

# UK UAS Enabling Infrastructure Programme

Brief to UK Drone Industry Action Group  
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# Atkins' UK UAS EI Programme

## Aim

For Atkins to develop, integrate and manage a systems of systems approach across all Enabling Infrastructure (EI) as discussed in the Government Response to the Drone White Paper

## Approach

- Atkins believe that for the UK UAS Enterprise to grow and be sustainable both Government direction and a number of foundations, Enabling Infrastructure (EI), are required
- Atkins are looking to harness existing skill sets and capabilities to help Government establish the foundations for the UK UAS Enterprise
- Solution must be system/technology agnostic at this stage

## Assumptions

- There is a demand for the UK drone market to expand beyond current constraints and processes
- Atkins believe that the major hurdle is routine BVLOS operations
- Government has the responsibility to establish the UK UAS enterprise
- Neither DfT nor CAA have the resource to develop, implement and manage the EI elements required

# Atkins Vision of the UK UAS Enterprise

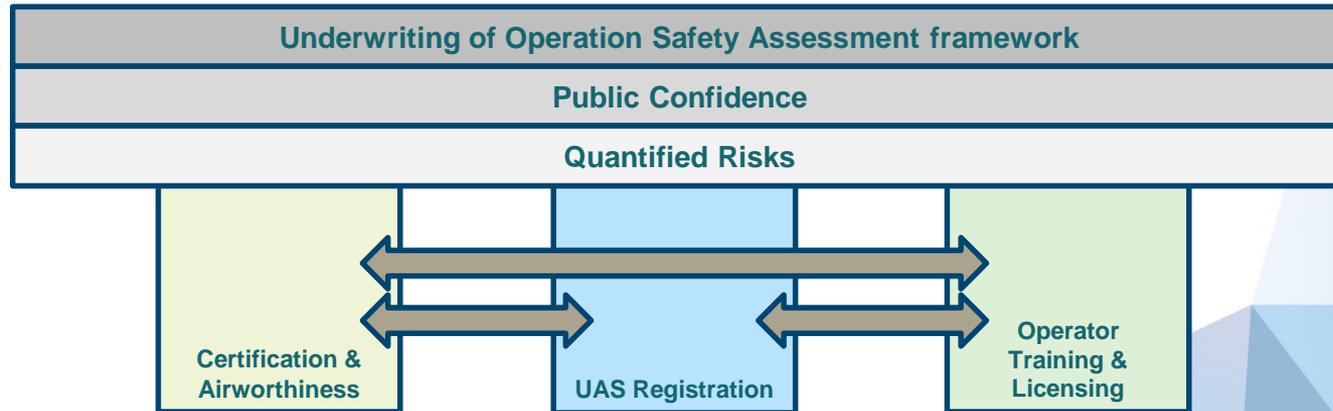
To support all potential UAS operations in the UK by:

- Replacing the current 'case-by-case' approach of seeking approval with one where there are clear guidelines that are applicable to both commercial and leisure users and proportionate to the level of risk
- Reducing the uncertainty, ambiguity and risk through a system of systems, akin to DVLA model:
  - Certification and airworthiness
  - Registration and identification
  - Training and licensing
- The frameworks provide the foundation upon UAS capabilities build

*'Regular, routine operations without the need for special authorisation'*

# What is Enabling Infrastructure

- National capabilities that enable International, European or National legislation
- Systems and processes that help provide direction, coherence and clarity to all stakeholders
- Systems that will allow greater control AND greater freedoms
- System must be sustainable from a commercial and resource perspective

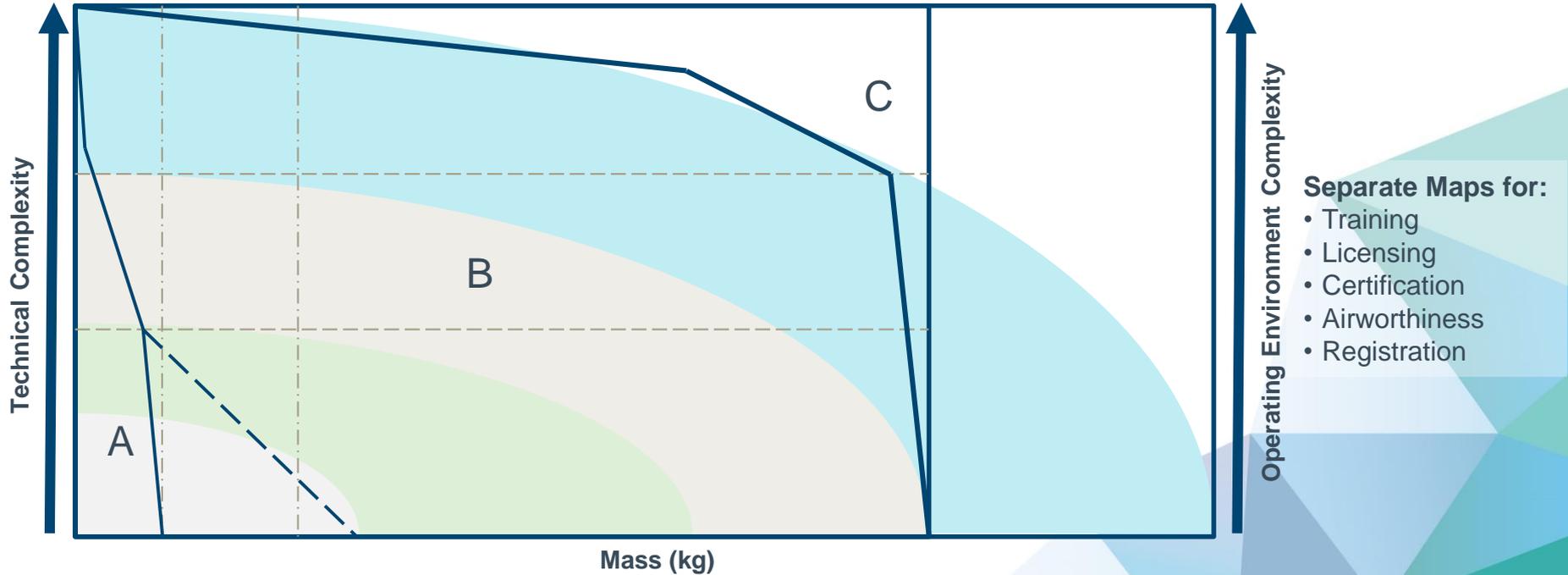


*System of systems approach across EI to ensure coherence and reduce risk?*

# Defining Enabler Requirements - Scalable Approach

Adapted from CAP722 UAS CONOPs Approval Requirements Map

ILLUSTRATIVE PURPOSES ONLY



# Discussion

- Validity of Proposed Approach
- Role for Atkins on Drone IAG and Sub-groups
- Role for Atkins supporting DfT, CAA, BEIS