Dr Amanda King downloads *Flight Evening News* from 35,000ft over Nevada

SURF THE JETWAVE

Two years ago Honeywell undertook a world tour as it rolled out its concept of the connected aircraft, demonstrating how improved satellite technology and greater bandwidth can dramatically improve the efficiency and passenger experience of in-flight internet access.

This week Honeywell is at NBAA-BACE with a Dassault Falcon 7X giving live demonstrations of Jetwave-enabled, in-flight connectivity from the cabin, and showing how data from the flightdeck can enhance analytics in real time.

By **ALAN PEAFORD**

JetWave is the hardware that allows operators to connect to Inmarsat's Jet ConneX, offering the fastest broadband available in business aviation.

"From the moment you climb aboard the aircraft until you touch down and taxi, our JetWave system will deliver secure, high-speed wi-fi on all your devices that is just as good as you get in the office or home," says Dr Amanda King from Honeywell Connected Enterprise.

During a demo flight from North Las Vegas Airport, the system offered connection speeds of between six and 13Mb/s, allowing for simultaneous Facetime calls, streaming of live TV and general web surfing from a packed aircraft.

The JetWave system allows operators to control the amount of bandwidth that streaming video services consume, enabling them to use less-expensive data plans while still being able to deliver high-quality video conferencing and in-flight entertainment to the aircraft cabin.

IN BRIEF

PIAGGIO BACKS TRAXXALL

Traxxall has been named as an approved maintenance tracking provider by Piaggio Aerospace. All factory-delivered Avanti Evos will have Traxxall's maintenance tracking as an option. Separately, Jet-Care, which provides engine trend monitoring services, will integrate its webECHO system with the Traxxall maintenance tracking and inventory management service.

PART 145 NOD FOR PERRYVILLE

West Star Aviation says its Perryville site has been awarded its Federal Aviation Administration Part 145 FAA repair station air agency certificate.

FLYRIGHT ADDS GARMIN SIM

FlyRight is expanding its Textron Aviation Beechcraft King Air programmes to include Garmin G1000 avionics. Training courses will be provided in FlyRight's new full-motion King Air 350/200 G1000 simulator. The device, made by ASE, is convertible between a King Air B200 and King Air 350 model, both equipped with G1000NXi avionics.

MANUAL STANDARDS

AviationManuals is to partner with the International Business Aviation Council (IBAC) to maintain IBAC's free general company operations manual current to the latest IS-BAO [International Standard for Business Aircraft Operations] revision, as well as provide development methods to operators looking to obtain and maintain IS-BAO registration. "We look forward to supporting IBAC by improving and keeping its already robust GCOM up to date, thereby providing an even better free solution to IS-BAO members," says AviationManuals chief executive Mark Baier.

Inmarsat's success sends demand into orbit

Global satellite communications company Inmarsat Aviation has returned to the show to highlight the rapid uptake of its Jet ConneX in-flight wi-fi solution which, since its introduction in 2016, has been installed and activated on more than 600 business jets worldwide.

The company is seeking to further develop and expand its share of the business aviation in-flight connectivity market, and says it has a fully-funded development roadmap for its global Ka-band network, which is currently delivered through its Global Xpress (GX) high-throughput satellites.

"We have been overwhelmed by the response to the Jet ConneX service," says Inmarsat senior vice-president Kai Tang, describing the offering as "the gold standard" for in-flight broadband services in the business sector.

"There are no signs that the demand is going to slow down," he says.

Anticipating future growth, Inmarsat is looking to launch a number of new satellites over the next five years, Tang says.

"The demand for global, high-speed wi-fi broadband is only going to grow, and customers are going to continue to call for the latest and greatest technologies in their business jet cabins to mirror what they have at home," Tang says. "We have to be prepared for this now and not wait for the surge to happen."

The company will launch a fifth satellite, GX5, to add capability over Europe and the Middle East. This will be followed in 2021 and 2022 by GX6A and GX6B, which will give "extra capacity where we need it".

Three more satellites are set to be launched in 2023 to deliver what Tang calls "dynamic coverage". He says that while the previous satellites "just stare at the earth", GX7, GX8 and GX9 will be "more dynamic and intuitive", delivering capacity to high-demand areas as needed.

Kai Tang says Jet ConnexX wi-fi is "gold standard" in in-flight connectivity

GX10A and 10B will be launched in in 2022 in partnership with Space Norway, to give coverage over the Arctic Circle. "This will be a game-changer," Tang says, as it will "open up new routes allowing operators to save time".

Inmarsat says its GX network will offer "enhanced, focused, ultra-high-power capacity that can be immediately relocated in line with high demand flight patterns and respond to seasonal demand surges across the globe".

The company says this will cement Jet ConneX's position as the world's flagship connectivity provider for business jets, and "future-proof" its ability to provide a consistently high quality of service in the future.

CAE WINS COMMITMENTS

CAE has extended business aviation training contracts with five business aviation operators. Jet Suite has renewed an exclusive deal with the Canadian company for six years on its Embraer fleet, while Silver Air has signed for four more years on its fleet of Boeing, Bombardier, Cessna, Dassault, Gulfstream, Embraer and Hawker platforms.

Meanwhile, Solairus Aviation has renewed an agreement for four years for its Bombardier, Dassault and Gulfstream aircraft.

TAG Aviation Holdings has selected CAE as its training partner for an addition three years. Vulcan Flight Management has committed for four years on its Gulfstream G650 and Bombardier Global Express programmes.