

Request for Project Proposals



Solicitation Number: MTEC 20-13-iMAS

“Interoperable Medical Automated Systems (iMAS) Technology and Gap Assessment”

Issued by:
Advanced Technology International (ATI),
MTEC Consortium Manager (CM)
315 Sigma Drive
Summerville, SC 29486
for the
Medical Technology Enterprise Consortium (MTEC)

Request Issue Date: May 20, 2020

***Proposal Due Date: June 18, 2020
Noon Eastern Time***

White Papers Are NOT Required

Request for Project Proposals MTEC-20-13-iMAS
Number W81XWH-15-9-0001

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1 Executive Summary

1.1 The Medical Technology Enterprise Consortium

The Medical Technology Enterprise Consortium (MTEC) is an enterprise partnership in collaboration with industry and academia to facilitate research and development activities, in cooperation with the U.S. Army Medical Research and Development Command (USAMRDC) and other Government agencies in the biomedical sciences (including but not limited to drugs, biologics, vaccines, medical software and medical devices) to protect, treat and optimize the health and performance of U.S. military personnel. MTEC is a nonprofit corporation with the following principal objectives:

- (a) biomedical research and prototyping;
- (b) exploration of private sector technology opportunities;
- (c) technology transfer; and
- (d) deployment of intellectual property (IP) and follow-on production.

MTEC is openly recruiting members to join a broad and diverse biomedical consortium that includes representatives from large businesses, small businesses, contract research organizations, “nontraditional” defense contractors, academic research institutions, and not-for-profit organizations; for more information on the MTEC mission, see the Proposal Preparation Guide (PPG) and MTEC website.

MTEC operates under an Other Transaction Agreement (OTA) for prototypes with USAMRDC. As defined in the OTA Guide dated November 2018, a prototype project addresses a proof of concept, model, reverse engineering to address obsolescence, pilot, novel application of commercial technologies for defense purposes, agile development activity, creation, design, development, demonstration of technical or operational utility, or combinations of the foregoing. A process, including a business process, may be the subject of a prototype project. Although assistance terms are generally not appropriate in OT agreements, ancillary work efforts that are necessary for completion of the prototype project, such as test site training or limited logistics support, may be included in prototype projects. A prototype may be physical, virtual, or conceptual in nature. A prototype project may be fully funded by DoD, jointly funded by multiple federal agencies, cost-shared, funded in whole or part by third parties, or involve a mutual commitment of resources other than an exchange of funds.

1.2 Purpose

This solicitation, issued by the MTEC Consortium Manager (CM), Advanced Technology International (ATI), represents a Request for Project Proposals (RPP) for MTEC support of the Department of Defense (DoD) U.S. Army Medical Materiel Development Activity (USAMMDA).

Strategic oversight for the award(s) supported by this RPP will be provided by the Warfighter, Health, Performance and Evacuation (WHPE) Project Management Office (PMO).

This RPP aims to help develop a research prototype for the ability to tele-monitor and capture research data for the following research areas: COVID-19 wards, emergency rooms/trauma rooms (ERs/TRs), and neurological patients. This capability will help develop the DoD interoperable Medical Automated Systems (iMAS) program. The program believes partnering with a hospital center shall provide the following:

- Develop an initial database prototype and architecture to tele-monitor and capture data from COVID-19 patients. This will allow the Government to provide an immediate response to COVID-19 through remote tele-monitoring capabilities and a database prototype to support the future development of pandemic patient response methodologies and COVID-19 predictive algorithms;
- Analyze ERs and TRs via camera(s) and video feeds to identify possible Tactics, Techniques, Procedures (TTPs) and automated efficiencies that would improve a deployed field hospital. Information from this effort supports the development of TTPs and future battlefield medical automation prototypes; and
- Evaluate existing handheld applications and correlate these data with hospital diagnostic tools, such as a magnetic resonance imaging (MRI) or computed tomography (CT) scan, and use these data for the future development of novel mobile applications for TBI evaluations if existing mobile applications are not sufficient for rapid TBI assessment.

The DoD will leverage data to develop and evaluate machine learning and predictive algorithms that will ultimately be used to recommend diagnoses, treatments, and medications to care providers in the DoD's deployed Medical Treatment Facilities (MTFs).

*Note: Pending successful completion of this effort, the Government may issue a non-competitive follow-on production contract or transaction pursuant to 10 USC 2371b section f.

2 Administrative Overview

2.1 Request for Proposals (RPP)

Each MTEC research project proposal submitted shall contain both a Technical and Cost Proposal Volume as described in Section 4 of this request and shall be submitted in accordance with the mandatory format provided in the MTEC PPG, which is available on the Members-Only MTEC website at www.mtec-sc.org. **White papers are not required for this RPP.** The Government reserves the right to award Proposals received from this RPP on a follow-on Other Transaction Agreement for prototype projects or other stand-alone OTAs as necessary to meet mission requirements.

2.2 Proposers Conference

MTEC will host a Proposers Conference that will be conducted via webinar within two (2) weeks after the release of the RPP. Further instructions will be forthcoming via email. Offerors are

advised to check the MTEC website periodically during the proposal preparation period for any clarifications found in Frequently Asked Questions (FAQ) responses.

2.3 Funding Availability, Period of Performance, and Type of Funding Instrument Issued

The U.S. Department of Defense (DoD) currently has available approximately \$5 million (M) of Fiscal Year (FY) 20 Defense Health Program (DHP) Research, Development, Test, and Evaluation (RDT&E) funds.

Any potential follow-on funding would be negotiated based on outcomes, cost sharing, partner matching and estimates for additional study completion.

The Period of Performance (PoP) is not to exceed five years.

Dependent on the results and deliverables, additional time may be added to the period of performance for follow-on tasks.

As of the release date of this RPP, future year Defense Appropriations Bills have not been passed and there is no guarantee that any additional funds will be made available to support this program. The funding estimated for this RPP is approximate and subject to realignment. Funding of proposals received in response to this RPP is contingent upon the availability of federal funds for this program. The Government anticipates that award funding will be structured incrementally and based upon completion of milestones.

2.4 Acquisition Approach

It is expected that MTEC will make a single award to a qualified team to accomplish the statement of work. If a single proposal is unable to sufficiently address the entire scope of the technical requirement (outlined in Section 4), several Offerors may be asked to work together in a collaborative manner. However, if an optimal team is not identified, then MTEC may make multiple, individual awards to Offeror(s) to accomplish subset(s) of the key tasks.

The Government-selected Research Project Awards will be funded under the Other Transaction Agreement for prototype projects (OTA) Number W81XWH-15-9-0001 with MTEC administered by the CM, ATI. The CM will negotiate and execute a Base Agreement with MTEC members (if not yet executed). The same provisions will govern this Base Agreement as the OTA for prototype projects between the USG and MTEC. Subsequently, any proposal that is selected for award will be funded through a Research Project Award issued under the member's Base Agreement. A sample of the MTEC Base Agreement can be found on the MTEC website and Members-Only website at www.mtec-sc.org.

At the time of the submission, if Offerors have not yet executed a Base Agreement, then Offerors must certify on the cover page of their Proposal that, if selected for award, they will abide by the terms and conditions of the latest version of the MTEC Base Agreement. If the

Offeror already has executed an MTEC Base Agreement with the MTEC CM, then the Offeror must state on the cover page of its Proposal that, if selected for award, it anticipates the proposed effort will be funded under its executed MTEC Base Agreement.

Offerors are advised to check the MTEC website periodically during the proposal preparation period for any changes to the MTEC Base Agreement terms and conditions as well as clarifications found in Frequently Asked Questions (FAQ) responses.

2.5 MTEC Member Teaming

While teaming is not required for this effort, Offerors are encouraged to consider teaming during the proposal preparation period (prior to proposal submission) if they cannot address the full scope of technical requirements of the RPP or otherwise believe a team may be beneficial to the Government.

MTEC members are encouraged to use the MTEC Database Collaboration Tool. The purpose of the tool is to help MTEC member organizations identify potential teaming partners by providing a quick and easy way to search the membership for specific technology capabilities, collaboration interest, core business areas/focus, R&D highlights/projects, and technical expertise. The Primary Point of Contact for each member organization is provided access to the collaboration database tool to make edits and populate their organization's profile. There are two sections as part of the profile relevant to teaming:

- "Collaboration Interests" - Select the type of teaming opportunities your organization would be interested in. This information is crucial when organizations need to search the membership for specific capabilities/expertise that other members are willing to offer.
- "Solicitation Collaboration Interests" - Input specific active solicitations that you are interested in teaming on. This information will help organizations interested in a specific funding opportunities identify others that are interested to partner in regards to the same funding opportunity. Contact information for each organization is provided as part of the member profile in the collaboration database tool to foster follow-up conversations between members as needed.

The Collaboration Database Tool can be accessed via the "MTEC Profiles Site" tab on the MTEC members-only website.

2.6 Proprietary Information

The MTEC CM will oversee submission of Proposals submitted in response to this RPP. The MTEC CM shall take the necessary steps to protect all proprietary information and shall not use such proprietary information for purposes other than the evaluation of an Offeror's Proposal and the subsequent agreement administration if the Proposal is selected for award. In accordance with the PPG, please mark all Confidential or Proprietary Information as such. An Offeror's submission of a Proposal under this RPP indicates concurrence with the aforementioned CM responsibilities.

Also, as part of MTEC's mission to incorporate philanthropic donations, MTEC frequently makes contact with private entities (e.g., foundations, investor groups, organizations, individuals) that award grants or otherwise co-fund research, and/or operates in research areas that are aligned with those of MTEC. These private entities may be interested in reviewing certain Proposals within their program areas, allowing opportunities to attract supplemental funding sources. On your Proposal Cover Page, please indicate your willingness to allow MTEC Officers and Directors access to your Proposal for the purposes of engaging in outreach activities with these private organizations. MTEC Officers and Directors granted Proposal access have signed Non-disclosure Agreements (NDAs) and Organizational Conflict of Interest (OCI) statements. Additionally, these MTEC Officers and Staff represent organizations that currently are not MTEC members, and therefore their parent organizations are not eligible to submit Proposals or receive any research project funding through MTEC. Additionally, all Technical Evaluation Panel participants will agree to, and sign a nonproprietary information and conflict of interest document.

2.7 Offeror Eligibility

Offerors must be MTEC Members in good standing.

2.8 Inclusion of Nontraditional Defense Contractors, Nonprofit Research Institutions, or Small Business Participation

Proposals that fail to meet the mandatory statutory conditions with regard to the appropriate use of Other Transaction Authority, as listed below, will not be evaluated and will be determined ineligible for award. Please see the MTEC PPG and RPP (Section 5) for additional details.

Mandatory statutory conditions (the Offeror shall assert that at least one of the one of the following conditions is met):

- (1) There is at least one nontraditional defense contractor or nonprofit research institution participating to a significant extent in the prototype project.
- (2) All significant participants in the transaction other than the Federal Government are small businesses (including small businesses participating in a program described under section 9 of the Small Business Act (15 U.S.C. 638)) or nontraditional defense contractors.
- (3) At least one third of the total cost of the prototype project is to be paid out of funds provided by sources other than the Federal Government.

The Offeror shall submit Warranties and Representations (see Attachment 2 of the PPG) specifying the critical technologies being offered and/or the significant extent of participation of the nontraditional defense contractor, small business or nonprofit research institution. The nontraditional defense contractor can be an individual so long as he/she has a DUNS Number and meets the requirements in the Warranties and Representations. The significance of the nontraditional defense contractor's, small business' or nonprofit research institution's

participation shall be explained in detail in the signed Warranties and Representations. Inadequate detail can cause delay in award.

