

To the press

Japan UAS Industrial Development Association

ISO publishes international standard for drone maneuvering training
Defining universal requirements based on Japan's proposal

The International Organization for Standardization (Representative: Eddy Njoroge, Location: Geneva, Switzerland, hereinafter ISO) announced on February 2, 2021 that the international standard for maneuvering training of unmanned aerial vehicles (hereinafter, drones) "**ISO23665 Unmanned aircraft systems — Training for personnel involved in UAS operations**" (hereinafter, ISO23665) has been published.

This standard sets out universal requirements for drone pilot training and provides guidelines regarding developing international licenses.

The standard was proposed by Japan to ISO, and Japan also took the lead in the process its discussion, such as contacting each country and coordinating opinions from the standpoint of the "project lead." As a result of the cooperation with each country, we were able to realize the issuance in a short period of just two and a half years. This is the first time that a Japanese proposal has been issued as an international standard related to drones.

Japan UAS Industrial Development Association (Representative Director: Shinji Suzuki, Location: Bunkyo-ku, Tokyo, hereinafter JUIDA) made the proposal to ISO as the representative of Japan. In collaboration with the UK, the country acting as the leader and the first country to agree with the proposal from JUIDA, we have been actively involved in all of the examination process from the proposal stage. JUIDA will continue to create a curriculum that conforms to this standard and aim to formulate an international license.

■ISO23665 Unmanned aircraft systems — Training for personnel involved in UAS operations was proposed by JUIDA to ISO working group TC20 / SC16 / WG3 as a proposal from Japan on July 25, 2018. ISO23665 consists of 9 chapters and stipulates the requirements for facilities and instructors that drone pilot schools should have, evaluation methods, etc.

The attached sheet stipulates the items that should be included in the curriculum of the courses conducted by schools, and in this phase, "Annex A," which stipulates the course curriculum related to "VLOS flight", is open to the public. The characteristic of Annex A is that while visual line of sight flight is a very common flight method for drone operation, this annex also incorporates safety management methods from the world of airplanes. In addition to general items such as understanding of the aircraft, weather and radio waves, elements such as CRM (Crew Resource Management) that defines communication methods within the aircraft operation team are included on the premise of operation by the team.

Attachments on the curriculum will be added in the future, and standardization of the curriculum on instructors and the curriculum on flight assistants is being considered.

URL : <https://www.iso.org/standard/76592.html>

■Educational efforts at JUIDA

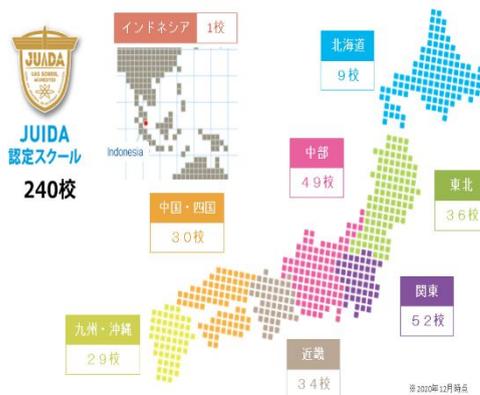
Since March 2016, JUIDA has been conducting an accreditation business of "JUIDA Accredited Schools" that provide education using the curriculum provided by JUIDA.

As of January 2021, there are 239 schools nationwide and one overseas, making JUIDA Japan's largest management organization for drone education. JUIDA issues two types of certificates, "JUIDA Unmanned Aerial Vehicle Operation Pilot Certificate" and "JUIDA Unmanned Aerial Vehicle Safety Administrator Certificate", which can be obtained after completing the courses at any of the accredited schools.

The number of certificate holders exceeds 14,000, making it one of the largest in the world. In this way, we are making valuable contributions to ISO establishment activities by using our expertise and knowledge in the field of education.



License issued by JUIDA



List of JUIDA Accredited Schools

We also collaborate with many schools around the world, and as of the end of January 2021, we signed MOUs with 30 organizations from 21 countries in order to share knowledge about the curriculum. Through these activities, we are considering the establishment of an ISO private-sector-led international license.



JUIDA's MOU partners

■Japan UAS Industrial Development Association (JUIDA)

JUIDA promotes the active utilization of the unmanned aircraft system (UAS), which has achieved dramatic development in recent years in the consumer field. It was established in July 2014 as a non-profit organization with the aim of creating a market and contributing to the sound development of UAS.

We collaborate widely with domestic and overseas research institutes, organizations, and affiliated companies to provide the latest information on UAS and support the development of optimal UAS for various consumer fields. At the same time, in order for UAS to realize safe and socially acceptable use, we are conducting research on maneuvering technology, airframe technology, management systems, operation rules, etc., and making policy recommendations.

Representative: Shinji Suzuki, President

URL : <https://uas-japan.org/en/>

【Inquiries related to this topic】

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