

Request for Project Information: MTEC-24-03-Dental

Request for Project Information (RPI)



RPI Number: MTEC-24-03-Dental

“Military Dental Research – Seeking New Technologies and Development Partners”

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: October 25, 2023

Project Information Paper Due Date: November 30, 2023

Noon Eastern Time

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The Medical Technology Enterprise Consortium (MTEC), in support of the Naval Medical Research Command (NMRC) Naval Advanced Medical Development (NAMD) program, is excited to post this Request for Project Information (RPI) focused on surveying the current state of engineering and medical prototypes, knowledge products, and manufacturing capacity related to military dental research.

PURPOSE OF THE PROJECT INFORMATION PAPER:

This Request for Project Information (RPI) contains background material and guidance for the preparation of project information papers to the MTEC. Project information papers will be reviewed by the Sponsor and used in a manner that shapes NAMD efforts in this technology space. The results of the project information paper submission will serve as a means to assess the development landscape and potentially focus efforts that will follow.

As a note: This RPI is issued solely for information and planning purposes and does not constitute a solicitation. Neither unsolicited proposals nor any other kind of offers will be considered in response to this RPI. Responses to this notice are not offers and will not be accepted by the government to form a binding contract or agreement. Responders are solely responsible for all expenses associated with responding to this RPI. All information received in response to this RPI that is marked “Proprietary” will be handled accordingly.

FOCUS AREAS OF INTEREST:

Due to the Navy and Marine Corps’ diverse warfighting capabilities, Sailors and Marines (and Joint Service members) operate in a vast array of challenging and austere environments. Their missions often require the suspension of regular oral hygiene and routine dental care which can result in the development of dental diseases and emergencies. Routine clinical dental care is necessary to maintain the resilience and readiness of the warfighter, and next generation biomedical products and solutions are required to maintain proper dental health and to treat, predict, and prevent dental diseases in challenging environments. Furthermore, combat injuries frequently result in significant damage to the oral maxillofacial region, leading to distinct consequences such as cosmetic alterations, functional impairments, and chronic orofacial pain. There is a pressing need for novel biomedical, engineering, and clinical devices and products that can effectively address these multifaceted consequences, while prioritizing long-term comprehensive care, to restore both physical and cosmetic aspects of the face and maxillofacial region. The specific focus areas of interest are as follows (not listed in order of importance):

- **Focus Area 1 - Evaluation of Technologies for Dental Care, Diseases, and Emergencies:**
The government is interested in technologies, devices, and methods for the prevention and treatment of dental and maxillofacial injuries and infections and orofacial pain

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occurring in a military population that often operates for extended periods of time in austere/extreme environments. This includes methods to provide routine clinical dental care, predict and prevent dental diseases (though molecular and computational methods), and treat dental diseases and emergencies in operational environments. This focus area also includes products or devices to treat injuries to the oral cavity, face, and facial bones sustained during combat (e.g., mandibular fractures, stabilizing facial burns, restoring functional aspects of the face and mouth, long-term post-trauma care, etc.). Proposed technologies should be at least at a Technology Readiness Level (TRL) of 5. Interested parties are encouraged to submit information papers using the template included in **Addendum 1 of this RPI**.

- **Focus Area 2 - Capabilities Areas of Expertise:** The government is interested in building relationships with partners to accomplish strategizing, planning, and prototype development activities for technologies that address dental care, diseases, and emergencies. These relationships would aim to translate new biomedical prototypes out of the laboratory (military or academic) setting and through the regulatory approval process, with ultimate applications for use by military dental clinicians and maxillofacial surgeons (especially the Navy and Marine Corps). Specific capabilities of interest include (but are not limited to):
 - Customization of dental care and maxillofacial surgical devices or adaptations for military use;
 - Ruggedization of maxillofacial surgical and dental care devices;
 - Manufacturing of dental care devices or materials (scale-up, initial production runs, etc.) that may include novel components such as micro- or nanoparticles and micro- or nanocapsules;
 - Investigational Device Exemption/Investigational New Drug (IDE/IND)-enabling studies required by the U.S. Food and Drug Administration (FDA) with specific indications for dental care and oral or maxillofacial surgery;
 - Conduct of clinical studies using prototypes in the areas of dental, oral, or maxillofacial restoration; or
 - Activities related to securing regulatory approval by the FDA with indications for dental care and/or maxillofacial surgery.

