

# A Framework For Strategic Military Capabilities In Defense Transformation

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# Presentation outline

- Architecture of the ‘Capability Framework’
- Illustrative case study

# The capability paradigm

A military force is “only as effective today as current capabilities allow. And, in future, it will only be as effective as investments in new capabilities made today will allow”.

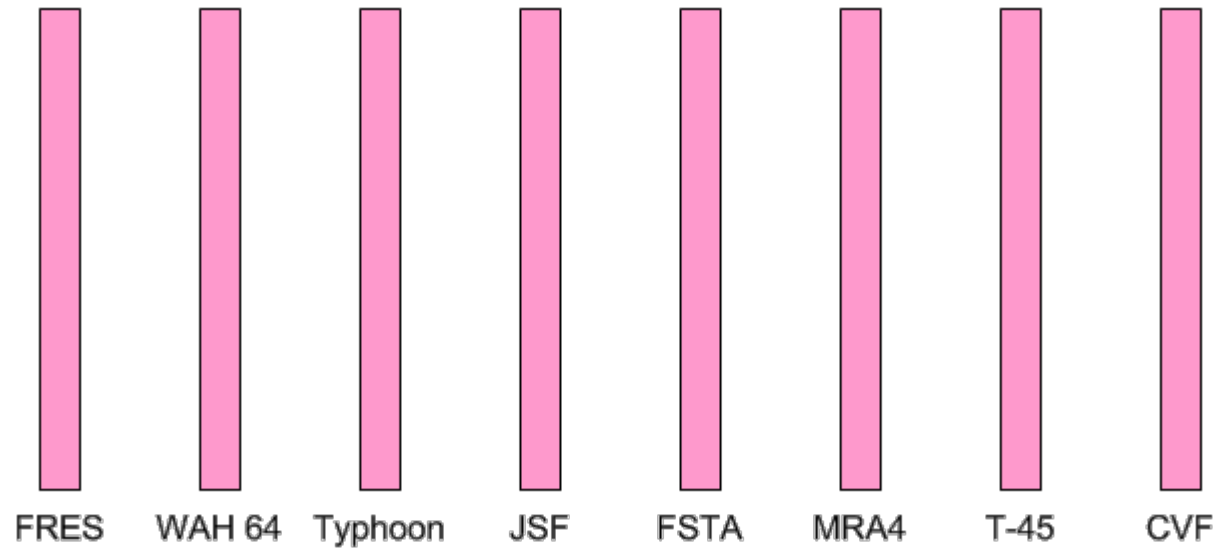
Source: Ankersen (2005)

# Generic architecture of the framework

Four concentric layers:

1. ***Building blocks*** (strategic platforms and common facilities)
2. ***Functional packages*** (force structures and environments)
3. ***Effects*** (strategic, tactical and operational)
4. ***Influencers*** (policy, commitments, threats, scenarios and concept of operations)