Per the DoD OT Guide, rationale to justify a *significant extent* includes:

1. Supplying a new key technology, product or process
2. Supplying a novel application or approach to an existing technology, product or process
3. Providing a material increase in the performance, efficiency, quality or versatility of a key technology, product or process
4. Accomplishing a significant amount of the prototype project
5. Causing a material reduction in the cost or schedule of the prototype project
6. Provide for a material increase in performance of the prototype project

2.9 Nontraditional Defense Contractor Definition

A nontraditional defense contractor is a business unit that has not, for a period of **at least one year prior to the issue date of the Request for Project Proposals**, entered into or performed on any contract or subcontract that is subject to full coverage under the cost accounting standards (CAS) prescribed pursuant to section 26 of the Office of Federal Procurement Policy Act (41 U.S.C. 422) and the regulations implementing such section.

2.10 Cost Sharing Definition

Cost sharing is defined as the resources expended by the award recipients on the proposed statement of work (SOW). If cost sharing is proposed, then the Offeror shall state the amount that is being proposed and whether the cost sharing is a cash contribution or in-kind contribution (see below for a definition of each); provide a description of each cost share item proposed; the proposed dollar amount for each cost share item proposed; and the valuation technique used (e.g., vendor quote, historical cost, labor hours and labor rates, number of trips, etc.). Cost sharing above the statutory minimum is encouraged if possible, as it leads to stronger leveraging of Government-contractor collaboration.

Cash Contribution

Cash Contribution means the Consortium and/or the Research Project Awardee (or Awardees' lower tier subawards) financial resources expended to perform a Research Project. The cash contribution may be derived from the Consortium's or Research Project Awardee (or Awardees' subawards) funds or outside sources or from nonfederal contract or grant revenues or from profit or fee on a federal procurement contract.

An Offeror's own source of funds may include corporate retained earnings, current or prospective Independent Research and Development (IR&D) funds or any other indirect cost pool allocation. New or concurrent IR&D funds may be utilized as a cash contribution provided those funds identified by the Offeror will be spent on performance of the

Statement of Work (SOW) of a Research Project or specific tasks identified within the SOW of a Research Project.

Cash contributions include the funds the Offeror will spend for labor (including benefits and direct overhead), materials, new equipment (prorated if appropriate), awardees' subaward efforts expended on the SOW of a Research Project, and restocking the parts and material consumed.

In-Kind Contribution

In Kind Contribution means the Offeror's non-financial resources expended by the Consortium Members to perform a Research Project such as wear-and-tear on in-place capital assets like machinery or the prorated value of space used for performance of the Research Project, and the reasonable fair market value (appropriately prorated) of equipment, materials, IP, and other property used in the performance of the SOW of the Research Project.

Prior IR&D funds will not be considered as part of the Consortium Member's cash or In-Kind contributions, except when using the same procedures as those that authorize Pre-Award Costs, nor will fees be considered on a Consortium Member's cost sharing portion.

See the MTEC PPG for additional details. If the offer contains multiple team members, this information shall be provided for each team member providing cost share.

2.11 MTEC Assessment Fee

Per Section 3.4 of the Consortium Member Agreement (CMA), each recipient of a Research Project Award under the MTEC OTA shall pay MTEC an amount equal to 1% of the total funded value of each research project award. Such deposits shall be due no later than 90 days after the research project award is executed. Awardees are not allowed to use MTEC funding to pay for their assessment fees.

Additionally, MTEC has established two methods of payment to be made to MTEC surrounding the licensing/commercialization of Intellectual Property developed with funding received from MTEC Research Project Awards:

Royalty Payment Agreements

Government-funded research projects awarded through MTEC will be subject to a 10% royalty on all Net Revenues received by the Research Project Award recipient resulting from the licensing/commercialization of the technology, capped at 200% of the Government funding provided.

Additional Research Project Award Assessment

In lieu of providing the royalty payment agreement described above, members receiving Research Project Awards may elect to pay an additional assessment of 2% above the standard assessment percentage described in Section 3.4 of the CMA. This additional assessment applies to all research project awards, whether the award is Government funded or privately funded.

2.12 Intellectual Property & Data Rights

Intellectual Property (IP) rights for MTEC Research Project Awards will be defined in the terms of an awardee's Base Agreement and resultant Task Orders. MTEC reserves the right to assist in the negotiation of IP, royalties, licensing, future development, etc., between the government and the individual performers during the entire award period.

The Offeror shall comply with the terms and conditions defined in the Base Agreement regarding Data Rights. The Government will retain Government Purpose Rights to all property and software produced in the course of developing, deploying, training, using and supporting this effort. "Data rights" refer to the Government's nonexclusive license rights in two categories of valuable intellectual property, "technical data" and "computer software" delivered by awardee under civilian agency and DoD contracts. **All documents and materials, to include the source codes, algorithms, libraries and additional files required to compile and run the software, produced under this award shall be Offeror owned and the Government has rights and privileges of ownership/copyright. These documents and materials may not be used or sold by the awardee without written permission from the Contracting Officer while under this award and shall not be sold back to a different Government entity. All materials supplied to the Government shall be the property of the Government. This right does not abrogate any other Government rights.**

See Section 10 of the RPP for the template and additional information.

2.13 Expected Award Date

Offeror should plan on the period of performance beginning October 20, 2020 (subject to change). The Government reserves the right to change the proposed period of performance start date through negotiations via the CM and prior to issuing a Research Project Award.

2.14 Anticipated Proposal Selection Notification

As the basis of selections is completed, the Government will forward their selections to MTEC CM to notify Offerors.

3 Proposal

3.1 Proposal

Proposals in response to this RPP must be received by the date on the cover page of this RPP. Proposals received after the time and date specified may not be evaluated.

The MTEC PPG is specifically designed to assist Offerors in understanding the proposal preparation process. The proposal format outlined in the PPG is mandatory. MTEC will post any general questions received and corresponding answers (without including questioners' proprietary data) on the Members-Only MTEC website. The Government will evaluate Proposals submitted and will select Proposals that best meet their current technology priorities using the criteria in Section 5 of the RPP.

3.2 Proposal Submission

Proposals shall be submitted by the date and time specified on the cover page using the BIDS: <https://ati2.acgcenter.com/ATI2/Portal.nsf/Start?ReadForm> Include the MTEC Solicitation Number (MTEC-20-13-iMAS) on each proposal submitted.

MTEC membership is required for the submission of a Proposal. Offerors submitting Proposals as the prime contractor must be MTEC members of good standing by June 15, 2020.

Do not submit any classified information in the proposal submission.

3.3 Submission Format

Offerors shall submit files in Microsoft Office formats or Adobe Acrobat (PDF – portable document format) as indicated below. ZIP files and other application formats are not acceptable. All files must be print-capable and without a password required. Filenames shall contain the appropriate filename extension (.docx, .doc, .pptx, .ppt, .xlsx, .xls or .pdf). Filenames should not contain special characters. Apple users must ensure the entire filename and path are free of spaces and special characters.

An automated BIDS receipt confirmation will be provided by email. Offerors may submit in advance of the deadline and update (or replace any of the files) up until the submission deadline. **Neither MTEC nor ATI will make allowances/exceptions for submission problems encountered by the Offeror using system-to-system interfaces. If the Offeror receives errors and fails to upload the proposal submission prior to the submission deadline, the submission may not be accepted. It is the Offeror's responsibility to ensure a timely and complete submission.**

4 Proposal Preparation Instructions

4.1 General Instructions

The Technical Proposal and Cost Proposal shall be submitted in two separate volumes, and shall remain valid for 180 days unless otherwise specified by the Offeror in the proposal. The Proposal format provided in this MTEC RPP is mandatory and shall reference this RPP number (MTEC 20-13-iMAS). Offerors are encouraged to contact the POC identified herein up until the proposal submission date/time to clarify requirements. Offerors shall propose a Milestone Payment Schedule (MPS), which shall include all significant event/accomplishments that are intended to be accomplished as part of the project, a planned completion date (based on months post

award), the expected research funding expended towards completing that milestone, and any cost share, if applicable. See the example of a Statement of Work (SOW) in Section 8 of this RPP.

The Milestones and associated accomplishments proposed should, in general, be commensurate in number to the size and duration of the project. A milestone is not necessarily a physical deliverable; it is typically a significant R&D event. Quarterly and final technical reports may be considered deliverables, but they are not milestones. Please include quarterly and final technical reports as part of the Milestone Payment Schedule, without an associated cost.

All eligible Offerors may submit proposals for evaluation according to the criteria set forth herein. Offerors are advised that only ATI as the MTEC's CM, with the approval of the Government Agreements Officer, is legally authorized to contractually bind or otherwise commit funding for selected Research Project Awards as result of this RPP.

4.2 Technical Requirements

The DOD has identified three (3) tasks for funding under this RPP.

****To meet the intent of this RPP, each proposal MUST ADDRESS ALL THREE TASKS described below. Proposed projects that do not meet the full scope of all three tasks and technical requirements described herein will not be considered for funding.***

Task 1: iMAS Patient Operational Remote Tele-monitoring Advanced Layout (PORTAL)

This task shall deliver an initial prototype for the iMAS PORTAL. Proposed projects shall demonstrate the ability of existing remote monitoring capabilities being utilized in a hospital center that is currently tracking COVID-19 patients. This capability shall compile over a hundred million data points, per patient, per day with minimal provider exposure to COVID-19. With near real time waveform and data to include heart rate, systolic/diastolic blood pressure, mean arterial pressure, SpO₂, respirations, temperature, end tidal CO₂, inter-cranial pressure, lab data and electrocardiograms, this capability shall provide a continual view of the patient. The Awardee shall provide their system to the Government with open system architecture, structured data elements, and establish protocols required to remotely collect data from COVID-19 patients.

The initial prototype for the iMAS PORTAL will allow the Government to provide an immediate response to COVID-19 through remote Tele-Monitoring capabilities and data to support future Government COVID-19 predictive algorithms.

Task 2: iMAS Trauma Room/Emergency room (TR/ER)

This task focuses on the execution of an iMAS TR/ER work flow study to produce clear and concise data that will be utilized for future battlefield medical automation. Through video analysis, the Awardee will build a database of real world medical trauma cases to include patient diagnosis,

complete vital signs sets, medications given, medical treatments performed, and patient outcomes.

The Government will work with the team to identify methods and medical devices that will improve work flow efficiencies. This work will support the broader, government-run iMAS program objective aimed at providing interoperability between military medical devices, laboratory management systems, end user devices, medical inventory management systems, and electronic health records within military deployed hospital centers. ***Task 2 is not intended to develop the entire iMAS program but aims to collect data and identify methods and medical devices that will improve work flow efficiencies.***

Task 3: Medic Instrument for Traumatic Brain Injury (TBI)

This task will evaluate medic based applications to identify early indicators and clinical prognosticators of TBI. The Medic Instrument for TBI will evaluate existing mobile applications that will be utilized prehospital and evaluate them against on-going CT or MRI standard data through clinical protocols. These indicators and prognosticators will aid field care providers in identifying and triaging Warfighters who have suffered a TBI to assess their ability to return to duty or for evacuation for additional intervention (e.g., neurosurgery or neurocritical care). This study will evaluate a diagnostic tool for point of injury care that requires no more hardware than a standard cell phone. This task is to evaluate the correlation between available applications and advanced patient assessment for TBIs.