Project Information Papers should clearly describe expertise in each of the aforementioned areas as it relates to the dental research and combat injuries involving the maxillofacial region. Interested parties are encouraged to submit project information papers using the template included in **Addendum 2 of this RPI**.

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REQUIREMENTS OF THE PROJECT INFORMATION PAPER:

The intent of this RPI is to understand respondents' interest and technology capabilities within the abovementioned focus area. MTEC is seeking input from both MTEC members and non-members via a project information paper to be considered by the government. Project information papers will be shared with the reviewers under non-disclosure agreements.

Project Information Papers may be submitted at any time during the submission period but no later than the due date and time specified on the first page of this RPI using BIDS: <https://ati2.acqcenter.com/ATI2/Portal.nsf/Start?ReadForm>. See **Addendum 3 of this RPI** for further information regarding BIDS registration. **MTEC membership is NOT required for submission of Project Information Paper.**

MTEC:

The MTEC mission is to assist the U.S. Army Medical Research and Development Command (USAMRDC) and other government sponsors by providing cutting-edge technologies and effective materiel life cycle management to transition medical solutions to industry that protect, treat, and optimize Warfighters' health and performance across the full spectrum of military operations. MTEC is a biomedical technology consortium collaborating with multiple government agencies under a 10-year renewable Other Transaction Agreement (OTA), Agreement No. W81XWH-15-9-0001, with the U.S. Army Medical Research Acquisition Activity (USAMRAA). MTEC is currently recruiting a broad and diverse membership that includes representatives from large businesses, small businesses, "non-traditional" government contractors, academic research institutions and not-for-profit organizations.

POINTS OF CONTACT:

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

- Technical and membership questions should be directed to the MTEC Chief Science Officer, Dr. Lauren Palestrini, Ph.D., lauren.palestrini@ati.org
- All other questions should be directed to the MTEC Program Manager, Mr. Evan Kellinger, mtec-sc@ati.org

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Addendum 1 – Focus Area 1 Project Information Template

[3-page limit. Times New Roman 11 point (or larger), Single-spaced, single-sided, 8.5 inches x 11 inches). Smaller type may be used in figures and tables, but must be clearly legible. Margins on all sides (top, bottom, left, and right) should be at least 0.5 inch. These project information submissions will be shared with the Sponsor; therefore, all information must be **nonproprietary**. Project Information Paper should be submitted as a Word (*.doc or *.docx) document using the template provided in this RPI.]

Date: [Insert Date of Submission]

Title: [Insert descriptive title of project]

Point of Contact: [Insert name, organization, email address, phone number]

Technology: [Provide a clear description of why and how the proposed technology or project fits into the described focus area of this RPI. Describe how the technology addresses an unmet need in both military and civilian markets.]

Technology/Knowledge Readiness Level (TRL/KRL): [Please indicate the TRL/KRL stage in which the project will start as well as anticipated TRL/KRL level at project completion. NOTE: Full definitions of TRLs can be found [here](#). More information regarding KRLs can be found [here](#).]

Readiness Level at Project Start:

Readiness Level at Project End:

Preliminary Data: [Summarize the preliminary data that supports the current TRL designation.]

Next Steps: [Outline development goals and objectives for the proposed technology in sufficient detail to show a clear course of action. Provide a proposed period of performance. List milestones and deliverables from the proposed work.]

