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Defence 101

An introduction to the Australian Defence Force

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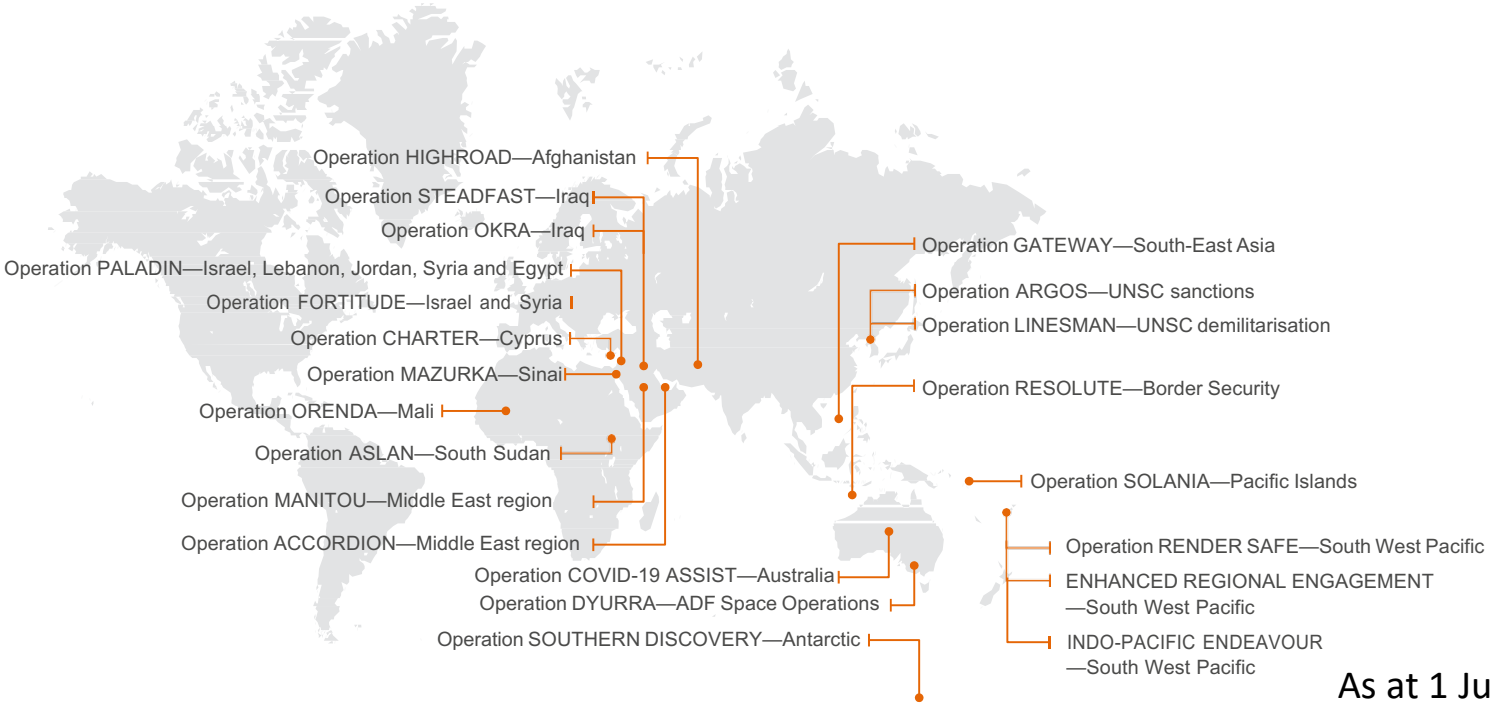
Australian Defence Force

- Purpose
  - To defend and protect Australia and advance its strategic interest.
- Strategic Objectives
  - To shape Australia’s strategic environment.
  - To deter actions against Australia’s interests.
  - To respond with credible military force, when required.

Other ADF Roles

- supporting international security and counter-terrorism initiatives
- protecting our borders from illegal activity and incursions
- supporting humanitarian and peacekeeping operations, and
- helping communities affected by natural disasters.

ADF Operations

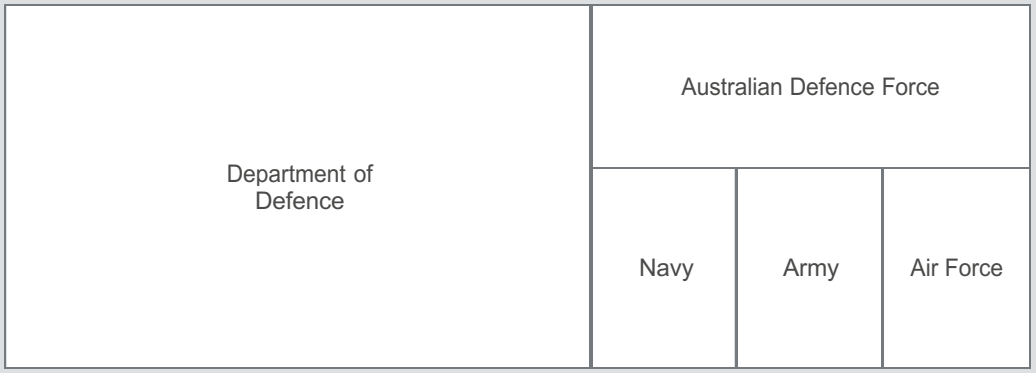


As at 1 July 2020

Source: The Australian Government Department of Defence

Defence Portfolio

Minister of Defence	Minister for Veterans Affairs and Minister for Defence Personnel
Assistant Defence Minister	Minister for Defence Industry
Secretary	Chief of the Defence Force



- Australian Signals Directorate
- Defence Housing Australia
- Military Justice appointments
- Trusts, companies and other statutory offces and entities