Additional Points of Consideration:

The following points of consideration should be included/addressed in proposal submissions:

- Offerors shall propose an appropriate number of FTEs to accomplish the full scope of work outlined in Tasks 1-3. Teams should have personnel with paramedic experience, clinical informatics, and biomedical engineering expertise to analyze and evaluate the video footage, provide input into the data collection process, and provide support for other study aspects. The duty location will be at the hospital center. The Awardee's team will be able to collaborate with and meet with the WHPE team for support of the execution of all three tasks and to find methods to improve data collection and analysis.
- Offerors shall clearly delineate their approach for each task and complete the cost proposal separated by task. Offerors should give careful thought to provide a realistic approach to meet the technical requirements and timeline of this RPP.
- Awardees will provide updates through a Status & Management Report to the Government point of contact chosen by the WHPE PMO. This report shall indicate the current work completed, work in progress, man hours required, funds expended, and program status. The report shall include configuration and change management revision,

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control documentation for hardware and software, major accomplishments, work to be accomplished in the next month, performance, schedule, and cost updates. It shall also rate and document risks, risk mitigation activities, and issues raised by the Integrated Product Team. The format of the Status & Management report is at the discretion of the Awardee. The report is due the 10th working day of each month after award until contract conclusion (Offerors should include this in the SOW, see Section 8 of this RPP). The Government will review the submissions of the Status & Management Report for compliance with the Statement of Work and other contract provisions.

- Two (2) Product Reviews per year shall be conducted to review the current status of the technical performance of the contract. The first review shall occur no later than 60 calendar days prior to end of Base Period and annually after the first review (include this in your SOW, see Section 8 of RPP).
- A Technical Data Package (TDP) shall be delivered seven (7) calendar days prior to the end of the PoP (Offerors should include this in the SOW, see Section 8 of this RPP). The Technical Data Package (TDP) shall consist of all technical data and documentation necessary for the development, manufacturing, and support of the device, for all software and hardware. This shall include but is not limited to the TDP, Product Master Data File, Interface Control Documents to include the source codes, algorithms, libraries and additional files required to compile and run the software, Requirement Traceability Matrix, User Manuals and Quick Setup Guides, New Equipment Training Briefs and Guides, Bill of Materials (BOM), component manufacturer and part numbers, Test Measurement & Diagnostic Equipment (TMDE), Product Maintenance Plan and Schedule.

Potential Follow-On Tasks:

There is potential for award of one or more follow-on tasks based on the success of any resultant Research Project Awards (subject to change depending upon Government review of work completed). Note that any potential follow on work is expected to be awarded non-competitively to resultant project awardees:

- Development of automated medical devices to improve the TR/ER workflow in iMAS.
- Development of novel mobile applications for TBI evaluations if existing mobile applications are not sufficient for rapid TBI assessment.
- Evaluation of predictive algorithms for COVID-19 decompensation or internal hemorrhage detection.

Animal and Human Studies:

As appropriate, performers will be required to obtain approvals by the:

- local Institutional Animal Care and Use Committee (IACUC) and USAMRDC's Animal Care and Use Review Office (ACURO) for animal subjects protection

- local Institutional Review Board (IRB) and USAMRDC's Human Research Protection Office (HRPO) in accordance with DoD and institutional regulations for human subjects protection.

Therefore, all proposals shall account for requirements related to obtaining these approvals to include IACUC and ACURO and/or IRB and HRPO review and approval in the SOW/Milestones Payment Schedule (Section 8 of RPP).

4.3 Preparation of the Proposal

The Technical Proposal format provided in the MTEC PPG is mandatory. Proposals shall reference this RPP number (MTEC-20-13-iMAS). The Technical Proposal and Cost Proposal must be submitted in two separate volumes, and shall remain valid for 180 days unless otherwise specified by the Offeror in the proposal. Offerors are encouraged to contact MTEC with any questions so that all aspects are clearly understood by both parties. The full proposal should include the following. **Each document will be uploaded to BIDS separately (see Section 11 of RPP for BIDS instructions).**

- **Technical Proposal submission:** one signed Technical Proposal (.pdf, .doc or .docx). Since the proposal will need to address the 3 tasks outlined in Section 4.2, please ensure that your technical proposal clearly delineates your approach separated by task. [Refer to section 6.2 of the PPG for instruction regarding the preparation of the Technical Proposal (also referred to as Volume 1).]
- **Statement of Work (SOW)/Milestone Payment Schedule (MPS):** one Word (.docx or .doc). The Offeror is required to provide a detailed SOW/Milestone Payment Schedule using the format provided herein (Section 8 of the RPP). The Government reserves the right to negotiate and revise any or all parts of SOW/Milestone Payment Schedule. Offerors will have the opportunity to concur with revised SOW/Milestone Payment Schedule as necessary. [Note: Although the SOW/MPS is already included as Appendix B of the Technical Proposal (Volume 1), it must be uploaded into the BIDS system again as a separate file in either the *.docx or *.doc format.]
- **Cost Proposal by Task submission:** one Word (.docx or .doc) or PDF file for Section I: Cost Proposal Narrative by Task (see Attachment 1 of the PPG) required. Separately, Section II: Cost Proposal Formats by Task either in Excel (.xlsx or .xls) or PDF format is required. [Since the proposal will need to address the 3 tasks outlined in Section 4.2, please ensure that your cost proposal clearly delineates your cost separated by task. Refer to section 7 of the PPG for instruction regarding the preparation of the Cost Proposal (also referred to as Volume 2).]
- **Warranties and Representations:** one Word (.docx or .doc) or PDF file that contains all Warranties and Representations is required. [Refer to section 3.3 of the PPG for instruction regarding the preparation of the Warranties and Representations. This document will be uploaded as a separate attachment into the BIDS system.]

- **Royalty Payment Agreement or Additional Research Project Award Assessment:** Each Offeror will select either the MTEC Additional Research Project Award Assessment Fee **or** the Royalty Payment Agreement (available on the MTEC members only website), **not both**, and submit a signed copy with the proposal. [Note: As per section 7.1 of the PPG, you must indicate your choice of either the MTEC Additional Research Project Award Assessment Fee or the Royalty Payment Agreement as part of Section I of the Cost Proposal (Cost Proposal Narrative). For more information regarding the Royalty Payment Agreement or Additional Research Project Award Assessment, refer to Section 8.8 of the PPG.]
- **Current and Pending Support**
 - For all current and pending research support (to include government and non-government), include the award number and title, funding agency and requiring activity's names, period of performance (dates of funding), level of funding (total direct costs only), brief description of the project's goals, and list of specific aims. If applicable, identify where the proposed project overlaps with other existing and pending research projects. Clearly state if there is no overlap.
 - If there is no current and/or pending support, enter "None."
 - See Section 9 of the RPP for template.
- **Data Rights**
 - Please reference RPP Section 2.12
 - Refer to Section 10 of the RPP for the required format. This document is no longer required as part of the Technical Proposal (Volume 1) and will be uploaded as a separate attachment into the BIDS system.

Evaluation: The Government will evaluate and determine which proposal(s) to award based on criteria described in **Section 5, "Selection,"** of this RPP. The Government reserves the right to negotiate with Offerors.

4.4 Cost Proposal

Offerors are encouraged to use their own cost formats such that the necessary detail is provided. MTEC will make cost proposal formats available on the Members-Only MTEC website. The Cost Proposal formats provided in the MTEC PPG are **NOT** mandatory. Refer to the MTEC PPG for additional details.

Each cost should include direct costs and other necessary components as applicable, for example, fringe, General & Administrative Expense (G&A), Facilities & Administrative (F&A), Other Direct Costs (ODC), etc. Offerors shall provide a breakdown of material and ODC costs as applicable.

4.5 Proposal Preparation Costs

The cost of preparing Proposals in response to this RPP is not considered a direct charge to any resulting award or any other contract.

4.6 Restrictions on Human Subjects, Cadavers, and Laboratory Animal Use

Proposals must comply with important restrictions and reporting requirements for the use of human subjects, to include research involving the secondary use of human biospecimens and/or human data, human cadavers, or laboratory animals. For a complete description of these mandatory requirements and restrictions and others, Offerors must refer to the accompanying MTEC PPG, "Additional Requirements."

These restrictions include mandatory government review and reporting processes that will impact the Offeror's schedule.

For example, the clinical studies under this RPP shall not begin until the USAMRDC HRPO provides authorization that the research may proceed. The USAMRDC HRPO will issue written approval to begin research under separate notification. Written approval to proceed from the USAMRDC HRPO is also required for any Research Project Awardee (or lower tier subawards) that will use funds from this award to conduct research involving human subjects. Offerors must allow at least 30 days in their schedule for the HRPO review and authorization process.

4.7 Freedom of Information Act (FOIA)

To request protection from FOIA disclosure as allowed by 10 U.S.C. §2371(i), Offerors shall mark business plans and technical information with a legend identifying the documents as being submitted on a confidential basis. For more information, please refer to Section 6.1.1 of the MTEC PPG.

5 Selection

The CM will conduct a preliminary screening of submitted proposals to ensure compliance with the RPP requirements. As part of the preliminary screening process, proposals that do not meet the requirements of the RPP may be eliminated from the competition or additional information may be requested by the CM. The Government reserves the right to request additional information or eliminate proposals that do not meet these requirements from further consideration. One of the primary reasons for elimination from further consideration is the lack of significant nontraditional defense contractor participation, nonprofit research institution participation, all small business participation, or cost sharing (see RPP Sections 2.8-2.10). The Cost Sharing/Nontraditional Contractor determination will be made as shown in Table 1:

TABLE 1- COST SHARING/NONTRADITIONAL CONTRACTOR ASSESSMENTS	
RATING	DESCRIPTION

Request for Project Proposals MTEC-20-13-iMAS
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PASS	<p>Offeror proposing an MTEC research project meets at least ONE of the following:</p> <ul style="list-style-type: none"> • Offeror is a Nontraditional Defense Contractor or Nonprofit Research Institution • Offeror's proposal has at least one Nontraditional Defense Contractor or Nonprofit Research Institution participating to a significant extent • All significant participants in the transaction other than the Federal Government are small businesses or nontraditional defense contractors • Offeror provides at least one third of the total project cost as acceptable cost share
FAIL	<p>Offeror proposing an MTEC research project does NOT meet any of the following:</p> <ul style="list-style-type: none"> • Offeror is a Nontraditional Defense Contractor or Nonprofit Research Institution • Offeror's proposal has at least one Nontraditional Defense Contractor or Nonprofit Research Institution participating to a significant extent • All significant participants in the transaction other than the Federal Government are small businesses or nontraditional defense contractors • Offeror provides at least one third of the total project cost as acceptable cost share

Following the preliminary screening, the Government sponsor will perform proposal source selection. This will be conducted using the evaluation factors detailed below. The Government will conduct an evaluation of all qualified proposals. The Source Selection Authority may:

1. *Select the proposal (or some portion of the proposal) for award*
2. *Place the proposal in the Basket if funding currently is unavailable; or*
3. *Reject the proposal (will not be considered for award and will not be placed in the Basket)*

5.1 Proposal Evaluation Process

Qualified applications will be evaluated by a panel of subject matter experts (SMEs) who will make recommendations to a Source Selection Authority.

This process may involve the use of contractors as SME consultants or reviewers. Where appropriate, the USG will employ non-disclosure agreements to protect information contained in the RPP as outlined in Section 2.6.

Evaluation of proposals will be based on an independent, comprehensive review and assessment of the work proposed against stated source selection criteria and evaluation factors. The Government will evaluate each proposal against the evaluation factors detailed below and assigned adjectival ratings to the non-cost/price factor(s) consistent with those defined in Table 2 (General Merit Ratings Assessments). The Offeror shall clearly state how it intends to meet and, if possible, exceed the RPP requirements. Mere acknowledgement or restatement of a RPP requirement is not acceptable.

