United States Coast Guard
U.S. Department of Homeland Security

08 SEP 2020
FM: CHDIRAUX
TO: ALAUX
ALAUX 026/20

Subj: SOLICITATION FOR RESEARCH DEVELOPMENT TEST AND EVALUATION (RDT&E)
      IDEAS

1. All Auxiliarists are encouraged to read the following ALCOAST 321/20 which invites Auxiliary submissions of Coast Guard research project ideas for the Coast Guard's Fiscal Year 2022 (FY22) Research, Development, Test, and Evaluation (RDT&E) project portfolio. (Please note that if you do not have access to the dot-mil domain, you may not be able to set up a CG_Ideas@Work account, however you will still be able to submit your ideas via email per paragraph 2. of the ALCOAST.)

> Respectfully,
> Captain Scott L. Johnson
> Chief Director of Auxiliary (CG-BSX)

R 271021 AUG 20
FM COMDT COGARD WASHINGTON DC//CG-9//
TO ALCOAST
UNCLAS //N03900//
ALCOAST 321/20
COMDTNOTE 3900
SUBJ: SOLICITATION FOR RESEARCH DEVELOPMENT TEST AND EVALUATION (RDT&E) IDEAS
1. The Research, Development, Test & Evaluation (RDT&E) and Innovation Program invites all military, civilian, reserve, auxiliary, and contractor personnel to submit research project ideas for the FY22 RDT&E Project Portfolio. Visit the Coast Guard's crowdsourcing platform, CG_Ideas@Work (https://cg-ideasatwork.ideascalegov.com), and submit ideas directly to: https://cg-ideasatwork.ideascalegov.com/a/ideas/recent/campaigns/1078.
2. If you do not yet have a CG_Ideas@Work account, you can easily register using your '.mil' email address to access the platform from any personal or Coast Guard device. If you are unable to access the idea submission form, please submit your idea via email to: research@uscg.mil including your idea title, a short summary, and your contact information.
3. The deadline to submit ideas for the FY22 RDT&E Project Portfolio is 11 SEP 2020. Project ideas will be reviewed and ranked by stakeholders from across the service at an Idea Submission Review in 1st Quarter FY21.
4. The Coast Guard's senior leadership has identified the following research priorities:

a. Growing Advanced Computing Capabilities to Maximize Readiness. How can we apply artificial intelligence, machine learning, and advanced analytics to manage risk and make decisions based on data?

   b. Continued Development of Mobile Solutions to Deliver Mission Excellence Anytime, Anywhere. What mobile-enhanced tools can we provide to our members to improve the Coast Guard's operational impact and mission support delivery?

   c. Utilize Autonomous Systems to Address the Nation's Complex Maritime Challenges. How can we integrate unmanned aerial systems (UAS), unmanned surface vehicles (USV), and unmanned underwater vehicles (UUV) to improve operational safety, effectiveness, and efficiency?

   d. Strengthen Resilience, Safety, and Security of Coast Guard systems and personnel to Deliver Mission Excellence Anytime, Anywhere. What tools or ways of doing business can improve our members' safety and security and position the Coast Guard to take on complex and difficult to predict challenges like COVID-19 and emerging cyber threats?

   e. Develop Human Machine Teaming to Maximize Readiness. How can we manage the relationship between our people and automated systems in a way that maximizes the capabilities of humans and machines while guarding against complacency and the loss of key skills?

   f. Maximize Readiness Today and Tomorrow by Enhancing C5I capabilities. What command, control, communications, computers, cyber, and intelligence capabilities can we put in the field to make the Coast Guard more ready and more agile?

5. Not all great ideas fit in the priorities above. All potential research project ideas will be reviewed and considered. Your ideas and input are requested. For inspiration, check out the current RDT&E Project Portfolio and website here: www.dcms.uscg.mil/acquisition/rdte.

6. POC: Ms. Alexandra Swan, COMDT (CG-926), at: 202-309-8255 or Alexandra.P.Swan@uscg.mil.

7. RADM M. J. Johnston, Assistant Commandant for Acquisition and Chief Acquisition Officer, sends.

8. Internet release is authorized.

For many reasons including the value of keeping communication lines clear and open as well as facilitating access to training and educational tools, all Auxiliarists are urged to have their own email address and to keep it updated in AUXDATA.

---

*All ALAUX's are posted on the Chief Director of Auxiliary web site located at: CHDIRAUX ALAUX

If you have a question regarding this ALAUX, please seek resolution within your Chain of Leadership and Management (COLM) including up to your servicing District Director of Auxiliary (DIRAUX). If your question still cannot be resolved after that, then please email CGAUX@uscg.mil.