall be delivered within 60 days prior to completion of the technical period of performance, and the final shall be 30 calendar days after completion of the technical period of performance.

**Block 14:** Deliver an electronic version on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A011 | | |
| **2. TITLE OF DATA ITEM.....:** | Test Plan | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-NDTI-80566A | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
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**16. REMARKS**

**Block 4:** Contractor Format. Tailoring will be specified in the Contract.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10 - 13:** The draft test plan shall be delivered within 15 calendar days prior to each major test event identified in the contract schedule. The government will review and provide comments to the draft plan within 5 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than 5 calendar days to incorporate all required changes and deliver the final version of the plan.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
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| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A012 | | |
| **2. TITLE OF DATA ITEM.....:** | Operation & Maintenance Instructions for R&D Equipment | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-MISC-81414A | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
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**16. REMARKS**

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**Block 10**: Once.

**Block 11 - 13**: The draft document shall be delivered within 30 days prior to completion of the technical period of performance. The government will review and provide comments to the draft instructions within 15 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall incorporate all required changes and shall deliver the final version of the instructions not more than 30 calendar days after completion of the technical period of performance."

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A013 | | |
| **2. TITLE OF DATA ITEM.....:** | System Safety Hazard Analysis Report (SSHAR) | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-SAFT-80101C | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| ACO | | LT |
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| **15. TOTAL:** | 1 | 2 |

**16. REMARKS**

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.

DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

If content is export controlled add the following:

WARNING: This document contains technical data whose export is restricted by the Arms Export Control Act. (Title 22, U.S. C. Sec 2751 et. seq) or the Export Administration Act of 1979, as amended, Title 50, US. C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DOD Directive 5230.25.

'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10:** Once with updates.

**Block 11 - 12:** The draft SSHAR shall be delivered within 60 calendar days following Authorization to Proceed (ATP). The government will review and provide comments to the draft plan within 30 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than 15 calendar days to incorporate all required changes and deliver the final version of the report.

**Block 13:** Updates shall be delivered within 30 calendar days of any major finding that drives a subsequent analysis.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A014 | | |
| **2. TITLE OF DATA ITEM.....:** | Safety Assessment Report (SAR) | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-SAFT-80102C | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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**Block 10:** Once with updates.

**Block 11 - 12:** The draft SAR shall be delivered within 60 calendar days following Authorization to Proceed (ATP). The government will review and provide comments to the draft plan within 30 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than 15 calendar days to incorporate all required changes and deliver the final version of the report.

**Block 13:** Updates shall be delivered within 30 calendar days of any major finding that drives a subsequent report.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A015 | | |
| **2. TITLE OF DATA ITEM.....:** | Programmatic Environmental Safety and Health Evaluation Plan (PESHE) | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-ENVR-81840 | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | N/A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | 1 | 2 |

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10**: Only one submission is required.

**Block 11 - 12**: The draft PESHE shall be delivered within 30 calendar days per Government Program Manager request. The government will review and provide comments to the draft plan within 30 calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than 15 calendar days to incorporate all required changes and deliver the final version of the plan.

**Block 13**: Not applicable – one submission IAW Block 10.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

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| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | TBD | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |
| **1. DATA ITEM NO.....:** | A016 | | |
| **2. TITLE OF DATA ITEM.....:** | Interface Control Document | | |
| **3. SUBTITLE.....:** | | | |
| **4. AUTHORITY.....:** | DI-SESS-81248B | | |
| **5. CONTRACT REFERENCE.....:** | TBD | | |
| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** (See Block 16) | **12. DATE OF FIRST SUBMISSION:** (See Block 16) |
| **7. DD250 REQ.....:** | LT | **10. FREQUENCY.....:** (See Block 16) | **13. DATE OF SUBSEQUENT SUBM.:** (See Block 16) |
| **8. APP CODE.....:** | A | 11**. AS OF DATE**……..……..: (See Block 16) | |

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| **15. TOTAL:** | 1 | 2 |

**16. REMARKS**

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 10**: Once with updates.

**Block 8, 11 - 12**: The draft ICD shall be delivered within **60** calendar days after interface requirements development is complete and the initial requirements baseline is established. The government will review and provide comments to the draft ICD within **30** calendar days after receipt of the draft. Upon receipt of the comments, the contractor shall take no more than **15** calendar days to incorporate all required changes and deliver the final version of the ICD.

**Block 13**: Updates shall be delivered within 30 calendar days after any substantive (non-administrative) changes are made to the interface.

