NOTABLE TECHNICAL INQUIRY

Are there reusable bullet catchers that do not damage the projectile?

The inquirer currently uses stacks of ceiling tiles to collect projectiles that have penetrated test articles and asked DSIAC for an alternative that would allow the same fast recovery and turnaround. A DSIAC vulnerability subject matter expert with experience developing warhead fragment catch media systems recommended a fiberboard used by U.S. Department of Defense and commercial... Read More

FEATURED NEWS

America’s Future Battle Network Is Key to Multidomain Defense

When Americans think about military power, they often associate our wars with iconic commanders like Grant, Eisenhower, Nimitz, and Doolittle. They may also think about the famous weapons that helped win them: the P-51 Mustang fighter, the Essex-class aircraft carriers of World War II, and, more recently, the Abrams tank, F-117 stealth fighter, and GPS-guided smart bombs.

Success against a technologically-advanced enemy in the future will require us to think much differently — about both the tools we use in war and, more importantly, how they work together. In fact, the most important element of future combat will not necessarily be warships, combat vehicles, aircraft, or satellites. It will be a battle network that connects them to work in unprecedented harmony.

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Are there foreign object debris (FOD) barrier technologies that allow debris to pass in only one direction?

DSIAC is looking for FOD barrier technologies to support the Innovation and Modernization Pax and Naval Air Warfare Center Aircraft Division. Such barriers must only permit debris to leave the designated area but not return. Proposed physical barriers would be used on the edge of a runway or taxiway that would allow wind or engine exhaust to blow FOD off the prepared surface edge but prevent it from traveling back onto the surface.
RECENT NEWS

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Munitions Readiness in the Strategic Support Area Continues to Provide Lethality That Wins

Future Soldiers May Get Improved Helmet Padding

Powered JDAM: Boeing’s New Alternative to Cruise Missiles
Webinar: Compact Laser Designators for Mini-UAVs and Handheld Targeting Systems
26 March 2020 – 12:00 p.m. to 12:45 p.m. EST

This webinar will discuss laser designators that served as a fundamental means of targeting multiple generations of combat aircraft. With advancements in high-efficiency, diode-pumped laser technology, pulse length control, efficient thermal design, and unique beam stability techniques, laser designators that can fit into mini unmanned aerial vehicles (UAVs) or handheld targeting binoculars are becoming a reality. Laser designators weighing less than 1lb can execute tactical target designation missions at ranges up to 2 km from key platforms like the Puma, Coyote, and Hero-30 or as part of soldier-borne equipment. This could add significant capability to ground forces engaged in short-range tactical missions, enabling effective target marking for platforms equipped with laser-guided munitions.

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