



Former Pentagon officer David Pyne says Russia's capability in electronic warfare is unparalleled

Description

USA: According to a former officer at the *Department of Defense (DoD)*, Russia's capability in electronic warfare (EW) is unparalleled.

David Pyne of the EMP Task Force on National Homeland Security made this assessment, citing the recently leaked documents from U.S. intelligence. According to the papers, American-made smart bombs known as Joint Direct Attack Munitions "are falling victim to Russian electronic jamming in Ukraine, causing them to miss their targets."

"That is a very significant development, though not at all surprising given Russia's robust capabilities in electronic warfare – particularly in long-range GPS jammers, which are second to none – and their military doctrine of establishing electronic superiority and supremacy at the beginning of any conflict," Pyne mentioned.

When asked how Ukraine's planned spring offensive can be affected by Russian EW systems, Pyne indicated that they could be utilized "to jam Ukrainian satellite guidance and positioning signals, making Ukrainian military forces unable to use precision-guided munitions."

"This likely helps to account for why the leaked top-secret documents indicate that the U.S. does not believe the upcoming Ukrainian spring counteroffensive in the Zaporizhzhia region will make more than modest gains," he noted.

Moscow's jamming systems can also engage in cyberattacks

Pyne added that Moscow's EW systems can jam not just enemy communications and radars, but also satellite guidance and positioning signal ranges. Its jamming systems can also reach 200 to 500 kilometers (124.3 to 310.7 miles), considerably longer than the jamming systems used by the West.

He mentioned that these systems can also "engage in cyberattacks against the enemy by transmitting malicious codes which can infect enemy internet and communications networks," and furthermore, they

are capable of transmitting “false or demoralizing texts to enemy troops and civilians.”

The expert added that Russia has not really showcased its full cyber and electronic warfare capabilities, which several national security analysts consider to be the best in the world.

According to Pyne, these capabilities help Russia “blind early warning systems and severely disrupt or degrade military command and control systems [of potential enemies] making it difficult [for them] to conduct offensive or even defensive operations.”

Meanwhile, state-owned media outlet *Ria Novosti* reported Russia's development of an electronic warfare system that can jam satellites in geostationary orbit.

“Enterprises of the Russian military-industrial complex have developed a new electronic warfare system capable of suppressing satellites in geostationary orbit with its signal. This is about 36,000 km above sea level,” a source told *Ria Novosti*.

Without revealing any additional details, the source also said that the power of the emitter of the latest system is capable of irreparable harm to the enemy's electronics when used at a shorter distance.

Watch this video about [the Russian EW team that hit the communication center](#) of Ukraine's command post.

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Category

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