

Rated and experienced flight test personnel for fixed- and rotary-wing aircraft



Ensuring the accurate testing of your aircraft is a rigorous process. Access to independent, qualified flight test personnel saves time and costs for organizations and operators who only periodically require flight test services. Rely on the comprehensive skillset of the proven and licensed flight test personnel at RUAG Aviation to perform these services on your behalf.

Comprehensive range of services

The RUAG Aviation flight test personnel verifies modified aircraft and configurations, system upgrades and maintenance to ensure the performance and capabilities of the aircraft meet the requirements specified by the airworthiness authorities. As an EASA Part 21J Design Organization with our own Flight Test Organization, we provide the requisite rated, qualified and experienced personnel for identifying and meeting all specifications.

Flight Test Pilot capabilities

Development and certification test flights

Cockpit upgrades

External POD installations

Avionics/Systems development

Check flights

Maintenance

Customer acceptance

Compliance verification engineering (CVE)

Flight test aspects

Flight manual/Operational Suitability Data (OSD)

Night Vision Imaging System (NVIS)

Crew training

Maintenance check flights

Acceptance flights



Save time and costs with RUAG expertise

Strengthened by profound experience and sustained knowledge of quality and safety requirements, the highly motivated and professional RUAG flight test pilots and engineers carry out flight tests or conduct check flight related pilot/mechanic training. Relying on our flight test pilot services ensures design organizations and operators are able to optimize resources.

Flexibility and availability

RUAG flight test experts are available to verify EASA regulatory compliance and mission requirements for customers throughout Europe. The RUAG team prioritizes the availability of services and personnel to conform to the customer's schedule.

Certifications

- EASA Part 21J Design Organization Approval EASA.21J.451
- EASA rated Flight Test Pilots according Part-FCL.820

Flight Test Pilot capabilities in detail

Avionics/Systems development	Testing of new devices with regard to function and human factors aspects.
Check flights	Flights to determine the performance of an aircraft and the functionality of the equipment after maintenance work or at customer acceptance.
Cockpit upgrades	Testing of renewed or supplemented cockpits, as well as their added additional capabilities.
Crew training	Theoretical and practical crew training in the areas of maintenance and acceptance check flights.
Compliance verification engineering (CVE)	Independent review and checking of documents produced by the DO concerning certification requirements.
– Flight manual/OSD	CVE activity in connection with the development and expansion of pilot documentation, including <ul style="list-style-type: none"> – Flight Manual – Flight Manual Supplement – Master Minimum Equipment List (MMEL) – Flight Crew Data
– Flight test aspects	CVE activities in the fields of aircraft performance, handling characteristics, system performance, human factors, etc.
External POD installations	Testing of mission equipment attached to the cell with regards to function and influence on the aircraft.
Night Vision Imaging System (NVIS)	Ground/flight testing and CVE work on cockpit modifications in the area of NVIS