BOEING AND UNITED AIRLINES TEST ADVANCED DIGITAL COMMUNICATIONS FOR THE FUTURE OF FLIGHT

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Boeing and United Airlines conducted flight tests to evaluate a modernized data communication system designed to improve information flow between the flight deck, air traffic control and airline operation centers. With a United 737-8 jet serving as Boeing's 2025 ecoDemonstrator Explorer, the airline's pilots conducted test flights to assess Internet Protocol Suite standards. The internet-based communications aim to enhance operational efficiency and flight safety while reducing air traffic congestion, fuel use, cost and emissions.

The 2025 Boeing ecoDemonstrator Explorer began flight testing in late October for about two weeks, with U.S. flights based in Houston and European flights based in Edinburgh, Scotland.

Boeing Chief Technology Officer Todd Citron commented: "Boeing is proud to lead the advancement of digital communications that significantly enhance safety and operational efficiency in commercial aviation. Our collaboration with United Airlines and the industry team is a pivotal step towards improving the reliability and speed of communication between the flight deck and air traffic control to enable safer, more efficient flight for the flying public."

United 737 Chief Test Pilot Andy McKee said: "The ecoDemonstrator project is an outstanding

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collaboration to help support the ongoing upgrades within our air traffic control system and enhance safety for our customers and the global aviation community. After many months of careful planning, United is proud to have executed this flight test effort with Boeing and our other partners, leveraging the expertise of all our teammates to help shape the future of flight."

Since 2012, the Boeing ecoDemonstrator program has accelerated innovation by taking new technologies out of the lab and testing them in an operational environment to help solve real-world challenges for airlines and passengers. The ecoDemonstrator program has tested more than 250 technologies to enhance safety, reduce fuel use, emissions and noise and improve operational efficiency and the passenger experience.

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