APPENDIX III.
KEY TECHNOLOGY AREAS

The following twenty-one critical and emerging technology areas are of particular importance to the Department of Defense and the national security of the United States.

Advanced and Networked Sensors, Sensing, and Signature
Advanced Manufacturing
Advanced Materials
Artificial Intelligence (AI)
Biotechnologies
Communication and Networking Technologies
Computing and Software (Advanced)
Cyber and Integrated Sensing
Directed Energy
Financial Technologies
Future Generation Wireless Technology (FutureG)
Gas Turbine Engine Technologies (Advanced)
Human-Machine Interfaces
Hypersonics
Integrated Network Systems-of-Systems
Microelectronics and Semiconductors
Nuclear Energy Technologies (Advanced)
Quantum Science including Quantum Information Technologies
Renewable Energy Generation and Storage
Robotics and Autonomous Systems
Space Technologies and Systems

(Note: More information is available at https://www.cto.mil/usdre-strat-vision-critical-tech-areas/ and https://www.whitehouse.gov/wp-content/uploads/2022/02/02-2022-Critical-and-Emerging-Technologies-List-Update.pdf.)