



Ms. Kelly Stratton-Feix
Director, Acquisition Agility (Acting)
SOF AT&L, USSOCOM

Mr. Tambrein Bates
Director, SOFWERX
Doolittle Institute

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Partnership Intermediary Agreement (PIA) 15 USC Code 3715

- Entities serve as intermediaries in performing services for a government organization, increasing the likelihood of success in the conduct of cooperative or joint activities for the organization with small businesses or educational institutions
- Contracts or Memoranda of Understanding are put in place with government agencies or non-profit entities chartered and/or funded by a government organization

The Doolittle Institute is a non-profit organization

Partnership Intermediary Agreement (PIA) Highlights

- Competitively announced via the Broad Agency Announcement process and established in September 2015 with Doolittle Institute
- Term is a five (5) year agreement, Sep 15 – Sep 20
- Sub awards are subject to Department of Defense Grant and Agreement Regulations (DoDGARs)
- The overall management, including technical, programmatic, reporting, and financial and administrative matters, are accomplished by Doolittle Institute
- The USSOCOM Program Manager interacts with Doolittle to promote the effective collaboration between USSOCOM, industry, academia and other government agencies




A venue operated under agreement between USSOCOM and Doolittle Institute designed to increase collaboration and innovation, in order to solve challenging warfighter problems.





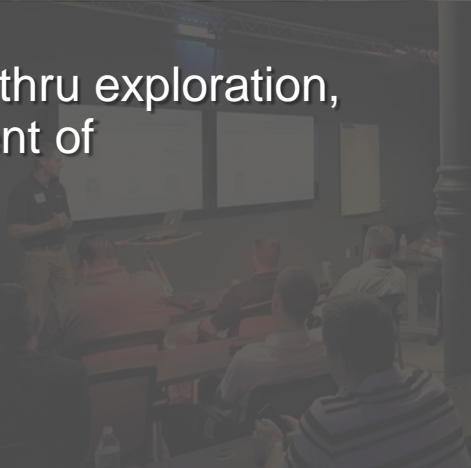
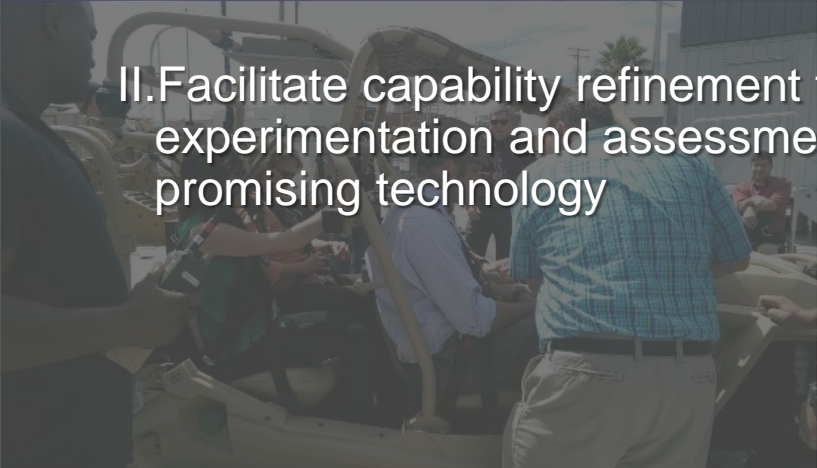
CHARTER





I. Create a forum for accelerating delivery of innovative capabilities to USSOCOM

CHARTER



II. Facilitate capability refinement thru exploration, experimentation and assessment of promising technology

Unique Features

- Neutral Facilitation
- Divergent/Non-traditional Relationships
- New, Novel or Provocative:
 - Capabilities
 - Ideas
 - Problems
- Agile and Adaptive Methods & Interactions

How does SOFWERX Support USSOCOM?

- Manage two interactive venues – SOFWERX and DirtyWERX
- Responsive eco-system
- Malleable & collaborative events
- Industry Fellow program
- Intern Program
- Unique opportunities & tools:
 - Wild Wednesdays
 - Tours on Tuesdays and Thursdays, 0900 & 1700
 - TILO & Small Business Office support
 - *DroneWERX is in the works
 - *Future prize challenge website

Gears

FELLOWS



TILO
+
SMALL BUSINESS

WARGAMING



CAPABILITY
COLLABORATION
EVENT

S.T.E.M.



RAPID
PROTOTYPING
EVENT

FAB
LAB

PRIZE
CHALLENGE



TECH SPRINT

STUDIES



TECH TALK



ECOSYSTEM

UNUSUAL
SUSPECTS



OPENWERX



ECOSYSTEM

The SOFWERX community is a diverse group of talent and expertise – working in partnership to solve complex problems. Through divergent thought and critical analysis, the ecosystem accelerates new and novel approaches to the warfighter.

