



Program Executive Office Special Operations Forces Support Activity (PEO SOFSA)  
*Trusted Experts for SOF Logistics*

## PM-ES Introduction To The Mobile Technology & Repair Complex (MTRC)

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# Mobile Technology & Repair Complex - MTRC

## Mission

MTRC Provides the Capabilities and Processes to **Rapidly Modify, Repair, and Fabricate** SOF Equipment and Facilities, at the **Point of Need**, in Order to Bridge Operational Gaps and Adapt to Opposition or Environment Changes

## MTRC Teams Deployed Globally

## Capabilities

**Point of Need** Engineering In Austere Locations:

- 1 USG Civilian Engineer + 1 SOF Technician
- Specialized Skills / Equipment in the Following
  - **Engineering / CAD / 3D Printing**
  - Advance Manufacturing / Machining
  - Welding
  - Carpentry / Electrical
  - Kydex & Sewing



# MTRC Operational Concept Overview



- Two Deployable ISU-90 Like Modules and Mobility Platform with Trailer Tailored to Mission and/or Location
- Provides Critical Engineering Services and Support Within the Constraints of Limited Logistics
- Deploys with Initial Push Package of Raw Material, Long Term Sustainment via Military and Commercial Re-supply

# Austere 3D Printing AE Requirements

- U.S. 3D printer technologies designed, developed, produced, manufactured, and/or supported predominantly in the United States.
- U.S. 3D printer technologies that are self-contained, ruggedized, mobile, and capable of printing at SOF point of need in a wide array of environmental conditions.
- U.S. 3D printer technologies that allow for forward deployment, into the field, at the point of SOF equipment failure, reduce hardware replacement times, enable SOF Operator innovation, are reliable, and/or are easy to operate and maintain.
- USSOCOM MTRC Specific Program Interests:
  - Small 3D Printer – Single SOF Operator portable systems with niche capabilities that can be hand-carried and/or transported via non-standard commercial vehicles.
  - Moderate 3D Printer – SOF Team portable systems with robust adaptive manufacturing capabilities that can be palletized and/or transported by C-130 aircraft.

# Austere 3D Printing AE Evaluation Schedule

- **Phase 1 – 28 August 2020 to 30 September 2020 Submissions Open:** Interested respondents who could potentially provide 3D printer solutions that meet the needs of the Government Stakeholders are encouraged to submit their solutions per the instructions below NLT 30 September.
- **Phase 1b: 09 September 2020 Q&A Telecom:** Interested offerors may participate in a virtual Q&A session to better understand the intent of the effort by USSOCOM.
  - The telecom will take place on 09 September from 2:00 PM – 3:00 PM ET.
- **Phase 2 – 01 October 2020 to 12 October 2020 Down-selects:** USSOCOM will down-select those respondents/submissions they feel have the highest potential to satisfy their 3D printer technology needs. Companies with favorably evaluated submissions will receive an invitation to the Assessment Event (Phase 3) o/a 12 October.
- **Phase 3 – 28 October 2020 to 29 October 2020 Assessment Event (AE):** During the event, invited participants will be allotted a one-on-one virtual session with the USSOCOM evaluation panel to pitch, demonstrate, and/or discuss their 3D printer solutions. The forum will include a Q&A portion and discussions may continue outside of the event to determine who (if anyone) proceeds to Phase 4.
- **Phase 4 – TBD SOFWERX B2B Agreement:** During this phase, the final awardee(s) from Phase 3 will be offered a SOFWERX B2B agreement to further develop their 3D printing capability commensurate with the notional schedule at the bottom of the webpage.
- **Phase 5 – Follow-On/Path Forward:** PM-ES has several alternate acquisition/contract vehicles (i.e. various IDIQ contracts, purchase orders, etc.) to potentially purchase the “Final COTS Like System” if operationally viable. PM-ES may elect to purchase all, some, and/or none of the 3D printing solutions from Phase 4 for use in the MTRC program and/or other DoD programs.

# Austere 3D Printing AE Q&A Panel Members

**Mr Jason Schroeder**

PEO SOFSA Program Manager - Expeditionary Support (PM-ES)

**Mr Joel Fox**

PEO SOFSA PM-ES MTRC Acquisition Program Manager

**Mr Nigel Wasil**

NSWC-Crane - MTRC Project Manager

**Mrs Kinsey Crim**

SOFWERX

# Questions / Reference Data

## Questions & Answers:

- Previously Provided via
- Open Forum Time

## SOFWERX Website:

<https://events.sofwerx.org/3dprint/>

## BETA.SAM.GOV Website:

[https://beta.sam.gov/opp/c6b8ba491a6b4e568fc1f545f6626f02/view?keywords=sofwerx&sort=-relevance&index=&is\\_active=true&page=1](https://beta.sam.gov/opp/c6b8ba491a6b4e568fc1f545f6626f02/view?keywords=sofwerx&sort=-relevance&index=&is_active=true&page=1)