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DRONES: IS THE INSURANCE SECTOR READY FOR TAKE-OFF?

Policy & Regulation

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Drivers and arenas of current drone regulation

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Drivers

Public concerns

Safety & security
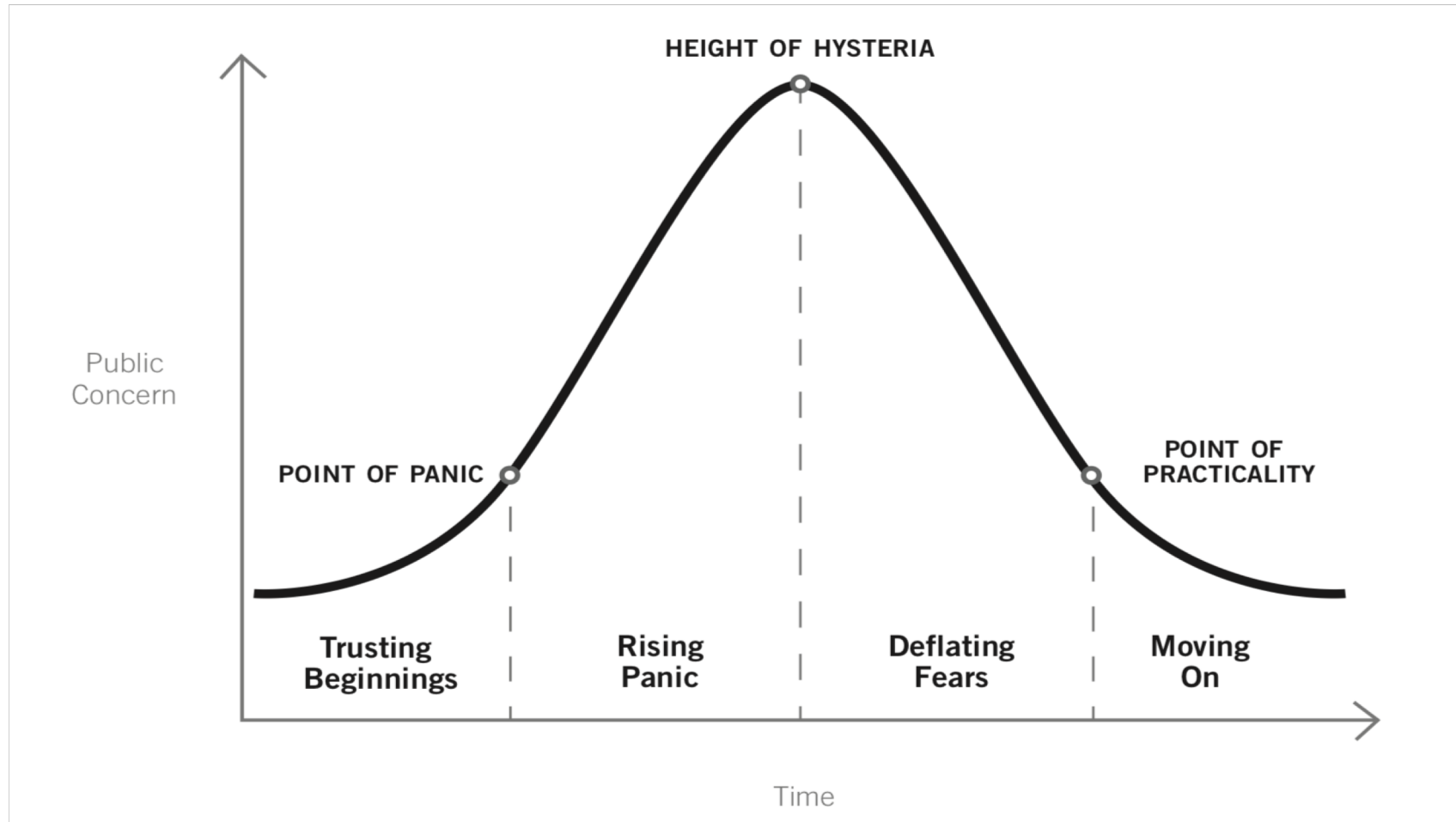
Industry growth

Future operations

Arenas

UK

European Union

International bodies

Self-regulation

Have we reached the height of drone hysteria?

HEIGHT OF HYSTERIA

Public Concern

POINT OF PANIC

POINT OF PRACTICALITY

Trusting Beginnings | **Rising Panic** | **Deflating Fears** | **Moving On**

Time

Source: ITIF, The Privacy Cycle, A Guide to Public Fears About New Technologies, Sept 2015

Safety & security – how big are the risks?

Credit: PA

Which regulatory framework for growth?

versus

?

How to enable future operations?

Source: ANRA Technologies

UK policies and regulation: state of play

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TARGETING CARELESS & IGNORANT USE

Extension of airport restriction zones
Registration scheme and online competency tests
Local authorities using by-laws to restrict flights in public spaces

TACKLING MALICIOUS INTENT

New law enforcement powers (as part of the forthcoming Drone Bill)
Creating a more robust legal basis for deploying counter-drone technology
High-profile prosecutions and significant increases in penalties

PAVING THE WAY FOR FUTURE OPERATIONS

Considering the introduction of a Flight Information and Notification System (FINS)
'Pathfinder projects' to progress routine BVLOS operations
UTM research to identify enabling legislation

EU drone regulation

INCOMING DRONE REGULATION

Product standards and technical requirements (e.g. noise, geo-awareness, remote identification)
Risk-based approach for operating drones in Europe:

OPEN
Low risk

Competent Authority notified by
Member States; no-pre approval
envisaged

Limitations (25 kg; Visual line of
sight (VLOS), Maximum height;
system of zones)

Rules: no flight over crowds, pilot
competence

CE marking allows for design
requirements

Sub-categories including toys

SPECIFIC
Increased risk

Authorisation by NAA based on
Specific Operation Risk
assessment (SORA)

Standard scenarios either with
declaration or authorisation

Optional concept of approved
operator with privilege

CERTIFIED
Regulatory regime
similar to manned
aviation

Certified operations to be defined
by implementing rules

Pending criteria definition, EASA
accepts application in its present
remit

Some systems (Datalink, Detect
and Avoid, ...) may receive an
independent approval

Source: EASA

Where next?

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Working up more and better standards to support greater industry adoption

Streamlining authorisation processes and operational safety case assessments

Making sure public perceptions do not turn sour and derail the use of drone technology

Re-thinking the 'rules of the air' to achieve a happy coexistence between manned and unmanned traffic

Considering the UK's approach and emerging regulatory landscape in the light of.. Brexit!

Thank you!

IF YOU WOULD LIKE TO DISCUSS THIS FURTHER, PLEASE GET IN TOUCH

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