

SSJ100 MEETS THE EUROPEAN STANDARDS FOR CONTROLLER-PILOT DIGITAL PRIVATE COMMUNICATIONS

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SSJ100 aircraft has successfully completed test flights and proved the performance capability of ATN system in real conditions in Europe. The installation of this system today is relevant primarily for the operators flying to EU countries. Equipping of all civil passenger aircraft with ATN system starting from February, 2020 is a mandatory

requirement of the European aviation authorities for flight operations in various European countries above FL285.

Aeronautical Telecommunication Network (ATN) is a system of automatic data exchange between the aircraft and the ground-based air traffic control services. It simplifies the pilot's control of the aircraft, it works through a secure communication channel and provides communication between the air traffic controller and a specific aircraft. The principle of standardized queries used by ATN allows to reduce the time of information exchange between the aircraft and the controllers, reduces the risk of message loss, misunderstanding between the pilot and the ground services in the event of interference.

“ATN system is a novelty in the design of SSJ100. ATN will be installed as one of the main aircraft systems on all newly manufactured SSJ100 aircraft. The aircraft in operation rework will be optional and made on the customer's request under the Service Bulletins,” said Andrei Nedosekin, Deputy General Director for Design.

SSJ100 aircraft has successfully completed the tests in the airspace of the Russian Federation and the EU. Finland was chosen for the test flights to the EU, where the ATN service closest to Zhukovsky is located.

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