The evaluation factors and evaluation criteria are described below.

5.2 Evaluation Factors

1. Technical Approach and Feasibility
2. Potential for Transition and Commercialization
3. Cost/Price

Evaluation factors are listed in descending order of importance.

Table 2 explains the adjectival merit ratings that will be used for the Technical Approach and Feasibility factor and Potential for Transition and Commercialization factor.

TABLE 2- GENERAL MERIT RATING ASSESSMENTS	
RATING	DESCRIPTION
OUTSTANDING	Proposal meets requirements and indicates an exceptional scientific/technical approach and understanding of the requirements. Strengths far outweigh any weaknesses. Risk of unsuccessful performance is very low, the risk being mitigated by numerous potential alternative approaches.
GOOD	Proposal meets requirements and indicates a thorough approach and understanding of the requirements. Proposal contains strengths, which outweigh any weaknesses. Risk of unsuccessful performance is low.
ACCEPTABLE	Proposal meets requirements and indicates an adequate approach and understanding of the requirements. Strengths and weaknesses are offsetting or will have little or no impact on contract performance. Risk of unsuccessful performance is no worse than moderate.
MARGINAL	Proposal does not clearly meet requirements and has not demonstrated an adequate approach and understanding of the requirements. The proposal has one or more weaknesses, which are not offset by strengths. Risk of unsuccessful performance is high.

UNACCEPTABLE	Proposal does not meet requirements and contains one or more deficiencies. Proposal is not awardable.
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5.3 Evaluation Factor 1. Technical Approach and Feasibility

The Technical Approach and Feasibility factor will be evaluated using the merit rating as shown in Table 2.

The Offeror's proposed solution will be assessed for the likelihood of successfully achieving the requirements of the technology of interest as defined in Section 4 above. The likelihood of success will be determined by considering the soundness and clarity of the technical approach. Additional consideration will be given to the degree to which any preliminary existing data supports the proposed project plan and the suitability of the proposed statistical plan. The SOW should provide a succinct approach for achieving the project's objectives. The SOW will be evaluated based on the degree to which the rationale, objectives, and specific aims support the proposed research. The effort will be assessed for the extent to which the solution is technologically innovative and how the proposed deliverable advances the solution's maturity. Military relevance is a critical component of proposal submission. This relevance includes the health care needs of military Service members and their Families, and the extent to which the proposal offers a joint Service solution. A description of the project team's expertise, key personnel, and corporate experience shall demonstrate an ability to execute the SOW.

5.4 Evaluation Factor 2: Potential for Transition and Commercialization

The Potential for Transition and Commercialization factor will be evaluated using the merit rating as shown in Table 2.

The Offeror's proposal will be assessed for:

- a. How well the Offeror provides sufficient evidence that the effort is ready to move into the proposed stage of research, development, or clinical testing.
- b. How well the project will translate promising, well-founded basic or clinical research findings into clinical applications for military Service members and or their beneficiaries.
- c. How well the funding strategy described will advance the technology to the next level of development and/or delivery to the military or civilian market.
- d. How well the proposal identifies intellectual property ownership, describes any appropriate intellectual and material property plan among participating organizations (if applicable), and addresses any impact of intellectual property issues on product development.
- e. How well the regulatory strategy is described, if applicable.

5.5 Evaluation Factor 3. Cost/Price

The Cost/Price area will receive a narrative rating to determine whether costs are realistic, reasonable, and complete.

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If a proposal is selected for award, the MTEC CM will evaluate the estimated cost proposed by the Offeror for performing all requirements outlined in this RPP and the MTEC PPG. Evaluation will include analysis of the proposed cost together with all supporting information. The Offeror's cost and rationale will be evaluated for realism, reasonableness, and completeness. The MTEC CM will review the original cost proposal and the Offeror's response to a Proposal Update Letter, if applicable. The MTEC CM will request additional information or clarification as necessary. The MTEC CM will assess the reasonableness and completeness of the cost estimates and then provide a formal assessment to the Government. The Government will review this assessment and make the final determination that the negotiated project value is fair and reasonable.

Proposals will be evaluated using the understanding of cost realism, reasonableness, and completeness as outlined below:

a) Realism. Proposals will be evaluated to determine if Costs are realistic for the work to be performed, reflect a clear understanding of the requirements, and are consistent with the various elements of the Offeror's schedule proposal.

Estimates are "realistic" when they are neither excessive nor insufficient for the effort to be accomplished. Estimates must also be realistic for each task of the proposed project when compared to the total proposed cost. For more information on cost realism, please refer to the MTEC PPG.

The MTEC CM will make a determination by directly comparing proposed costs with comparable current and historical data, evaluator experience, available estimates, etc. Proposed estimates will be compared with the corresponding technical proposals for consistency.

b) Reasonableness. The Offeror's cost proposal will be evaluated to determine if it is reasonable. For a price to be reasonable, it must represent a price to the Government that a prudent person would pay in the conduct of competitive business. Normally, price reasonableness is established through cost and price analysis.

To be considered reasonable, the Offeror's cost estimate should be developed from applicable historic cost data. The Offeror should show that sound, rational judgment was used in deriving and applying cost methodologies. Appropriate narrative explanation and justification should be provided for critical cost elements. The overall estimate should be presented in a coherent, organized, and systematic manner.

Costs provided shall be clearly attributable to activities or materials as described by the Offeror. Costs should be broken down using the Cost Proposal Formats that are located on the Members-Only MTEC website.

c) Completeness. The MTEC CM will evaluate whether the proposal clearly and thoroughly documents the rationale supporting the proposed cost and is compliant with the requirements of the solicitation.

The proposal should clearly and thoroughly document the cost/price information supporting the proposed cost in sufficient detail and depth. The MTEC CM will evaluate whether the Offeror's cost proposal is complete with respect to the work proposed. The MTEC CM will consider substantiation of proposed cost (i.e., supporting data and estimating rationale) for all elements.

Rate and pricing information is required to properly perform the cost analysis of the proposal. If the Offeror is unwilling to provide this information in a timely manner, then the proposal cannot be properly evaluated, and cannot be selected for award.

5.6 Best Value

The Government will conduct the source selection based on the evaluation criteria and ratings listed above. The overall award decision will be based upon a Best Value determination by considering and comparing factors in addition to cost or price. Based on the results of the Technical Approach and Feasibility Evaluation and Potential for Transition and Commercialization, the Government reserves the right to negotiate and request changes to any or all parts of the SOW. Offerors will have the opportunity to concur with the requested changes, proposed further changes and revise cost proposals, as necessary.

5.7 Definition of General Terms Used in Evaluations:

Strength - An aspect of an Offeror's proposal that has merit or exceeds specified performance or capability requirements in a way that will be advantageous to the Government during award performance.

Weakness - A flaw in the proposal that increases the risk of unsuccessful award performance.

Significant Strength - An aspect of an Offeror's proposal that has appreciable merit or appreciably exceeds specified performance or capability requirements in a way that will be appreciably advantageous to the Government during award performance.

Significant Weakness - A flaw that appreciably increases the risk of unsuccessful award performance.

Deficiency - A material failure of a proposal to meet a Government requirement or a combination of weaknesses in a proposal that increases the risk of unsuccessful award performance to an unacceptable level.

6 Points-of-Contact

For inquiries, please direct your correspondence to the following contacts:

- Questions concerning contractual, cost or pricing related to this RPP should be directed to the MTEC Contracts Administrator, mtec-contracts@ati.org
- Technical and membership questions should be directed to the MTEC Director of Research, Dr. Lauren Palestrini, Ph.D., lauren.palestrini@officer.mtec-sc.org
- All other questions should be directed to the MTEC Director of Program Operations, Ms. Kathy Zolman, kathy.zolman@ati.org

Once an Offeror has submitted a Proposal the Government and the MTEC CM will not discuss evaluation/status until the source selection process is complete.

7 Acronyms/Abbreviations

ACURO	Animal Care and Use Review Office
ATI	Advanced Technology International
BOM	Bill of Materials
CAS	Contract Accounting System
CM	Consortium Manager
CMA	Consortium Member Agreement
CT	Computed Tomography
DHA	Defense Health Agency
DHP	Defense Health Program
DoD	Department of Defense
ER	Emergency Room
EUD	End User Devices
FAQ	Frequently Asked Questions
F&A	Facilities and Administrative Costs
FY	Fiscal Year
G&A	General and Administrative Expenses
HRPO	Human Research Protection Office
IACUC	Institutional Animal Care and Use Committee
iACT	interoperable Application for Care & Treatment
iFH	interoperable Filed Hospital
iMAS	Interoperable Medical Automated Systems
iMIM	interoperable Medical Inventory Management
IP	Intellectual Property (e.g., patents, copyrights, licensing, etc.)
IRB	Institutional Review Board
IR&D	Independent Research and Development
JPC	Joint Program Committee

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M	Millions
MPS	Milestone Payment Schedule
MRI	Magnetic Resonance Imaging
MTEC	Medical Technology Enterprise Consortium
MTF	Medical Treatment Facilities
NDA	Nondisclosure Agreement
OCI	Organizational Conflict of Interest
ODC	Other Direct Costs
OTA	Other Transaction Agreement
OR	Operating Room
HRPO	Human Research Protection Office, USAMRDC
PMO	Program Management Office
POC	Point-of-Contact
PoP	Period of Performance
PORTAL	Patient Operational Remote Tele-monitoring Advanced Layout
PPE	Personal protection equipment
PPG	Proposal Preparation Guide
R&D	Research and Development
RDT&E	Research, Development, Test and Evaluation
RPP	Request for Project Proposals
SME	Subject Matter Expert
SOW	Statement of Work
TBI	Traumatic Brain Injury
TDP	Technical Data Package
TMDE	Test Measurement & Diagnostic Equipment
TR	Trauma Room
TTPs	Tactics, Techniques, Procedures
USAMMDA	U.S. Army Medical Materiel Development Activity
USAMRDC	U.S. Army Medical Research and Development Command
USG	U.S. Government
WHPE	Warfighter, Health, Performance and Evacuation

8 Statement of Work (SOW)

Statement of Work (SOW)

The SOW developed by the Lead MTEC member organization and included in the proposal (also submitted as a separate document) is intended to be incorporated into a binding agreement if the proposal is selected for award. If no SOW is submitted with the proposal, there may be no award. The proposed SOW shall contain a summary description of the technical methodology as well as the task description, but not in so much detail as to make the contract inflexible. DO NOT INCLUDE ANY PROPRIETARY INFORMATION OR COMPANY-SENSITIVE INFORMATION IN THE SOW TEXT. The following is the required format for the SOW.

Statement of Work

Submitted under Request for Project Proposal (*Insert current Request No.*)

(Proposed Project Title)

Introduction/Background (*To be provided initially by the Offeror at the time of proposal submission. Submitted information is subject to change through negotiation if the Government selects the proposal for funding.*)

Scope/Project Objective (*To be provided initially by the Offeror at the time of proposal submission. Submitted information is subject to change through negotiation if the Government selects the proposal for funding.*)

This section includes a statement of what the project covers. This should include the technology area to be investigated, the objectives/goals, and major milestones for the effort.

Requirements (*To be provided initially by the Offeror at the time of proposal submission to be finalized by the Government based on negotiation of Scope/Project Objective*).

