DASA seeks innovations to help develop the first generation of Directed Energy Weapons

News story

This new Innovation Focus Area aims to find novel ideas that will shine a light on the future of Directed Energy Weapons across Land, Sea and Air domains

- DASA has launched an Innovation Focus Area called, Making Science Fiction a Reality: Future Directed Energy Weapons
- Funding provided by the Defence Science and Technology Laboratory (Dstl)
- £500k in overall funding available for proposals which present ideas to contribute to the first generation of deployed Directed Energy Weapons

The Defence and Security Accelerator (DASA) is pleased to launch an Innovation Focus Area (IFA) called Making Science Fiction a Reality: Future Directed Energy Weapons. This IFA is seeking innovations that will help contribute to the development of the first generation of deployed Directed Energy Weapons across Land, Sea and Air domains.

This IFA is run on behalf of the Defence Science and Technology Laboratory (Dstl).

Funding

£500k in overall funding is available for this IFA, with £50k-£200k expected to fund each proposal.

Do you have an innovation which could help develop the first generation of Directed Energy Weapons? Read the full IFA and submit your proposal.

Developing the first generation of Directed Energy

Weapons

Directed Energy Weapons (DEW) are systems capable of discrete target selection that emit laser or Radio Frequency (RF) energy as the primary means to cause disruptive, damaging or destructive effects on equipment or facilities.

The vision of the UK Ministry of Defence (MOD) is to make Directed Energy Weapons a realistic choice for our armed forces, which can contribute to a decisive edge and sustain strategic advantage.

This IFA seeks proposals that enhance the performance and/or reduce the size, mass and volume of the system and subsystem areas associated with laser and RF Directed Energy Weapons. For example, innovations that improve:

- laser and RF Source technology
- system automation
- advanced power and cooling technologies that can be ultimately integrated onto military platforms
- beam control
- target detection
- battle Damage indication
- test and evaluation

For more on the competition scope, read the full IFA document.

Submit a proposal

Do you have a solution or novel approach that may help Dstl and DE&S understand the next steps to develop and introduce Directed Energy Weapons into service across Land, Sea and Air domains?

Read the full competition document to learn more and submit a proposal.

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