

## **Boeing, Nammo Ramjet 155 Test Sets Distance Record**

**- U.S. Army conducted a record-breaking indirect fire test of the Boeing-Nammo Ramjet 155 projectile**

**- Test advances development of Army's top modernization priority of Long Range Precision Fires**

**ARLINGTON, Va., Oct. 9, 2023**—A Boeing [NYSE: BA] and Nammo team set a record for longest indirect fire test of a ramjet-powered artillery projectile alongside officials from the U.S. Army — firing a Ramjet 155 munition from a 58-caliber Extended Range Cannon Artillery (ERCA) at Yuma Proving Ground, Ariz. The test advances development efforts for the Army's top modernization priority, Long Range Precision Fires.

"Our objective was to demonstrate the ability to safely operate from the ERCA system and validate our performance. Both objectives were met," said Gil Griffin, executive director of Boeing Phantom Works. "The team is working to deliver a superior, affordable precision strike weapon that can neutralize critical targets at long distances."

The success follows last year's Boeing-Nammo test recording the longest-ever indirect fire test of a Ramjet 155 munition. That test was completed using a 39-caliber towed artillery cannon at the Andøya Test Center in Norway.

"This program now has a thoroughly tested propulsion system that guarantees enormous range increases for all artillery cannons," said Morten Brandtzæg, Nammo CEO. "We believe the major development hurdles have now been cleared and production is viable within a relatively short timeframe."

The Boeing-Nammo solution is being developed under the Army's XM1155 program. Considered a powered guided artillery munition, Ramjet 155 utilizes an air-breathing engine design that uses the cannon firing to provide the speed needed for combustion.

In an upcoming test, Boeing and Nammo will integrate a precision guidance system, leveraging a Joint Direct Attack Munition (JDAM) mission computer onto the Ramjet 155. The demonstration will evaluate the system's maturity and effectiveness against stationary and moving targets, and readiness to transition into the next phase of development.

"Our successful tests demonstrate that ramjet projectiles — a real collaborative achievement of Boeing and Nammo — offer the range and precision desired by the Army," said Brandtzæg. "Ramjet technology heralds a revolution in artillery, significantly extending range and delivering strategic advantages to our users."

# # #

*As a leading global aerospace company, Boeing develops, manufactures and services commercial airplanes, defense products and space systems for customers in more than 150 countries. As a top U.S. exporter, the company leverages the talents of a global supplier base to advance economic opportunity, sustainability and community impact. Boeing's diverse team is committed to innovating for the future, leading with sustainability, and cultivating a culture based on the company's core values of safety, quality and integrity. Join our team and find your purpose at [boeing.com/careers](https://www.boeing.com/careers).*

*Nammo is an international aerospace and defense company headquartered in Norway. With more than 2,800 employees, 28 production sites and a presence in 11 countries, Nammo is a leading provider of specialty ammunition, shoulder-fired systems and rocket motors. Learn more at [nammo.com](https://www.nammo.com).*

**Contact:**

Josh Roth  
Boeing Communications  
+1 (256) 631-8140  
[joshua.d.roth@boeing.com](mailto:joshua.d.roth@boeing.com)

Boeing Media Relations  
[media@boeing.com](mailto:media@boeing.com)