Anticipated Regulatory and Commercialization Strategy: [Provide a brief description of the anticipated regulatory pathway and commercialization plans, as applicable. Include information on any previous interactions with the FDA.]

Anticipated Outcomes: [Provide a description of anticipated outcomes from the proposed work.]

Personnel: [Briefly state the qualifications of the key personnel to perform the work.]

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Estimated Funding Required to Advance Project: [Please estimate the required funding needed for each major task that advances the project into its next stage of development/milestone dependent upon its current maturity. Examples of tasks include, but are not limited to:

- late animal testing and regulatory filing;
- the next clinical trial;
- device manufacturing; etc.

Do not provide budget detail – only provide a total estimated budget for each major milestone. This information will be used to provide the Sponsor with a reasonable representation of the amount of funding required to advance the project.

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Addendum 2 – Focus Area 2 Project Information Template:

[3-page limit. Times New Roman 11 point (or larger), Single-spaced, single-sided, 8.5 inches x 11 inches). Smaller type may be used in figures and tables, but must be clearly legible. Margins on all sides (top, bottom, left, and right) should be at least 0.5 inch. These project information submissions will be shared with the Sponsor; therefore, all information must be **nonproprietary**. Project Information Paper should be submitted as a Word (*.doc or *.docx) document using the template provided in this RPI.]

Date: [Insert Date of Submission]

Title: [Insert descriptive title of project]

Point of Contact: [Insert name, organization, email address, phone number]

Organizational Background: [Briefly outline any relevant background information on your organization.]

Approach: [Briefly describe your approach to working with laboratory scale technologies and advancing them through the regulatory process for ultimate commercialization. Include any previous experience working with the FDA.]

Capability Areas of Expertise: [Indicate the capability areas that your organization has expertise in related to the dental field (check all that apply):

- ☐ Customization
- ☐ Ruggedization
- ☐ Manufacturing (scale-up, initial production runs, etc.)
- ☐ IDE/IND-enabling studies required by the U.S. Food and Drug Administration (FDA)
- ☐ Conduct of clinical studies
- ☐ Activities related to securing regulatory approval by the FDA
- ☐ Other (please specify): _____

Expertise and Experience:

- For each capability area checked above, describe the organization's expertise, facilities, equipment, and other relevant resources as it relates to dental prototype development.
- Briefly describe the experience of the key personnel, partner organizations, and associated subject matters experts that have expertise in dental prototype development projects as it relates to the capability areas.

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- Identify any work of a similar nature that could be used to enforce your organization's capabilities in support of dental prototype development and advancement through the regulatory process.
- Include relevant example prototypes that you have worked with specific to dental care, diseases, and emergencies.

Addendum 3 – BIDS instructions:


THIS PAGE IS INTENTIONALLY LEFT BLANK. PLEASE SEE THE PRESENTATION BELOW.

MTEC BIDS REGISTRATION

MTEC BIDS URL:

[HTTPS://AT12.ACQCENTER.COM/AT12/PORTAL.NSF/START?READFORM](https://at12.acqcenter.com/at12/portal.nsf/start?readform)

BIDS New Registration



ATI
ADVANCED TECHNOLOGY INTERNATIONAL

Welcome, Anonymous [Help Request](#)

Portal

Information
[Privacy Notice](#)
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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 Help](#)
Request help about this site.

[Request Help](#)
Request website help.

Select "New Registration" from the home screen.

BIDS New Registration



Welcome, Anonymous [Help Request](#)

Portal

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.

