

## 737 MAX Progress Report

---

### 737 MAX Progress Report

CHICAGO, Nov. 11, 2019 -- Boeing's priority remains the safe return to service of the MAX and supporting our airline customers through this challenging time. We are working closely with the FAA and other regulatory authorities as we work towards certification and safe return to commercial service, and we are taking the time to answer all of their questions. With the rigorous scrutiny being applied, we are confident the MAX will be one of the safest airplanes ever to fly.

While the FAA and other regulatory authorities will determine the timing of certification and return to commercial service, Boeing continues to target FAA certification of the MAX flight control software updates during this quarter. Based on this schedule, it is possible that the resumption of MAX deliveries to airline customers could begin in December, after certification, when the FAA issues an Airworthiness Directive rescinding the grounding order. In parallel, we are working towards final validation of the updated training requirements, which must occur before the MAX returns to commercial service, and which we now expect to begin in January.

There are five key milestones Boeing must complete with the FAA before return to service:

1. **FAA eCab Simulator Certification Session:** A multi-day eCab simulator evaluation with the FAA to ensure the overall software system performs its intended function, both normally and in the presence of system failures. COMPLETED
2. **FAA Line Pilots Crew Workload Evaluation:** A separate, multi-day simulator session with airline pilots to assess human factors and crew workload under various test conditions.
3. **FAA Certification Flight Test:** FAA pilots will conduct a certification flight(s) of the final updated software.
4. **Boeing Final Submittal to the FAA:** After completion of the FAA certification flight, Boeing will submit the final certification deliverables and artifacts to the FAA to support software certification.
5. **Joint Operational Evaluation Board (JOEB) Simulator Training Evaluation:** The Joint Operational Evaluation Board (JOEB), a multi-regulatory body, conducts a multi-day simulator session with global regulatory pilots to validate training requirements. Following the simulator session, the Flight Standardization Board will release a report for a public comment period, followed by final approval of the training.

Boeing and the FAA successfully concluded the first of these milestones this past week, and are now working towards the FAA line pilots evaluation and the FAA certification flight test.

At each step of this process Boeing has worked closely with the FAA and other regulators. We're providing detailed documentation, had them fly in the simulators, and helped them understand our logic and the design for the new procedures, software and proposed training material to ensure that they are completely satisfied as to the airplane's safety. The FAA and other regulatory authorities will ultimately determine return to service in each relevant jurisdiction. This may include a phased approach and timing may vary by jurisdiction.

#### Contact

Members of the news media should direct queries to [media@boeing.com](mailto:media@boeing.com) or 312-544-2002.

---