TITLE: Request for Information (RFI): Point-of-Need Water Generation, Purification, and Recycling Technologies for INDOPACOM Operations

DESCRIPTION: This is an RFI only. This is not a request for proposal, request for quote, or invitation for bid.

INTENT: RFI is in support of the following market survey. No contract will be awarded from this announcement. This is not an announcement of a forthcoming solicitation, nor is it a request seeking Offerors to be placed on a solicitation mailing list. Response to this RFI is voluntary; no reimbursement will be made for costs associated with providing information and any follow-up requests. No solicitation document exists at this time, and calls requesting a solicitation will not be answered.

DISCLAIMER: The Government will not publish any notifications regarding the results of this RFI, or any information identifying the respondents of this RFI. Responses are expected to remain solely UNCLASSIFIED. Please ensure NO CLASSIFIED data is provided with the response.

MARKET SURVEY: The U.S. Army Combat Capabilities Development Command (DEVCOM) is conducting a market survey for a market research event to identify mature, high Technology Readiness Level (TRL 7-9) solutions for water generation, purification and recycling at the point of need. Water shall support drinking, personal hygiene, and field feeding for individual to medium force size units (up to 150 people). Technologies should focus on dismounted Soldiers operating in the INDOPACOM Area of Responsibility (AOR) with the 25th Infantry Division. Focus is given to lightweight, effective, and sustainable water systems that reduce logistical dependency on bulk water resupply.

Any proposed technology can address a single or combination of the characteristics listed below:

- **Point-of-Need:** Providing water directly at the location where required. Technology can be stationary, man-portable, or vehicle mounted operating on the move.
- **High Technology Maturity:** TRL 7-9.
- **Multi-Source Purification:** Capable of producing potable water that meets TB MED 577 standards from a variety of sources (e.g., fresh water, brackish water, atmospheric). Effectively treats heavily polluted water typical of underdeveloped regions.

- **Logistically Sustainable:** Requires minimal consumables, has extended service intervals, and operates with low power requirements compatible with existing power generation capabilities.
- **Ruggedized:** Designed to operate reliably in INDOPACOM; specifically high heat, humidity, and salinity.
- **Water Catchment and Harvesting:** Collection systems (tents, tarps, customized catchments) designed to capture and route clean rainwater directly into storage/purification units.
- **Tactical Water Quality Testing:** Non-electronic, low-power testing kits, or inline sensors capable of identifying chemical, biological, and/or radiological contaminants (e.g., E. coli, heavy metals) prior to and after treatment.

Market Research Event: The U.S. Army Combat Capabilities Development Command (DEVCOM) and the 25th Infantry Division (25ID) plan to host an interactive water technology event. This event will provide a platform for industry and government to convene and assess commercial water solutions. 25th ID plans to select technologies for live experimentation during the Joint Pacific Multinational Readiness Center (JPMRC) rotation 27-1.

Target Dates and Location:

Day 1: 15 September 2026 – Government Kickoff

Schofield Barracks

Day 2: 16 September 2026 – Static / Dynamic Demo

Schofield Barracks, Area X Dip Pond

Day 3: 17 September 2026 – Static / Dynamic Demo

Schofield Barracks, Area X Dip Pond

Event Highlights and Structure:

- Participation from INDOPACOM, T2COM, and DoW community.
- Static Displays: Provides vendors a dedicated opportunity to network directly with the tactical user community, brief system specifications, and highlight their technology's ability to sustain Soldier in the field.

- Dynamic Displays: An active, operational event allowing systems to be turned on and operated by vender at a water source, generating live, immediate feedback from end users.

Attendance Disclaimer:
Submission of an RFI response does not guarantee an invitation to the market research event. The Government reserves the right to select and approve attendees based on the relevance of their technology.

Part I. Submission Procedures Responses are due no later than 1700 EST on 17 July 2026.

- Please respond to every question.
- Number each response with the appropriate question number.
- Questions do not have to be repeated in the response.
- "NA" or "No Response" is acceptable for any question with a "no" answer.
- If a response will satisfy another question, state: "See response to question X."
- Clearly mark any proprietary information submitted with responses.
- Please send responses to all parties below:
  ramsey.j.slim.ctr@army.mil
  benjamin.d.thomas31.civ@army.mil

Part II. Business Information:

1. Company Name:
2. Type and Size of Business:
3. Manufacturer:
4. CAGE Code:
5. Company Point of Contact:
   a. Name:
   b. Title:
   c. Telephone:
   d. Email address:
6. Business Address:
7. Website:

Part III. Survey Questions:

Group 1. General Information:

1. What is the name of the product or system?
2. What is the National Stock Number (NSN), if assigned?
3. What is the manufacturer part number, model number, and revision number for each system in this response?
4. Provide a general description of the system, including a process flow diagram/schematic of key components.
5. Please define core technology (e.g. Reverse Osmosis, AWG) and the unique characteristics that differentiate it from other commercial products.
6. Where is the system manufactured and assembled?
7. What is the system capital cost, estimated annual maintenance cost, and typical timeline to manufacture?

Group 2. Setup and Performance:

8. What are the packed dimensions (for transit) and the deployed dimensions (operational footprint) of the system?
9. What is the dry weight, operational weight, and the weight of the heaviest single component (lbs)?
10. What are the power requirements (Voltage, Amperage, Wattage, Phase, Frequency) and compatibility with different power sources (generators, solar, batteries, vehicles)?
11. What are the physical interface, input, and output connections required for operation?
12. What is the system efficiency (gallons produced per kWh, per gallon of fuel, or per cubic feet of air)? Please state the environmental conditions (e.g. temperature, relative humidity (RH), etc.) used for these metrics.
13. What are the transit options (vehicle, aircraft, rail, man-portable) and any special storage, handling, or transport restrictions.
14. What is the water storage capacity of the system, or what are the external storage requirements?
15. Describe how the water is distributed from the system and what post-treatment methods or technologies are used.
16. What are the operational pressure ranges and flux/loading/dosing rates of your technology?

17. How many hours per day can the system continuously operate?

Group 3. Testing, Validation and Quality:

18. What specific contaminants are removed, what is the removal efficiency, and are the materials NSF 61 approved or compliant?
19. What is the method of disinfection, and what is the associated log removal for bacteria, viruses, and protozoa?
20. Does the produced water meet TB MED 577 or EPA standards?
21. Is there an integrated water quality monitoring system included?
22. Has any standard performance specification testing been completed (e.g., NSF, ASTM, OEM-specific)? If so, please list.
23. Has documented operational testing been conducted? If so, please list.
24. Has the equipment been tested to any MIL-STD-810H standards (e.g., hot/cold storage, blowing sand/dust, blowing rain)?
25. Would a prototype or production system be available for the market research event?

Group 4. Operations, Maintenance and Safety:

26. What training is required to start-up, run, and maintain the equipment?
27. What are the required maintenance intervals, consumables, spare parts, and the estimated time to perform maintenance?
28. How loud (in decibels) is the system when operating (at 10 feet from the operator panel)? Is hearing protection required, and does it produce vibration?
29. Describe the safety features (physical, chemical, electrical, and labeling) incorporated into the system.
30. Are there any special considerations for the disposal of consumables or waste products?

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