# Strategic platforms

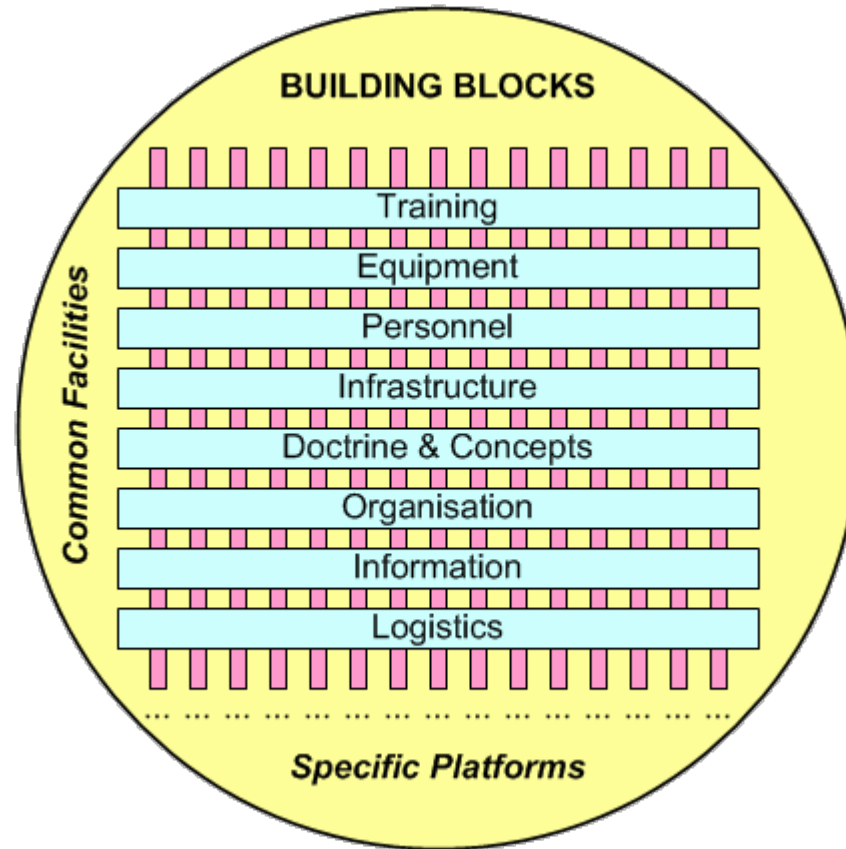


# Lines of development



Source: MoD Acquisition Handbook (2005)