- ⚙ Industry
- ⚙ Academia
- ⚙ Labs
- ⚙ Citizen Scientist
- ⚙ Futurists
- ⚙ Warfighter



Rapid Prototyping Event (RPE)

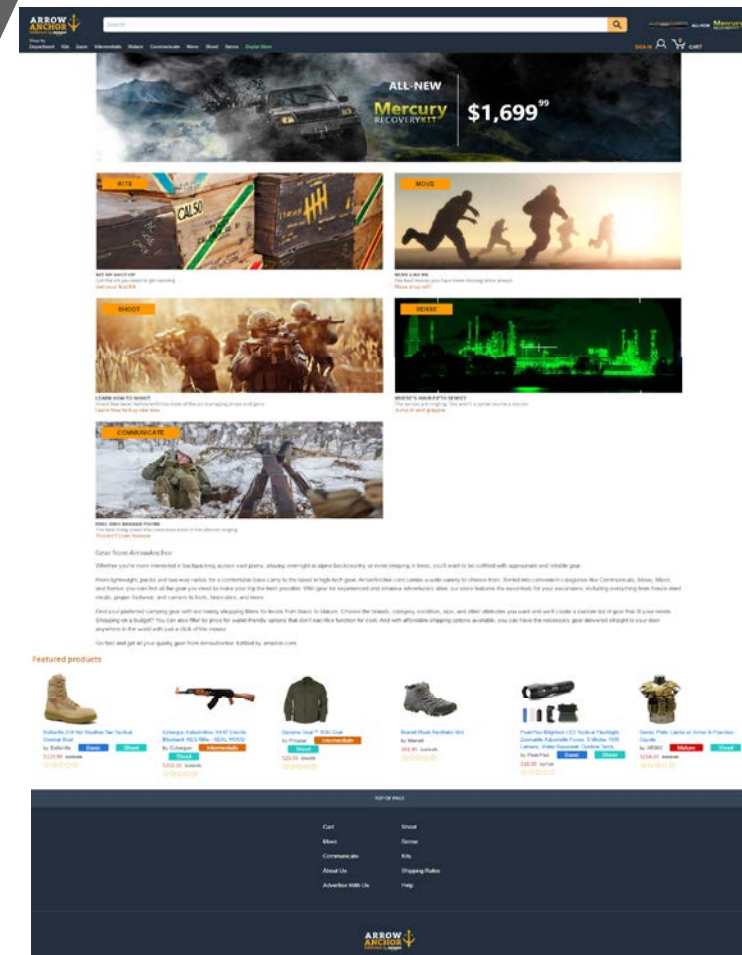
- Two month event focused on a larger complex problem set; tailored for each
- Starts by soliciting open invitation to all the SWX eco-system
- Opportunity: to get technology products and/or ideas in front of SOCOM personnel
- First SOFWERX RPE was the 12XX RPE
 - 90 Industry partners, down selected to 48 participants
 - 15 Group SF Operators directly participated during the two months
 - Numerous Technologies were furthered to include:
 - Denied Area Internet
 - Amazon website





Amazon Website for Partnered Forces

- Potential Exists to:
 - Use a commercial website to purchase non-ITAR products for surrogate and proxy forces
 - Provide a repository and curation of partnered ops equipment
 - Utilize existing commercial means of selection and delivery of equipment for partnered operations
- Still to be determined:
 - Do we implement it and how?
 - What are the impacts and legalities?





Capability Collaboration Event (CCE)

- Two day events designed to increase collaboration and positive outcomes
- Starts by soliciting open invitation to all the SOFWERX eco-system & FedBizOpps
- Malleable, but typically done in two methods:
 - SOCOM down selects for 1 on 1's
 - SOCOM selected participation for ideation discovery sessions
- Opportunity to increase SOCOM visibility regarding:
 - Products and Capability
 - Ideas & Problem Solving
 - State of current Technology

The collage displays several SOFWERX event pages, each with a header image, title, date, and a list of event outcomes. The events include:

- PEO-FW Route Replanning Industry Day** (22-23 February 2017): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- Group I-3 UAV EO/IR Sensors** (19-20 April 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- Sensitive Site Exploitation** (21 June 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- PEO Rotary Wing Next Gen Cockpit** (20-21 September 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- Crazy 8's Technology Enhancing Capabilities Day** (25 August 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- PEO C4 Non-RF Communication** (07-08 December 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- LTATV Industry Collaboration** (28 February - 01 March 2017): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- SOF Fires IPT** (15-17 November 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- Mission Automation** (19-20 July 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.
- Technical Diving Symposium** (23-24 August 2016): Outcomes include identifying key players, understanding capabilities, and identifying future opportunities.





LTATV

- Partners were able to familiarize themselves with the LTATV program through interaction with users, Experts and Program Managers
- Technologies briefed were more mature than anticipated
- Feasibility of hosting a rodeo was proven as a result of the briefings provided

- Interoperability problems identified and fixed in near real-time
- The ability to define and refine user requirements has been improved
- Rolling new technologies into applicable Programs of Record



LTATV Industry Collaboration

28 February - 01 March 2017 **Event Outcomes**

FOSD-SOF Warrior hosted a two-day industry collaboration event on 28 February and 1 March. As part of the market research strategy for PM-AFSCV, this topic for the event was to explore hybrid, fuel cell and electric powertrain configurations for the Light Tactical All Terrain Vehicle (LTATV). The objective was to determine the maturity of technologies and whether hosting a rodeo would be viable within the next fiscal year. A secondary objective was to help create understanding of the capabilities and limitations of vehicles based on the technologies to aid in developing requirements for the next iteration of the LTATV.

