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Industry Day

Rapid Innovation Call - August 3, 2021

August 3, 2021

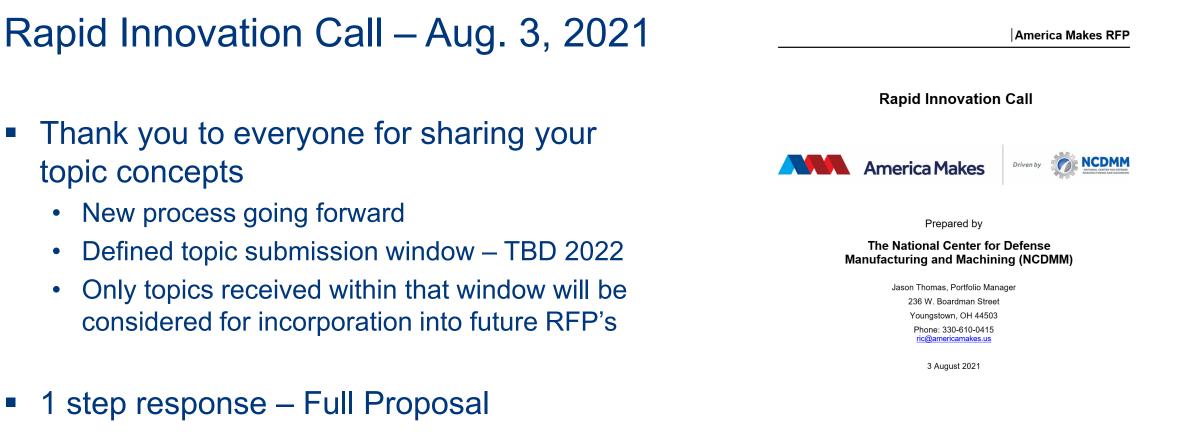
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Shortened proposal response format

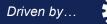
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Schedule	Event	Date
Concate	Project Call Announcement and Posting	08/03/2021
	Industry Day – TRX at Ohio State University 2021 – Registration Required - https://www.americamakes.us/trx-osu-21/	08/03/2021
	Questions from Proposers about Scope or Approach Due	08/12/2021
	Responses to Proposers about Scope or Approach Due	
	(All questions and responses will be shared with all proposers on www.americamakes.us)	08/16/2021
	Deadline for proposal lead and team members receiving federal award funding to complete a fully executed America Makes Membership Agreement	08/19/2021
	Fully Executed NDA with NCDMM (only if proposal contains proprietary information)	08/19/2021
	Full Project Proposal Submission Due Date (Note: No Concept Paper Submission)	09/02/2021
	Anticipated Decision and Notification to Project Proposal Teams	09/20/2021
	Anticipated Date to have ALL Projects on Contract	11/01/2021
	All project finalized reports and deliverables received no later than	05/27/2022







RIC 2021 – At least 5 awards anticipated

Funding Description	Amount
Total Federal Funding Available (not per award)	\$500,000
Max. Federal Award Per Proposal	\$100,000
Minimum Cost Share (percentage of federal award amount requested per proposal)	Topic 2 - 25% minimum All others – 0% minimum
Maximum Allowed Period of Performance (PoP) – shorter periods are acceptable	7 Months (5 months execution and 2 months reporting) – no extensions will be considered



Topics

- Topic 1: Understanding Build Interruptions via AM Monitoring Methods
- Topic 2: AM Part Families for Product Q&C
- Topic 3: Defect Detection and Mitigation via Hybrid AM
- Topic 4: Characterization of Transient Phenomena Impacting In-situ Molten Pool Temperature Measurement for AM of Reactive Metals
- Topic 5: Advancing Lightweight Design for AM of Thin Walls and Struts
- Topic 6: Internet of Things (IoT) Technologies to Enhance AM Product Performance





Eligibility (excerpt from RFP)

- All team members receiving federal award funding are current members of America Makes and in good standing by Thursday, August 19, 2021. Information on how to join America Makes is available at www.americamakes.us/membership.
- Cost share accrued in this project may also be applied towards membership, as with other project calls. However, cost-share proposed on a future project cannot be counted towards a new America Makes membership. To become a member by the aforementioned deadline, organizations shall commit to a cash payment and / or complete an @Program MOU.
- Non-America Makes members may contribute to contract execution via cost share.
- Any non-America Makes members contributing to proposed effort execution are not permitted to participate in project team discussions until completing a fully executed America Makes Membership Agreement.
- The lead Proposer is fully responsible for all project and subcontract performance.
- The lead Proposer shall be registered in U.S. System for Award Management (SAM) and have a cage code and duns number before submitting a proposal.





