



RPAS Ecosystem – Providing leadership and direction to enable a sustainable UAS industry

Drone Industry Action Group
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Department
for Transport



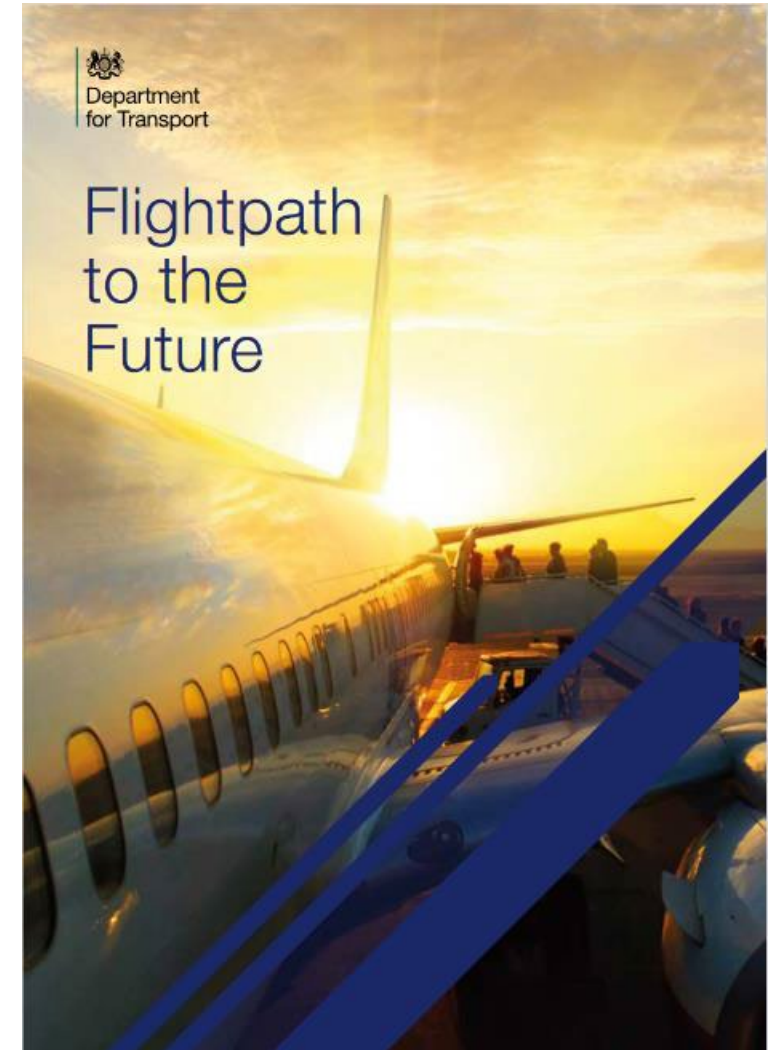
DfT and CAA Commitment to RPAS Industry

DfT and CAA are **committed** to developing a **sustainable RPAS industry** within the UK supporting **recreational and commercial activity**.

