



Fact Sheet: Memo to the President and Congress on Department of Defense Adoption of Generative Artificial Intelligence (GenAI)

The United States has opened a critical technological advantage over the rest of the world with the recent advances in generative artificial intelligence (GenAI). This moment, which may not last, presents the Department of Defense (DoD) with a crucial opportunity to accelerate two of its most significant transformations – preparing for the future character of conflict and strengthening our military overmatch against our rivals, especially the People’s Republic of China.

DoD’s establishment of Task Force Lima on August 10, 2023, was a critical recognition of the importance of this moment. To help the Department succeed in this endeavor, we propose four critical areas that DoD should prioritize as it embarks on integrating GenAI across its activities:

1. **Enabling Decisional Advantage.** DoD should identify both operation centers and weapons platforms where it can immediately and securely integrate GenAI models.
2. **Enhancing Operations.** DoD is already exploring the use of AI for predictive maintenance and back-office support functions. The next areas that could benefit from AI-enabled models are (1) logistics and sustainment; (2) investment and divestment decisions; (3) experimental course of action generation; and (4) global force deployment management decisions.
3. **Developing the talent.** GenAI will most certainly affect current military occupational series and create demand for new skill sets. DoD needs to recruit, develop, and retain talent that can develop mission-driven requirements for genAI, and evaluate, build, and – crucially – employ AI tools for military effects.
4. **Identifying new defenses.** Generative AI will most certainly accentuate threats against our nation. Rival militaries will also adopt GenAI. DoD should identify what threats can be reasonably expected to arise, and begin to plan for additional defensive measures, including to counter AI-generated attacks by our adversaries.



Mindful that advances in generative AI will continue to accelerate in the near-term, and that such advances could pave the way towards artificial general intelligence and super intelligence, DoD should also:

1. **Establish a Defense Experimentation Unit**, to complement either the Defense Innovation Unit or the Chief Digital and AI Office, and provide for much-needed operational experimentation and iteration with AI models.
2. **Build an Automated Orchestration Platform**, with a GenAI-powered interface that can access relevant tools and datasets, receive user prompts, break down queries into specific tasks, and complete those tasks with either partial or full autonomy.
3. **Develop defense-tailored generative AI models**, trained on specific military terms and jargon, secured from revealing the data they were trained on, or the content of prompts and their outputs, inspectable and instrumented by cleared researchers, and broadly accessible to cleared personnel, including for operational purposes.