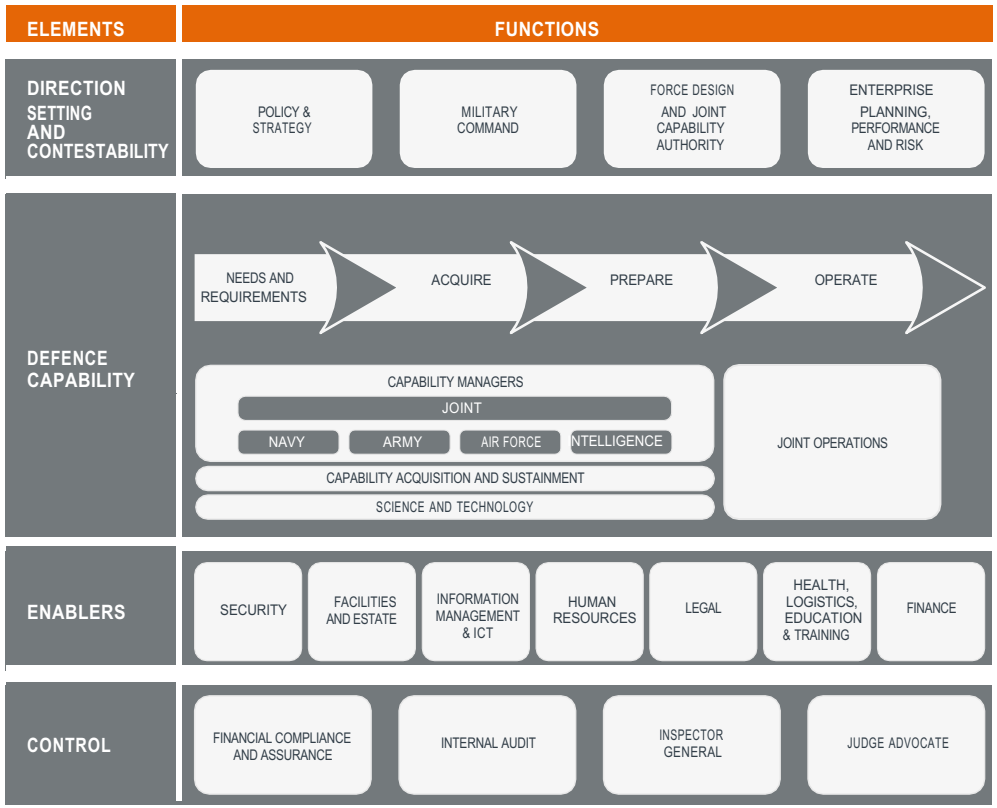
Source: The Australian Government Department of Defence

Defence People

- A professional military force of highly trained personnel
- Defence has a total of 92,666 personnel
  - 58,476 Permanent ADF members;
  - 17,328 ADF Reserve members (active)
  - 16,862 Defence APS employees
- Defence employs an estimated 28,632 contractors
  - 21,811 outsourced service providers (base services, IT etc.)
  - 6,567 above-the-line contractors
  - 255 specialist consultants

Source: The Australian Government Department of Defence

One Defence Structure



Source: The Australian Government Department of Defence

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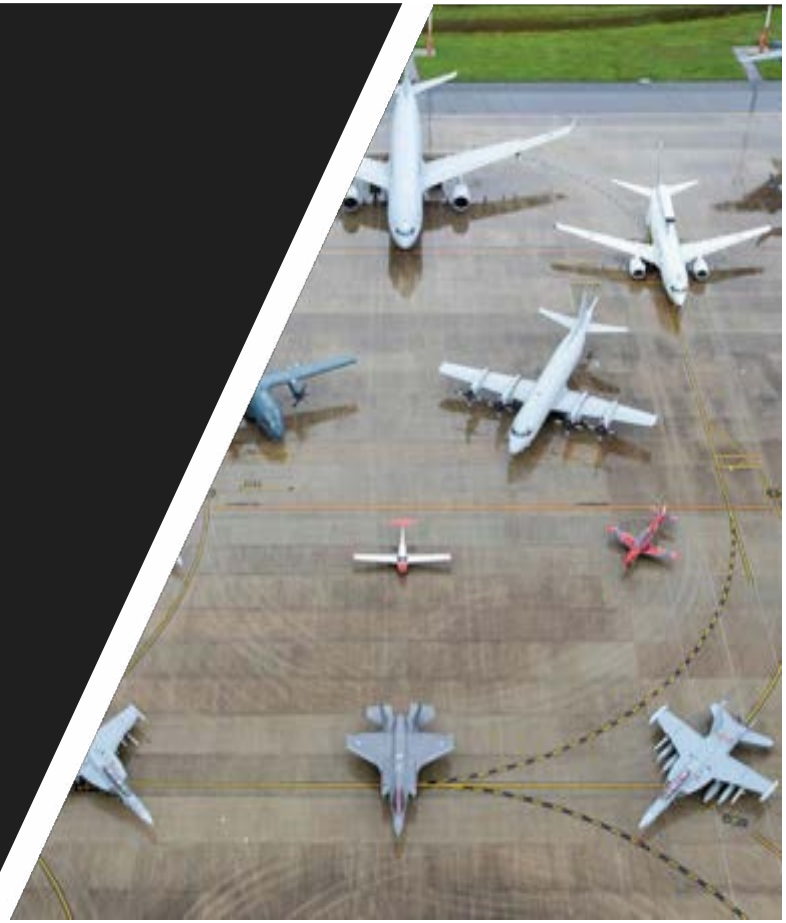
Defence Capability

2020 Force Structure Plan

- The Force Structure Plan will further improve the lethality of the ADF, provide the Government with more flexibility to deal with grey-zone challenges, adapt to accelerating technological advances, and increase Defence's ability to successfully project military power.
- The plan also provides increased investment to build a sovereign industrial base that is internationally competitive, innovative and high-tech to meet Australia's defence capability needs and national economic goals.
- The Government has budgeted over $575 billion of Defence funding over the next decade, including $270 billion in new capability investment.

