

## Autonomous Weapon Systems A Brief Survey Of Developmental Operational Legal And Ethical Issues

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Autonomous Weapon Systems A Brief  
autonomous weapons systems (LAWS). □ Despite the establishment of a GGE on LAWS, there is no clear agreement on the scope of the definition of LAWS. The main issues are related to

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questions regarding the extent to which these weapons are autonomous, and the necessary level of meaningful human control.

Policy Papers and Briefs ¶ 8, 2017 LETHAL AUTONOMOUS ...

While autonomous weapons systems are still in their early development stages, it is worth the time of policymakers to carefully consider whether their putative operational advantages are worth the potential risks of instability and escalation they may raise. ... In brief, in crises and conflicts, ...

The Risks of Autonomous Weapons Systems for Crisis ...

(In Brief) Publication No. 2019-55-E . ... autonomous weapon systems could make it easier for the military to operate more deeply in enemy territory. Such long-distance operations could mean fewer casualties and a reduced need for supply and communication networks. 21. 4.2 .

In Brief: AUTONOMOUS WEAPON SYSTEMS: SELECTED IMPLICATIONS ...

2. Potential outcomes of introducing autonomous weapons systems. The impact autonomous weapons could have on humankind is very difficult to predict. There are many aspects of society that could, in one way or another, be affected by the introduction of autonomous weapons. The focus of this policy brief is on a "big picture", macro-level ...

The strategic paradox of autonomous weapons - ZIPAR

Lethal autonomous weapons (LAWs) are a type of autonomous military system that can

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independently search for and engage targets based on programmed constraints and descriptions. LAWs are also known as lethal autonomous weapon systems (LAWS), autonomous weapon systems (AWS), robotic weapons, killer robots or slaughterbots. LAWs may operate in the air, on land, on water, under water, or in space.

### Lethal autonomous weapon - Wikipedia

For the purpose of analysis and clarity, an autonomous weapons system is defined as: "any weapon system with autonomy in its critical functions—that is, a weapon system that can select (search for, detect, identify, track or select) and attack (use force against, neutralize, damage or destroy) targets without human intervention".

### Lethal Autonomous Weapons Systems: A Legal Perspective ...

For its part, the United States argues that emerging technologies in the area of lethal autonomous weapons systems could (among other things) reduce risk to civilians, including through autonomous self-destruct mechanisms (such as self-destructing ammunition that destroys the projectile after a period of time to pose less risk of inadvertently striking civilians and civilian objects ...

### An Enduring Impasse on Autonomous Weapons - Just Security

Autonomous Weapons: Autonomous Weapon Systems are types of autonomous military systems that can independently search for and engage targets based on programmed constraints and descriptions. Lethal Autonomous Weapons (LAWs) such as robotic weapons,

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killer robots or slaughterbots. (LAWs) may operate in the air, on land, on water, under water, or in space.

## Autonomous & Hypersonic Weapons Systems Virtual Symposium

While it is possible to determine what is a chemical weapon and what is not (despite some disagreements at the margin, for example, about law enforcement use of irritant chemical weapons), and to clearly define nuclear arms or land mines, autonomous weapons systems come with very different levels of autonomy. 40 A ban on all autonomous weapons would require foregoing many modern weapons ...

## Pros and Cons of Autonomous Weapons Systems

But fully autonomous weapons would seem to benefit the offense more. 27 Some commentators believe that a state that has autonomous weapon systems could have an incentive to strike first, which could increase the incidence and severity of conflict. 28 For example, a state that is considering a strike on a foreign target may be likelier to take this action if it has autonomous UAVs because ...

## Autonomous Weapon Systems: Selected Implications for ...

Autonomous Weapons Systems - A Primer for Current and Future AWS Operations - Capabilities and Challenges. What does the Department of Defense hope to gain from the use of autonomous weapon systems (AWS)? This Letort Paper explores a diverse set of complex issues related to the developmental, operational, legal, and ethical aspects of AWS.

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advances, lethal autonomous weapon systems (LAWS) weapons designed to make decisions about using lethal force without manual human control may soon make their appearance, raising a number of potential ethical, diplomatic, legal, and strategic concerns for Congress. By providing a brief overview of ongoing international

International Discussions Concerning Lethal Autonomous ...

This means deciding which autonomous weapons systems should be banned internationally. Autonomous weapons that can kill without human intervention will be the main focus. Belgium has already put in place internal measures to limit the use of weapons that break international human rights laws.

Belgium is fighting the introduction of Lethal Autonomous ...

Autonomous Weapon Systems: A Brief Survey of Developmental, Operational, Legal, and Ethical Issues Paperback December 24, 2015 by Jeffrey L. Caton (Author), Strategic Studies Institute (Contributor), U.S. Army War College (Contributor) & 0 more

Autonomous Weapon Systems: A Brief Survey of Developmental ...

Autonomous vehicles are a great way to deliver chemical, radiological, and biological weapons. An autonomous vehicle cannot get sick with anthrax, nor choke on chlorine.

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Why the World Must Ban Autonomous Weapons Like Drone Swarms  
guided weapon system at yet another location, all without human intervention or supervision, thereby constituting an autonomous weapon system. That is, the components of an autonomous weapon system—the sensors, autonomous targeting and decision-making, and the weapon—need not be directly

Onbanning autonomousweapon systems:humanrights, automation ...

Autonomous weapons systems (AWS) are emerging as key technologies of future warfare. So far, academic debate concentrates on the legal-ethical implications of AWS but these do not capture how AWS may shape norms through defining diverging standards of appropriateness in practice.

Autonomous weapons systems and changing norms in ...

Despite [the Defense Department's] insistence that a "man in the loop" capability will always be part of RAS systems, the CRS noted in 2018, "it is possible if not likely, that the U.S. military could feel compelled to develop fully autonomous weapon systems in response to comparable enemy ground systems or other advanced threat systems that make any sort of "man in the loop" ...

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