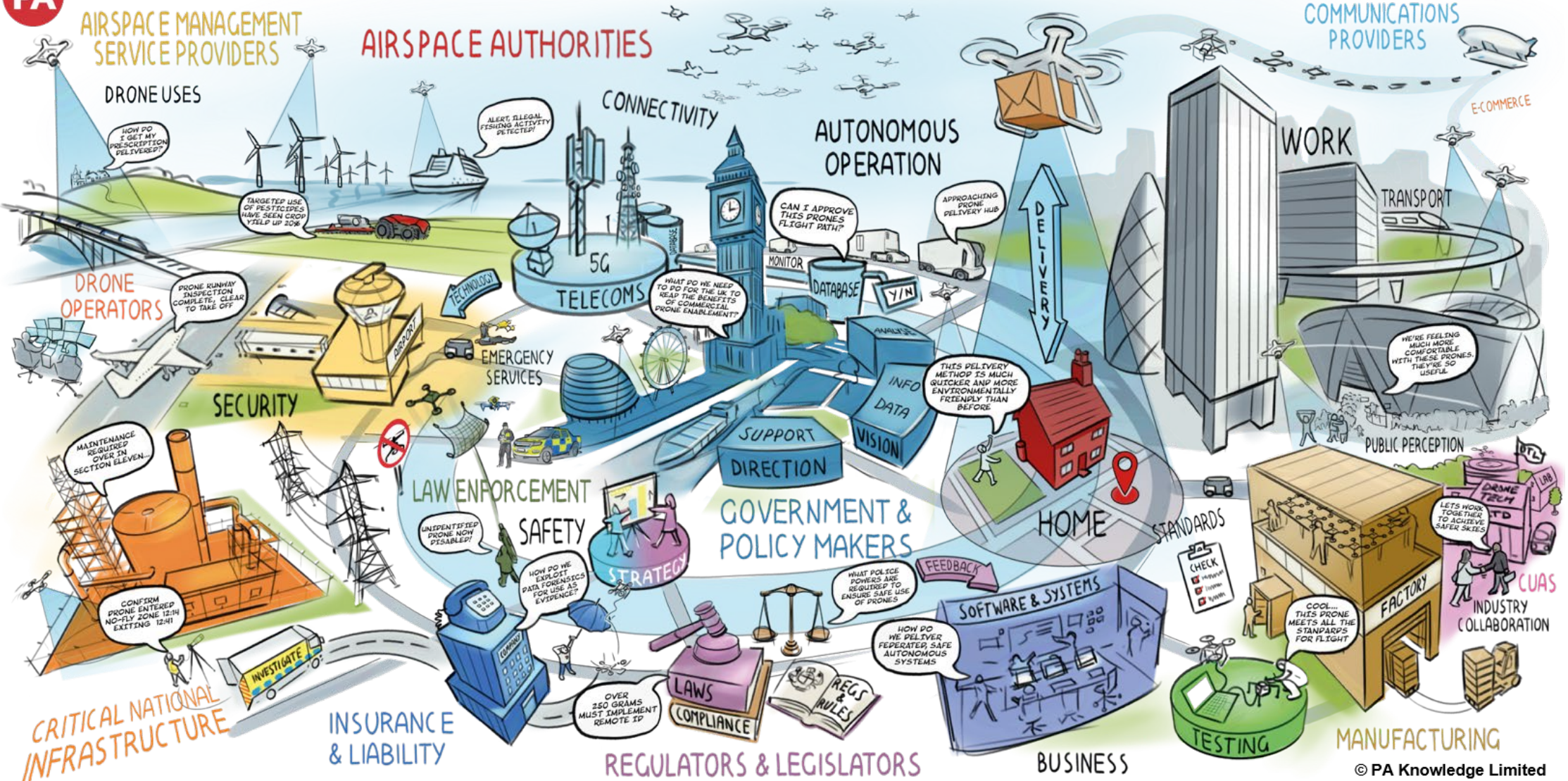
The DfT **Flight Path to the Future** sets clear government level strategy on how it will achieve aviation growth including for RPAS and other advanced air mobility vehicles.

We recognise the **great steps** industry is taking in **developing technical and operational capabilities** to deploy the future of flight.

Industry is calling for **leadership** to **set direction, plan and prioritise deployment initiatives** and provide clarity on **accountability** for **decisions** and ensuring the industry ambition is realised.