Source: The Australian Government Department of Defence



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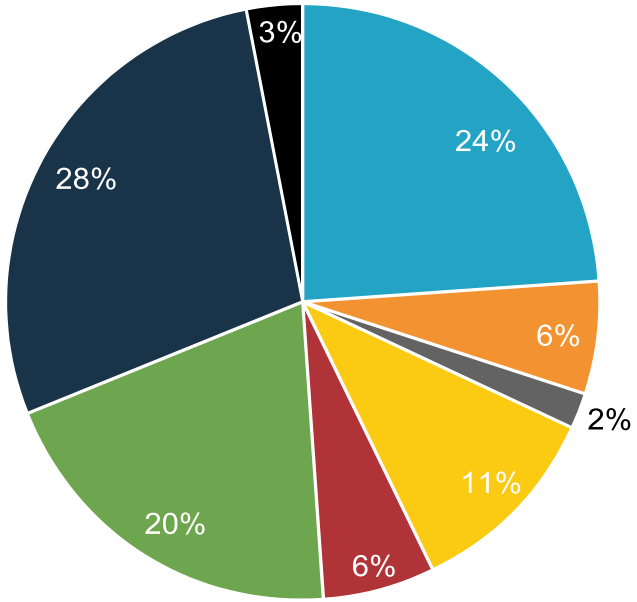
Capability Investment 2020-30



Source: The Australian Government Department of Defence

Air Domain

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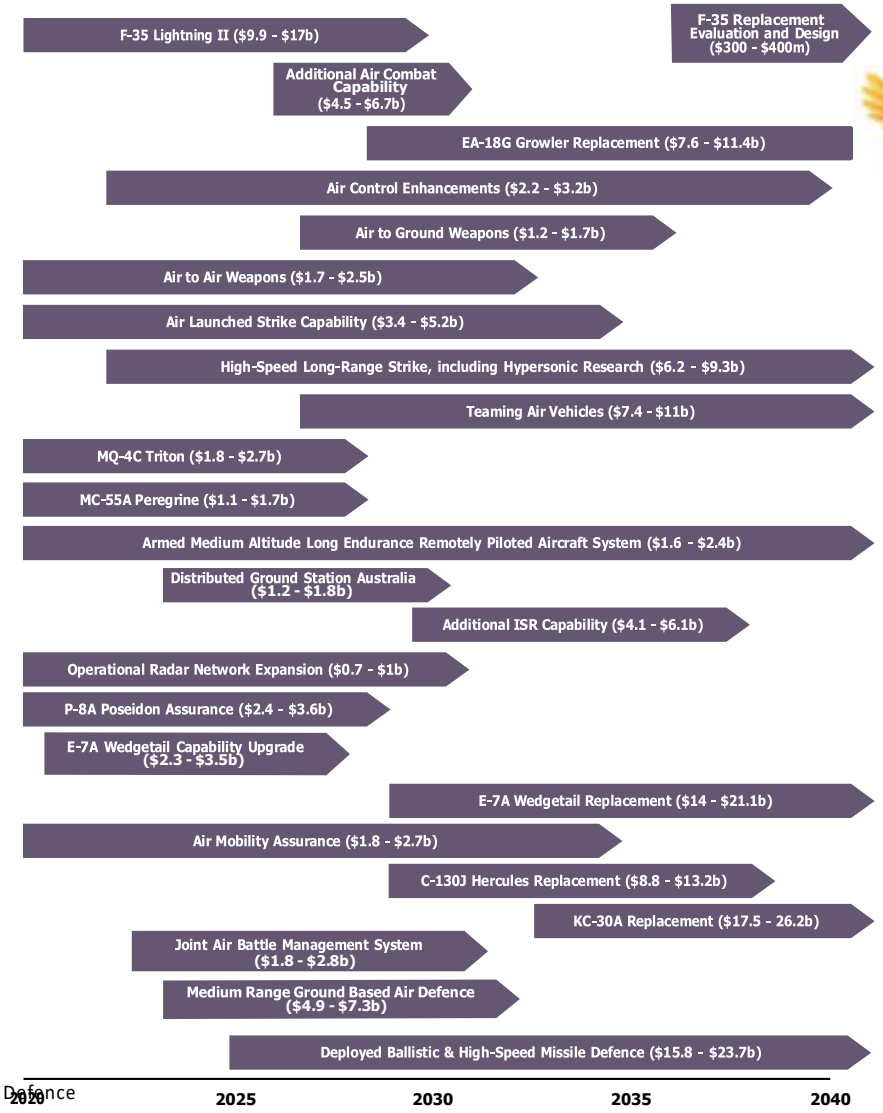
- Air combat
- Air intelligence, surveillance, reconnaissance and electronic warfare
- Air mobility
- Combat air support
- Integrated air and missile defence
- Maritime patrol and response

