



# Swiss U-Space

**Who:** Federal Office of Civil Aviation (FOCA), skyguide, U-Space Service Providers (USPs), Supplemental Data Service Providers (SDSP), Technology Providers, Drone, Ground Control Station or Flight control manufacturers

**What:** U-Space is a federated set of services designed to ensure safe, secure and efficient integration of multiple manned and unmanned aircrafts in the airspace in collaboration among all involved parties

**How:** The Swiss U-Space Implementation (SUSI) is a collaboration ([Memorandum of Cooperation](#)) between FOCA, skyguide and other industry stakeholders.

## What is the intent of U-Space?

1. Provide a set of services to support safe UAS operations allowing identification of the pilot and its drone in real-time. U-Space will provide core services as Registration and Operation Planning Services and value added services such as Weather and Noise Mitigation Services.
2. Provide automation of approval procedures around airports as well as a way of updating airspace restrictions dynamically.

## How is the U-Space structured?

The Swiss U-Space is divided in a centralized and a competitive environment.

The Flight Information Management Service (FIMS) is the U-Space component that skyguide will build and manage centrally to support U-Space operations.

The FIMS will:

- provide centralization and allocation of airspace to and from relevant stakeholders.
- exchange relevant information with neighboring ANSPs and other relevant stakeholders.
- centralize and consolidate registration information

The central nature of those functions justifies the establishment of a single system. Besides the centralized functions, the other functions will be provided by the USPs.

A USP is an entity that support safe and efficient operations by providing services to the operator. A USP is connected to the FIMS and acts as a communication bridge between federated U-Space actors to support operators abilities to meet some regulatory and operational requirements for UAS operations.

USP services support operations planning, aircraft de-confliction, conformance monitoring, and emergency information dissemination. USPs may provide additional value-added services depending on the U-Space user needs.