# Layer 1



# National constructs

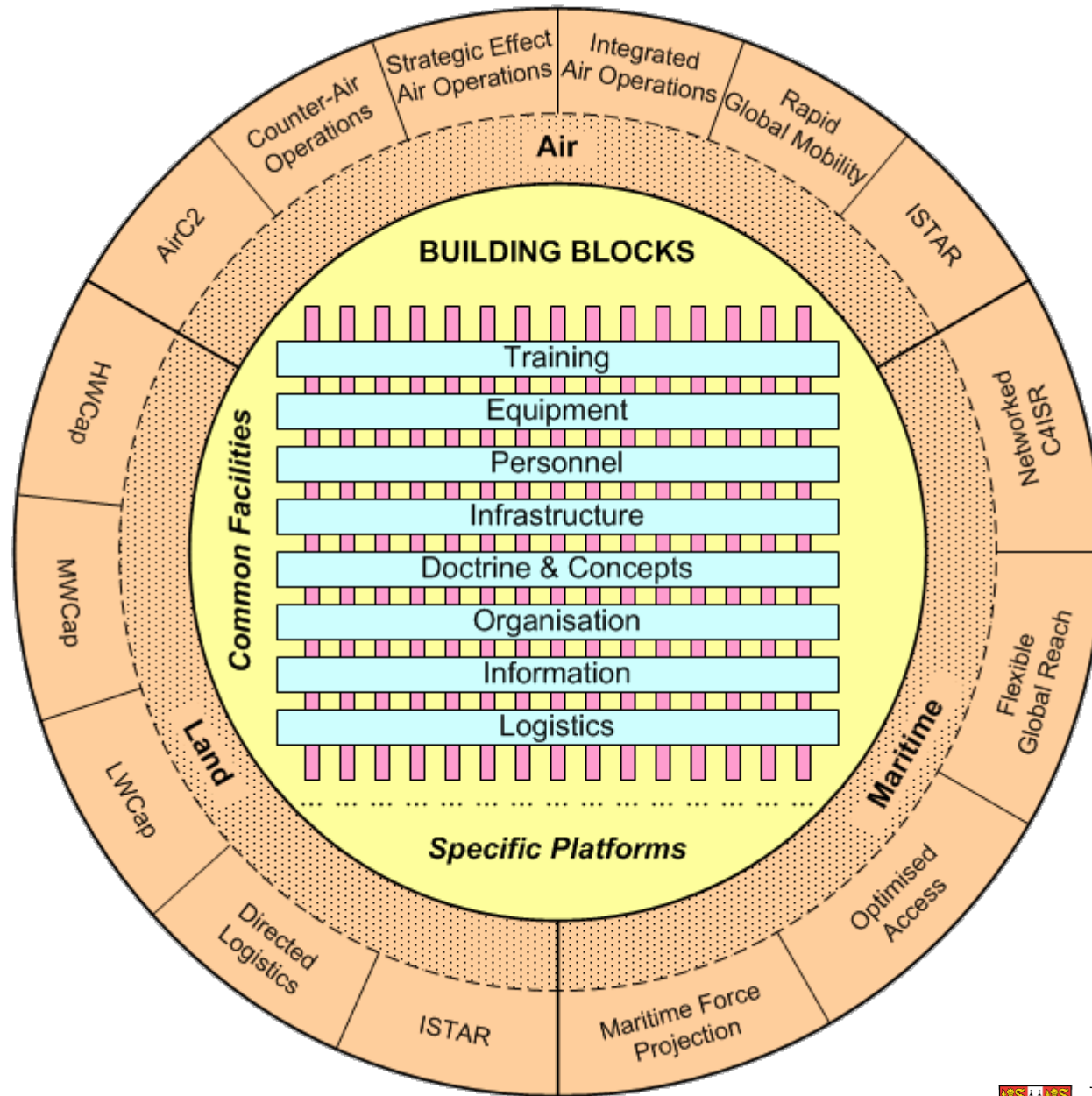
<b>AUS</b>	<b>CAN</b>	<b>UK</b>	<b>USA</b>
<ul style="list-style-type: none"><li>• Organization</li><li>• Personnel</li><li>• Collective training</li><li>• Major systems</li><li>• Supplies</li><li>• Facilities</li><li>• Support</li><li>• Command &amp; management</li></ul>	<ul style="list-style-type: none"><li>• Personnel</li><li>• R&amp;D / Ops research</li><li>• Infrastructure &amp; organization</li><li>• Concepts, doctrine &amp; collective training</li><li>• IT Infrastructure</li><li>• Equipment, supplies &amp; services</li></ul>	<ul style="list-style-type: none"><li>• Training</li><li>• Equipment</li><li>• Personnel</li><li>• Infrastructure</li><li>• Doctrine &amp; concepts</li><li>• Organisation</li><li>• Information</li><li>• Logistics</li></ul>	<ul style="list-style-type: none"><li>• Doctrine</li><li>• Organization</li><li>• Training &amp; education</li><li>• Materiel</li><li>• Leadership</li><li>• People</li></ul>



## Layer 2

The population of the framework by the three services (British Army, Royal Navy and Royal Air Force) allows each service to consider the future capabilities of the other two and to then explore what this means in terms of inter-service capability.