Key Air Domain Investments 2020-2040

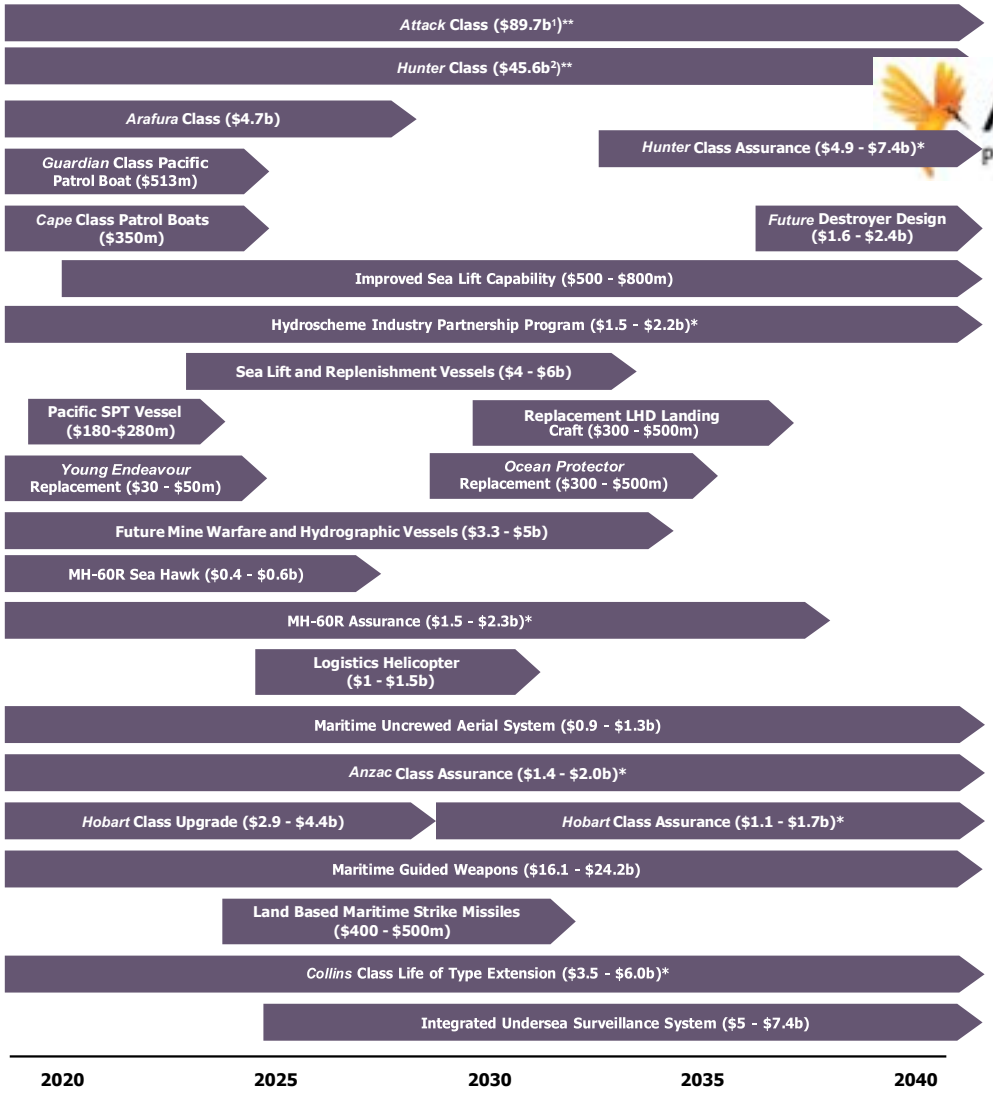


Source: The Australian Government Department of Defence

Maritime Domain

- Maritime surface and above water combat
- Undersea warfare
- Maritime mine warfare, patrol geospatial
- Maritime combat Support and amphibious
- Maritime command and control, communications, computers, cyber, intelligence & surveillance (C5ISREW)

Key Maritime Domain Investments 2020-2040



Source: The Australian Government Department of Defence

Land Domain

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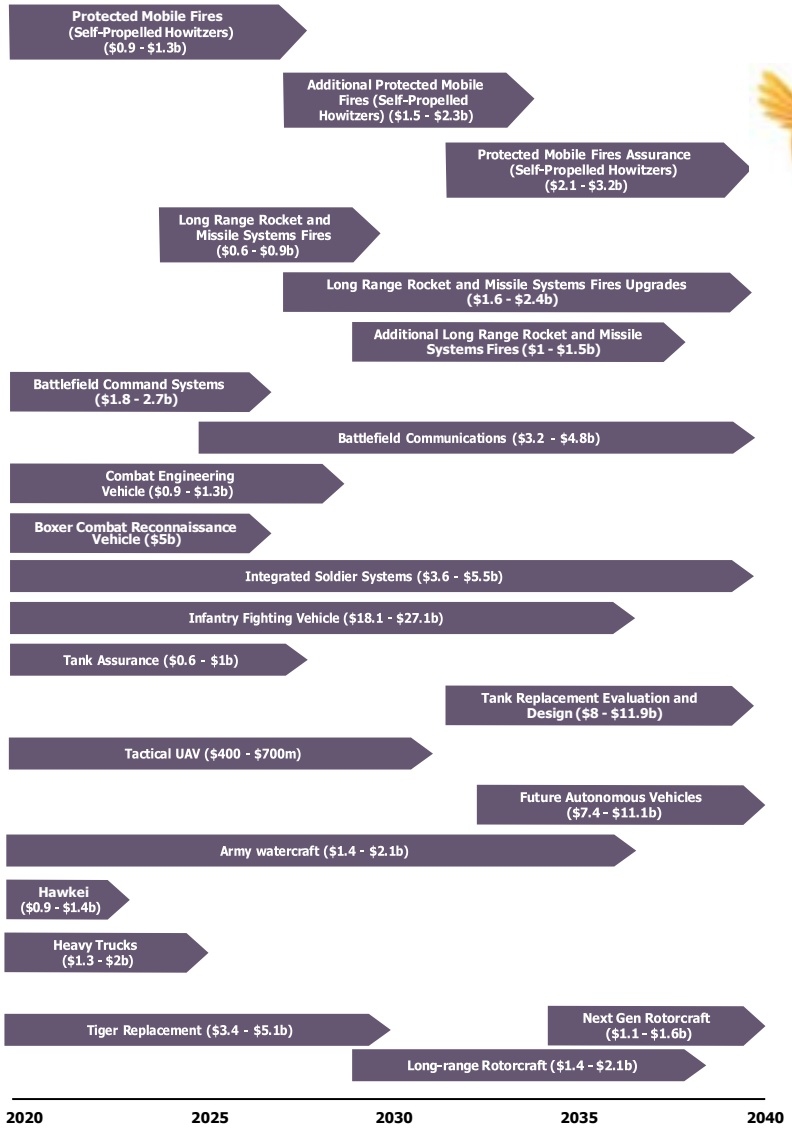
- Land combat vehicles
- Land combat support
- Land combat mobility
- Battlefield aviation
- Dismounted systems
- Special operations
- Land intelligence, surveillance, reconnaissance and electronic warfare
- Land command, control, communications and computers (C4)

