RUSSIAN TSAGI CONDUCT RESEARCH ON FLUTTER OF NEW TRANSPORT AIRCRAFT IL-112

News / Manufacturer



In June, the Central AeroHydrodynamic Institute named after professor N.E. Zhukovsky (TsAGI) completed tests on flutter characteristics of the dynamically scaled model of the new light transport aircraft IL-112 developed for Russian air force.

The tests were conducted in TsAGI's large subsonic wind tunnel. Scale model is 1: 5, wingspan – 5.3 m, weight – 300 kg. To ensure standardized reserves critical flutter speed it was simulated flight at speeds up to 650 km / h. The test results obtained by the various forms of flutter and found that their critical velocity exceeds the specified – 650 km / h.

Light military transport aircraft Il-112V is designed for transporting and parachuting of light weaponry and equipment, cargoes and military personnel, as well as for transporting a wide variety of cargoes when operated in commercial service.

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It is capable of auto landing approaches to categorized aerodromes (minimum requirement being ICAO category II) and manual landing approaches to aerodromes poorly equipped with, or having no radio technical equipment.

The Russian air force plans to purchase Il-112 light military transport planes in order to renew its fleet. On 2 November 2015, Yuri Slyusar, president of United Aircraft Corporation (UAC) announced that the Il-112V will make its maiden flight in the summer of 2017.



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