# Layer 2

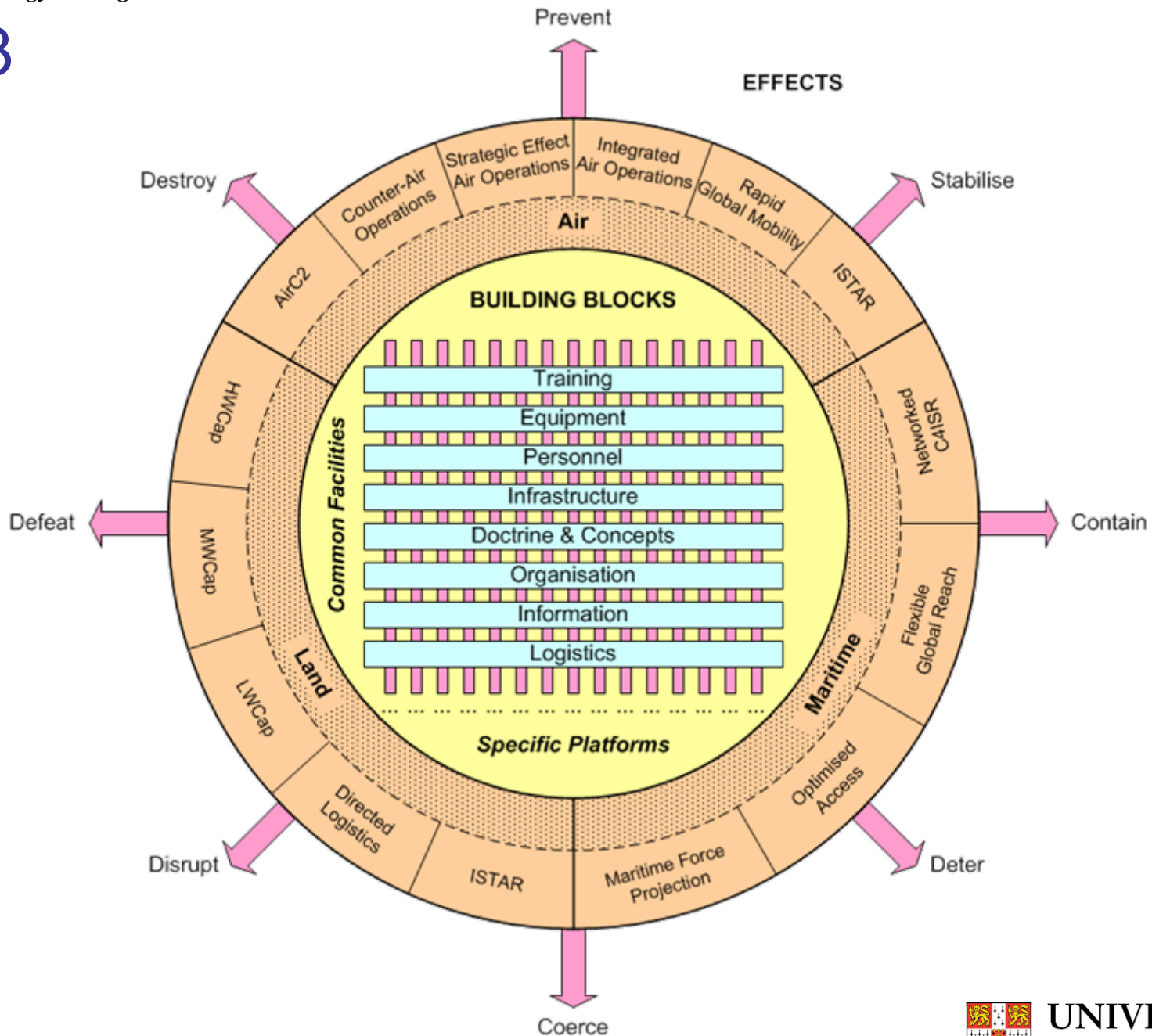


# Capability integration levels

- **Level 1** is concerned with integrating the LoD within an equipment project so that a capability is delivered and not just a new piece of equipment.
- **Level 2** is aimed at integrating capabilities across a single component (e.g. the Land Component) or within defined areas of a single component (e.g. the Medium Weight Capability).
- **Level 3** is aimed at integrating Land capabilities into the Joint arena.
- **Level 4** aims to achieve capability integration with allies.

