ISOF Range 2026 Technology Area Form

Note: This is provided only as an example of the information you'll need to provide to register your technology. You will not be able to attach or submit this document. It should only be used as a reference.

Technology Area Questions

These questions were selected by our subject matter experts based on your selected technology area: Visual Augmentation Systems

Camera info
EO bandwidth, type, format/pitch, FOV/IFOV, magnification, zoom, etc.

Available lasers and functions
i.e. "NIR pointer", "SWIR LRF", etc.

What non-imaging sensors are included, and how does the device integrate them to aid the user beyond just providing data?

Display Info
Monocular, binocular, bi-ocular, resolution, mono/color, bit depth, i^2

Power requirements, supported battery types, and battery runtime (assume ~20 degrees C)

Mounting interfaces
i.e. 1/4"-20, 1913 rail, etc.

Available I/O, and compatible inputs
i.e. TAK, GPS, power, etc.

Image stream data formats (getting imagery off the device for viewing near real time) including resolution of output

Compliance with ICD for Weapon Mounted Ballistic Calculators and Micro-Displays, Rev D?

Available image processing and where does it happen (ROIC, FPGA, SOM, etc.)

Is there processing overhead built in, and/or can the system support AI tasks? describe tasks

List image fusion capabilities

Other features (i.e. passive ranging, ballistics calculator, disturbed reticle, digital reticle, image stabilization, assisted ranging, etc.)