Key Land Domain Investments 2020-2040



Source: The Australian Government Department of Defence

Information and Cyber Domain

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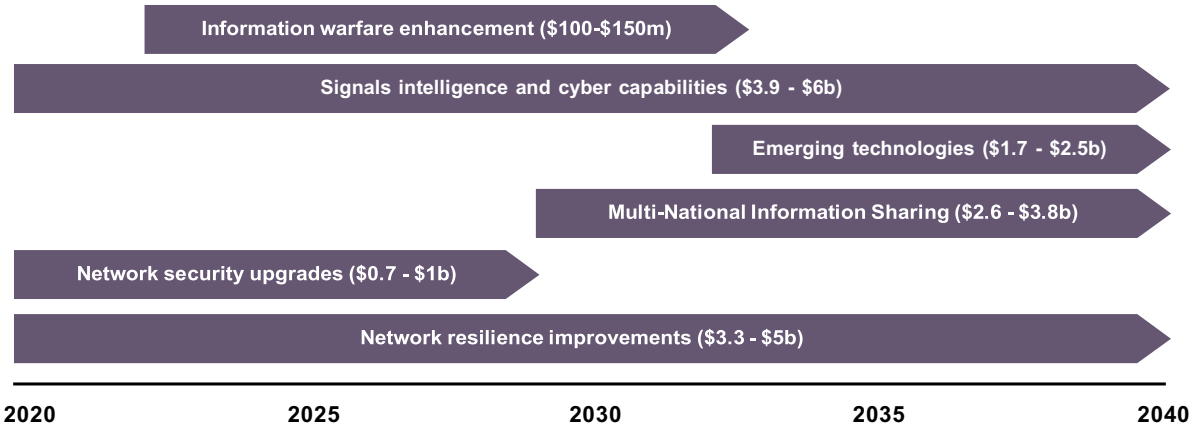
- Joint cyber
- Joint intelligence, surveillance and reconnaissance
- Joint electronic warfare
- Strategic intelligence and cyber
- Enhanced cyber security defenses

Key Information and Cyber Domain Investments 2020-2040

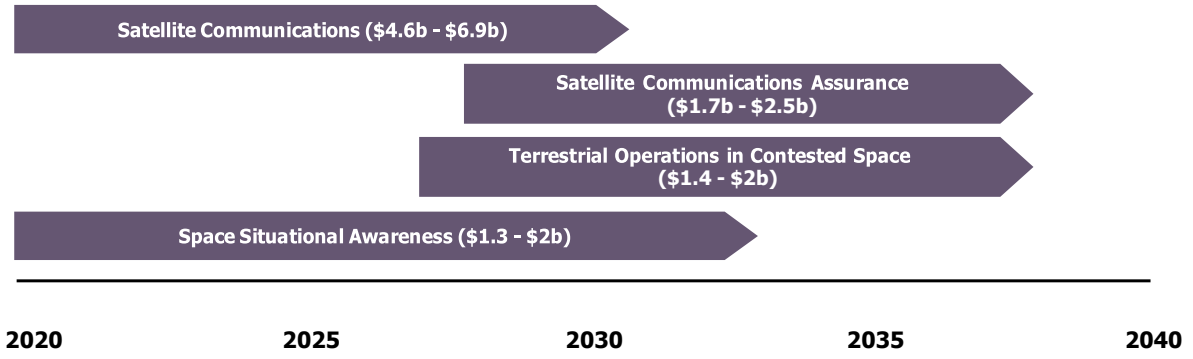


Source: The Australian Government Department of Defence

Space Domain

- Space Capability
  - Space Services
  - Space Control

Key Space Domain Investments 2020-2040



Source: The Australian Government Department of Defence

Estate and Infrastructure

- Infrastructure includes bases, ports, airfields, training areas and logistics facilities
- Government has committed $30 billion to Defence infrastructure investment over the next decade.

Defence Science & Technology Group

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- Roles
  - Supporting operational capability with science and technology expertise.
  - Providing support to Defence to sustain and enhance current capability.
  - Providing support throughout the genesis, development, acquisition and introduction to service of major capability projects.
  - Investigating client-focussed future concepts, contexts and capability.

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Capability Life Cycle

Capability Life Cycle

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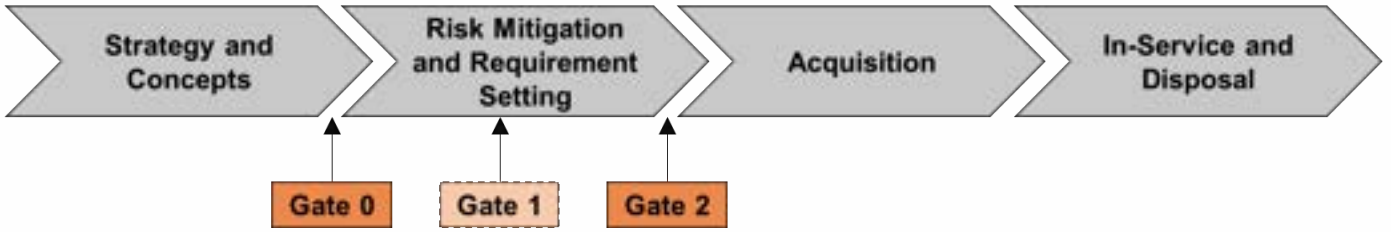
- The Capability Life Cycle is the process of linking strategic direction, developing concepts, defining requirements, acquisition, introduction into service, sustainment, upgrade and disposal of major capital assets (equipment, facilities and ICT).