Source: MoD Army Second Customer Handbook (2005)

# Layer 3



# Capability tracing

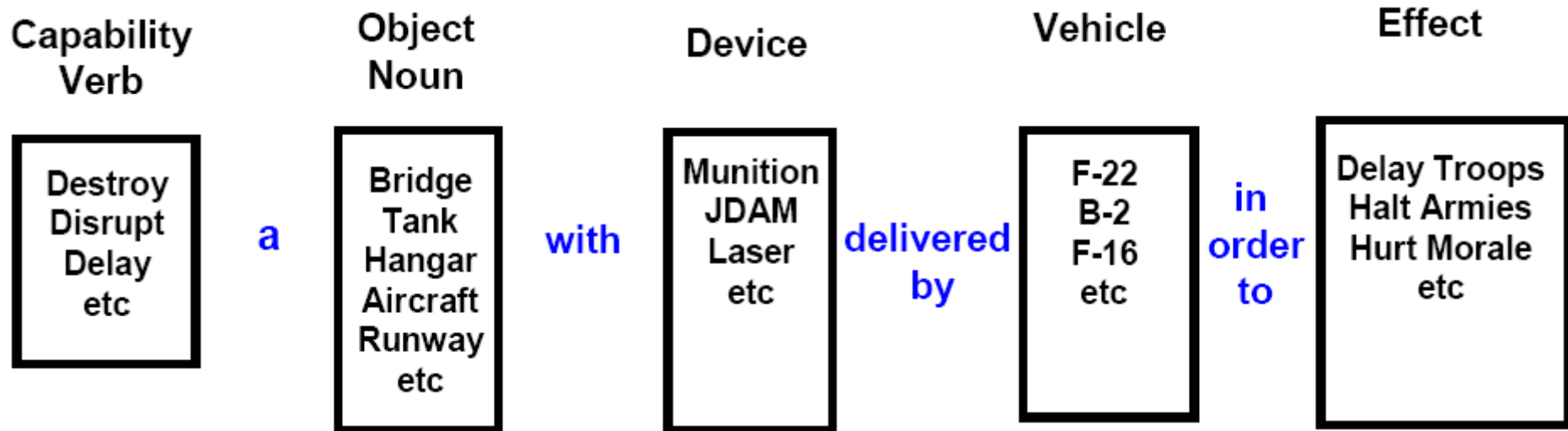
- **Resource driven view:**

Platforms → Effects

- **Output driven view:**

Effects → Platforms