State the technology objective in the first paragraph and follow with delineated tasks required to meet the overall project goals. The work effort should be segregated into major phases, then tasks and identified in separately numbered paragraphs (similar to the numbered breakdown of these paragraphs). Early phases in which the performance definition is known shall be detailed by subtask with defined work to be performed. Planned incrementally funded phases will require broader, more flexible tasks that are priced up front, and adjusted as required during execution and/or requested by the Government to obtain a technical solution. Tasks will need to track with established adjustable cost or fixed price milestones for payment schedule. Each major task included

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in the SOW should be priced separately in the cost proposal. Subtasks need not be priced separately in the cost proposal.

Deliverables *(To be provided initially by the Offeror at the time of proposal submission. Submitted information is subject to change through negotiation if the Government selects the proposal for funding.)*

Results of the technical effort are contractually binding and shall be identified herein. Offerors are advised to read the Base Agreement carefully. Any and all hardware/software to be provided to the Government as a result of this project shall be identified. Deliverables should be submitted in PDF or MS Office format. It must be clear what information will be included in a deliverable either through a descriptive title or elaborating text.

Milestone Payment Schedule *(To be provided initially by the Offeror at the time of proposal submission. Submitted information is subject to change through negotiation if the Government selects the proposal for funding. The milestone schedule included should be in editable format (i.e., not a picture))*

The Milestone Payment Schedule should include all milestone deliverables that are intended to be delivered as part of the project, a planned submission date, the monetary value for that deliverable and any cost share, if applicable. For fixed price agreements, when each milestone is submitted, the MTEC member will submit an invoice for the exact amount listed on the milestone payment schedule. For cost reimbursable agreements, the MTEC member is required to assign a monetary value to each milestone. In this case, however, invoice totals are based on cost incurred and will not have to match exactly to the amounts listed on the milestone payment schedule.

The milestones and associated deliverables proposed should, in general:

- be commensurate in number to the size and duration of the project (i.e., a \$5M multi-year project may have 20, while a \$700K shorter term project may have only 6);
- not be structured such that multiple deliverables that might be submitted separately are included under a single milestone;
- be of sufficient monetary value to warrant generation of a deliverable and any associated invoices;
- include at a minimum Quarterly Reports which include both Technical Status and Business Status Reports (due the 25th of Apr, Jul, Oct, Jan), Annual Technical Report, Final Technical Report, and Final Business Status Report. Reports shall have no funding associated with them.

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MTEC Milestone Payment Schedule Example						
MTEC Milestone Number	Task Number	Significant Event/ Accomplishments	Due Date	Government Funds	Cost Share	Total Funding
1	N/A	Project Kickoff	12/1/2019	\$20,000		\$20,000
2	N/A	Quarterly Report 1 (October - December, Technical and Business Reports)	1/25/2020	\$ -		\$ -
3	1	Protocol Synopsis	2/28/2020	\$21,075		\$21,075
4	2	Submission for HRPO Approval	2/28/2020	\$21,075		\$21,075
5	3	Submission of Investigational New Drug application to the US FDA	4/30/2020	\$210,757	\$187,457	\$398,214
6	N/A	Quarterly Reports 2 (January - March, Technical and Business Reports)	4/25/2020	\$ -		\$ -
7	N/A	Quarterly Report 3 (April - June, Technical and Business Reports)	7/25/2020	\$ -		\$ -
8	4	Toxicity Studies	10/1/2020	\$63,227		\$63,227
9	N/A	Annual Report 1	10/25/2020	\$ -		\$ -
10	5	FDA authorization trial	11/30/2020	\$84,303		\$84,303
11	6	Research staff trained	11/30/2020	\$ -		\$ -
12	7	Data Management system completed	11/30/2020	\$ -		\$ -
13	8	1 st subject screened, randomized and enrolled in study	1/1/2021	\$150,000	\$187,457	\$337,457

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14	N/A	Quarterly Report 4 (October - December, Technical and Business Reports)	1/25/2021	\$ -		\$ -
15	9	Completion of dip molding apparatus	3/1/2021	\$ 157,829	\$ 187,457	\$ 345,286
16	N/A	Quarterly Reports 5 (January - March, Technical and Business Reports)	4/25/2021	\$ -		\$ -
17	10	Assess potential toxicology	6/1/2021	\$157,829		\$157,829
18	N/A	Quarterly Report 6 (April - June, Technical and Business Reports)	7/25/2021	\$ -		\$ -
19	11	Complete 50% patient enrollment	10/1/2021	\$350,000	\$187,457	\$537,457
20	N/A	Annual Report 1	10/25/2021	\$ -		\$ -
21	N/A	Quarterly Report 7 (October - December, Technical and Business Reports)	1/25/2022	\$ -		\$ -
22	12	Electronic Report Forms Developed	3/1/2022	\$315,658	\$187,457	\$503,115
23	N/A	Quarterly Reports 8 (January - March, Technical and Business Reports)	4/25/2022	\$ -		\$ -
24	N/A	Quarterly Report 9 (April - June, Technical and Business Reports)	7/25/2022	\$ -		\$ -
25	13	Complete 100% patient enrollment	8/1/2022	\$315,658	\$187,457	\$503,115
26	N/A	Annual Report 1	10/25/2022	\$ -		\$ -
27	14	Report results from data analysis	11/1/2022	\$157,829		\$157,829
28	N/A	Final Reports (<u>Prior to the POP End</u>)	11/30/2022	\$ -		\$ -
			Total	\$2,025,240	\$1,124,742	\$3,149,982

Please Note:

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1. Firm Fixed Price Contracts – Milestone must be complete before invoicing for fixed priced contracts.
2. Cost Reimbursable Contracts – You may invoice for costs incurred against a milestone. Invoicing should be monthly.
3. Cannot receive payment for a report (i.e. Quarterly, Annual and Final Reports should not have an assigned Government Funded or Cost Share amount.)
4. Quarterly and Annual Reports include BOTH Technical and Business Reports (separate).
5. Final Report due date must be prior to POP end noted in subcontract.
6. MTEC Milestone Numbers are used for administrative purposes and should be sequential.
7. Task Numbers are used to reference the statement of work if they are different from the MTEC Milestone Number.

Shipping Provisions *(The following information, if applicable to the negotiated SOW, will be finalized by the Government and the MTEC Consortium Manager based on negotiations)*

- The shipping address is:
Classified Shipments:
Outer Packaging
Inner Packaging

Data Rights *(see Section 8.4 of PPG for more information)*

Technical Data or Computer Software to be Furnished with Restrictions	Basis for Assertion	Asserted Rights Category	Name of Organization Asserting Restrictions	Milestone # Affected
Software XYZ	Previously developed software funded exclusively at private expense	Restricted	Organization XYZ	Milestones 1, 3, and 6
Technical Data Description	Previously developed exclusively at private expense	Limited	Organization XYZ	Milestone 2

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Technical Data Description	Previously developed with mixed funding	Government Purpose Rights	Organization XYZ	Milestone 2
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Reporting *(The following information, if applicable to the negotiated SOW, will be provided by the Government based on negotiation)*

Report Months	Due Date
January – March	25 April
April - June	25 July
July - September	25 October
October - December	25 January

- Quarterly Reports – The MTEC research project awardee shall prepare a Quarterly Report, which will include a Technical Status Report and a Business Status Report in accordance with the terms and conditions of the Base Agreement. (Required)
- Annual Technical Report – The project awardee shall prepare an Annual Technical Report for projects whose periods of performances are greater than one year in accordance with the terms and conditions of the Base Agreement. (Required)
- Final Technical Report – At the completion of the Research Project Award, the awardee will submit a Final Technical Report, which will provide a comprehensive, cumulative, and substantive summary of the progress and significant accomplishments achieved during the total period of the Project effort in accordance with the terms and conditions of the Base Agreement. (Required)
- Final Business Status Report – At the completion of the Research Project Award, the awardee will submit a Final Business Status Report, which will provide summarized details of the resource status of the Research Project Award, in accordance with the terms and conditions of the Base Agreement. (Required)

9 Current & Pending Support Template

Current & Pending Support Template

Current

Award Number:

Title:

Funding Agency/Requiring Activity:

Dates of Funding:

Total Direct Costs:

Role: *(i.e. Principal Investigator, Co-Investigator, etc.)*

Brief summary of the scope of work:

Award Number:

Title:

Funding Agency/Requiring Activity:

Dates of Funding:

Total Direct Costs:

Role: *(i.e. Principal Investigator, Co-Investigator, etc.)*

Brief summary of the scope of work:

[Add additional fields, if needed, to report all current support]

Pending

Title of Proposal:

Funding Agency/Requiring Activity:

Estimated Dates of Funding:

Proposed Total Direct Costs:

Role: *(i.e. Principal Investigator, Co-Investigator, etc.)*

Brief summary of the scope of work:

Title of Proposal:

Funding Agency/Requiring Activity:

Estimated Dates of Funding:

Proposed Total Direct Costs:

Role: *(i.e. Principal Investigator, Co-Investigator, etc.)*

Brief summary of the scope of work:

[Add additional fields, if needed, to report all pending support]

10 Data Rights

The Offeror shall comply with the terms and conditions defined in the Base Agreement regarding Data Rights.

It is anticipated that anything delivered under this proposed effort would be delivered to the Government with Government purpose data rights or unlimited data rights. If this is not the intent, then the proposal should discuss data rights associated with each item, and possible approaches for the Government to gain Government purpose data rights or unlimited data rights as referenced in the Base Agreement. Rights in technical data in each Research Project Award shall be determined in accordance with the provisions of MTEC Base Agreement.

If applicable, complete the below table for any items to be furnished to the Government with restrictions. An example is provided.

Technical Data or Computer Software to be Furnished with Restrictions	Basis for Assertion	Asserted Rights Category	Name of Organization Asserting Restrictions	Milestone # Affected
Software XYZ	Previously developed software funded exclusively at private expense	Restricted	Organization XYZ	Milestones 1, 3, and 6
Technical Data Description	Previously developed exclusively at private expense	Limited	Organization XYZ	Milestone 2
Technical Data Description	Previously developed with mixed funding	Government Purpose Rights	Organization XYZ	Milestone 2