[Flightpath to the future \(publishing.service.gov.uk\)](https://publishing.service.gov.uk)



Industry Voice

"There is a thriving commercial and recreational RPAS industry today"

"1000s of organisations and individuals are driving the industry forward"

"Pioneering organisations at the forefront of technological innovation; navigating their way within a regulated environment"

"To achieve a sustainable and healthy outcome a range of societal, legal, regulatory and industry innovation is required"

"The business case for advanced RPAS operations is strong NOW"

"The industry cannot wait for governance to be formed. There must be a pathway to action ASAP"

"New standards and regulatory requirements must be applied carefully and not impact recreational flyers"

"Delivering the outcome requires clear accountability and collaboration between Government, CAA and Industry"

RPAS Ecosystem

DfT instigated the study to examine the **current programme landscape** across the RPAS (UAS) industry with a focus on identifying what **current activities** are planned, how **decisions are made** and **information is communicated** amongst the **stakeholders**.

The outputs will be used to support the setup of the **Future of Flight Industry Group** – set out within the **Flight Path to the Future** as the leading advisory board.

The study is being led by the **CAA** RPAS Unit.

The Challenges

What are the industry priorities?

When do they need to be delivered?

Do we know where key decisions need to be made?

What will be accountable for delivery?

How is the RPAS Ecosystem funded?

When you are making a decision have the right people been involved?

When something changes how do you understand the impact on other activities?

“Unfiltered” RPAS Priorities Raised by Stakeholders

The study stakeholder group identified the following priorities:

- Electronic Conspicuity Rules
 - Access to Airspace for Future Flight Phase 3 Projects (TDA v TMZ)
 - Rules for Pilot Competency
 - Drone Class Marking
 - Development of a single delivery plan
 - Funding and charges
 - Liability and Insurance requirements
 - Remote ID Implementation
 - Access to reliability and performance data from OEMs
 - Light UAS Operator Certificate (LUC)
 - Standards implementation
 - Delegation of Authority
 - Flight Worthiness requirements
 - Supply Chain Development
 - Physical Security / Vetting
 - Access to Safety Reporting / Investigation Information
 - Proportionate regulation for recreational flyers
 - RPAS Safety Leadership Group
 - Alignment to EASA Regulations
 - Accountability for delivery and expansion of the Drone Industry
 - Decision on the Risk Appetite in Drone Industry – Where?
 - Ownership of the Future Flight Innovation Programme
 - Rules on Enforcement ‘policing’
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Key Objectives of the RPAS Ecosystem

Provide a better environment for the UAS Industry to succeed

Roles and responsibilities, decision making, stakeholder support and engagement

Draft 'Enabling Landscape' for Comment

Co-ordinate and communicate the delivery of the separate programmes of work

Prioritisation, planning, timelines, funding

In-Progress



Future of Flight Industry Group

The Future of Flight Industry Group (FFIG) is a joint government and industry led forum that will provide leadership for the industry and help to drive forward the UK's adoption of innovative aviation technology. The group will discuss possible barriers to success and how to overcome these, it will also champion the use of new aviation technology.