Considerations which should be addressed in responses

- **Project Team Appendix:** The Project Team Appendix shall contain biographies and relevant experience of key team staff and management personnel. Describe the qualifications and relevant experience of the types of staff that would be assigned to this project by providing biographies for those staff members.
- Each participating team member should identify if their respective organization is or is not an America Makes member. A description of how project team discussions, data, etc. will be firewalled from non-America Makes members shall be defined.
- Any foreign persons conducting work on the project shall be declared within the Project Team Appendix. Any project activities occurring outside of the U.S. or by non-U.S. persons must be reported and approved by the America Makes Program Management Office.
- Project Delivery and Management Approach
 - The degree to which the project plans to obtain or leverage various team member skills or resources, the necessity and value of including non-America Makes members (capability, capacity, specialized expertise), and the credibility of that plan to ensuring on-time production of the deliverables



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Proposal and Contracting Information

- Executive Summaries must contain information which is publicly releasable, nonproprietary
 - Purpose
 - To aid in America Makes public release process for award announcement
 - To demonstrate impact and merits of Institute's efforts to the public
- No fee allowed
- Cover page should include DUNS and CAGE of at least team lead
- Teams must submit additional information to accelerate contracting
 - Sub-recipient agreement will be included in RFP, must be reviewed and any requested changes be sent in with proposal
 - No response certifies agreement as is upon award
 - Otherwise, award will be canceled

Minimum Deliverables

Minimum Deliverables	Timeline
Written Final Report	Due on or prior to end of proposed period of performance or May 27, 2022 (whichever occurs first,
-minimum one round of revisions completed with PM/NCDMM prior to final submission	non-negotiable deadline, no extensions will be considered)
 – complete first draft shall be submitted to PM/NCDMM no later than conclusion of month five of proposed effort 	
TRX, MMX, webinar, or other America Makes hosted forum to brief membership	one presentation
Financial and man-hour reports	Monthly
Lead organization shall participate on at least one working group, advisory group, steering committee, etc. relevant to the subject matter of the project.	Minimum of one presentation outlining all deliverables (CDIP, associated tangible artifacts, and associated roadmap requirements), KPP's, and data management plan within 60 days of project start date.
	Minimum of one presentation of milestone achievements, KPP's, and lessons learned relevant to the fulfillment or creation of roadmap requirements within 60 days of PoP end date.
	Hours attending and participating in meetings or activities shall be tracked and reported
Data Management Plan, Key performance parameters (KPP's), Planned project deliverables list with corresponding (existing/ new)	Draft at time of proposal
Technology/ Education & Workforce Development (EWD) Roadmap Requirements	Final 60 days after project start date



Reporting

- One project briefing at America Makes Members Meeting and Exchange (MMX), Technical Review and Exchange (TRX), an America Makes hosted forum and/or an online webinar.
- One presentation to a chartered group (advisory, working, committee, etc.) relevant to the focus of the project which outlines all deliverables (CDIP, associated tangible artifacts, and associated roadmap requirements), KPP's, and data management plan within 60 days of project start date.
- One presentation to a chartered group (advisory, working, committee, etc.) relevant to the focus of the project which outlines milestone achievements, KPP's, and lessons learned relevant to the fulfillment or creation of roadmap requirements within 60 days of end of PoP.
- Data Management Plan, Key performance parameters (KPP's), planned project deliverables list with corresponding (existing/new) Technology/EWD Roadmap requirements finalized and documented within 60 days of project start date
- Review of Data Management Plan and execution 60 days prior to end of PoP
- Virtual monthly team meetings that include the NCDMM PM, Roadmap Advisory Group members, other relevant chartered group members or committee members, and Government Technical advisors that are assigned post award as necessary or as agreed upon by lead organization/NCDMM/government technical advisors
- Reports, presentations, or teleconferences upon request by NCDMM or AFRL
- Complete first draft of final report shall be submitted to NCDMM no later than conclusion of month five of proposed effort
- Finalized, written report (minimum one round of revisions with NCDMM required before final submission)





