Boeing Airplane Development: Creating the Next Generation of Airplanes

Airplane Development is the organization within Boeing Commercial Airplanes that develops and certifies new Boeing commercial jetliner models. Led by Senior Vice President and General Manager Scott Fancher since its formation in 2012, Airplane Development applies a single, integrated management system for all airplane development.

The organization prioritizes disciplined execution while reducing program risk and delivering the performance that airlines, lessors and investors expect of Boeing’s newest airplane products. With four development programs underway at Commercial Airplanes – the 737 MAX, 787-10, 777X and KC-46 Tanker – Boeing is well positioned to create the next products to meet market requirements – airplanes at the core of Boeing’s future.

The Boeing 737 MAX

Boeing’s newest family of single-aisle airplanes – the 737 MAX 7, 737 MAX 8, 737 MAX 9 and 737 MAX 200 – will build on the Next-Generation 737’s popularity and reliability while delivering to customers unsurpassed fuel efficiency. Development of the 737 MAX is on schedule, with firm configuration of the airplane achieved in July 2013 and parts fabrication for the first 737 MAX begun in 2014. Assembly takes place in 2015. First flight is scheduled for 2016, with deliveries to customers beginning in 2017. Already a market success, the 737 MAX has logged more than 2,800 orders.

The Boeing 787-10 Dreamliner

The Boeing 787 Dreamliner is a family of super-efficient airplanes with new passenger-pleasing features that brings the speed and economics of large jets to the middle of the market. As a stretch of the second 787, the 787-9, the 787-10 will retain 95 percent commonality while adding seats and cargo capacity and setting a new
benchmark for efficiency: 25 percent better fuel per seat and emissions than the airplanes it will replace. In a two-class configuration, the 787-10 will fly 330 passengers up to 6,430 nautical miles (11,910 km), or more than 90 percent of the world’s twin-aisle routes, when deliveries begin in 2018.

**The Boeing 777X**

The 777X is Boeing’s newest family of twin-aisle airplanes, building on the passenger-preferred and market-leading 777. Production of the 777X is scheduled to begin in 2017 and first delivery is targeted for 2020.

The 777X will be the largest and most efficient twin-engine jet in the world, with 12 percent lower fuel consumption and 10 percent lower operating costs than the competition. The family includes the 777-8 and the 777-9, both designed to respond to market needs and customer preferences. The 777-8 competes directly with the A350-1000, while the 777-9 is in a class by itself.

**The Boeing KC-46 Tanker**

The KC-46 is a widebody, multi-role tanker that promises to revolutionize the air mobility mission. It can refuel all U.S., allied and coalition military aircraft compatible with international aerial refueling procedures, any time, on any mission, and can carry passengers, cargo and patients whenever and wherever needed. The ability to detect, avoid, defeat and survive threats using multiple layers of protection will allow the KC-46 to operate safely in medium-threat environments. KC-46 is based on a commercial 767 with more than 1,000 767s built to date. It is a proven commercial airliner, freighter and tanker already in service.