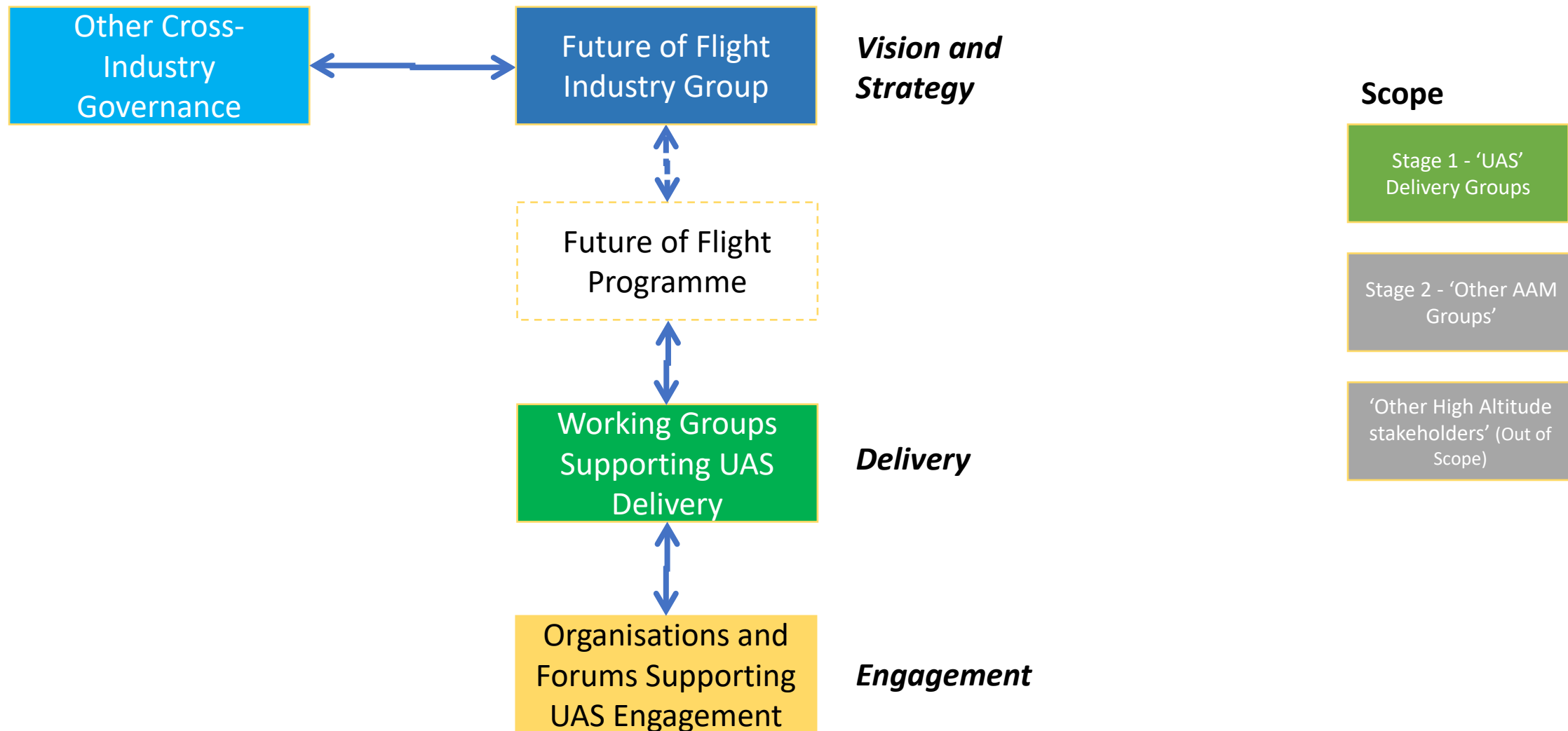
The FFIG will be the advisory body for the overall Future of Flight Programme. The Programme will include a Senior Sponsorship Board, which will provide a forum for senior leaders across government with a key role in enabling the realisation of the vision for Future of Flight, and support the development and implementation of the Future of Flight Plan.

The FFIG will be co-chaired by the Minister for Aviation and an industry representative and will have Industry representation in attendance.

Future of Flight
Industry Group



Future of Flight 'Enabling Landscape' for UAS



The 'Enabling Landscape' Purpose

1- Provide those seeking to enter the industry a clear pathway to find information

