# Accelerating Asymmetric Advantage – Delivering More, Together

## **DEFENCE INNOVATION, SCIENCE AND TECHNOLOGY STRATEGY**

View the strategy online dst.defence.gov.au ist-strategy



VISION

Australia's Defence Innovation Science and Technology accelerates the delivery of asymmetric capabilities and drives focused strategic research into the next generation of advanced capabilities.

MISSION

Create capability advantage for *National Defence* through innovation, science and technology.

**APPROACH** 

Our people are our most important and valued resource. Stakeholders across the Defence IS&T Ecosystem will **focus** on high priority problems, partnering in a secure manner to increase **scale** in order to deliver **impact** to *National Defence*.

### STRATEGIC PRIORITIES

#### Defence IS&T Priorities

Hypersonics

Quantum Technology

Directed Energy Information Warfare

Trusted Long-Range Autonomy Fires

#### AUKUS Pillar II Advanced Capabilities

Undersea Capabilities Quantum Technology

Advanced Cyber Hypersonics and Counter-Hypersonic

Capabilities

Artificial Intelligence and Autonomy

Electronic Warfare

# LINE OF EFFORT

#### **ANTICIPATING THE FUTURE**

## EXPERIMENTATION

## INTEGRATED ECOSYSTEM

#### MISSION DRIVEN

- Identify emerging and disruptive IS&T to create capability impact for the warfighter.
- S&T foresight to detect emerging trends and areas to exploit for future asymmetric advantage.
- Future-proofing Defence through targeted investment and research in emerging and disruptive technologies.
- Articulates Defence priority challenges to focus investments in strategicallyimportant IS&T.
- Defence-wide experimentation, using operations analysis, wargaming and prototyping, with inputs from across industry and universities, to guide IS&T directions.
- The warfighter shapes the ways emerging and disruptive technology is employed through training during exercises and ensuring 'on ramps' to facilitate the transition of capability.
- Drives asymmetric advantage into the One Defence Capability System.

- Harnesses key international partnerships (both bilateral and multilateral) to develop and deliver capabilities aligned with shared strategic priorities.
- Demand signals clearly articulated to all stakeholders to ensure an integrated Defence IS&T Ecosystem.
- Partnerships to build and leverage national shared infrastructure.
- Increases opportunities to grow and nurture the Australian STEM talent pool, to ensure a supply of Defence IS&T professionals into the future.

- Mission driven IS&T activities will be scaled to the appropriate size to deliver impactful outcomes for the warfighter.
- International partnerships will be enhanced for capability impact.
- Accelerate capability development and support procurement reform and sovereign industrial capacity.

CRITICAL IS&T FOUNDATIONS

Partnerships

People

Infrastructure

Security

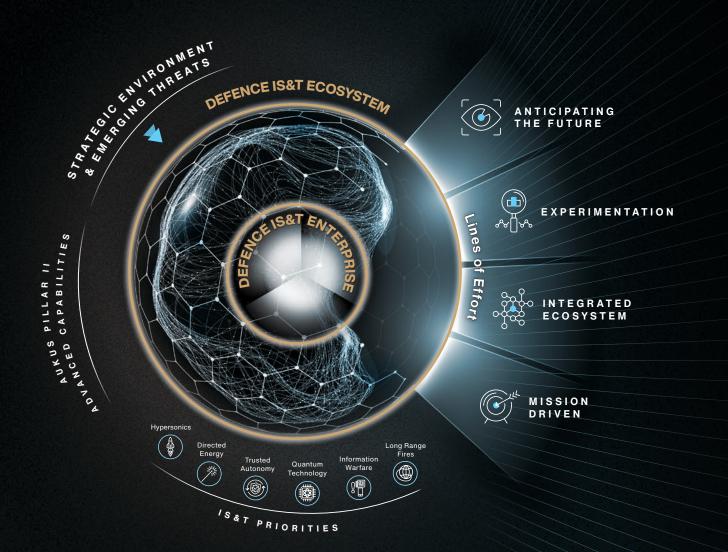
DEFENCE IS&T IS:

A STRATEGIC ASSET

MISSION DRIVEN OPERATING AT THE SPEED OF STRATEGIC RELEVANCE

SECURE BY DESIGN EMBRACING RISK BUILT ON PARTNERSHIPS

# **Accelerating Asymmetric Advantage**



# **Strategic Objectives**



CONTRIBUTE TO THE STRATEGY OF DENIAL



GENERATE ASYMMETRIC
ADVANTAGE



ACCELERATE INNOVATIVE SOLUTIONS INTO CAPABILITY



GROW OUR DEFENCE IS&T ECOSYSTEM THROUGH STRATEGIC PARTNERSHIPS

The Defence IS&T Ecosystem encompasses broader stakeholders, such as industry, universities, research organisations and other Government agencies/departments.

It will be shaped by Defence and Government strategic priorities.

The Defence IS&T Enterprise encompasses all IS&T elements within the Department of Defence, including all Groups and Services, as well as Portfolio Agencies such as the Australian Signals Directorate and Australian Submarine Agency.