



Army (Joint) Demand Signal



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“Humanoid Robots Are the Next Threat From China”



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Wall Street Journal - Opinion
By Katie Britt and Jacob Helberg
Sep, 26, 2024

Military

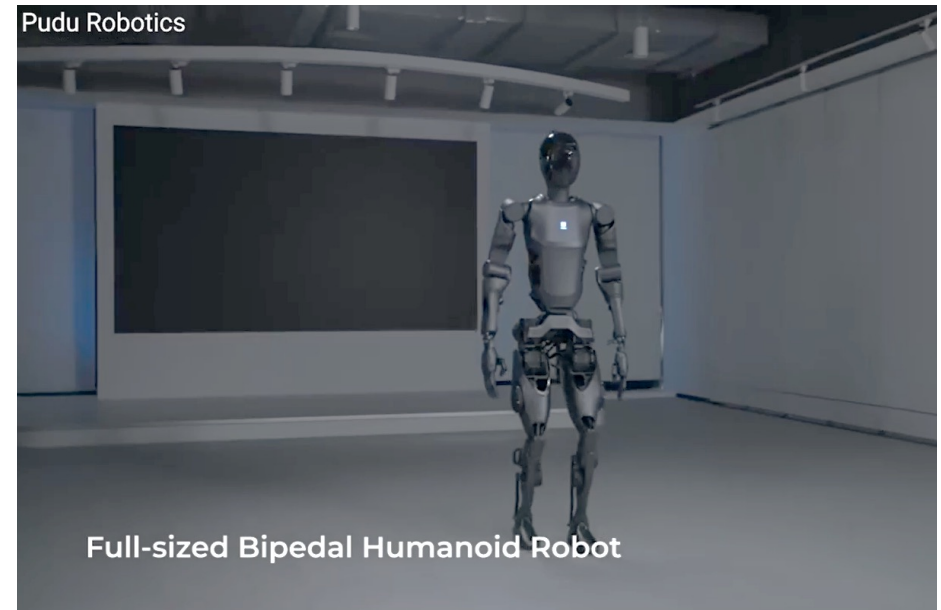
- Humanoids will have defensive and offensive national-security implications
- The U.S. military is exploring humanoid capability
- If the U.S. fall behind, troops with face fatal disadvantages

Commercial Infrastructure

- The U.S. needs to develop technological capability and capacity independent of China

Sanctuary AI Interview (Matthew Knights, Oct 2024):

“There are ~60 serious humanoid robot companies around the world. 45 of them are in China.”



FoxNews: “China’s newest humanoid robot is ready to serve like never before” (video) January 10, 2025

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Action



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Humanoid Community of Collaboration Advancing Humanoid Augmented Warfare