Capability Life Cycle

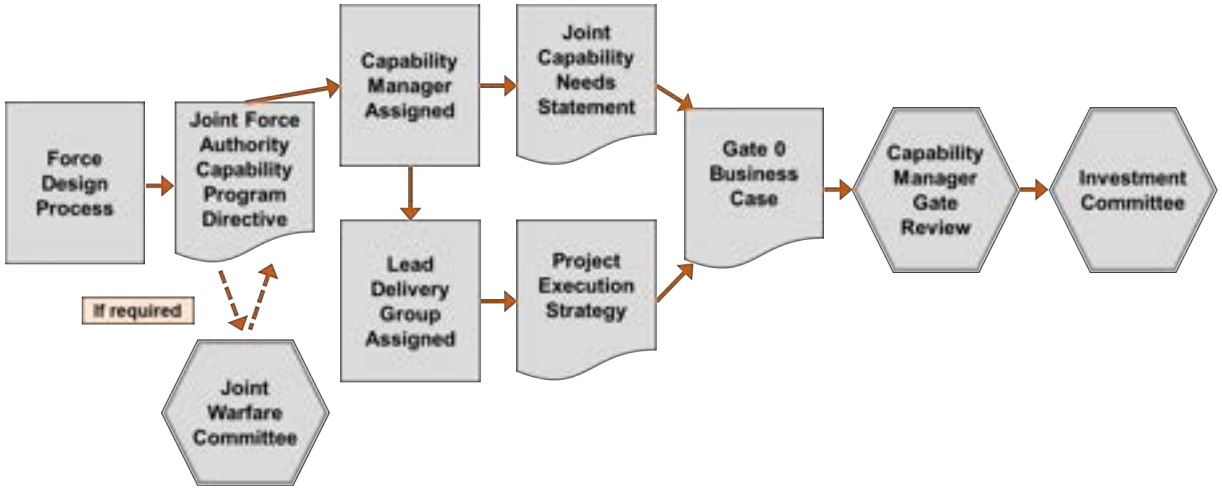


Source: The Australian Government Department of Defence

Fundamental Inputs to Capability

- Organisation
- Command and Management
- Personnel
- Collective Training;
- Major Systems
- Facilities and Training Areas
- Supplies
- Support
- Industry

Project Initiation Process

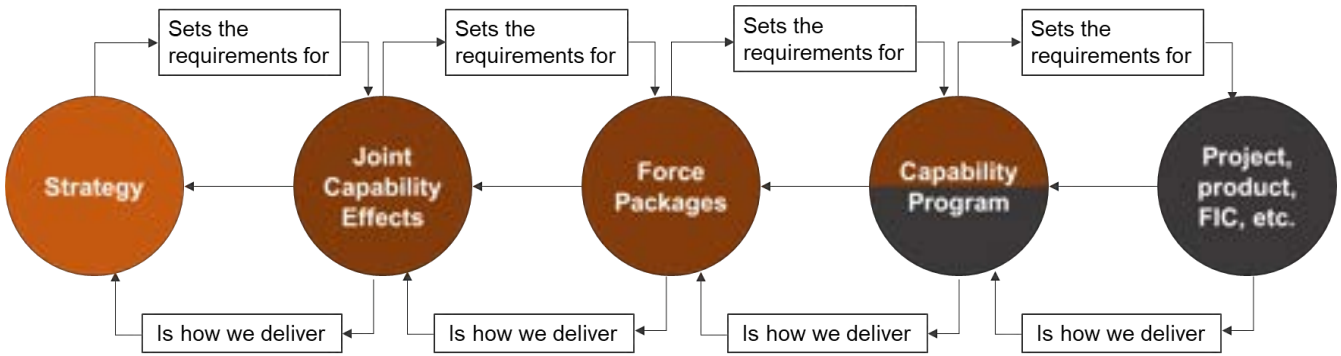


Source: The Australian Government Department of Defence

Force Design

- The Force Design process translates strategic direction (i.e. Defence White Paper and 2020 Strategic Update) into a future force structure.
- Joint Capability Effects required to deliver the strategic outcomes are determined.
- Then the force packages needed to deliver these effects are identified.
- In turn, the Capability Programs deliver the various elements that collectively make up the Force Packages.