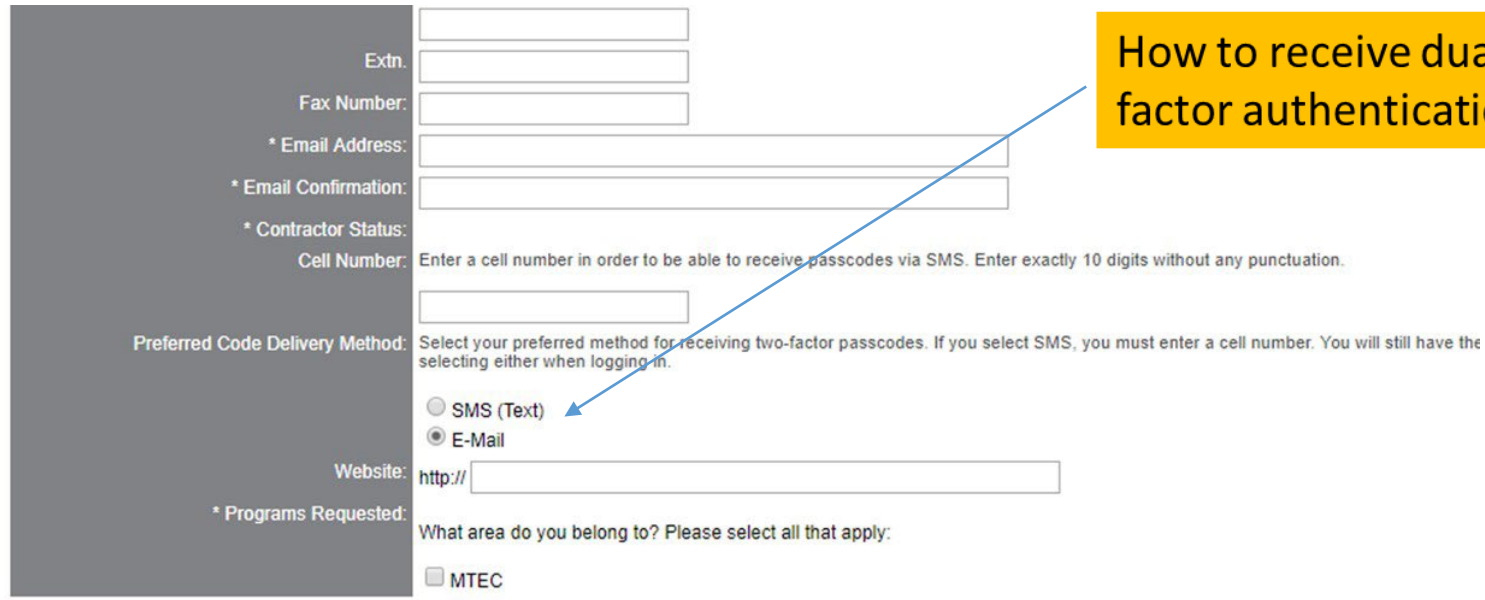
SECURITY NOTICE: Unauthorized attempts to deny service, upload information, change information, or attempt to access a non-public site from this service are strictly prohibited and may be punishable under Title 18 of the U.S. Code to include the Computer Fraud and Abuse Act of 1986 and the National Information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



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BIDS New Registration

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



The registration form is displayed on a grey background. It includes fields for phone numbers, email addresses, contractor status, cell number, preferred code delivery method (SMS or E-Mail), website, and programs requested. A blue arrow points from a yellow callout box to the 'SMS (Text)' radio button.

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 .

Submit Registration

Select "Submit Registration" to complete BIDS 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.