Army



Navy



Air Force



Marines

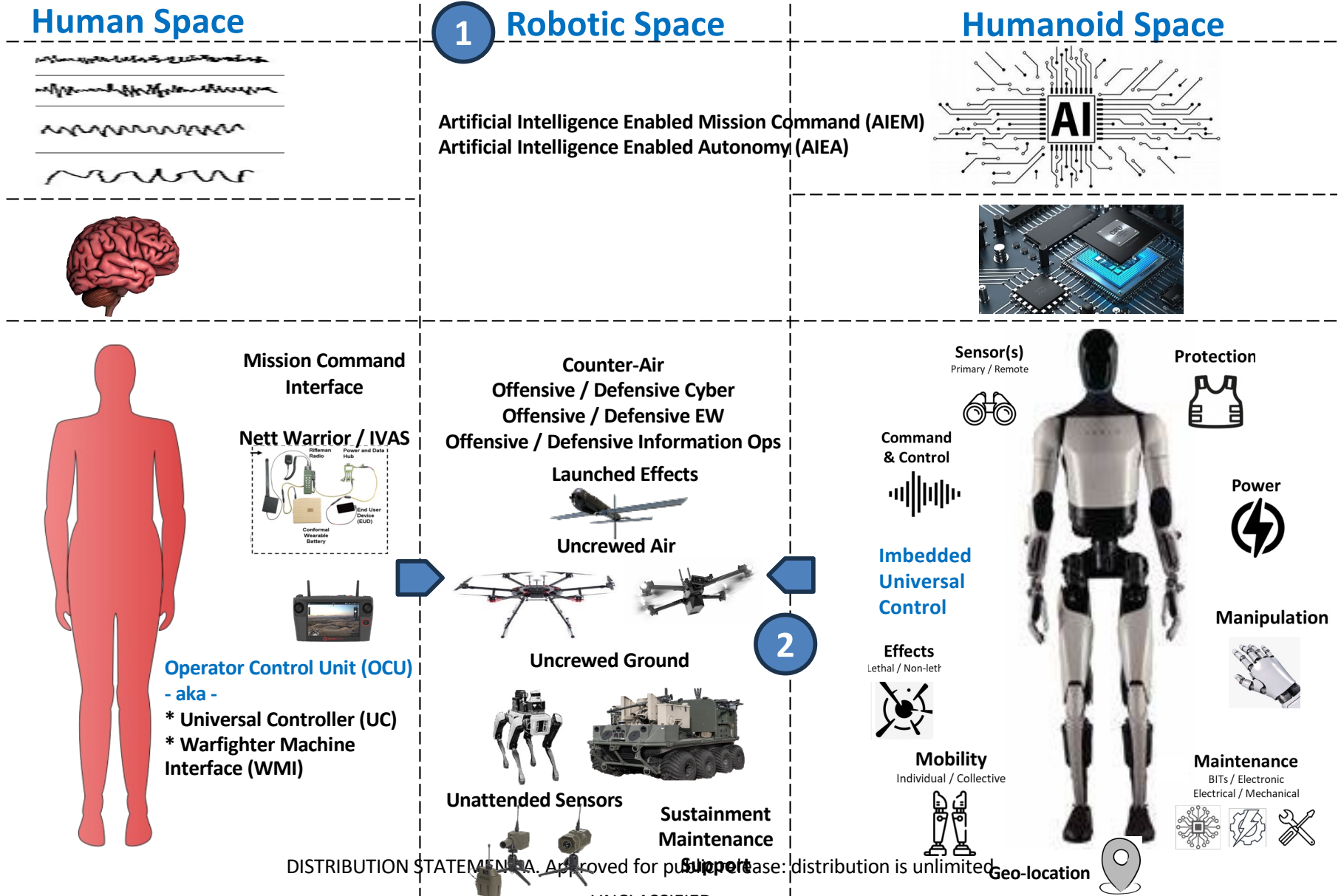
- Formation of a **“Collaboration”** - A joint services and DoD workgroup (**“skunk works”**)
- Developing technical **“expectations”** in a three-year **“test-bed”** that will produce **prototype** humanoids for employment in Humanoid Augmented Warfare (HAW)
 - Baseline - Common humanoid form, functions
 - Advanced - Service specific functions and tools
- Approach - **“Best in Breed”** (wide commercial aperture) narrowing to **“program suitable”**

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Humanoid Design

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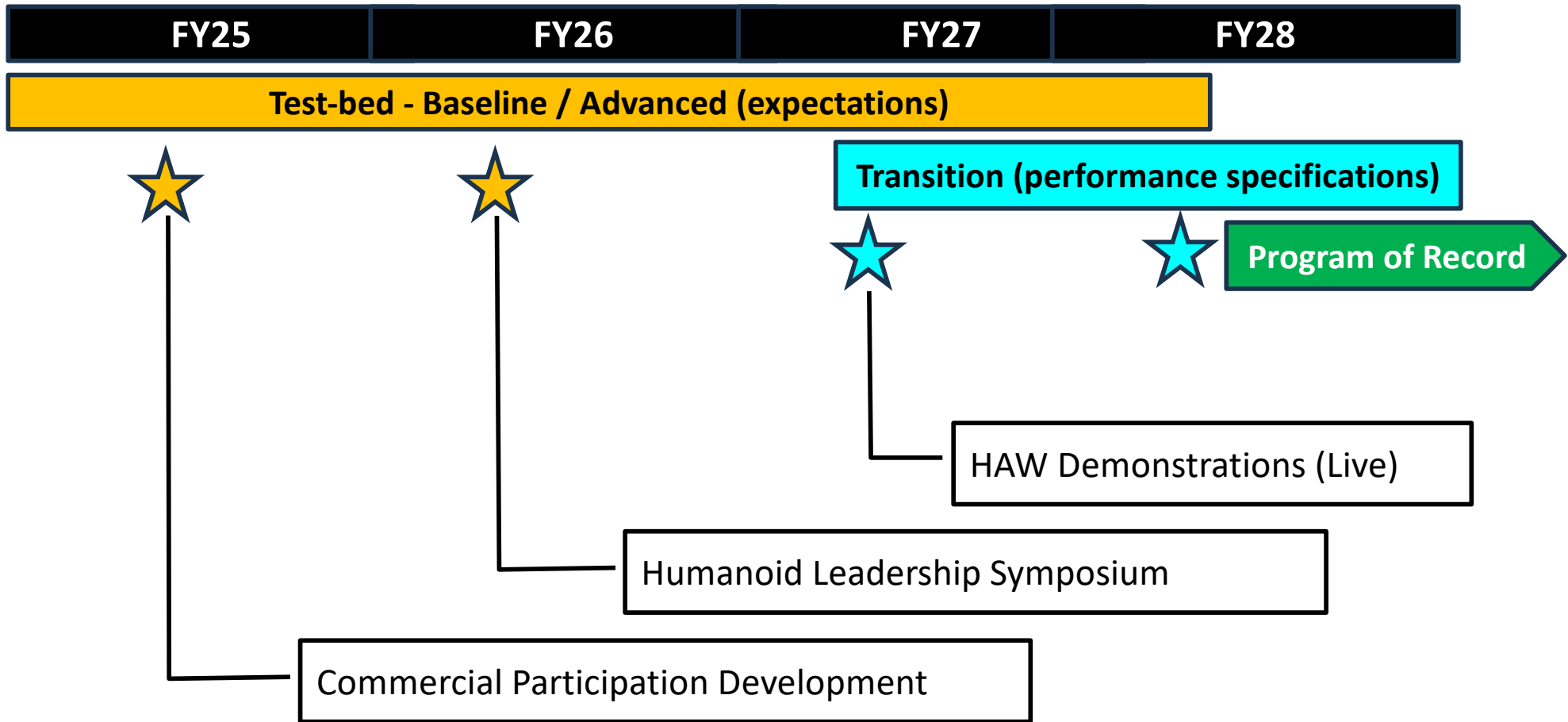