Force Design

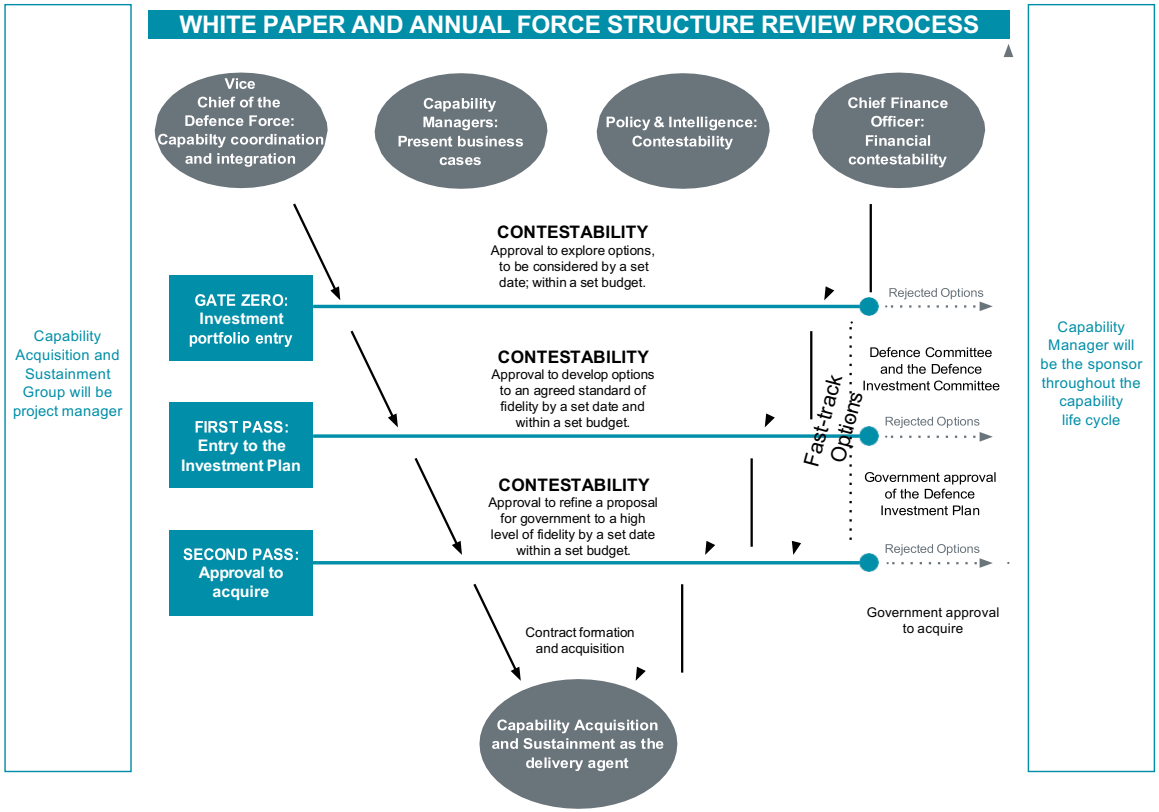


Source: The Australian Government Department of Defence

Defence Investment Approvals

- Gate 0
  - The Gate 0 Business Case is considered by the Investment Committee with a focus on an early high-level review of the capability need, options development, risk and strategy.
- Gate 1
  - First Pass consideration provides Government with the opportunity to provide strategic direction to the project at an early stage.
  - Gate 1 is not a commitment to acquire a new capability.
- Gate 2
  - Second Pass approval represents the Government approval to acquire the capability, including the major capital asset and associated support and sustainment.

Defence Investment Approval Process



Source: The Australian Government Department of Defence

Integrated Project Management Team

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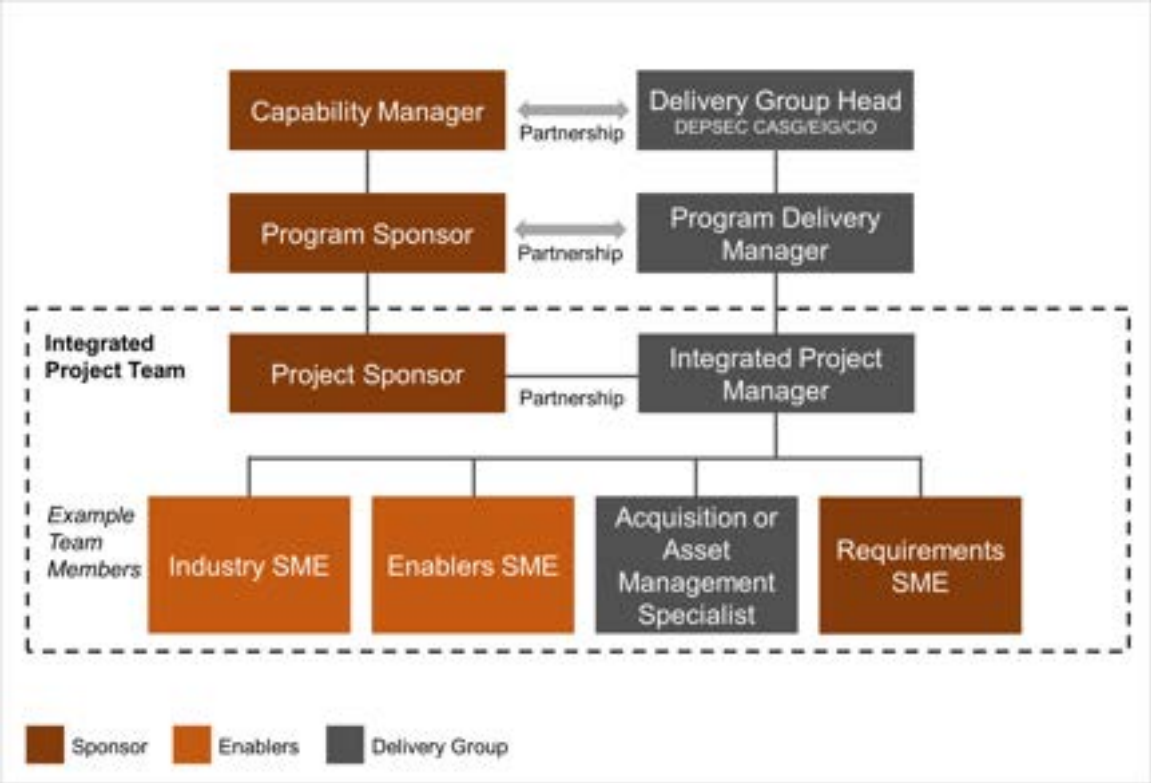
- The Integrated Project Management Team is formally established after Investment Committee approval.
- The Integrated Project Management Team should include subject matter experts in:
  - relevant Fundamental Inputs to Capability;
  - requirements facilitation and development;
  - acquisition;
  - contract management; and
  - industry.