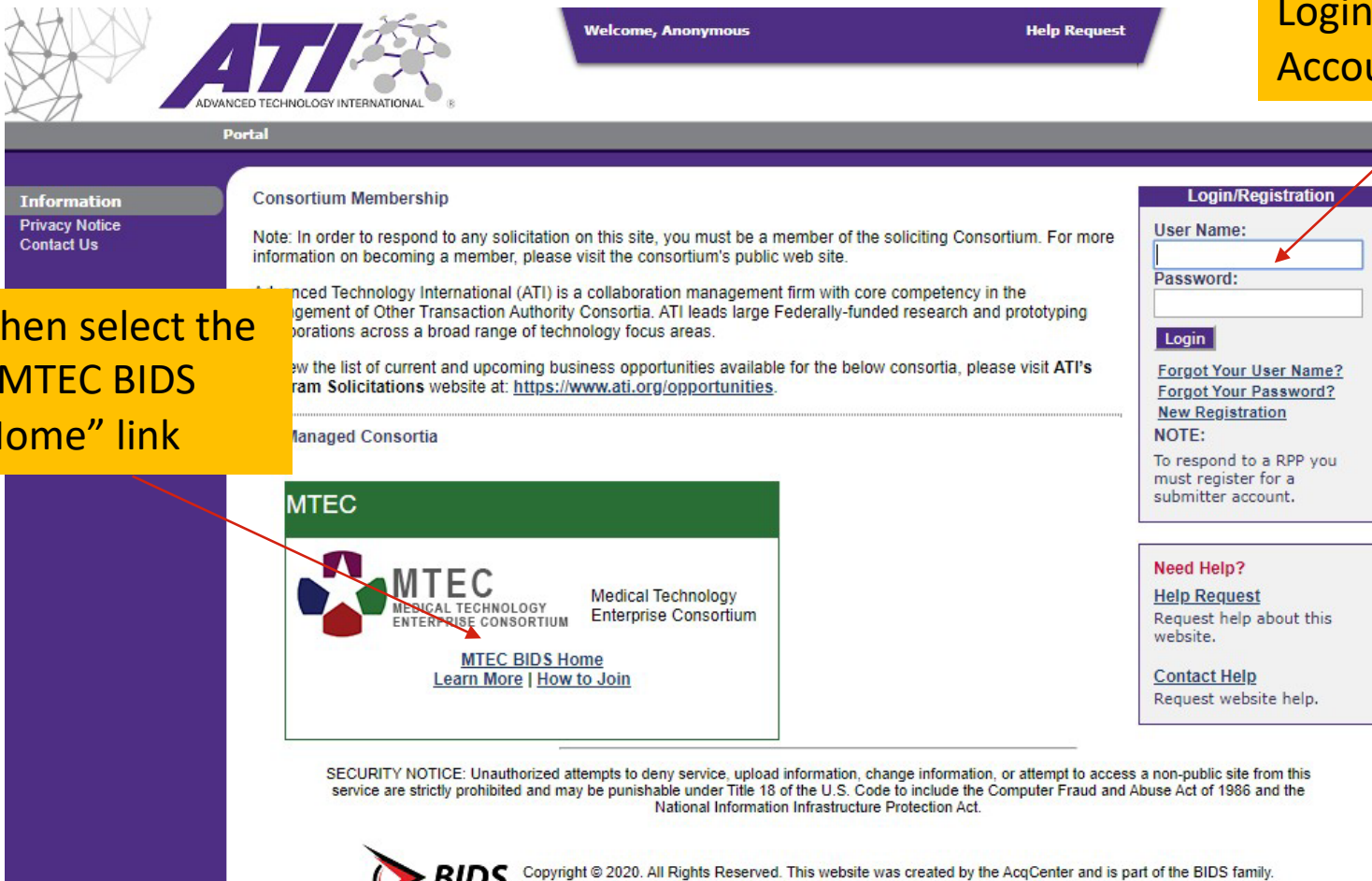
MTEC BIDS PROPOSAL SUBMISSION

MTEC BIDS URL:

[HTTPS://ATI2.ACQCENTER.COM/ATI2/PORTAL.NSF/START?READFORM](https://ati2.acqcenter.com/ati2/portal.nsf/start?readform)

