

**SOLVE
SOMETHING
IMPORTANT**

Cyber Vulnerability Research

Service Definition Document

The information in this document is proprietary to Leidos.

It may not be used, reproduced, disclosed, or exported without the written approval of Leidos.

Cyber Vulnerability Research

1 WHAT THE SERVICE IS

Leidos Innovations UK leverages the global capability to draw on wider expertise in order to satisfy customer needs, as they arise.

Leidos has a global pedigree in cybersecurity. Leidos is a recognised leader in cybersecurity operations across the federal government, bringing decades of experience defending cyber interests globally and delivering advanced capabilities honed from protecting some of the world's most valuable assets.

Leidos has a multi-year, advanced Offensive Cyber Operations (OCO) Internal Research and Development (IR&D) programme aimed at improving and expanding our capabilities for cyber operations, referred to as the Attack and Exploitation Laboratory, or AELHouse for short.

AELHouse is an innovative attack and exploitation lab designed to conduct Cyber Vulnerability Research (VR), exploit development, and technology research on various platforms focused on uncovering vulnerabilities and developing exploits of those vulnerabilities to gain control of the target devices, protocols, software, or systems, which brings together cyber innovation from all corners of Leidos and partner organisations across the globe.

FEATURES

- Structured and staged approach to VR activities.
- Access to industry leading experts across the company.
- In house development and facilities possible.

BENEFITS

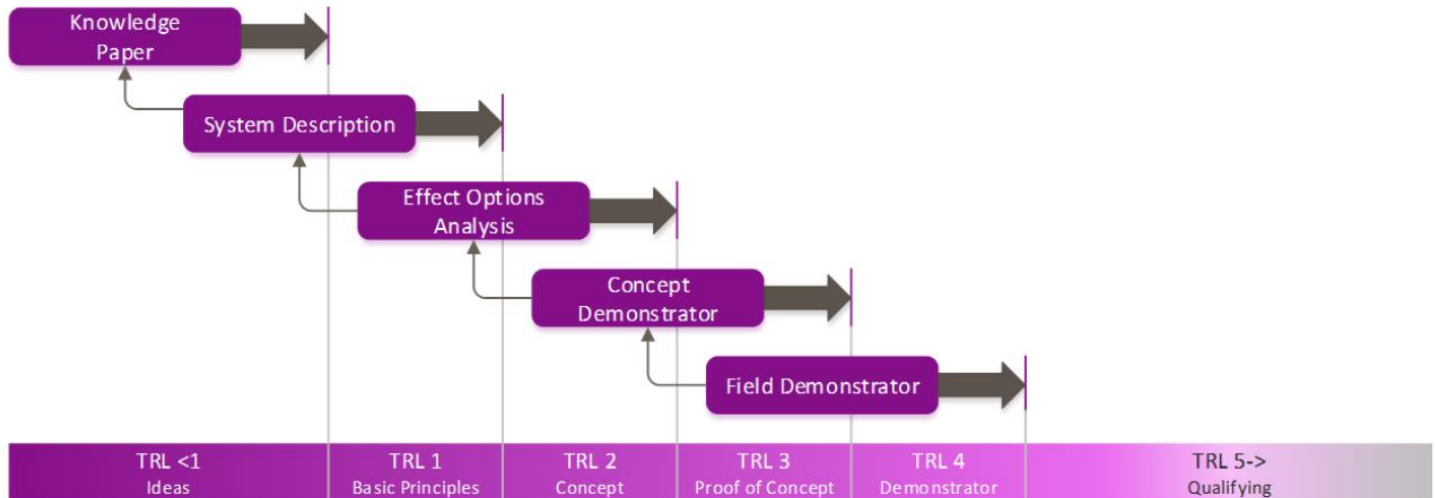
- No need for in house specialist knowledge – Leidos can provide this
- Validate effectiveness of current security safeguards
- Provides a quantifiable value to the risk internal systems and sensitive data face in the event of a breach.

OVERVIEW

The Vulnerability Research Service provides access to Leidos' in-house Offensive Cyber Operations (OCO) Research and Development (IR&D) programme, operated globally. It is an innovative attack and exploitation capability designed to conduct exploit development, and technology research against defined target system, be they internal, or external.

Service components

The Cyber VR service provides access to different parts of the VR lifecycle.



System of Interest - Knowledge Paper

An overview of area of interest providing a People, Process, Information, Technology and Facilities narrative of how an area of interest operates. This stage in the VR process sets the foundations of any future work, by providing standard definitions, scope boundaries and high-level concept of operations.

System of Interest - System Description

Within a system definition, a system description will provide the reader with as detailed as possible understanding of how that system operates, given a use case provided by the customer.

Effect Options Analysis

Based on the system description, Effect Options Analysis will provide the reader with potential ways a threat actor may achieve a particular OC related outcome, as described by the customer. The service will go on to describe the pros and cons of each vector and the relative risks and merits given the outcome provided by the customer.

Effect Concept Demonstrator

If the customer has selected a particular attack vector, the Effect Concept Demonstrator will be Research and Development (R&D) effort to prove the validity of any feasibility assertions described in the options paper. This will be in a simulated, unrepresentative environment and will only provide that conceptually the vector is achievable.

Effect Field Demonstrator

Building on the work of the Concept Demonstrator, this service will mature the concept to demonstrating it being functional within a representative environment.

Leidos services cover all areas of cyber engineering, our workforce is comprised of a diverse collection of individuals, each bringing their knowledge and experience, and when combined with the wisdom we have compiled over time and the track record generated, we are proud and confident that our services represent the very best on offer.

2 ANY ONBOARDING AND OFFBOARDING SUPPORT YOU PROVIDE

Where relevant, Leidos will adopt a consultative approach with customers to define and validate their requirements in order to determine how best to engage with the services. The onboarding and offboarding process is dependent on the specific requirements of the solution, and the delivery methodology agreed upon.

3 PRICING

Please refer to the associated Pricing Document relevant to this Service.

4 TERMS AND CONDITIONS

Please refer to the associated Terms and Conditions Document relevant for our Service Offerings.

5 FURTHER INFORMATION

Please send your requirement to publicsector@uk.leidos.com. Alternatively, if you wish to discuss your requirements in more detail, please send us the following information and we will be happy to contact you:

1. Your organisation name.
2. The name of this service.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

ABOUT LEIDOS

Leidos is a leading partner to the UK government and the Scottish government as well as having key client partners in transportation and energy. Leidos employs 1300 people across the UK supporting technology and business process transformation programmes for clients such as the Home Office, the Ministry of Defence, the Metropolitan Police Service and NATS.

The success of this work in the UK and beyond shows that we are a trusted partner in the region and that our people can deliver innovative solutions to solve the most challenging problems.

LEVERAGING OUR CORE CAPABILITIES

Our technical core capabilities define the areas in which technical excellence is critical, not only for our business, but in the work we do daily to help customers achieve the important missions on the frontlines of their industry. Explore our core capabilities [here](#).



Digital Modernisation



Cyber Operations



Mission Software Systems



Integrated Systems



Mission Operations



INCLUSION AND DIVERSITY IN LEIDOS UNITED KINGDOM

Leidos is committed to creating a diverse and inclusive workplace, where every colleague has the opportunity to contribute, share their unique ideas and talents, and be supported in their career. Explore Inclusion and Diversity in the UK [here](#).

SOCIAL VALUE

We're committed to supporting sustainability initiatives, tackling workforce inequality and STEM education by enriching the communities to our operations. Learn more about Social Value in the UK [here](#).