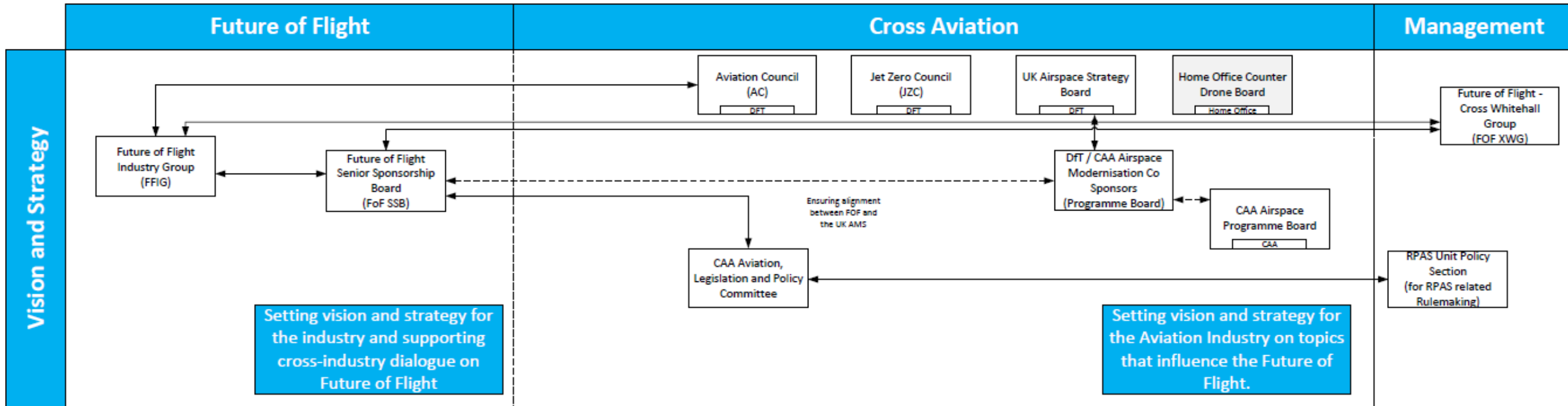
2 - Provides strategic direction at government level on future of flight challenges

3 - Dividing issues into specialist sub-groups for higher level decision making functions to draw on.

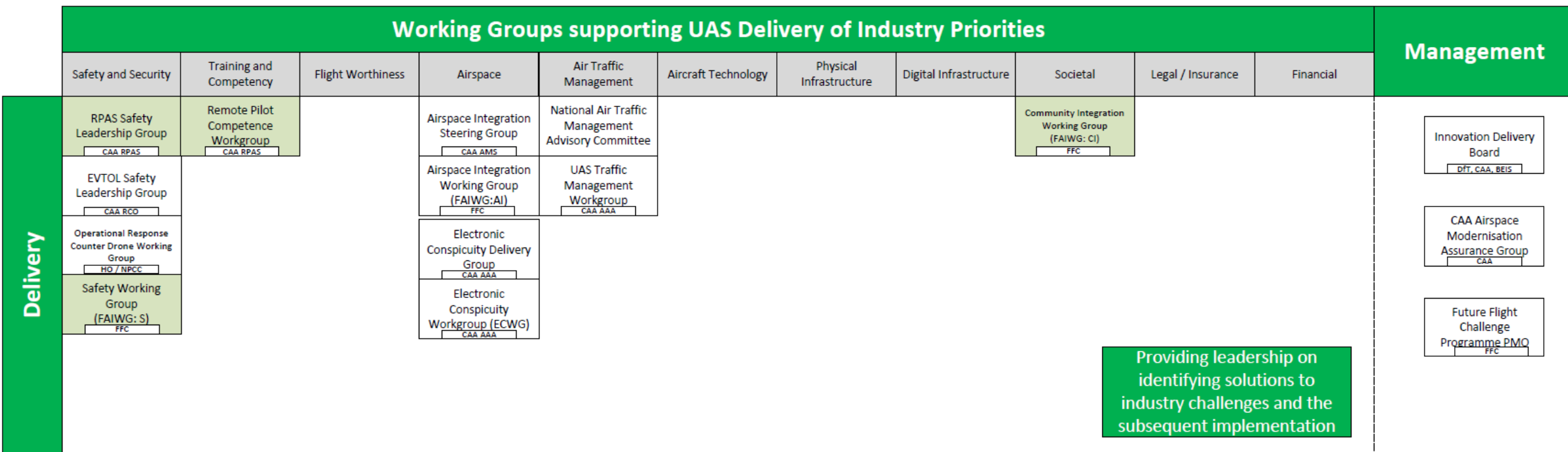
4 - Providing clarity on the forums where industry can contribute to.

