DRIVE-BY-WIRE APPLIQUE KITS FOR EXISTING ARMY PLATFORMS

1. **PROGRAM:** Project Manager Autonomous Robotic Capabilities (PM ARC) Capability Portfolio Executive Mission Autonomy (CPE MA)

2. DESCRIPTION OF INTENT

The purpose of this Request for Information (RFI) is to allow industry to provide information related to drive-by-wire (DBW) kits for integration onto existing ground, air, and maritime platforms in the US Army inventory and determine at which speed the Army could provide DBW capabilities for Army platforms. Any information received in response to this survey will be used by the United States Government (USG) to aid its current acquisition planning efforts.

3. DISCLAIMER

This RFI is being issued solely for information and planning purposes.
The information in this notice is subject to change and is not binding on the USG. This is not a Request for Proposal (RFP) or Request for Prototype Proposal (RPP), does not constitute a solicitation, and shall not be construed as a commitment by the USG to purchase enhancements, hardware, or services. Responses in any form are not considered offers and the USG is under no obligation to award a contract because of this announcement. Funds are NOT available to pay for preparation of responses to this announcement. Any information submitted by respondents to this RFI Notice is strictly voluntary.

Since this is not an RFP or RPP, respondents WILL NOT be notified regarding information obtained related to this RFI Notice. Responses will not be returned nor will detailed feedback be made available.

4. PROPRIETARY INFORMATION

The USG acknowledges its statutory obligation (18 U.S.C. §1905) to protect confidential information provided to the Government. Pursuant to this statute, the USG is willing to accept any PROPRIETARY (e.g. trade secret) restrictions placed on qualifying data forwarded in response to the questionnaire and to protect the data from unauthorized disclosure subject to the following:

- Qualifying data must be clearly marked “PROPRIETARY” and accompanied by an explanatory text, so the Government is clearly notified of limitations being placed on the data
- Mark only data that is truly confidential. Use circling, underscoring, highlighting or any other appropriate means to indicate those portions of a single page which are to be protected.
- Do not mark data that is already in the public domain or is already in possession of the USG or third parties on an unrestricted basis.
- Do not submit classified data in response to this market survey.

- The USG is not obligated to protect unmarked data. Additionally, marked data that is already in the public domain or in the possession of the U.S. Government or third parties, or is afterward placed into the public domain by the owner or another party through no fault of the U.S. Government will not be protected once in the public domain. Data already in the possession of the USG will be protected in accordance with the USG's rights in the data.

Proprietary data transmitted electronically must have the "PROPRIETARY" legend on both the cover of the transmittal e-mail as well as at the beginning of the file. Proprietary information contained within the correspondence or file shall use the legends: "PROPRIETARY PORTION BEGINS" and "PROPRIETARY PORTION ENDS."

In any reproductions of technical data or any portions thereof subject to asserted restrictions, the USG shall also reproduce the asserted restriction legend and any explanatory text.Data submitted in response to this RFI will not be returned.

5. OBJECTIVE

The purpose of this RFI is to assess industry's capability to provide aftermarket drive-by-wire (DBW) applique kits for currently existing ground, air, and maritime platforms within the US Army inventory.

6. INSTRUCTIONS FOR RESPONDING TO THIS REQUEST FOR INFORMATION

Send responses to this Request for Information directly to Alessandro Padro, alessandro.v.padro.civ@army.mil, and Sandra Wiegand, sandra.j.wiegand.civ@army.mil with the subject "Autonomous Capabilities for Robotic Ground Vehicles – Industry Feedback". Provide responses and attachments in MS Word or PDF format. Address any requests for questions/clarifications directly to Alessandro Padro, alessandro.v.padro.civ@army.mil and Sandra Wiegand, sandra.j.wiegand.civ@army.mil.

Do not include any classified information, brochures, pamphlets, or marketing paraphernalia unnecessary to the specific questions. Responses are limited to 5 total pages (not including attachments for certifications and title page), using Times New Roman, font size 12, with one-inch margins. Please include only the question number (e.g., X.a) in each answer and spell out all acronyms in their first instance. Also, clearly mark any PROPRIETARY information per the guidance in Section 4, above. Responses are limited to one per company. Provide a release statement indicating that the proprietary information may be distributed to Army personnel involved with reviewing this RFI, including government support contractors.

Provide responses to the general information in Section 7 and capabilities in Section 9. All transmission and/or dissemination of Controlled Unclassified Information (i.e., email and file transfers) must use National Institute of Standards and Technology (NIST)/ National Information Assurance Partnership (NIAP)-approved cryptographic products/ algorithms, (e.g., DoD-approved Public Key Infrastructure Certification or Department of Defense (DoD) Safe Exchange at https://safe.apps.mil/.) If DoD SAFE link is needed, please email Alessandro Padro, alessandro.v.padro.civ@army.mil, or Sandra Wiegand, sandra.j.wiegand.civ@army.mil to request a DoD Safe link in advance of the due date.

Responses to this RFI are due by 3:00pm Eastern Standard Time (EST), 24 July 2026. Responses received after this date are not valid.

7. INFORMATION REQUESTED FROM INDUSTRY

Company

- **a.** Company Name:
- **b.** Mailing Address:
- **c.** Commercial and Government Entity (CAGE) Code:
- **d.** Company Website(s):

Person Responding to RFI

- **a.** Name:
- **b.** Title:
- **c.** Company Responsibility/Position:
- **d.** Mailing Address:
- **e.** Telephone Number:
- **f.** E-Mail Address:

8. INSTRUCTIONS FOR COMPLETING SURVEY

Please respond to every question following the guidance.

1. Number each response with the appropriate question number.
2. You do not have to repeat the question in your response.
3. Respond with “Not Applicable” to any questions that do not apply.
4. If you cannot answer the question, please indicate “No Response.”
5. If a response will satisfy another question, state: “See response to question XX”

9. CAPABILITIES

1. Does your company have the capability to engineer, prototype, test, and produce at-scale drive-by wire systems on existing, fielded wheeled tactical vehicles, tracked combat vehicles, and watercraft?
    - What is the minimum amount of technical data that you require?
2. Describe the capabilities that your DBW system provides.
    - How does your DBW system interface with the host platform (i.e., CAN, UDP, etc.)?
3. What's your approach to safety? Does this differ across ground, maritime, or other use cases?
    - Does your system adhere to any commercial or military safety standards?
4. What, if any, commercial or military specifications is your DBW system built to?

5. Please list out any past experience your company has with integrating DBW capabilities onto existing vehicle systems.
6. What changes do you anticipate for your DBW solution given the potential for a near-term implementation of a software-defined architecture for brake (BbW) and/or steer-by-wire (SbW) systems?
    - With the potential removal of redundant hydraulic fallback mechanisms and/or mechanical steering components, and the ability for AI/ML driven brake force modulation and/or natural steering feel and feedback, will this impact the current implementation of your DBW design and safety case?