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Timeline



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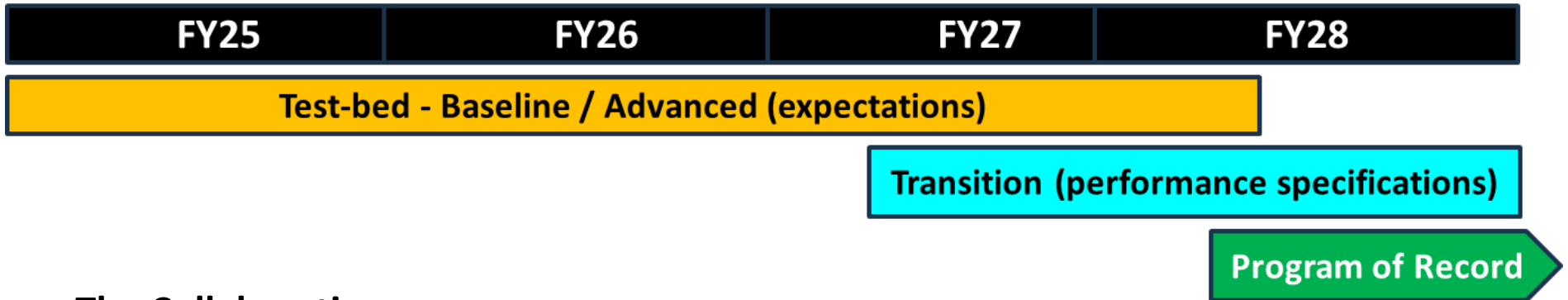
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Timelines



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- **The Collaboration**

- Formal introduction to leadership in Q2 FY26 potentially during the Concept Focused Warfighting Experiment (CFWE) at Ft. Moore, GA
- Humanoid progression (HAW concept, expectations - performance specifications - requirements, prototype handoff) to one or more transition partners and Program(s) of Record (PoR) by FY28/29
- Subsystems can advance to a transition partner and PoR (assumption is subsystem SWaP-P is equal to or enhanced for humanoid integration)
- Alignment Context - Army Transformation 2040-2045 (Full Mission Capable)