Proposal Submission BIDS

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 purple banner with the text "Welcome, Anonymous" and a "Help Request" link. Below this, the "Portal" section is visible. On the left, there is a sidebar with "Information" links: "Privacy Notice" and "Contact Us". The main content area is titled "Consortium Membership" and contains a note about becoming a member. Below this, there is a section for "Managed Consortia" which features the MTEC logo and the text "MTEC Medical Technology Enterprise Consortium". A red arrow points from a yellow box to the "MTEC BIDS Home" link in this section. Another red arrow points from a yellow box to the "User Name:" input field in the "Login/Registration" section. The "Login/Registration" section includes fields for "User Name:" and "Password:", a "Login" button, and links for "Forgot Your User Name?", "Forgot Your Password?", and "New Registration". A "NOTE" section below these links states: "To respond to a RPP you must register for a submitter account." At the bottom, there is a "Need Help?" section with links for "Help Request" and "Contact Help". A "SECURITY NOTICE" is displayed at the very bottom of the page.

Then select the “MTEC BIDS Home” link

Login to your BIDS Account.

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.

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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>.

Managed Consortia

MTEC
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 submitter account.

Need Help?
[Help Request](#)
Request help about this website.
[Contact Help](#)
Request website help.

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.

Proposal Submission BIDS

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

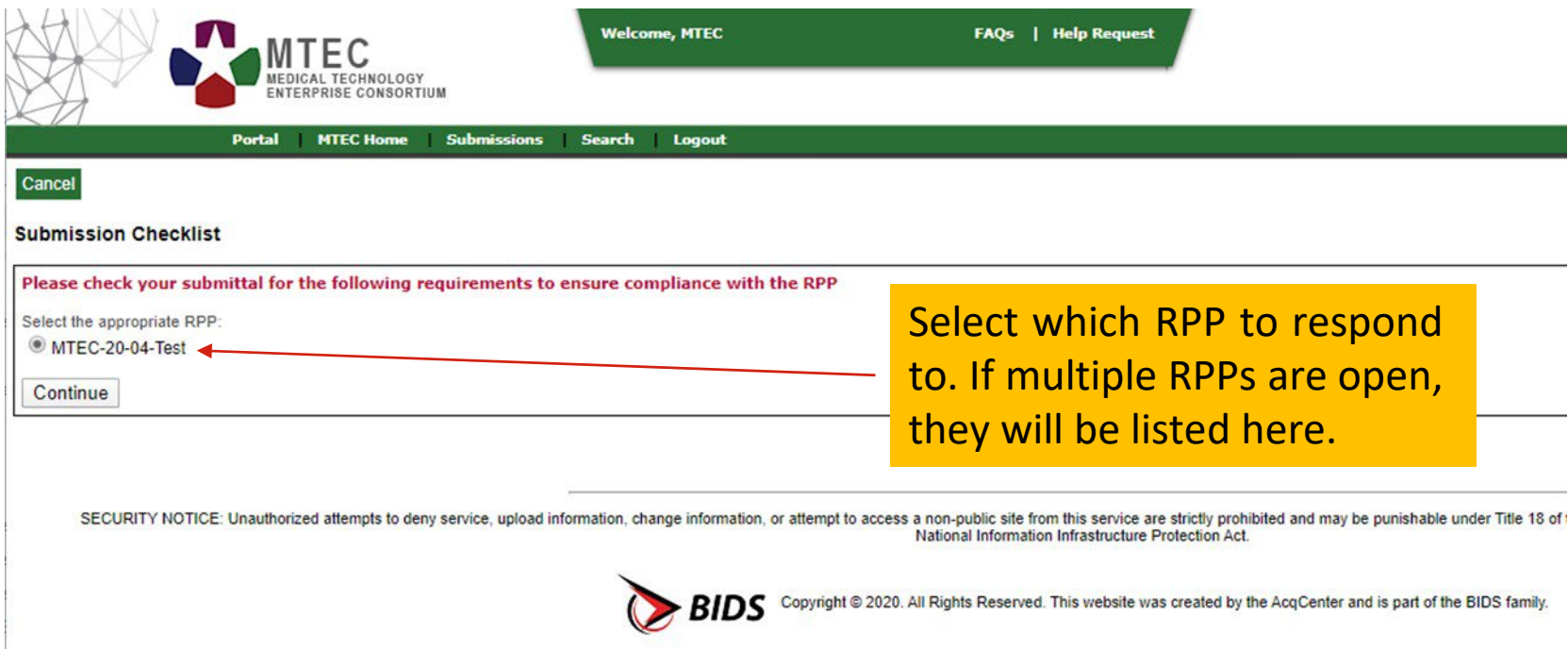
The screenshot shows the MTEC (Medical Technology Enterprise Consortium) website. The header includes the MTEC logo and navigation links: Portal, MTEC Home, Submissions, Search, and Logout. The left sidebar contains sections for Submitter Tools (Respond to RPP, Submissions, Search, Archives, My Submissions), Account Center (Edit My Account, Change Password, Logout), and Information (Privacy Notice, Reference Materials, Portal). The main content area displays 'RPPs - Open' with two announcements. The first announcement, dated January 27, 2020, states that the RPP (MTEC-20-04-Test) was released and provides a link to the solicitation: <https://private.mtec-sc.org/>. The second announcement, dated January 22, 2020, provides government feedback for initial submissions and also includes the same link. Below the announcements is a section for the Medical Technology Enterprise Consortium, which describes the consortium's mission and lists five technical areas: Military Infectious Diseases Research Program (MIDRP), Combat Casualty Care Research Program (CCCRP), Military Operational Medicine Research Program (MOMRP), Clinical and Rehabilitative Medicine Research Program (CRM RP), and Medical Simulation and Information Sciences Research Program (MSISRP). A yellow callout box with an arrow pointing to the 'Respond to RPP' link in the sidebar contains the text: 'Click the link to respond to an RPP.' Another yellow callout box with an arrow pointing to the link in the first announcement contains the text: 'RPP information is provided in this section. This includes status updates.' A third yellow callout box with an arrow pointing to the link in the second announcement contains the text: '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.

