



# AIRWORTHINESS REQUIREMENTS FOR UNMANNED AERIAL VEHICLES DRONES, UAS AND RELATED SYSTEMS / EQUIPMENT



*In view of the risks to goods and persons on the ground, risks associated with the operation of unmanned aircraft under the specific conditions of the "certificate" category, EASA treats these aircraft in a similar way to manned aircraft, their planning and use in flight activities in European airspace.*

*Unlike in the case of manned aircraft, in this particular situation the type certification covers the airworthiness issues of the whole system not only of unmanned aircraft. The requirements for certification specifications for UAS are set by EASA through specific regulations - certification specifications (CS).*

*The course provides an overview of the currently existing certification specifications for UAS / RPAS as well as recommendations / considerations on how the certification process should be performed for different configurations and maximum take-off weights (MTOM).*

*Information on standards on AU equipment (example: geofencing), CE marking and declaration of conformity in the "open" and "specific" categories will also be provided during the course.*

## Syllabus

- Presentation of the UAS certification processes and the EASA policy in the field;
- Certification specifications for unmanned lightweight multirotor systems (CS-LURS);
- Certification specifications for unmanned light aircraft systems (CS-LUAS);
- Command and control equipment;
- UAS detection systems;
- Equipping small UAS (electronic identification, geofencing, etc.).



### After completing the course:

- participants will be able to explain the legal requirements to be met in order to place unmanned aircraft on the EU market to be used in accordance with the specifications of the different categories of operations;
- participants will obtain the competence to apply the provisions of the normative acts issued by ICAO, the Parliament and the EU Commission, EASA regarding the type / airworthiness certification for unmanned aircraft operated in the “certified” category;
- participants will be able to apply the procedures for drawing up / issuing the EU declaration of conformity for UAS intended for use in the “open” and “specific” category of UAS operations.

### Who should take this course:

Aviation personnel, designers, importers and manufacturers or other persons who deem it necessary to inquire about the certification standards currently available for unmanned aerial vehicles in order to:

- better understands the legislative framework specific to the certification of different types of unmanned aircraft or components / equipment in their composition;
- understands the certification specifications currently available for the different types of PSURs;
- understands the role of institutions, agencies and other entities involved in the development and application of the provisions of European / national normative acts specific to the field of unmanned aircraft.

**Course duration:** 1 day - 21<sup>st</sup> of May 2021

Contact: [office@aeroas.ro](mailto:office@aeroas.ro)