



Online Ethics Center  
FOR ENGINEERING AND SCIENCE

# Emerging and Readily Available Technologies and National Security: A Framework for Addressing Ethical, Legal, and Societal Issues

## Description

Emerging and Readily Available Technologies and National Security is a study on the ethical, legal, and societal issues relating to the research on, development of, and use of rapidly changing technologies with low barriers of entry that have potential military application, such as information technologies, synthetic biology, and nanotechnology. The report also considers the ethical issues associated with robotics and autonomous systems, prosthetics and human enhancement, and cyber weapons.

## Body

Link to the National Academies Report [Emerging and Readily Available Technologies and National Security](#)

## Rights

Use of Materials on the OEC

## Resource Type

Expert Reports

## **Topics**

Artificial Intelligence and Robotics  
Confidentiality  
Conflict of Interest  
Controversies  
Data Management  
Dual Use Research  
Emerging Technologies  
Ethics and Society  
Governance  
Human Enhancement  
Human Rights  
Human Subjects Research  
Law and Public Policy  
Military and Defense Research  
Privacy and Surveillance  
Responsible Innovation  
Risk  
Safety  
Security  
Social and Political Conflict  
Social Responsibility

## **Discipline(s)**

Computer, Math, and Physical Sciences  
Engineering  
International Perspectives  
Life and Environmental Sciences  
Research Ethics  
Social and Behavioral Sciences

## **Publisher**

National Academies Press