11 BIDS Instructions

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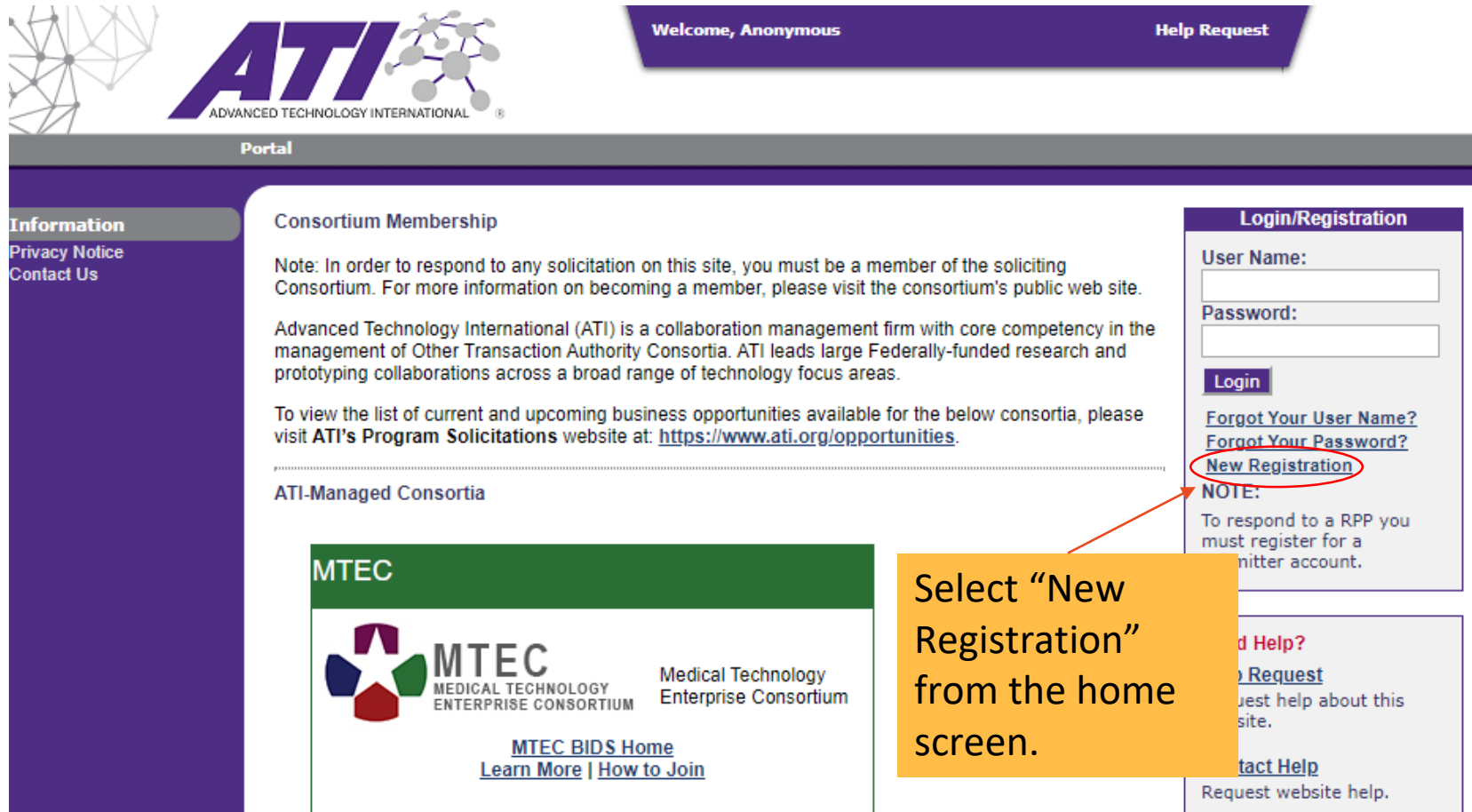
MTEC BIDS REGISTRATION

MTEC BIDS URL:

[HTTPS://AT12.ACQCENTER.COM](https://at12.acqcenter.com)

BIDS New Registration

Navigate to the MTEC BIDS website and select “New Registration”



ATI
ADVANCED TECHNOLOGY INTERNATIONAL

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Consortium Membership


Note: In order to respond to any solicitation on this site, you must be a member of the soliciting Consortium. For more information on becoming a member, please visit the consortium's public web site.

Advanced Technology International (ATI) is a collaboration management firm with core competency in the management of Other Transaction Authority Consortia. ATI leads large Federally-funded research and prototyping collaborations across a broad range of technology focus areas.

To view the list of current and upcoming business opportunities available for the below consortia, please visit ATI's Program Solicitations website at: <https://www.ati.org/opportunities>.

ATI-Managed Consortia

MTEC

 **MTEC**
MEDICAL TECHNOLOGY
ENTERPRISE CONSORTIUM

Medical Technology
Enterprise Consortium

[MTEC BIDS Home](#)
[Learn More | How to Join](#)

Login/Registration

User Name:

Password:

[Login](#)

[Forgot Your User Name?](#)
[Forgot Your Password?](#)
[New Registration](#)

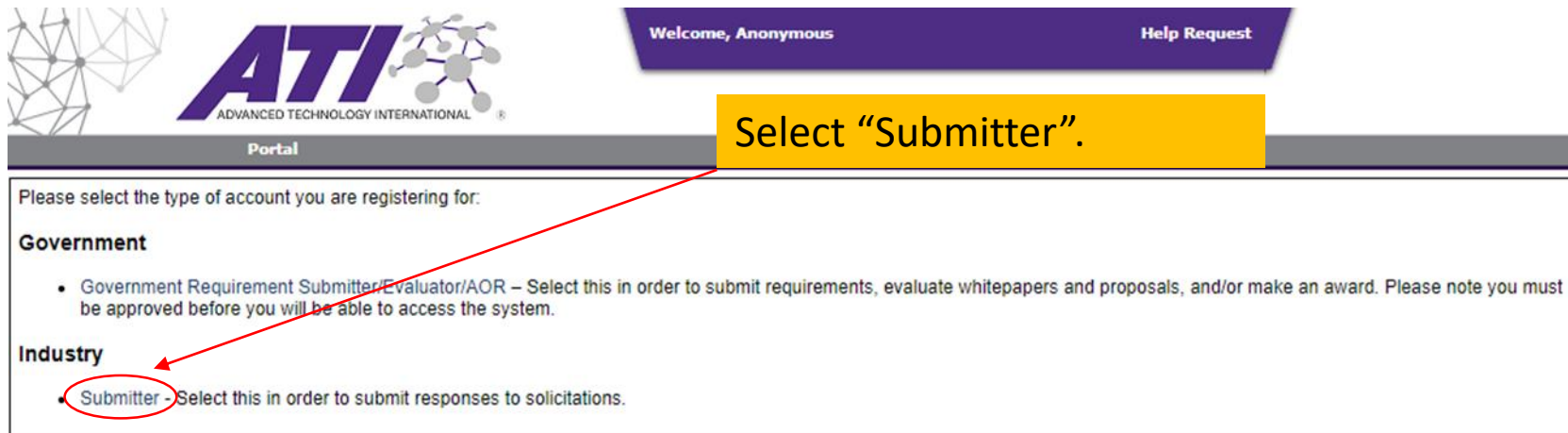
NOTE:
To respond to a RPP you must register for a twitter account.

[Request Help?](#)
[Request](#)
Request help about this site.

[Contact Help](#)
Request website help.

Select “New Registration” from the home screen.

Select "Submitter"



Portal

Welcome, Anonymous Help Request

Select "Submitter".

Please select the type of account you are registering for:

Government

- Government Requirement Submitter/Evaluator/AOR – Select this in order to submit requirements, evaluate whitepapers and proposals, and/or make an award. Please note you must be approved before you will be able to access the system.

Industry

- Submitter** - Select this in order to submit responses to solicitations.

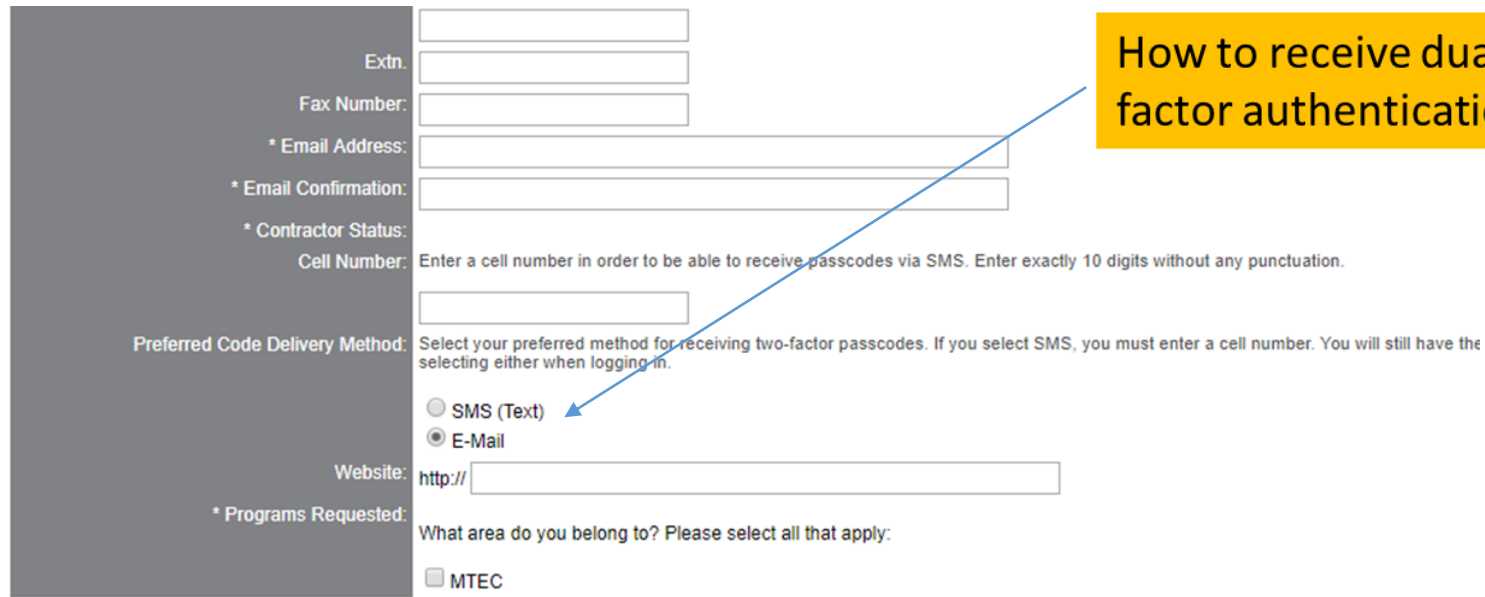
SECURITY NOTICE: Unauthorized attempts to deny service, upload information, change information, or attempt to access a non-public site from this service are strictly prohibited and may be punishable under Title 18 of the U.S. Code to include the Computer Fraud and Abuse Act of 1986 and the National Information Infrastructure Protection Act.



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BIDS New Registration

Complete the registration form. Be sure to select how you want to receive the dual factor verification code (SMS text message is recommended).



Extn.

Fax Number:

* Email Address:

* Email Confirmation:

* Contractor Status:

Cell Number: Enter a cell number in order to be able to receive passcodes via SMS. Enter exactly 10 digits without any punctuation.

Preferred Code Delivery Method: Select your preferred method for receiving two-factor passcodes. If you select SMS, you must enter a cell number. You will still have the selecting either when logging in.

SMS (Text) ←

E-Mail

Website: http://

* Programs Requested: What area do you belong to? Please select all that apply:

MTEC

How to receive dual factor authentication .

Select "Submit Registration" to complete BIDS registration.

BIDS New Registration

BIDS registration is instantaneous. It does not require any verification by the MTEC team. After successfully registering, you can submit proposals to any open MTEC RPP.

- MTEC Membership will be verified once a proposal is received and after the proposal deadline.
- Updates to submitted documents can be made anytime prior to the due date and time.
- MTEC RPP links will be opened, within BIDS, at least two weeks prior to the submission deadline.

Please note: For RPPs that are two stages (i.e. White Paper to Full Proposal) only the account that submitted the stage 1 proposal (the White Paper) will be allowed to submit for stage 2 (the Full Proposal), if selected.

