Thank You
“The Operator is Our Platform”

Increase Survivability

Increase Surgical Lethality

Increase Situational Awareness

Increase Partnered Interoperability

See Yourself

See the Environment

See the Threat
What we need from You
Hyper-Enabled Operator

Tactically relevant, decision quality information at the Edge:

*Communication*
*Computing*
*Sensing*
*Cognitive Interface*
*Advanced Autonomous Aids*
Assured Communications

Low Probability of Detection
Low Probability of Intercept
Multi-channel
High bandwidth
Performs in Enclosed Spaces
Assured Maneuver

Forward force maneuver
Mobility in all environments
Fire Support in all environments
Relevance in highly contested Environments
Precision Navigation and Timing

GPS-independent:
Navigation
Precision Munitions
Communications
Precision Munitions

- Low Circular Error Probable
- No collateral damage
- Ability to loiter
- Ability to divert off target
- Multi-launch platform
  *(Air, Land, Maritime)*
Counter IED/UAS

Control the RF environment
Detect, Defeat, Exploit, Intercept
Man-portable
Highly mobile
Next Generation ISR

Find, Fix, Finish, Exploit and Analyze...
...without Owning the Air Domain
...in the Space Domain or...
...in the Cyber Domain...
...enabled by Advanced Automation
Expeditionary ISR

- Line-of-Sight and Beyond Line-of-Sight Data Link
- Accurately locate targets
- Runway-independent launch and recovery
- Two-sensor capable
  (HD FMV EO/IR, EW, SIGINT)

Family of Group 1-2 UAS’s
- Modular payloads
- Open architecture
- Small footprint/min logistics
Managed Signature

Avoid physical detection:
- Thermal
- Radar
- Visual and Near IR
- Audible

Manage digital presence:
- Social media
- Resistant to biometric tracking
Next Gen Military Information Support Operations

Operations at the edge
Limited/denied connectivity environments
Drone supported broadcasts
Linguist expertise and regional dialects
Demographic and culturally adaptive
Multiple Spectrums—Microwave, IR, etc.
Real-time feedback
Biometrics and Patterns of Life
Data analysis
BioMedical

Stabilize for extended duration
Austere trauma treatment
Vital sign awareness
Tele-medicine

Improve sleep quality
Cognitive performance
Reduce injury
Faster return to duty
Expeditionary Logistics

Resilient and agile
On time
Access to remote and austere
Right-sized
Interoperable with Partners

Affordable
Sustainable
Proliferable
Interoperable
What you can Expect from Us
Competitive & Collaborative

194 TILO submissions and 36 TILO briefings
15 Capability Collaboration Events
2 Industry Days
3,256 Vulcan entries

Competed 70.3¢ of every $
Awarded 31% to Small Business
Awarded 8.6% to Small Disadvantaged
Awarded 5.4% to Women-owned
Awarded 13% to Service Disabled
Awarded 2% to HUBZone Firms
Adaptive & Responsive

Embracing new authorities
Other Transaction Agreements
Grants and Cooperative Agreements
Partnership Intermediary Agreements
Thickening the Network
DIUx
SOFWERX
Vulcan (www.Vulcan-sof.com)
Time Sensitive

Tailored Acquisition Strategies
Flexible contracting mechanisms
Err on the side of over-communicating
Partnered/International

Synergizing future capabilities
Leveraging foreign knowledge
Exploiting mature solutions
Equipping partnered operations
SOFWERX

A partnered network and platform to help solve SOCOM challenges
96 agreements supporting SOF innovation
25 current projects with more on the way

“Continuously Delivering Performance with Affordability and Speed…” 2018 NDS

Ballroom D to align your interests with PEO Focus Areas
CRADA’s & IRaD
Submit existing tech or ideas for review