- **Near-Term Commercial Participation Development**

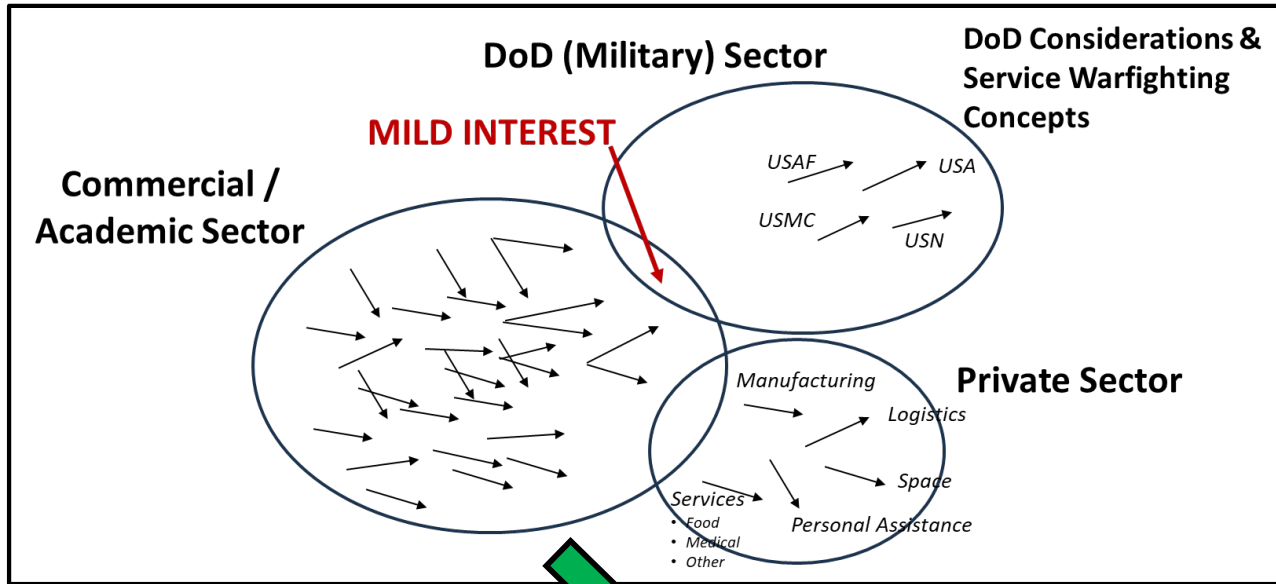
- Feb 25 - Understand potential participants and build collaboration
- Mar 25 - Review and engage participants
- Apr 25 - Initiate pathway to prototype development

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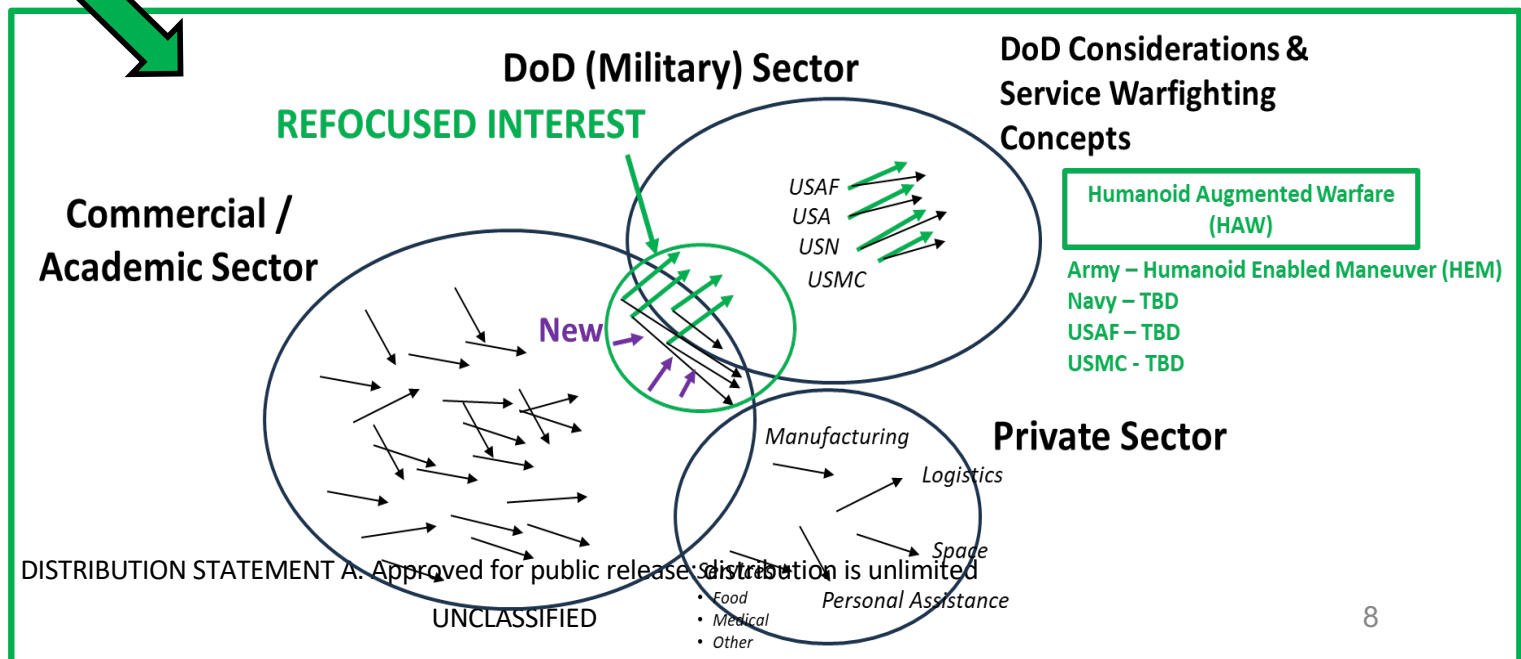


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Commercial Collaboration



Commercial realignment for sustained militarization of humanoid capability



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4-Mar-25

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