U.S. Government Announces FY17 Commercialisation Opportunities

Australian companies with defence and homeland security development capabilities are encouraged to respond to a recent announcement by the Combating Terrorism Technical Support Office / Technical Support Working Group (CTTSO/TSWG). Australian industry and academia have been successful in securing funds from CTTSO previously.

Working closely with more than 100 government agencies, state and local government, law enforcement organisations, and national first responders, CTTSO leverages technical expertise, operational objectives, and interagency sponsor funding. This multi-agency, multi-user approach to resource and information sharing positions CTTSO to gather front line requirements that service multiple users—a distinct advantage in the combating terrorism community.

CTTSO recently released its Broad Agency Announcement (BAA) for this year's solicitation of concepts for innovative research and development projects.

The mission areas of interest are:

Advanced Analytic Capabilities (AAC)
1. R4037 Tunnel Reconnaissance, Analytical Tools, and Techniques
2. R4038 Manpackable Micro Cloud Server (MCS)
3. R000 AAC FY17 Unspecified Requirement

Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE)
4. R4046 Chemical Sampler for COTS Systems
5. R4047 Combination Unit Respirator Automatic Detection and Switching Mechanism
6. R4049 Wearable Chemical Sensing Platform
7. R4052 Confined Space Self Contained Breathing Apparatus
8. R4053 Interactive Chemical Exposure and Trauma Mannequin
9. R4054 High Sensitivity Explosive Trace Detector
10. R4065 HME Trace Detector with a Non-Radioactive Ionization Source
11. R000 CBRNE FY17 Unspecified Requirement

Improvised Device Defeat/Explosives Countermeasures (IDD/EC)
12. R4021 Bomb Suit Heads Up Display(HUD)
13. R4022 Multi-Fit Inflatable Bomb Suit Helmet Liner
14. R4023 ECM Coverage Verification Device
15. R4024 3D X-Ray Imaging System
16. R4025 Pyrotechnic Treatment Mobile Unit

Investigative and Forensic Science (IFS)
17. R4018 Forensic Acquisition Tool for Cloud Based Data
18. R4019 Automated Latent Print Development
19. R4020 Automated Handwriting Detection and Extraction from Digitized Documents
20. R000 IFS FY17 Unspecified Requirement

Irregular Warfare and Evolving Threats (IW/ET)
21. R4036 Tactical Information Warfare Capability (TIWC)
22. R4040 Foreign Criminal Law Analytical Capability
23. R4041 Remote Advise and Assist (RAA)
24. R4042 Information Environment Common Operating Picture, Analysis, and Fusion (Command and Control of the Information Environment)
25. R000 Information Operations Innovation

Personnel Protection (PP)
26. R3997 Wireless Health Monitor
27. R3999 Vehicle Intrusion Detection
28. R4011 Helmet for 7.62 x 39mm Mild Steel Core Protection
29. R4012 Special Operations Tactical Standalone Plate
30. R4013 NIJ Level IIIA Visor
31. R4014 Enhanced Remote Activation of Vehicle Mounted TTL Device
32. R4015 Female Body Armor Testing Protocol Validation
33. R4016 Three Dimensional Measurement for Backface Deformation
34. R4017 Mobile Gunshot Detection

Physical Security (PS)
35. R4006 Horizontal Directional Drilling (HDD) Threat Assessment Tool
36. R4007 Improved Handcuffs
37. R4008 Compact Wireless In-Tunnel Reconnaissance Systems (CWITRS)
38. R4009 Through the Wall/Floor Detection

Surveillance, Collection, and Operations Support (SCOS)
39. R3977 Human Language Technologies and Media Exploitation
40. R4031 Remote Activated Brilliant Light Source
41. R4032 Laser Doppler Vibrometry (LDV) Identification System
42. R4069 Non-Standard Communications
43. R4048 Biometric Presentation Attack Detection Study
44. R000 Cyber
45. R000 SCOS FY17 Unspecified Requirement

Tactical Operations Support (TOS)
46. R3874 7.62mm Subsonic Ammunition Optimization)
47. R4000 Augmented Reality System – Navigation (ARES-N))
48. R4001 Near Field Communications Tactical Enhancement Adapter (NFC-TEA).
49. R4002 Maritime Modular Electronically Steerable Array Antenna System
50. R4003 Android Improved Data Modem Variable Message Format (AIDM VMF) Software
51. R4004 Air Employable Micro Weather Sensor System (AEMWSS)
52. R000 TOS FY16 UNSPECIFIED REQUIREMENT – Technologies may include:
    a. Offensive Systems
    b. Unconventional Warfare, Counter-Insurgency Support
    c. Tactical Communications
    d. Tactical Reconnaissance, Surveillance, and Target Acquisition Systems
    e. Specialized Infiltration, Access, and Exfiltration Systems
    f. Survivability Systems

Training Technology Development (TTD)
53. R4028 Ballistically Corrected Sniper Training System
54. R4029 Use of Force Decision Making Training Simulation
55. R4030 Any City 15x15
56. R4061 Surveillance Detection Training Support Package
57. R000 TTD FY17 Unspecified Requirement

To have your counter terrorism or defence technologies considered by CTTSO, submit your application by1500 EDT, 4 March 2016.

Follow our steps below to prepare your submission.

Step One: Investigate the opportunity
If you are developing solutions in any of the above areas, please go to CTTSO BIDS website and download the relevant BAA package (https://bids.cttso.gov/) under BAA Information. Registration is not required to download the BAA package; however, a BIDS registration is required to upload a response to the BAA. We recommend that you download and print out the entire PDF document for the BAA of interest.

Read through the documentation carefully to assess whether or not your solution matches the particular needs of CTTSO. Please note that these are specific needs and applicants must demonstrate their ability to match the requirements closely. You will also need to ascertain whether or not your organisation can respond to the BAA within the limited time frame and in the specific format required.

Step Two: Seek appropriate registrations
If you decide to respond to this BAA, you will need to register with CTTSO prior to submitting your application. The "New to BIDS" registration link can be found on the CTTSO BIDS main page (https://bids.cttso.gov/).

Step Three: Prepare your submission
Applicants must prepare a Quad Chart in response to Phase 1 of the BAA. A Quad Chart is a one-page document that outlines the essence of the proposed solution for a single requirement in four quadrants. A sample CTTSO Quad Chart can be found on the CTTSO BIDS website under Reference Materials>Document Format.

Step Four: Submit by 4 March 2016
Ensure that you follow the timelines closely and upload your submission **by 1500 EDT, 4 March 2016**. Allowing for the time difference, this will be **0700 AEST, 5 March 2016 in Australia**. We recommend that you upload your submission early as last minute traffic to the BIDS site is heavy and may cause delays. Late submissions will not be considered.

Have questions?
CTTSO BIDS website has detailed presentations on this year's requirements which can be found under the Reference Materials tab.

To understand the BIDS process further, we suggest you download the BIDS Submitter Quick Card and use this to guide you through your submission

Registration and Account Help. BIDS Help requests can be emailed to BIDS administrators at BIDSHelp@cttso.gov or submitted via the Request Help link located on the BIDS Homepage

If you would like to discuss this opportunity further please contact:

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