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FOR IMMEDIATE RELEASE

Physical Optics Corporation (POC) Introduces Three New Technologies at the 2015 Navy Opportunity Forum

June 1, 2015 – Torrance, CA – [Physical Optics Corporation](#) (POC) today introduced three new technologies at the Navy Opportunity Forum in Crystal City, VA. These include:

BSED

Boundary Scan Enhanced Diagnostics System (BSED) will reduce maintenance time and costs while increasing aircraft availability. BSED is a ruggedized portable system that uses JTAG boundary testing to extract diagnostic data from complex electronic systems on-board the aircraft in order to quickly diagnose and correctly identify failed components, eliminating unnecessary removals and replacements of Weapons Replaceable Assemblies.

INFLA

In-Situ Failure Analyzer (INFLA) is a non-destructive evaluation (NDE) system for accurate failure analysis of cracks found in aircraft structural components. INFLA can be used as a handheld unit or on a tripod for on-aircraft, on-the-ground failure analysis of cracks in aluminum, steel or titanium components used in aircraft structures. INFLA is based on shearography and proprietary image processing to determine the failure mode and has successfully distinguished between one-time-overload, fatigue and stress corrosion cracks in the laboratory. By determining the cause of a crack in-situ, INFLA improves aircraft availability, increases productivity of depot engineers, and decreases operational costs.

RESLIFE

Non-lethal weapons (NLW) provide warfighters with escalation-of-force options that minimize casualties and collateral damage. Non-lethal flashbang effects are effective in helping to determine intent and suppress individuals, but continued improvements are needed to extend the range at which these effects can be employed. The Ranged Eye-Safe Laser-Induced Flashbang Enabling System (RESLIFE) is being developed to deliver flashbang effects at ranges beyond 100m, without the risk of blunt trauma injuries. Current technology development is focusing on a solid-state infrared laser with a wavelength longer than 1.6 microns, to avoid the risk of retinal damage to targeted personnel and bystanders. A final system is expected to be small enough to mount on current small tactical vehicles.

About Physical Optics Corporation

Physical Optics Corporation (www.poc.com - Torrance, California) is a systems integrator of advanced technology serving the military, defense and commercial markets since its founding in 1985. As a highly innovative women-owned small business, POC has grown to over \$53M in size with 225 employees, of which 85 are Engineers and 55 hold Ph.D.s. POC is located in Torrance, CA with 5 buildings that occupy over 100,000 square feet. POC has strong financial position, and holds over 135 issued patents, covering 40 technologies. POC's production and quality programs are certified to AS9100, AS9110 and CMMI-ML3.

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