Evaluation Criteria

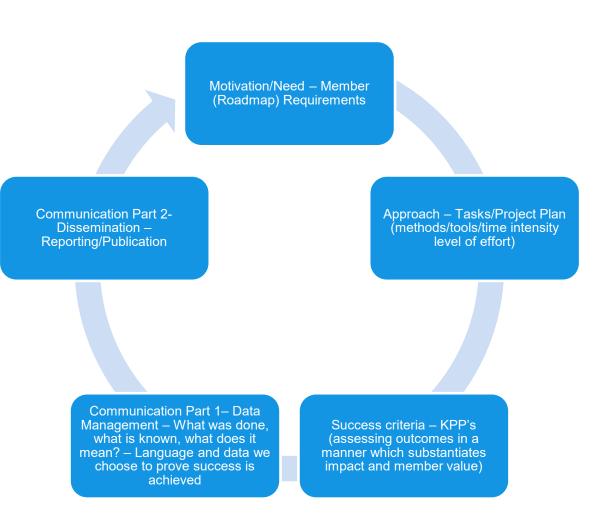
- Executive Summary (Executive summary is not scored but will be considered as part of the overall value proposition of the proposal.)
- Technical Approach (30%)
- Project Delivery and Management Approach (70%)
- Cost (Cost and cost share are not scored but will be considered as part of the overall value proposition of the proposal.)



Why Data Management/Deliverables/KPP's/Roadmap Alignment?

- Fundamental components of a project
 - Idea
 - Approach
 - Goals -How do we know we are successful?
 - What information will prove this and how is it done in a manner everyone can follow and accept
 - How will we share this great news?

ALL OF THIS IS VITAL TO OUR IMPACT



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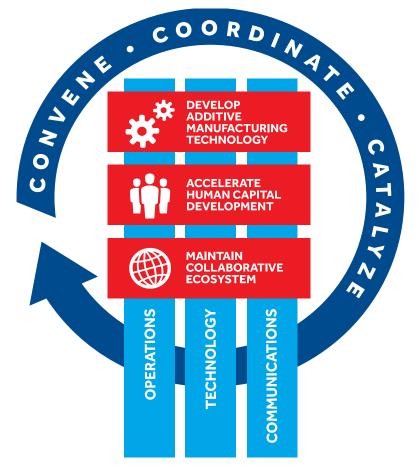
Overview

The three core activities of the Institute are:

- Develop Additive Manufacturing Technology:
 Projects, Innovation, Technology Transfer, Implementation
- Accelerate Human Capital Development: Workforce, Education, Training, Outreach
- Maintain Collaborative Ecosystem: Government, Membership, Community

These focus areas are enabled by:

- **Operations:** Run by a not-for-profit organization with a lean and collaborative structure
- **Technology:** A dynamic advanced manufacturing technology including the core AM technologies as well as supporting technologies like the digital thread, standards, etc.
- **Communications:** Spreading the word to government, members, stakeholders, community



Working Group Participation (ENGAGEMENT)

- THIS EXISTING MECHANISM IS AN EFFECTIVE MEANS OF ENGAGEMENT FOR EVERY MEMBER
- Under utilized communication and collaboration pathway
- Purpose
 - Support execution of roadmap efforts and enrich Institute goal of capturing needs and voice of industry
 - No effort executed by the Institute is done without a purpose
 - Participation is an opportunity

America Makes

- Address fundamental components of any project (data management, KPP's, and roadmap requirement alignment)
- Gather SME feedback and drive consensus on arriving at solutions which all members agree is valuable, meaningful, and meets the minimum expectations of the AM industry
- DEFINING IMPACT IS EVERYONE'S RESPONSIBILITY
- WE MUST CLOSE THE LOOP!
- Goal
 - Coordination/Collaboration
- Execution
 - Presentations, bi-weekly discussions
 - Discussion of project elements CDIP, KPP's, Data Management, Requirement Alignment/Generation
 - Peer review/consultation

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When America Makes **America Works**