Integrated Project Management Team



Source: The Australian Government Department of Defence

Smart Buyer Framework

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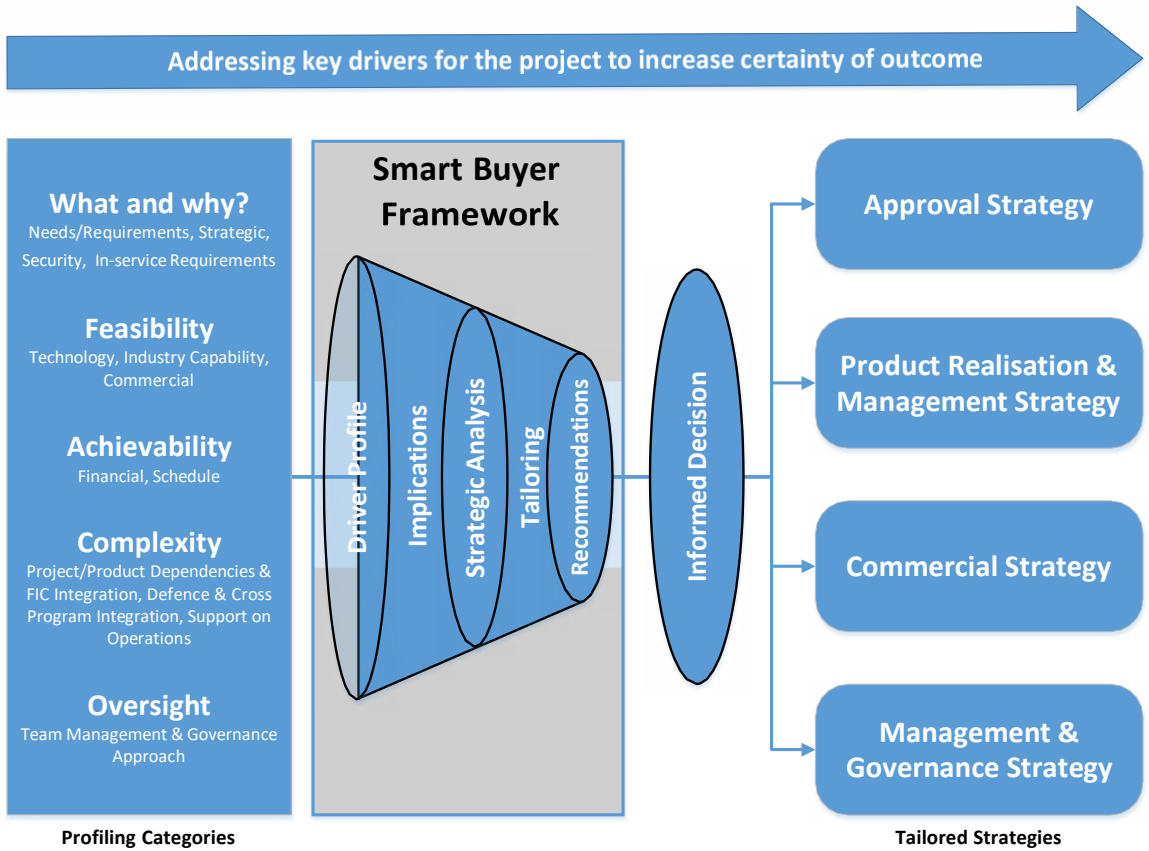
- Smart buyer is a formal decision-making process where stakeholders collaborate to identify and address project risks at key project milestones.

Smart Buyer Framework



Source: The Australian Government Department of Defence

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Defence Industry

Defence Industry Priorities

- A broader and deeper defence industrial base
- A strategic approach to defence industry investment
- An innovative and competitive defence industry
- A robust defence industry export capability
- A Defence and industry partnership that enables Australia to pre-position for the future.

Source: The Australian Government Department of Defence

Defence Support Services Panel

- The DSS Panel provides Defence access to services across a number of skills
  - Program Management Services;
  - Engineering and Technical Services;
  - Materiel Logistics Services;
  - Commercial Services;
  - Corporate Performance Services; and
  - Authoring and Writing Services.

Source: The Australian Government Department of Defence

Major Service Providers

- **Jacobs Beca Team** (**Jacobs Australia** and Beca Consultants)
- **KEY Team** (**Kellog Brown & Root** and EY)
- **Team Downer** (**Downer EDI Engineering Power,** AGIS Group, DXC Technology Australia, Systra Scott Lister Australia, Envista, and Providence Consulting Group)
- **Team Nova** (**Nova systems Australia**, QinetiQ and PricewaterhouseCoopers Consulting)

Source: The Australian Government Department of Defence

Major Services Provider Services

- **Strategic Partner services**
  - workforce planning and management, industry and supply chain development and management, workforce development, and work package planning and development.
- **Capability Partner services**,
  - primarily to CASG CoEs, by providing an agreed annual level of effort, and primarily in relation to pre- and immediately post-Gate Zero tasks.
- **Integrated Work Partner (IWP) services**,
  - undertaking larger and more complex Integrated Work Packages (IWPs) for CASG Domains and CoEs.

Source: The Australian Government Department of Defence

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- AeroPM strive to be the above-the-line-contractor of choice to Defence
- We provide support to Defence projects via the DSS Panel and through MSPs
- Our industry experts include;
  - Project Managers,
  - Project Engineering Managers,
  - Integrated Logistics Managers,
  - Test and Evaluation experts, and,
  - Certification and Airworthiness experts

Source: The Australian Government Department of Defence

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Working with Defence

Working with Defence

- Capability focus – understand your contribution
- "Value for Money" not profit – (VFM ≠ the cheapest)
- Military jargon / acronyms
- Military Ranks and APS levels

ADF Ranks

Source: The Australian Government Department of Defence

Key References

- Defence Strategic Update 2020
  https://www.defence.gov.au/StrategicUpdate-2020/
- 2020 Force Structure Plan
  https://www.defence.gov.au/StrategicUpdate-2020/
- The Defence Corporate Plan
  https://defence.gov.au/publications/corporateplan/
- Defence Industrial Capability Plan 2018
  https://www1.defence.gov.au/business-industry/capability-plans/defence-industrial-capability-plan
- First Principles Review
  https://www.defence.gov.au/publications/reviews/firstprinciples/docs/firstprinciplesreview.pdf

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