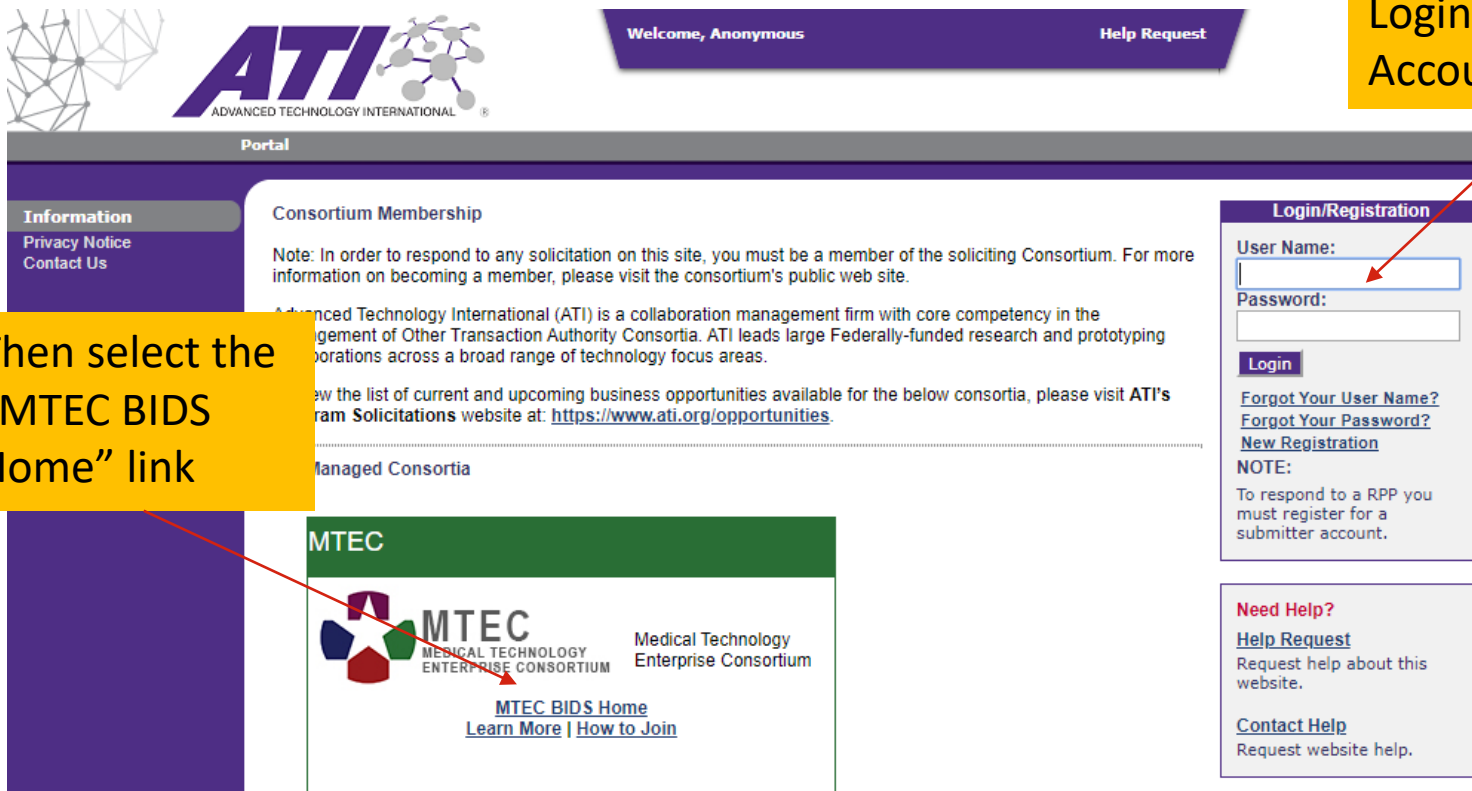
ALL PROPOSALS MUST BE SUBMITTED BEFORE THE SUBMISSION DUE DATE AND TIME. LATE PROPOSALS CAN NOT BE ACCEPTED.

MTEC BIDS PROPOSAL SUBMISSION

MTEC BIDS URL:

[HTTPS://AT12.ACQCENTER.COM](https://at12.acqcenter.com)

Navigate to the MTEC BIDS site and login. After login select the “MTEC BIDS Home” link.



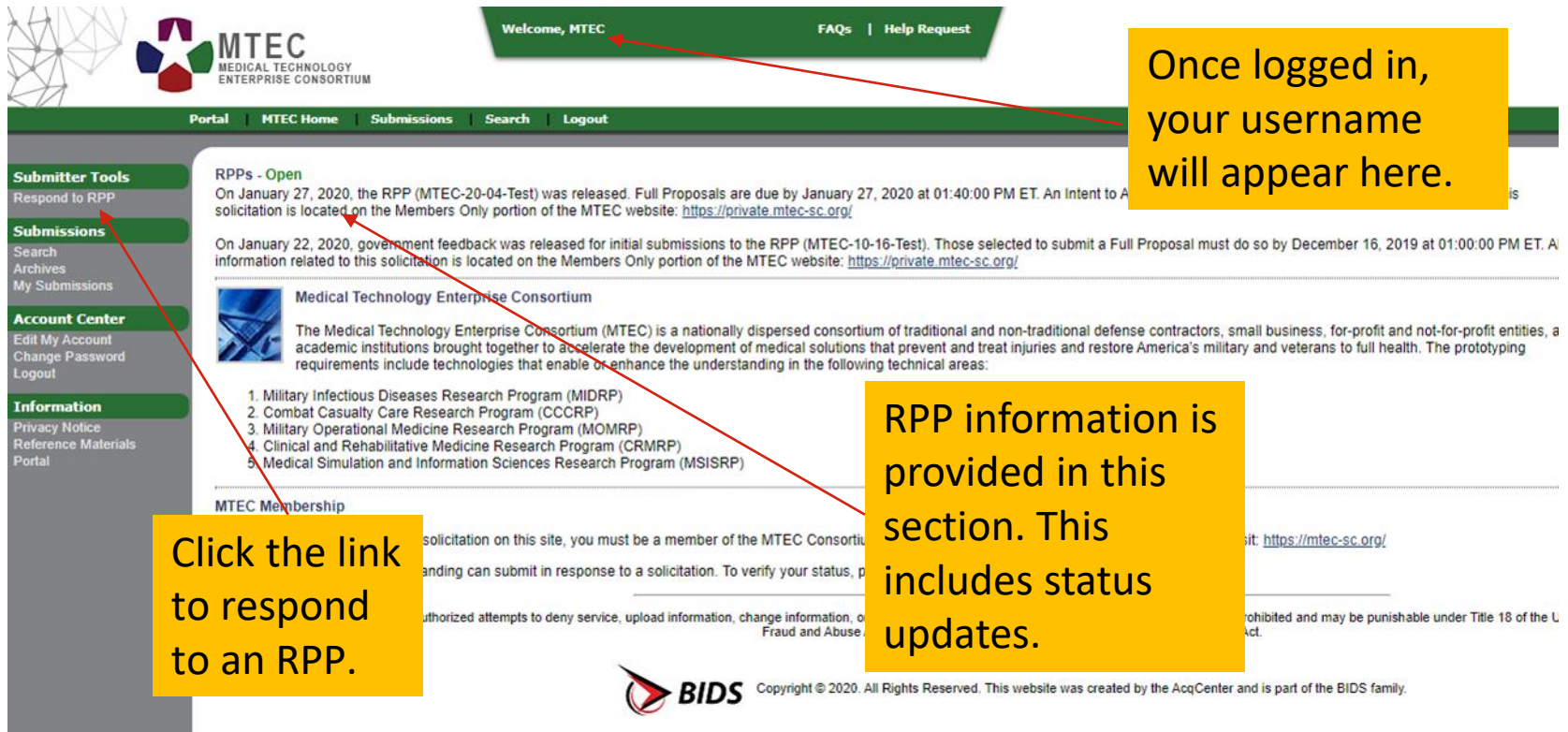
The screenshot shows the MTEC BIDS website interface. At the top, there is a navigation bar with "Welcome, Anonymous" and a "Help Request" link. Below this is a "Portal" header. The main content area is divided into several sections: "Information" (Privacy Notice, Contact Us), "Consortium Membership" (Note: In order to respond to any solicitation on this site, you must be a member of the soliciting Consortium. For more information on becoming a member, please visit the consortium's public web site.), "Advanced Technology International (ATI) is a collaboration management firm with core competency in the management of Other Transaction Authority Consortia. ATI leads large Federally-funded research and prototyping operations across a broad range of technology focus areas.", "View the list of current and upcoming business opportunities available for the below consortia, please visit ATI's program Solicitations website at: <https://www.ati.org/opportunities>.", and "Managed Consortia". A prominent "MTEC" banner is displayed, featuring the MTEC logo and the text "MTEC Medical Technology Enterprise Consortium" with links for "MTEC BIDS Home", "Learn More", and "How to Join". On the right side, there is a "Login/Registration" section with fields for "User Name:" and "Password:", a "Login" button, and links for "Forgot Your User Name?", "Forgot Your Password?", and "New Registration". Below this is a "Need Help?" section with links for "Help Request" and "Contact Help".

Login to your BIDS Account.

Then select the “MTEC BIDS Home” link

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Select the “Respond to RPP” link under the submitter tools



Once logged in, your username will appear here.

Click the link to respond to an RPP.

RPP information is provided in this section. This includes status updates.

Welcome, MTEC FAQs | Help Request

Portal | MTEC Home | Submissions | Search | Logout

Submitter Tools
Respond to RPP

Submissions
Search
Archives
My Submissions

Account Center
Edit My Account
Change Password
Logout

Information
Privacy Notice
Reference Materials
Portal

RPPs - Open
On January 27, 2020, the RPP (MTEC-20-04-Test) was released. Full Proposals are due by January 27, 2020 at 01:40:00 PM ET. An intent to award solicitation is located on the Members Only portion of the MTEC website: <https://private.mtec-sc.org/>

On January 22, 2020, government feedback was released for initial submissions to the RPP (MTEC-10-16-Test). Those selected to submit a Full Proposal must do so by December 16, 2019 at 01:00:00 PM ET. All information related to this solicitation is located on the Members Only portion of the MTEC website: <https://private.mtec-sc.org/>

Medical Technology Enterprise Consortium
The Medical Technology Enterprise Consortium (MTEC) is a nationally dispersed consortium of traditional and non-traditional defense contractors, small business, for-profit and not-for-profit entities, and academic institutions brought together to accelerate the development of medical solutions that prevent and treat injuries and restore America's military and veterans to full health. The prototyping requirements include technologies that enable or enhance the understanding in the following technical areas:


1. Military Infectious Diseases Research Program (MIDRP)
2. Combat Casualty Care Research Program (CCCRP)
3. Military Operational Medicine Research Program (MOMRP)
4. Clinical and Rehabilitative Medicine Research Program (CRM RP)
5. Medical Simulation and Information Sciences Research Program (MSISRP)

