Tactical Technology Office

Dr. Fred Kennedy, Director DARPA Tactical Technology Office (TTO)

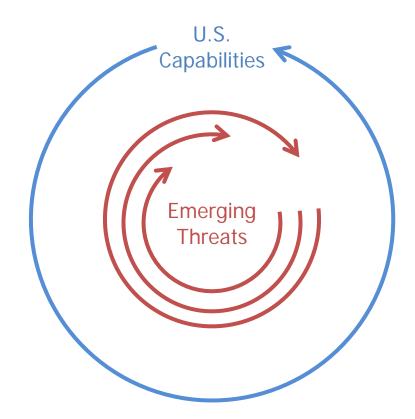
Briefing prepared for Aeronautics and Space Engineering Board (ASEB) and Space Studies Board (SSB)

April 30, 2018









Our adversaries are out-innovating us

Disrupting Warfare

Artist's Concept

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Artist's Concept

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Artist's Concept

AUGUST

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Artist's Concept

Artist's Concept

Hypersonic Air-Breathing Weapons Concept (HAWC)

Tactical Boost Glide (TBG)

Blackjack

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19 MIL

Resilience

Low Latency

Global Persistence

Rapid Tech Refresh

Responsive to Emerging Threats -

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Experimental Spaceplane (XSP)

DARPA LAUNCH CHALLENGE

WILL YOU MEET THE CHALLENGE? 🐗

LAUNCH 1

\$2M

QUALIFY

\$400K



1ST

\$10M

LAUNCH 2

\$9M

Competitors Day- May 23rd, 2018 Los Angeles, CA

\$8M

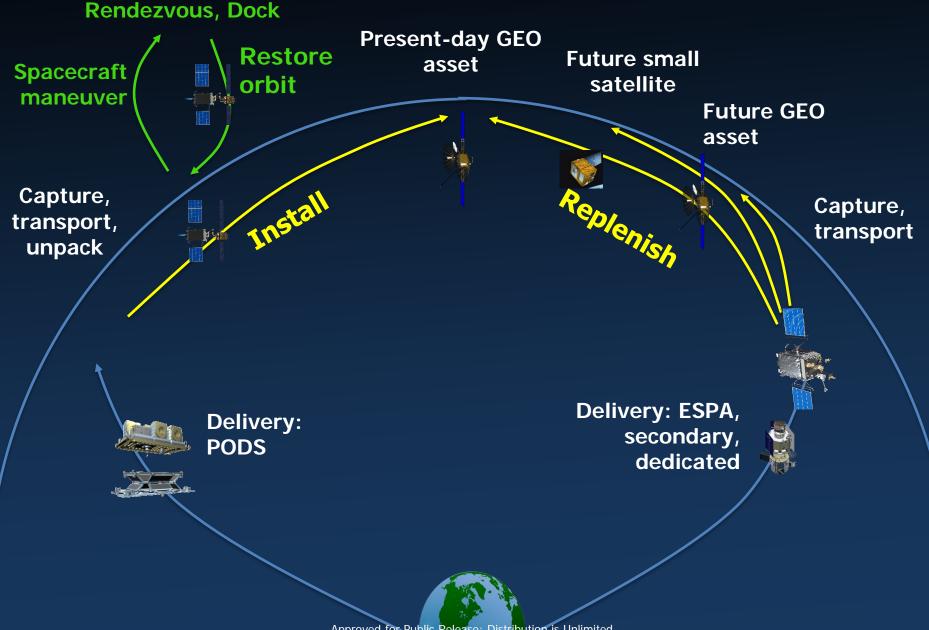
LAUNCH FAST

www.DARPALaunchChallenge.org



www.darpa.mil

Robotic Servicing of Geosynchronous Satellites (RSGS)



Collaborative Operations in Denied Environment (CODE)

UAV

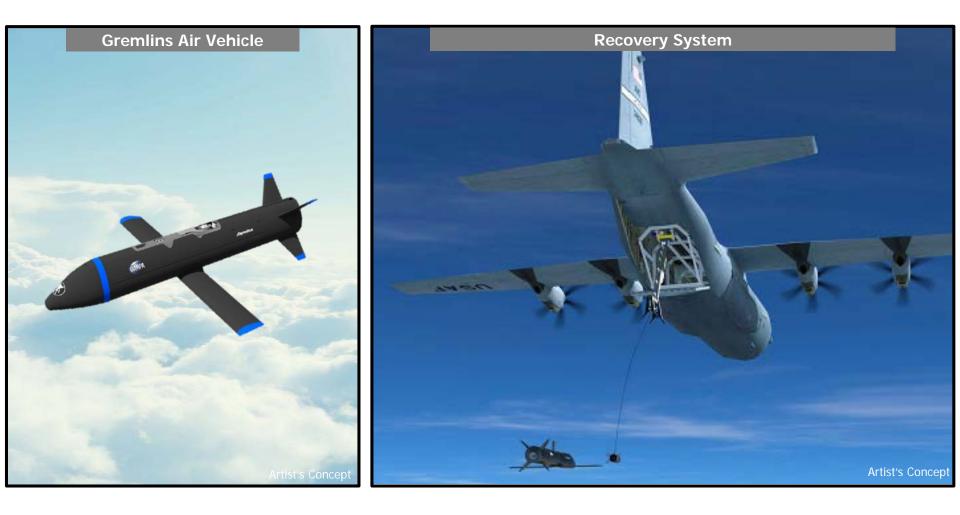
CODE will enable heterogeneous teams of Unmanned Aircraft (missiles or UAV) to collaborate at the tactical edge in a denied environment.

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UAV

Gremlins

Demonstrate limited-life, volley-quantity, air-launched, recoverable unmanned platforms to expand options for conducting distributed air operations and drive to lower per-mission costs.



OFFensive Swarm-Enabled Tactics (OFFSET)

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