5 - Provides an escalation pathway for stakeholders to seek direction

Enabling Landscape for UAS – Vision and Strategy



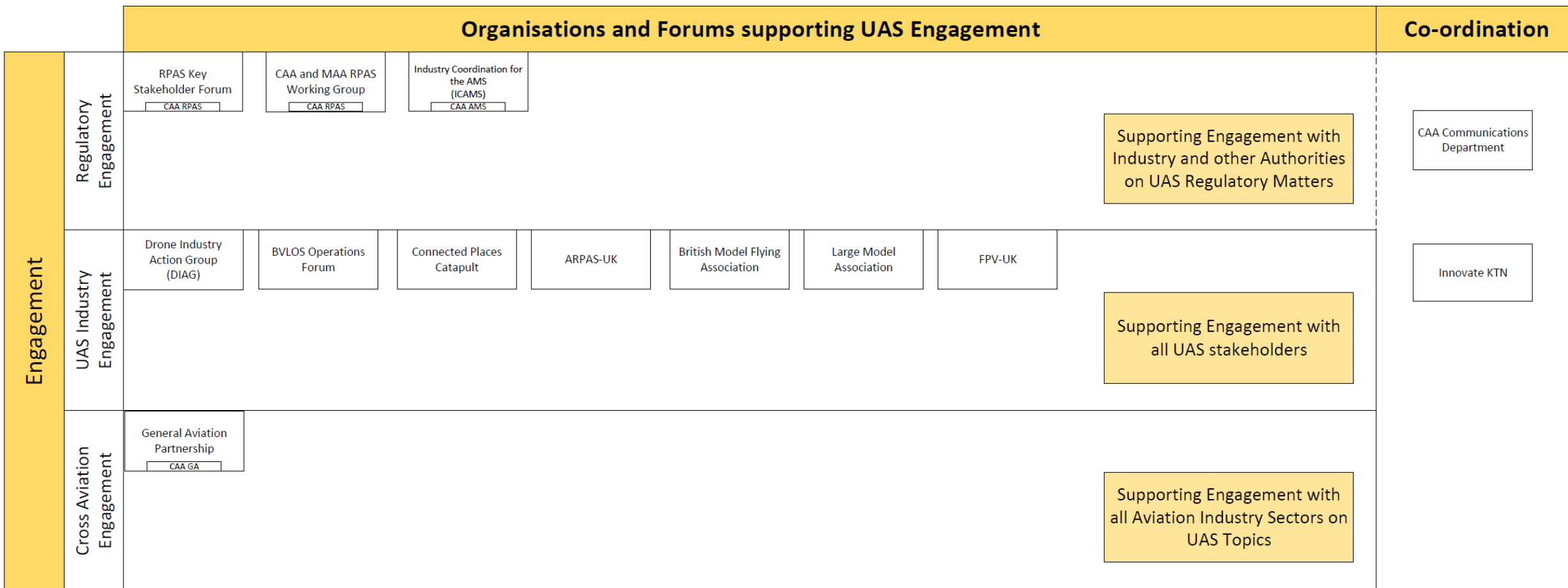
Enabling Landscape for UAS - Delivery



Group not yet active

S Focussed on Standards

Enabling Landscape for UAS - Engagement



Next Steps

The RPAS Ecosystem Project Team will:

- Communicate and engage across industry on the role of the 'Enabling Landscape for UAS'.
- Continue collaboration with key stakeholders on a combined programme plan for UAS activities.
- Explore opportunity to expand the 'Landscape' and 'Planning' activity to cover the entire scope of Advanced Air Mobility
- Continue to listen to all stakeholders and provide an effective environment to ensure success.

Any Questions?

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Stakeholders



Home Office



Department for Transport



Department for Business, Energy & Industrial Strategy



UK Research and Innovation



[Representatives of Drone Industry Action Group]