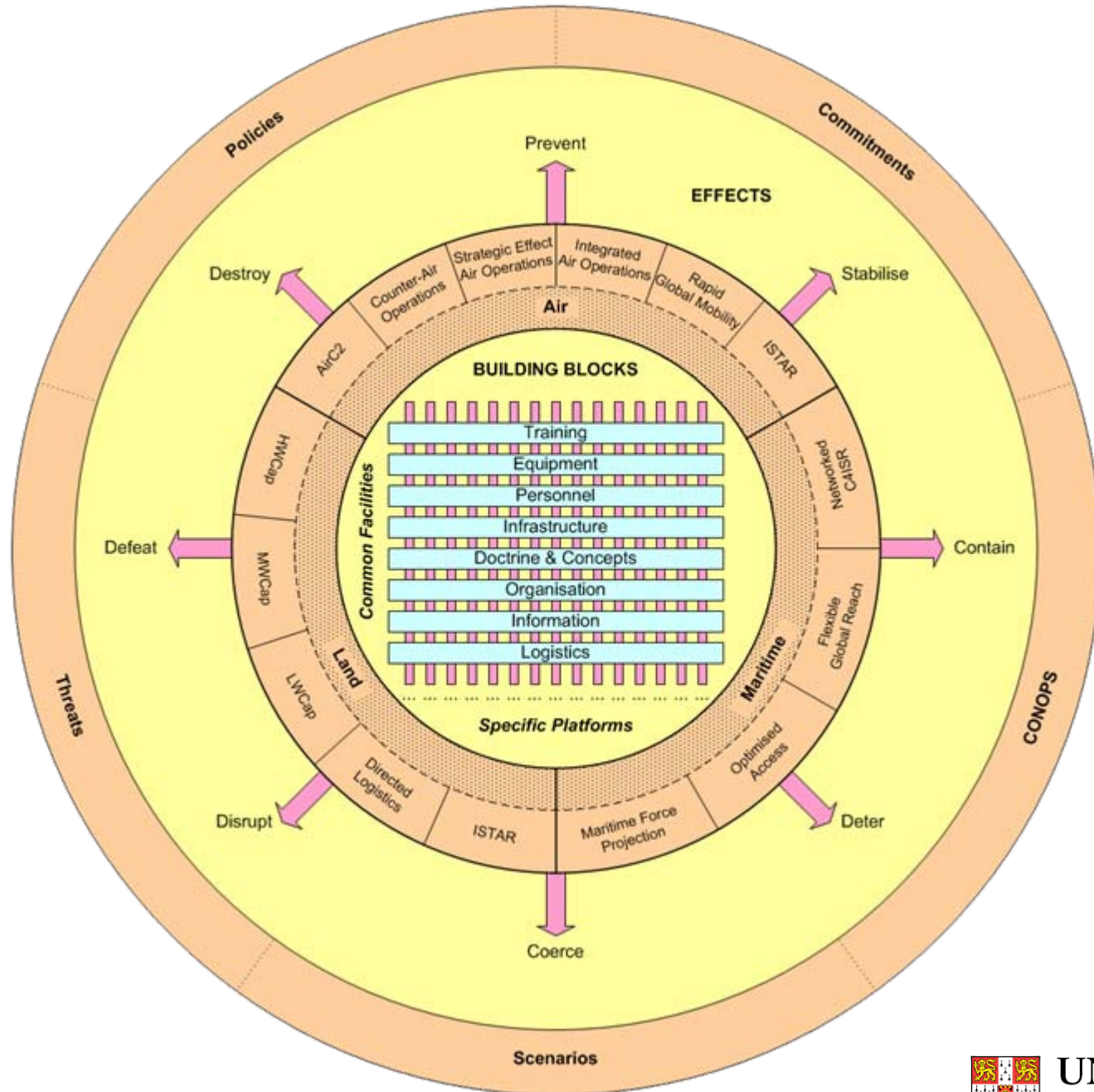
# Lexical capability construct



Have the **capability** to perform an action on an **object** with some **device** delivered by some **vehicle** in order to achieve the desired **effect**.

Source: Seiler & Ranne (2005)

