LEAP
development timeline

2005 JUNE 17

At the Paris Air Show, CFM launches the LEAP56 technology development program

2008 OCT 13

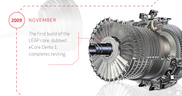
CFM launches the LEAP-X engine, promising a 16 percent improvement in fuel efficiency by 2016 at the Farnborough Airshow.

2009 JANUARY

Ground test begins of a full-scale 3-D woven RTM (resin transfer molding) LEAP fan as part of the MACCOT (Moteurs Aubes de Soufflante Composite Tailles) program.

2009 MAY

Rig tests of the ultra-high efficiency LEAP low-pressure turbine yield out-standing results.



2009 NOVEMBER

The First build of the LEAP-1A/B, dubbed eCore Demo 1, completes testing.

2009 DECEMBER 21

COMAC selects what would become the LEAP-1C as the sole Western powerplant for its new C919 airplane.

2011 JUNE 14

The LEAP program is officially launched with an order for 60 engines from Virgin America.

2011 JUNE

eCore Demo 2 begins ground testing ahead of schedule.

2011 AUGUST 30

The Boeing Board approves the launch of the Boeing 737 MAX with the LEAP-1B as the sole powerplant.

2013 SEPTEMBER 4

The first full LEAP-1A/C engine begins ground testing at Peebles, Ohio, two days ahead of schedule.

2014 JUNE 18

The First LEAP-1B engine begins ground testing, ahead of schedule, three days ahead of schedule.

2014 OCTOBER 6

The First LEAP engine takes to the skies for flight testing aboard a Boeing 747-200B flying testbed.

2015 JANUARY 12

The LEAP-1A begins flight tests on a modified 747-400 flying testbed.

2015 APRIL 29

The LEAP-1B begins flight tests on a modified 747-100 flying testbed.

2015 MAY 19

The LEAP-1A takes off on its first flight powering the A319 MSN1.

2015 NOVEMBER 20

The LEAP-1A receives joint FAA/EASA engine certification.

2016 JANUARY

LEAP orders surpass the 10,000 engine mark.

2016 MAY 31

The LEAP-1A powered A320neo receives joint FAA/EASA airworthiness certification.

2016 JUNE 4

The LEAP-1B receives joint FAA/EASA engine certification.

2016 JULY 21

First A320neo with LEAP-1A engines delivered to Pegasus Airlines.

2016 DECEMBER 21

LEAP-1C engines receive FAA and EASA joint certification.

2017 MARCH 1

A321neo with CFM LEAP-1A engines receives joint EASA / FAA certification.

2017 MARCH 9

Boeing 737 MAX 8 with CFM LEAP-1B engines receives FAA certification.

2017 APRIL 3

First LEAP-1A powered A321neo makes maiden flight.

2017 APRIL 13

First LEAP-1B powered Boeing 737MAX 9 takes to the skies.

2017 APRIL 20

Virgin America takes delivery of first LEAP-1A powered A321neo.

2017 MAY 5

LEAP-1C powered COMAC C919 completes successful maiden flight.

2017 MAY 23

Malindo Air becomes the world's first airline to operate LEAP-1B engines.