



EASA

European Aviation Safety Agency

U-space & EASA NPA 2017-05

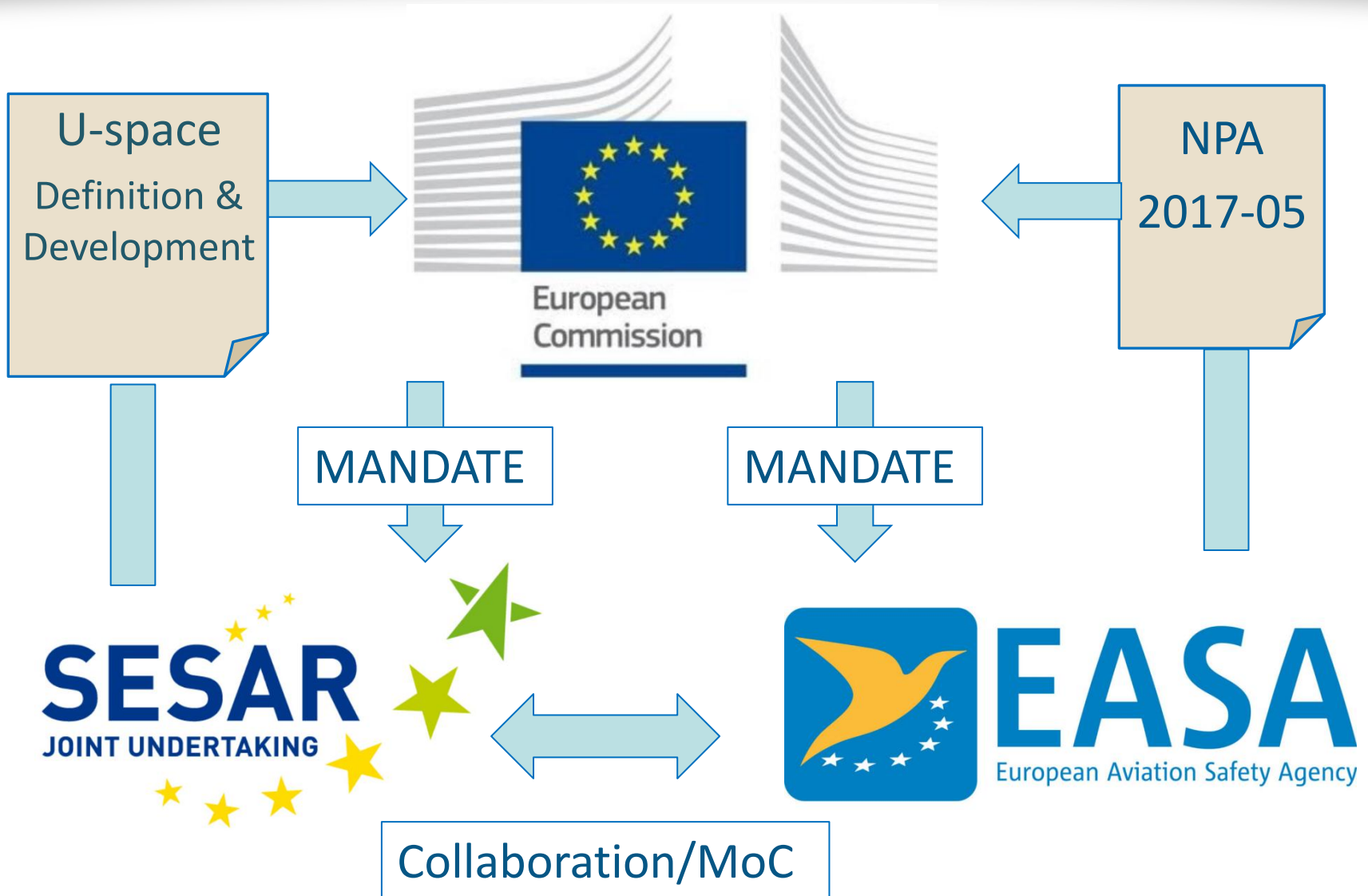
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U-space Blueprint

The U-space Blueprint contents

- A common definition of the U-space concept
 - **Why, What, key services**
- A vision expressing the shift towards mobility, connectivity & digital transformation in Transport
 - **How do drones operate in U-space?**
- A roadmap for U-space implementation following a pragmatic stepped approach
 - **How to ensure a progressive roll out of U-Space?**



The Blueprint has been endorsed
by the European Commission

<https://www.sesarju.eu/u-space-blueprint>



U-space is ...

- A set of **new services** relying on a high level of **digitalisation** and **automation** of functions and specific procedures designed to support safe, efficient and secure access to airspace for **large numbers of drones**.
- An **enabling framework** to facilitate any kind of **routine mission**, from the inspection of infrastructure or delivery of goods to more complex future applications such as **urban air mobility**.



U-space roll-out & services

2019

U1

U2

U3

U4

U-Space foundation services

- e-registration
- e-identification
- geofencing

U-Space initial Services

- flight planning
- flight approval
- tracking
- airspace dynamic information
- procedural interface with ATC

U-Space enhanced Services

- capacity management
- assistance for conflict detection

U-Space full services

- integrated interfaces with manned aviation
- additional new services



Notice of Proposed Amendment 2017-05

“Introduction of a regulatory framework for the operation of drones”

UNMANNED AIRCRAFT SYSTEM OPERATIONS IN THE OPEN AND SPECIFIC CATEGORY

“An operation-centric, proportionate, risk- and performance-based regulatory framework for all UAS operations conducted in the open and specific category...”



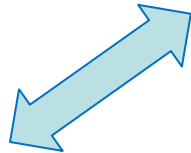


Article 3: “Principles applicable to all UAS operations”



U-Space
foundation services

- e-registration
- e-identification
- geofencing



1. Responsibilities of operator and pilots defined,
2. **Registration** of operators and UAS with some exceptions,
3. **e-identification** on some UAS
4. **geofencing** on some UAS
5. Use of product legislation (making available on the market) for technical requirements for the UAS (CE marking)



Notice of Proposed Amendment 2017-05

NPA 2017-05 Process Milestones:



 Submit your comments via CRT

<https://www.easa.europa.eu/document-library/notices-of-proposed-amendment/npa-2017-05>



What's next?



**Refinement of U-space
roadmap for formal inclusion in
European ATM Master Plan**



Notice of Proposed Amendment

U1 Covered



**Further collaboration with SESAR Joint
Undertaking as U-space progresses**



21-22 November 2017

<https://www.trafi.fi/en/drones2017>



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Any questions?
Thank you for your attention

Your safety is our mission.

An agency of the European Union

