

**Special Notice (SN) DARPA-SN-25-56**  
**Reengineering Enabling Sleep Transitions in Operationally Restrictive Environments**  
**(RESTORE)**  
**Proposers Day**  
**March 14, 2025**

The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is sponsoring a Proposers Day to provide information to potential proposers on the objectives of an anticipated Broad Agency Announcement (BAA) for the Reengineering Enabling Sleep Transitions in Operationally Restrictive Environments (RESTORE) program. The Proposers Day will be held on March 14, 2025, from 9:00 a.m. to 12:30 p.m. (Eastern Time) in Arlington, VA. The event will be webcast for those who would like to participate remotely. Advance registration is required for attending the Proposers Day in person and viewing the webcast. All times listed in this announcement and on the registration website are Eastern Time.

The goals of the RESTORE Proposers Day are to: (1) introduce the research community (industry, academia, and Government) to the RESTORE program vision and goals; (2) explain the mechanics of a DARPA program and the milestones of this particular effort; and (3) encourage and promote teaming arrangements among potential organizations that have the relevant expertise, facilities, and capabilities for executing a research and development program responsive to the RESTORE program goals.

DARPA anticipates releasing the RESTORE BAA in March 2025. If released, the BAA will be available on <https://sam.gov/> and <http://www.grants.gov/>. Following the Proposers Day, DARPA may post the presented materials on the DARPA website.

To maximize the pool of innovative proposal concepts, DARPA strongly encourages participation by nontraditional proposers (including small businesses, academic and research institutions, and first-time government contractors) in events such as this and any subsequent solicitation.

#### **PROGRAM OBJECTIVE AND DESCRIPTION**

The RESTORE program seeks to demonstrate precision control of sleep macro- and microarchitectures to optimize cognitive performance following sleep restriction, a common occurrence in combat operations. Service member responsibilities frequently result in less than 3 hours of sleep during combat and less than 6 hours during regular duty, which can significantly impair their performance and effectiveness. Warfighters are often prescribed hypnotics to help them sleep and stimulants to improve daytime performance, both of which have significant drawbacks and risks in operational environments, including impaired cognitive function, rebound insomnia, and a high potential for misuse.

To address this challenge, RESTORE will leverage recent advancements in noninvasive neuromodulation to develop innovative solutions for enhancing sleep efficiency to maintain cognitive performance under sleep-restricted conditions. Recent breakthroughs in noninvasive neuromodulation have enabled the targeting of specific brain regions and patterns that drive distinct sleep stages, allowing for unprecedented control over the entire sleep cycle. By building on these developments, RESTORE aims to precisely regulate and optimize multiple stages of sleep, surpassing the limitations of single-stage stimulation and unlocking the full

potential of sleep for cognitive restoration. Combining noninvasive neuromodulation with advances in sensory stimulation will allow for precision control of sleep macro- and microarchitectures to enable optimal sleep quality and cognitive function. This will provide a safer and more effective alternative to traditional medications for maintaining cognitive performance in operational environments where sleep is limited, thereby enhancing the readiness, resilience, and performance of military service members in these challenging conditions.

## **SIDEBAR**

From 11:30 a.m. and 12:30 p.m., the DARPA Contracts Management Office will be hosting a virtual-only sidebar targeting proposer contracting personnel to answer any questions and provide additional information on how to propose to the forthcoming solicitation. Attendees must register per the instructions below.

## **REGISTRATION INFORMATION**

The RESTORE Proposers Day will be held on March 14, 2025, from 9:00 a.m. to 12:30 p.m. Arlington, VA. There is no registration fee for the Proposers Day meeting or webcast.

**Registration opens:** As of publication of this announcement.

**Registration website:** <https://events.sa-meetings.com/RestoreProposersDay>

**Registration closes (in person attendance):** March 11, 2025, at 5:00 p.m. or when capacity is reached, whichever comes first.

