



J&C AERO'S NEW SEAT SOLUTION FOR PASSENGERS WITH REDUCED MOBILITY (PRM)

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Considering that already today approx. 15% of the world's population has at least some kind of disability, and the fact that these numbers will be rising further as the population keeps aging in many developed countries, accessibility of in-flight services for passengers with reduced mobility (PRM) becomes a more pressing issue for airlines. With an aim to improve the inflight experience for PRM, J&C Aero developed a new convertible cabin crew jump seat that can be transformed into an aisle chair within seconds.

Despite a growing number of passengers with reduced mobility traveling by air, not all airlines include an aisle chair on their flights due to the additional weight and extra space required to store the additional equipment. However, these issues can be mitigated if the aisle chair could be integrated into the basic cabin equipment thus not requiring any additional services each time a PRM travels onboard.

With this in mind, J&C Aero's engineers developed an upgraded version of the flight attendant's jump seat that can be transformed by the crew into an aisle chair within seconds. In the core of the convertible jump seat/aisle chair is a folding mechanism that enables an easy switch between wall-fixed and moveable modes. The chair is made of an aluminum frame in order to maintain the lightness of the structure. The height of the chair is approx. 86 cm – this allows more convenient use of the chair when pushing (not pulling) it through the aisle.

“It might not be evident but many people with one or another disability actually struggle during the

flight. For example, if a person has vision-related issues it is hard for him or her to distinguish ceiling buttons and call for assistance. Meantime, on many flights, people with mobility disabilities are basically chained to their seats as there are very limited options on how a person can reach the lavatory. With this in mind, we decided to develop a concept that can actually improve the in-flight experience for PRM while having minimum impact on an airline's operational performance. What is particularly exciting, we have already received some positive feedback from our existing customers, and, hopefully, one of the convertible aisle chairs will reach aircraft in the near future," comments Maksim Jurkov, Head of Design & Airworthiness at J&C Aero.

J&C Aero is an international aviation center for innovation in cabin transformation and CAMO. As an EASA-certified design, production, maintenance, and CAMO organization, J&C Aero provides extensive cabin interior and repair solutions for narrow and wide-body aircraft operators and owners.

The range of the company's services covers cabin interior design and production, aircraft line and parts maintenance, engineering and continuing airworthiness management, aircraft teardown and spare parts supply, as well as special-purpose STC and VIP cabin solutions.

J&C Aero holds EASA Part 21J, Part 21G, Part 145, and CAMO approvals, supplemented by multiple STCs, authorizations, and other approvals.

More information: www.jcaero.com

10 MARCH 2022

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