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22 Jan 2015

Weapons IR&D Technical Interchange Meeting (TIM), 20-24 Apr 2015

Below are open Broad Agency Announcements (BAAs) from the Services which detail technical problems the DoD is trying solve. While the scope of these documents is more comprehensive than just the Weapons Technologies COI, we highlighted in the BAAs areas of interest to weapons, within the following sub-areas of this Weapons IR&D TIM:

- Guidance, Navigation, & Control and Data Links (GN&C and DL)
- Propulsion
- Ordnance
- Guided Weapon Demonstrators (GWD)

Army BAA W911NF-12-R-0011-02:

http://www.arl.army.mil/www/pages/8/Mod2_ARL_BAA_revsept13.pdf

- For this TIM, areas of interest are highlighted below:
 - pg. 38. 2.1 - Energetics and Propulsion Science
 - pg. 40. 2.2.1 - Warhead and Penetrator Technology
 - pg. 41. 2.2.5 - Ballistic Launch and Transitional Ballistics
 - pg. 41. 2.2.6 - Munition Systems Research
 - pg. 42. 2.3.4 - Affordable Precision Munition Technologies
 - pg. 42. 2.3.5 - Weapon and Ammunition Accuracy
 - pg. 43. 2.4.1- Weapons Effectiveness

Air Force BAA-RWK-2013-0001:

<https://www.fbo.gov/?s=opportunity&mode=form&id=37d206cf7d26ab5c9b63490b9e1a9b3d&tab=eco>

- For this TIM, areas of interest are highlighted below:
 - Research Area 1 - Weapon Airframe System Technology
 - Research Area 2 – Biomimetic Signal Processing and Control
 - Research Area 3 – Autonomous Target Recognition
 - Research Area 7 - Navigation and Control Technology
 - Research Area 8 – Modeling, Simulation, & Analysis (MS&A) of Advanced Weapon Concepts
 - Research Area 9 - Target Vulnerability and Weapon Effectiveness
 - Research Area 10 – Weapon/Target Mechanics
 - Research Area 11 - Damage Mechanism Research
 - Research Area 12 - Fuze Research
 - Research Area 13 - Munitions Energetic Materials
 - Research Area 16 - Revolutionary Research

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Navy ONRBAA15-001: <http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2015/15-001-LR.ashx>

- For this TIM, areas of interest are on pages 16-23, in the section titled “Naval Air Warfare and Weapons (Code 35)”. Within the Code 35 section, however, the following areas are EXCLUDED from this TIM:
 - P. 16-17, 1a) - 1c)
 - P. 19, 1g)
 - P. 19, 2a)
 - P. 21, 2d) – 2f)
 - P. 23, 2g)b.viii. Directed Energy and ix. Counter-Directed Energy
 - P. 23, The Marine Corps Warfighting Lab

DARPA-BAA-14-25:

<https://www.fbo.gov/utills/view?id=c45e4ffcae66ae6ecfea98f6e5dec6bb>

- For this TIM, areas of interest are highlighted below for weapons-related technologies:
 - P. 8-9, Section I.C.1.a - Soldier/Squad Technologies
 - P. 11, Section I.C.2.f
 - P. 11, Section I.C.2.h
 - P. 11, Section I.C.2.j
 - P. 11, Section I.C.3.a.1
 - P. 12, Section I.C.3.a.3
 - P. 12, Section I.C.3.a.5
 - P. 12, Section I.C.3.a.6
 - P. 12, Section I.C.3.b

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