# Layer 4



# Military tasks

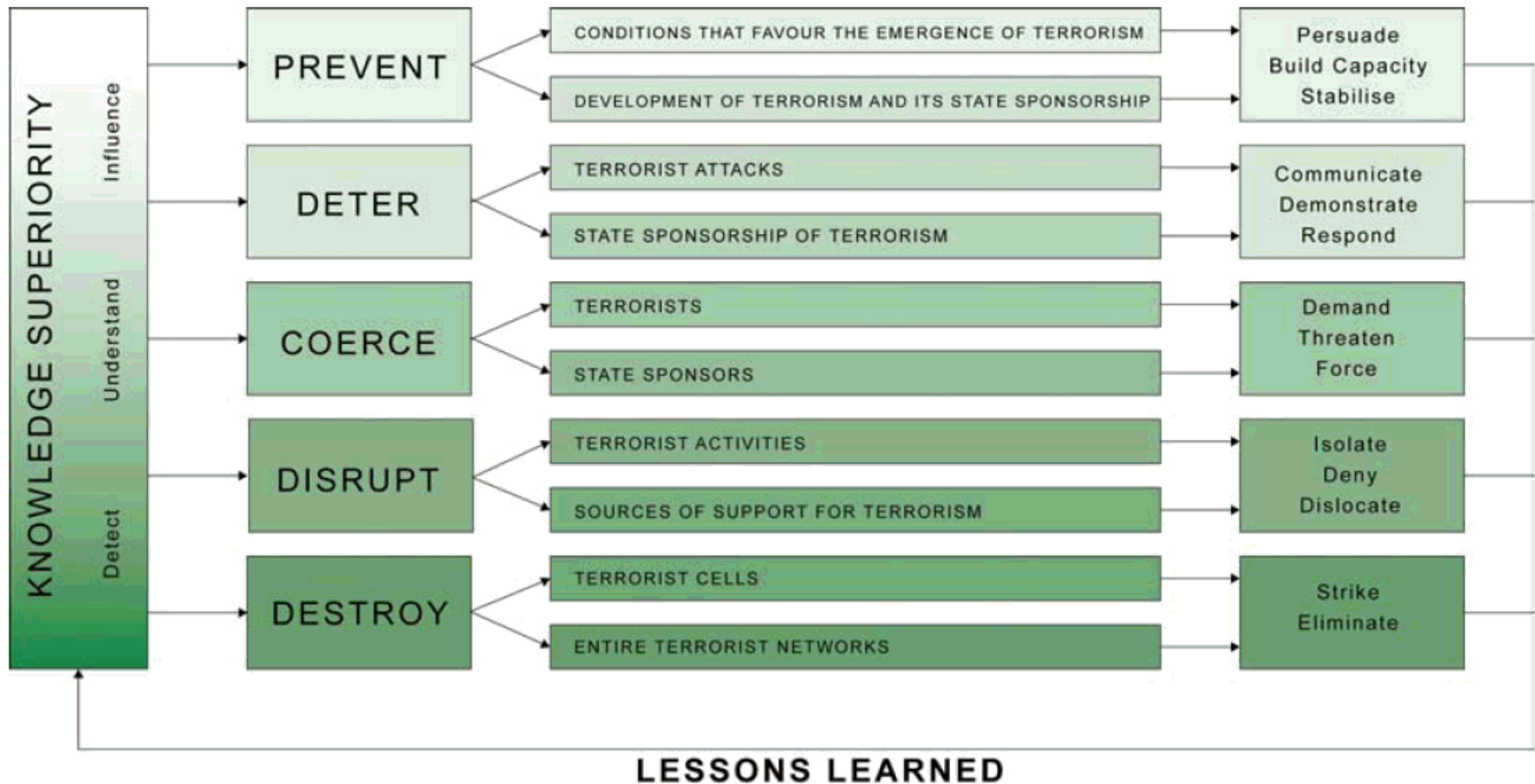
Standing Strategic Commitments	Standing Home Commitments	Standing Overseas Commitments	Contingent Operations Overseas
<ol style="list-style-type: none"> <li>1. Strategic intelligence</li> <li>2. Nuclear deterrence</li> <li>3. Hydrographic, geographic and meteorological services</li> </ol>	<ol style="list-style-type: none"> <li>4. Military aid to the civil authorities</li> <li>5. Military aid to the civil power in Northern Ireland</li> <li>6. Integrity of UK waters</li> <li>7. Integrity of UK airspace</li> <li>8. Public duties and VIP transport</li> </ol>	<ol style="list-style-type: none"> <li>9. Defence and security of the overseas territories</li> <li>10. Defence and security of the sovereign base areas of Cyprus</li> <li>11. Defence diplomacy, alliances and support to wider British interests</li> </ol>	<ol style="list-style-type: none"> <li>12. Humanitarian assistance and disaster relief</li> <li>13. Evacuation of British citizens overseas</li> <li>14. Peacekeeping</li> <li>15. Peace enforcement</li> <li>16. Power projection</li> <li>17. Focused intervention</li> <li>18. Deliberate intervention</li> </ol>

Source: MoD Delivering Security In A Changing World - Supporting Essays (2003)



# Asymmetric threats

## MoD's conceptual framework for countering terrorism



Source: House of Commons New Chapter to the Strategic Defence Review (2003)

# Summary

- Enter discussions of what capabilities are needed in the future
- Develop a visual representation of those future capabilities such that a shared understanding can be reached
- Develop individual transformation roadmaps and synchronize the associated capability development plans

Thank you very much for your attention.

Any questions?