



European
Commission

Civil Drones: Next Steps

**SESAR Joint Undertaking
04 September 2014**

Transport



A European civil drone policy:

COM(2014)207!

- Set the scene
- Explain objectives
- To announce EU action
 1. Regulatory action
 2. Financial support
 3. R&D
 4. Dialogue

The "Drone" phenomenon

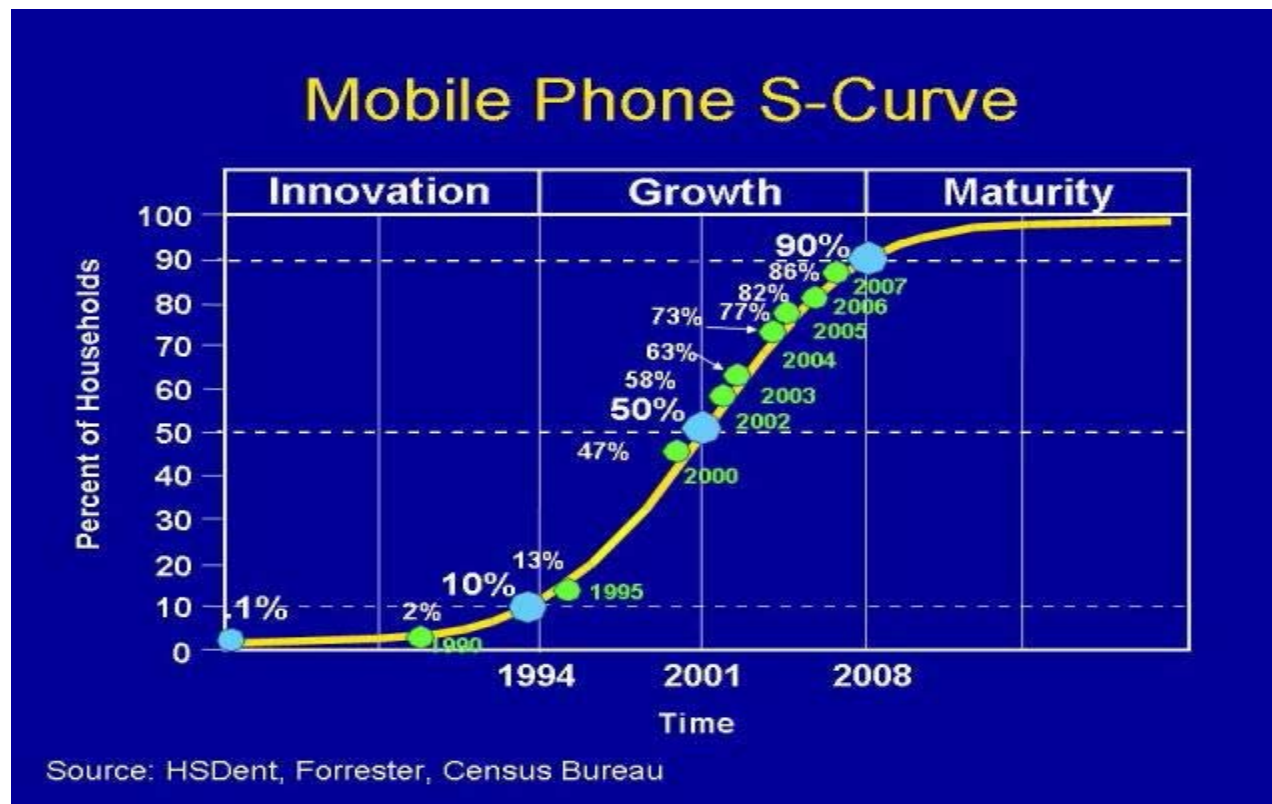
- **Already since early days of aviation**
- **Drone now form backbone of military strategy**
- **Eventually the civil activities will dwarf military**
- **How can we best develop a drone market?**



What do we want: Jobs and Growth

- **A single European market**
- **Reap benefits of drone technology**
- **BUT: not give in on safety, security, privacy protection**
- **We need integration in non-segregated airspace**
- **As from 2016**

What do we want?



Market evolution

What drives the S-curve?

- **Technology....**
- **Price / business case...**
- **Enabling regulatory framework...**
- **Public acceptance....**

State of play

- **ICAO activities on-going – time consuming**
- **National legislation in several Member States for simple operations = source of best practice**
- **Growing number of commercial operations in the EU – in US test sites with pressure to allow commercial activities**



Actions announced in COM

- **Legislation to integrate RPAs, including Commission implementing rules**
- **Use R&D in SESAR JU**
- **Ensure security, privacy, liability**
- **Industry financial support, tailored to SMEs needs**



Laws and regulations

In the safety field – but extending to all areas if necessary:

- **Safety = Key to open the EU market**
- **Rules to reflect myriad types of operations**
- **Risk classification scheme**
- **Create seamless transition**
- **Provide flexibility**



What would be the "products"

- **An EU Regulation of EP and Council**

1. Proposal of Commission
2. Covering all regulatory aspects
3. Amending the EASA Basic Regulation

- **Commission implementing rules**

1. EASA Opinion – on basis of JARUS process
2. Adoption by Commission

- **Acceptable means of compliance**

1. Role for industry

Process

- **Three layers of processes**

1. Political level: Co-decision process

2. Technical level:

- JARUS international cooperation process

- EASA opinion

- Commission decision

3. Industry level:

- Acceptable means of compliance

- Industry standards

Timing

1. Communication (April 2014)
2. Impact Assessment (Autumn 2014)
3. Commission proposal (Spring 2015)
4. Ongoing: JARUS – EASA – SJU activities



Conclusions

1. We are heading towards an EU regulatory framework, as one pillar of EU action
2. The rules should be demand driven, enabling businesses to thrive on basis of proven technologies
3. Work at various layers, but converging to common objectives