MTEC Membership

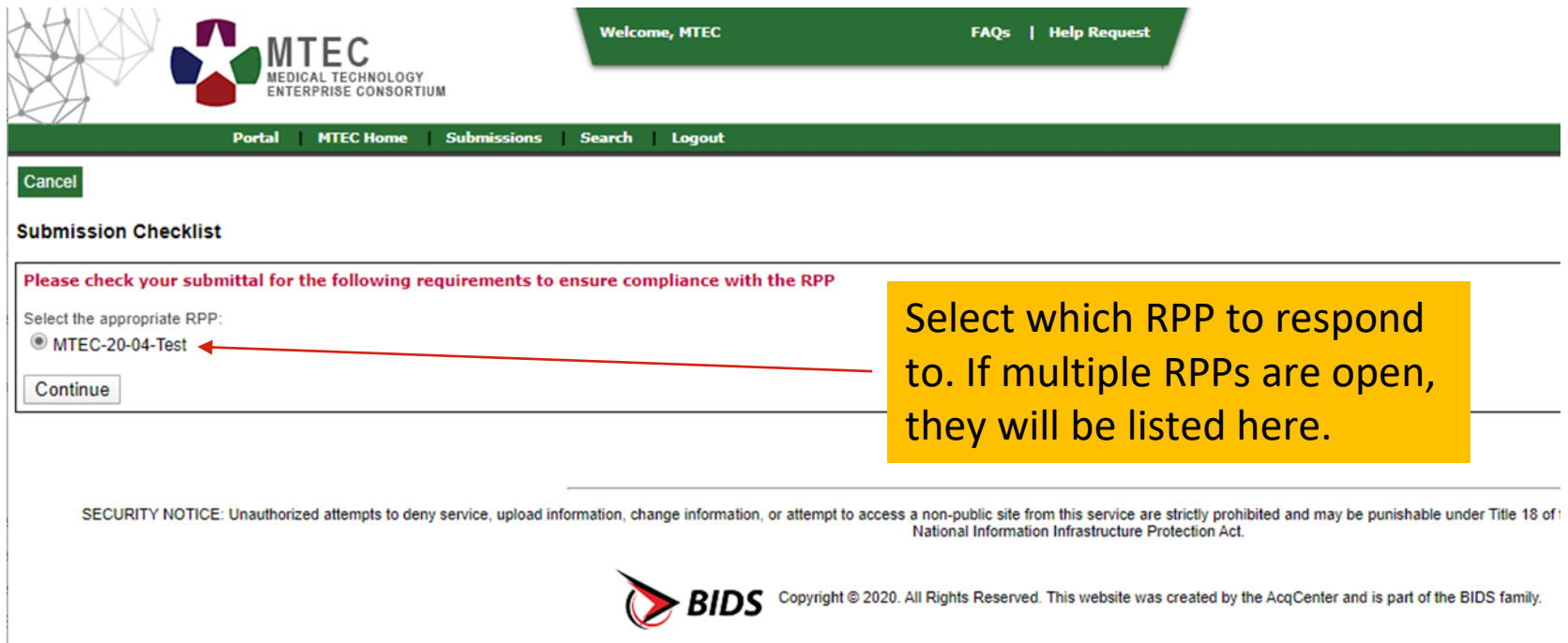
solicitation on this site, you must be a member of the MTEC Consortium. To verify your status, please visit: <https://mtec-sc.org/>

standing can submit in response to a solicitation. To verify your status, please visit: <https://mtec-sc.org/>

authorized attempts to deny service, upload information, change information, or engage in any activity prohibited and may be punishable under Title 18 of the U.S. Code, Chapter 115, Section 2385, Fraud and Abuse of Computer.

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Select which RPP you will be responding to.



The screenshot shows the MTEC submission checklist page. At the top, there is a green navigation bar with the MTEC logo and the text "Welcome, MTEC" and "FAQs | Help Request". Below this is a dark green bar with navigation links: "Portal", "MTEC Home", "Submissions", "Search", and "Logout". The main content area has a "Cancel" button and a "Submission Checklist" section. The checklist contains the text: "Please check your submittal for the following requirements to ensure compliance with the RPP". Below this, it says "Select the appropriate RPP:" and lists "MTEC-20-04-Test" with a radio button that is selected. A red arrow points from a yellow callout box to this radio button. A "Continue" button is located below the list. At the bottom of the page, there is a "SECURITY NOTICE" and the BIDS logo with the text "Copyright © 2020. All Rights Reserved. This website was created by the AcqCenter and is part of the BIDS family."

Cancel

Submission Checklist

Please check your submittal for the following requirements to ensure compliance with the RPP


Select the appropriate RPP:

MTEC-20-04-Test

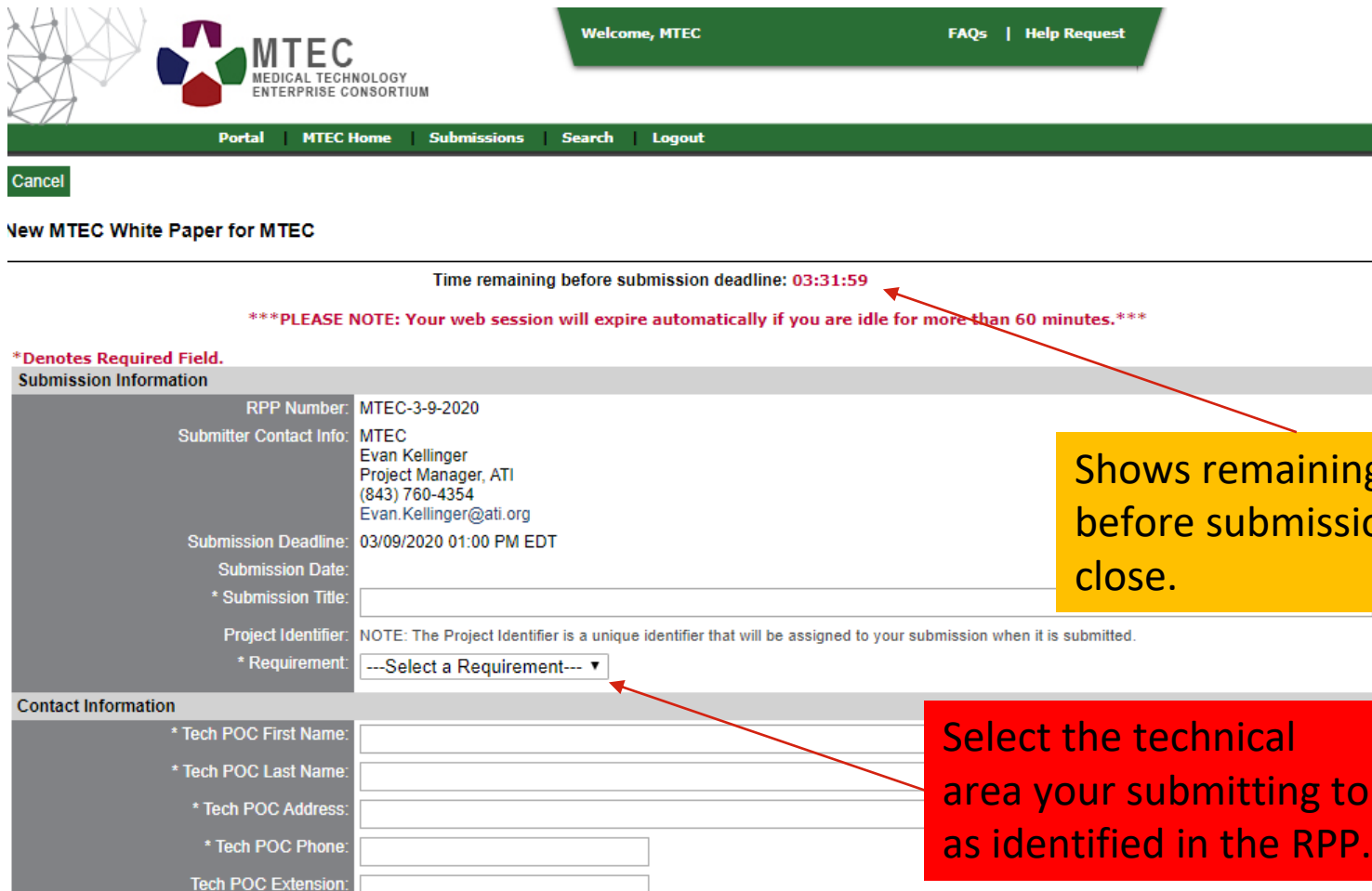
Continue

Select which RPP to respond to. If multiple RPPs are open, they will be listed here.

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Complete the submission form.



The screenshot shows the MTEC submission form interface. At the top, there is a green navigation bar with the MTEC logo and text: "Welcome, MTEC" and "FAQs | Help Request". Below this is a secondary green bar with navigation links: "Portal | MTEC Home | Submissions | Search | Logout". A "Cancel" button is visible on the left. The main content area displays "New MTEC White Paper for MTEC" and a countdown timer: "Time remaining before submission deadline: 03:31:59". A red note states: "***PLEASE NOTE: Your web session will expire automatically if you are idle for more than 60 minutes.***". A section titled "*Denotes Required Field." contains the "Submission Information" form. This form includes fields for "RPP Number" (MTEC-3-9-2020), "Submitter Contact Info" (MTEC, Evan Kellinger, Project Manager, ATI, (843) 760-4354, Evan.Kellinger@ati.org), "Submission Deadline" (03/09/2020 01:00 PM EDT), "Submission Date", "* Submission Title" (empty text box), "Project Identifier" (NOTE: The Project Identifier is a unique identifier that will be assigned to your submission when it is submitted.), and "* Requirement" (dropdown menu showing "---Select a Requirement---"). Below this is the "Contact Information" section with fields for "* Tech POC First Name", "* Tech POC Last Name", "* Tech POC Address", "* Tech POC Phone", and "Tech POC Extension". Two callout boxes provide instructions: a yellow box points to the timer with the text "Shows remaining time before submission close.", and a red box points to the requirement dropdown with the text "Select the technical area your submitting to as identified in the RPP."

Cancel

New MTEC White Paper for MTEC

Time remaining before submission deadline: 03:31:59

PLEASE NOTE: Your web session will expire automatically if you are idle for more than 60 minutes.

*Denotes Required Field.

Submission Information

RPP Number: MTEC-3-9-2020

Submitter Contact Info: MTEC
Evan Kellinger
Project Manager, ATI
(843) 760-4354
Evan.Kellinger@ati.org

Submission Deadline: 03/09/2020 01:00 PM EDT

Submission Date:

* Submission Title:

Project Identifier: NOTE: The Project Identifier is a unique identifier that will be assigned to your submission when it is submitted.

* Requirement: ---Select a Requirement---

Contact Information

* Tech POC First Name:

* Tech POC Last Name:

* Tech POC Address:

* Tech POC Phone:

Tech POC Extension:

Shows remaining time before submission close.

Select the technical area your submitting to as identified in the RPP.

Proposal Submission BIDS

Complete the submission form by uploading the required documents and click submit.

File Attachments	
Required Files:	White Paper No file uploaded Upload White Paper (Allowed file types: pdf, doc, docx; Size Limit: 5mb)
Agreements	
*Classified Information:	I certify no classified information is contained in the information being submitted. <input type="checkbox"/> Agree
*Submitter Agreement:	I understand The Government intends to use the Consortium Management Firm, ATI, to assist in the processing of Submitter's proposals to this RPP as indicated in the MTEC Base Agreement. The Consortium Management Firm shall take the necessary steps to protect all proprietary proposal information and shall not use such proprietary information for purposes other than the evaluation of a Submitter's proposal and the subsequent contract administration if the proposal is selected for award. A Submitter indicates concurrence with the aforementioned CMF responsibilities. Additionally, the Government (CSP) to assist in the submitted proposals' evaluation. The CSP will be required to submit to the Submitter reflecting the effort they will supply to support this RPP. The Submitter's submission of a proposal with the aforementioned Consortium Management Firm responsibilities and the use of CSP. Finally, the Consortium leadership may be provided, at their request, top-level data and metrics on submissions for their use in monitoring the effectiveness of submission processes and the level of participation by members in the RPP. Information will only be released with Government approval. A Submitter's submission under this RPP indicated concurrence with the aforementioned release of information to the Consortium leadership. <input type="checkbox"/> Agree

Upload documents in this section.

Submit

Once the submission form is completed select submit.

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Proposal Submission BIDS

Once you have successfully submitted a proposal, you will receive a notification with your submission number (ex. MTEC-23-24-Everest-045).

- Submission documents can be modified anytime prior to the due date and time from your BIDS account.
- To make changes to your submission, prior to the due date/time, select the submission link from the home page and navigate to your submission.

Please note: For RPPs that are two stages (i.e. White Paper to Full Proposal) only the account that submitted the stage 1 proposal (the White Paper) will be allowed to submit for stage 2 (the Full Proposal), if selected.

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