**Block 14:** Deliver an electronic version (pdf format along with Microsoft Office or Latex source that generated the pdf) on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable. When the addressee's copy is identified by "LT," send Letter Transmittal only.

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| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | MATTHEW C. COULTER, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | 1 NOVEMBER 2021 | **J. DATE:** | 2 Nov 2021 |

**CONTRACT DATA REQUIREMENTS LIST (1 Data Item)** **Form Approval OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | |
|---|---|---|---|
| **A. CONTRACT LINE ITEM NO.:** | See Contract, Section B | **D. SYSTEM/ITEM.....:** | High Power Electromagnetics Research |
| **B. EXHIBIT.....:** | A | **E. CONTRACT/PR NO.:** | TBD |
| **C. CATEGORY.....:** | OTHER | **F. CONTRACTOR.....:** | TBD |

| | |
|---|---|
| **1. DATA ITEM NO.....:** | A017 |
| **2. TITLE OF DATA ITEM.....:** | Digital System Model |
| **3. SUBTITLE.....:** | |
| **4. AUTHORITY.....:** | DI-SESS-82364 (http://quicksearch.dla.mil) |
| **5. CONTRACT REFERENCE.....:** | TBD |

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| **6. REQUIRING OFFICE.....:** | AFRL/RDHE | **9. DIST. STATEMENT REQUIRED.....:** | See blk 16 | **12. DATE OF FIRST SUBMISSION:** | See blk 16 |
| **7. DD250 REQ.....:** | DD | **10. FREQUENCY.....:** | See blk 16 | **13. DATE OF SUBSEQUENT SUBM.:** | See blk 16 |
| **8. APP CODE.....:** | A | **11. AS OF DATE.....:** | See blk 16 | | |

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| AFRL/RDKP | 0 | LT |
| ACO | 0 | LT |
| AFRL/RDH BUSINESS OFFICE | 0 | 1 |
| | | |
| **15. TOTAL:** | 1 | 1 |

**16. REMARKS**

**Blk. 4:** Tailoring:
The contractor shall deliver the following items with the digital system model and associated documentation. The source files, make files/project files, build instructions, necessary data required for build and execution, environment requirements (software and operating system requirements, dlls/libraries, etc.), technical users guide and the acceptance test procedures the contractor performed. The required digital system model documentation shall include appropriate documentation such that a third party analyst can look at the source code and understand the purpose of each coding section to ensure proper execution of the intended functionality of the digital system model. Submission via unencrypted or unsecure email is not permitted.

GENERAL: All documentation will be provided at a level of detail sufficient to provide an analyst, with comparable levels of expertise, the ability to further develop the deliverable.
FORMAT: The documentation shall be in the contractor's format.
CONTENTS: Full description of all digital system model files supplied; instructions for using all model components; listing of each file supplied.
SOURCE CODE: Provided for each digital system model; copied to government specified computer and operating system; tested on government specified computer and operating system. Compiled and execution ready model for the government specified computer and operating system.

Digital system model shall be designed/developed/modified on government approved or provided platforms. All models developed shall have unlimited rights.

**Block 9:** All technical data (including electronic media/CD-R) shall be marked I.A.W. DODI 5230.24 with Distribution Statement C, and other required markings shown below.
DISTRIBUTION STATEMENT C: Distribution authorized to US government agencies and their contractors; Administrative or Operational Use; (date of submittal). Other requests shall be referred to AFRL/RDHE at 3550 Aberdeen SE, Kirtland AFB NM 87117-5776.

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'DESTRUCTION NOTICE—CUI documents may be destroyed by means approved for destroying classified information or by any other means making it unreadable, indecipherable, and unrecoverable'.

**Block 8, 10 - 13:** The contractor shall submit the draft digital system model, and associated documentation 10 days after completion for each uniquely identified digital system model. The government will provide comments within 10 days. The contractor shall provide the final version 30 days after completion.

**Block 14:** Deliver an electronic version on CD-ROM (CD-R) or other appropriate electronic means. Submission via unencrypted or unsecure email is not permitted. Use of Encrypted email or DOD SAFE with encryption is acceptable.

| | | | |
|---|---|---|---|
| **17. PRICE GROUP:** | | **18. ESTIMATED TOTAL PRICE :** | |
| **G. PREPARED BY:** | Jason F. Hammond, AFRL/RDHEC | **I. APPROVED BY:** | ASO; M. Mendoza |
| **H. DATE:** | November 3, 2022 | **J. DATE:** | November 9, 2022 |