**Registration closes (webcast):** March 11, 2025, at 5:00 p.m. or when capacity is reached, whichever comes first.

Advance registration via the above website is required for attending the Proposers Day in person and for receiving access to the webcast. The advance registration requirement applies to every individual intending to view the webcast alone or as part of a group.

Due to the limitations of the conference facility space, in-person attendance is restricted to the first 136 registrants with a maximum of five (5) individuals from any one organization and no more than two (2) representatives per division/department of that organization. Interested parties are encouraged to coordinate attendance internally within their organizations prior to registration.

Registrants in excess of the maximum capacity limitations (136 for in-person attendance and 350 individuals for the webcast) may be added to a waitlist. Individuals who are unable to register for in-person attendance because the deadline has passed or capacity has been reached may have the option of choosing to be added to the waitlist OR registering for attendance via webcast. If slots become available due to cancellations, the slots may be filled on a first come, first served basis from the waitlist.

DARPA encourages participants to register a contracting representative to attend the Proposers Day webcast and participate in the sidebar with the DARPA Contracts Management Office from 11:30 a.m. and 12:30 p.m..

## **ELIGIBILITY**

DARPA hosts Proposers Days to: (1) promote teaming arrangements between researchers; (2) provide potential proposers with information on whether and how they might respond to the

Government's research and development solicitations; and (3) increase efficiency in proposal preparation and evaluation. Therefore, Proposers Days are only open to registered potential proposers, i.e., the events are closed to the general public and media. For this particular program, Proposers Day registration is open to potential proposers who are U.S. citizens, U.S. permanent residents, and foreign nationals.

All registrants who are not U.S. citizens must complete and submit either a DARPA Form 60 (U.S. Permanent Resident and Foreign National Visit Request – e.g., industry or academia) or an Official Visit Request (foreign government personnel, only) through their country's embassy based in Washington, DC, no later than 5:00 p.m. on March 7, 2025. Form 60 submission instructions are provided on the registration website and in the registration confirmation email. Contact your Embassy staff for assistance in submitting the Official Visit Request. Upon entry to the physical meeting, all attendees must present valid, Government-issued photo identification.

### **Q & A**

Administrative, technical, and contractual questions about the RESTORE program should be emailed to [RESTORE@darpa.mil](mailto:RESTORE@darpa.mil). All questions must be in English and must include the name and email address of a point of contact. Following Proposers Day, DARPA may post an FAQ list on the DARPA website.

### **CONTACT INFORMATION**

Please refer to the RESTORE Proposers Day in all correspondence.

- Technical Point of Contact: Greg Witkop, Program Manager, [RESTORE@darpa.mil](mailto:RESTORE@darpa.mil)
- Registration Website: <https://events.sa-meetings.com/RestoreProposersDay>
- DARPA Opportunities Website: <https://www.darpa.mil/research#research-opportunities>

### **DISCLAIMERS AND IMPORTANT NOTES**

Attendance at the RESTORE Proposers Day or viewing the webcast is voluntary and is not required to propose to the anticipated RESTORE BAA. Interested parties to this notice are cautioned that nothing herein obligates the Government to issue a solicitation. The Proposers Day does not constitute a formal solicitation for proposals or abstracts. This announcement is issued solely for information and program planning purposes and is not a Request for Information (RFI). Since this is not an RFI, the Government will not accept submissions against this notice. No classified, International Traffic in Arms Regulations (ITAR) controlled, or proprietary information shall be presented by the Government at Proposers Day. DARPA will not provide reimbursement for costs incurred to participate in this Proposers Day. Recording Proposers Day is not permitted.

For those new to DARPA or national security, DARPA makes available a free, comprehensive resource via DARPAConnect on how to do business with the agency. In addition to DARPA 101 materials, relevant preparatory modules include “Making the Most of a Proposers Day” and “Understanding DARPA Broad Agency Announcements.” Registration and access are free at [www.darpaconnect.us](http://www.darpaconnect.us).