- 7 companies attended and briefed their LTATV technical solutions
- Vendors were able to familiarize themselves with the LTATV program through interaction with users, SMEs and PMs
- Government participants from over 10 agencies attended due to interest in the capability
- Program Office obtained insightful and detailed feedback from government representatives
- Academics from MIT Lincoln Labs and the University of Pittsburgh attended
- Technologies briefed were more mature than anticipated
- Feasibility of hosting a rodeo was proven as a result of the briefings provided
- Board sees increased awareness of technology, the ability to define and refine user requirements has been improved



Mobility C4

31 May - 03 June 2016 **Event Outcomes**

The Mobility C4 Project Team met at the Dinyewick facility in Tampa, FL to collaborate and develop concepts for next generation communications, real-time intervention on FOSDV platforms. There was a demonstration of the LTATV MRZD-D prototype vehicle tactically driving through an urban environment while transmitting real-time video feed, P/L, and voice communications, all on a C4 package.

- First 2 days: the C4 package was designed and prototyped through the collaboration of working group members and C4/CMCA partners at Dinyewick.
- An accelerated prototype development of a C4 package on an MRZD-D prototype capable of demonstrating a real-time video feed, P/L, and voice communications.
- The team was able to capture input for improvement, giving the partners actionable feedback to further develop their technologies for future events.
- Last 2 days: demonstration of a PMR feed from the MRZD-D, P/L, and voice communications.





PEO-FW

- Via an open SOFWERX wide eco-system release, SOCOM selected 12 technologies for 1 on 1 discussions
- Discussions were held and a unique technology was presented of high interest to users and is currently being pursued for platform integration
- Via an open SOFWERX wide eco-system release, SOCOM selected 10 technologies for 1 on 1 discussions
- Conducted cross-talk on gaps and provided AFSOC perspective to proposed solutions
- Selected 5 systems for follow on SIL testing



Group I-3 UAV EO/IR Sensors

19-20 April 2016

Emerging Technology, a division of PEO-FW conducted an industry day event in conjunction with SOFWERX, to seek out new technology related to sensors and payloads for Group I-3 UAV's. PEO-FW's particular interest was in production ready systems (i.e. minimum Technology Readiness Level (TRL) 7 and a minimum Manufacturing Readiness Level (MLR) of 7).

Event Outcomes

- SOFWERX invited 12 industry vendors
- Comprehensive collaboration discussions were held
- Focus was right with specific market segment and TRL level
- A "Golden Nugget" technology was discovered/presented and was of high interest by the SOCOM community users in efforts currently being pursued for platform integration
- Desire to conduct additional similar events on other topics was conveyed by both users and government personnel



PEO-FW Route Replanning Industry Day

22 - 23 February 2017

Event Outcomes

PEO-FW conducted a two-day Aircraft Route Replanning Industry Day event at the Doolittle Institute in Fort Walton Beach, Florida. Over sixty stakeholders from Government, including Academics, and Foreign partners collaborated in this successful event to explore the realm of the possible as it pertains to the topic of mission automation. The goal for this collaboration event was to pull together different ideas and perspectives to help facilitate rapid building of capabilities on all into the SOCOM platform.

- Identified the right focus, market segment, and Technical Readiness Level for technology systems
- Invited 10 industry vendors for 1-on-1 solution talks to PEO AFSOC users
- Conducted AFSOC to industry cross-talk on route replanning technology
- Industry vendors received an AFSOC perspective to their route replanning technology proposals
- Selected five route replanning systems for Follow-on Software Integration Lab testing with the potential for top candidates to move forward with a flight demonstration of capability

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OpenWERX

- Challenges provided & judged by operational elements
- Open competition on SOFWERX website which allows participants to:
 - Solve challenging warfighter problems
 - Engage with the Operator
 - Win cash prizes, and an opportunity to accelerate their concept
- Opportunity for SOCOM to:
 - See new, novel or provocative solutions
 - Accelerate capability to the Operator



FELLOWS

Industry Fellows

- Announced on FebBizOpps and SOFWERX eco-system
- Opportunity for Industry to place Engineers at SOFWERX to:
 - Work challenging SOCOM problems
 - Learn about SOCOM challenges & SOFWERX innovative design thinking
 - Build lasting SOF relationships
 - Gain exposure to tangential Service and Component Leadership & Innovators








Metrics

Forum	Current FY	Cumulative
Events	527	1015
Prototyping Classes	0	5
Brief & Tours	156	318
Prize Challenges	5	11
CPO's	6 Active	4
CCE's	3	8
Tech Talks	7	12
Feasibility Studies	0	1
Wargames	0	1
Projects	8	16
RPE	1	1
Tech Sprints	2	2



1-844-SOFWERX

www.sofwerx.org/ecosystem/

www.sofwerx.org/outreach/