Once logged in, your username will appear here.

Select which RPP you will be responding to.



The screenshot shows the MTEC Submission Checklist page. At the top, there is a green header bar with the MTEC logo on the left and navigation links: "Welcome, MTEC", "FAQs", and "Help Request". Below this is a dark green navigation bar with links: "Portal", "MTEC Home", "Submissions", "Search", and "Logout". The main content area has a "Cancel" button at the top left. Below it is the "Submission Checklist" section. A red heading reads: "Please check your submittal for the following requirements to ensure compliance with the RPP". Under this, it says "Select the appropriate RPP:" followed by a radio button selected next to "MTEC-20-04-Test". A red arrow points from a yellow callout box to this radio button. A "Continue" button is at the bottom of the checklist section. At the bottom of the page, there is a "SECURITY NOTICE" and the BIDS logo with copyright information.

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.



MTEC
MEDICAL TECHNOLOGY
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Welcome, MTEC

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[Portal](#) |
 [MTEC Home](#) |
 [Submissions](#) |
 [Search](#) |
 [Logout](#)

[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:	<input type="text"/>
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:	<input type="text"/>
* Tech POC Last Name:	<input type="text"/>
* Tech POC Address:	<input type="text"/>
* Tech POC Phone:	<input type="text"/>
Tech POC Extension:	<input type="text"/>

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:	<p>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.</p> <p>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.</p> <input type="checkbox"/> Agree
<input type="button" value="Submit"/>	

Upload documents in this section.

Once the submission form is completed select submit.

SECURITY NOTICE: Unauthorized attempts to deny service, upload, or otherwise manipulate data on this site are strictly prohibited and may be punishable under Title 18 of the U.S. Code to include, but not limited to, the Computer Fraud and Abuse Act.

Information on this site is not to be released to the public and is a non-public site from this service are strictly prohibited and may be punishable under Title 18 of the U.S. Code to include, but not limited to, the National Information Infrastructure Protection Act.

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).

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.