PRESS RELEASE

CFM LEAP-1C integrated propulsion system achieves joint EASA / FAA certification

COLOGNE, Germany / BOSTON, Massachusetts — 21 December 2016 — CFM International’s advanced LEAP-1C integrated propulsion system was today simultaneously awarded Type Certificates by both the European Aviation Safety Agency (EASA) and the U.S. Federal Aviation Administration (FAA), paving the way for entry into commercial service on the COMAC C919 aircraft.

CFM is unique in that it is the only engine manufacturer to gain dual original certification from both agencies, rather than one lead agency issuing a type certification and the second agency validating that certification. This reflects CFM’s 50/50 design and production structure between parent companies GE and Safran, which has been so successful for more than 40 years.

“It has been an incredible year for the LEAP program, culminating in the certification of the third model in this engine family,” said Allen Paxson, executive vice president for CFM. “Everyone, from the project and engineering teams to manufacturing and our suppliers, has done an incredible job of keeping this program on schedule and building an engine that is delivering everything that we have promised.”

The LEAP-1C thrust reverser was developed by Nexcelle, a joint venture between Safran Nacelles and GE Aviation’s Middle River Aircraft Systems (MRAS).

In addition to the IPS, the LEAP-1C engine features some of the industry’s most advanced technologies, including 3-D woven carbon fiber composite fan blades and fan case; a unique debris rejection system; 4th generation three dimensional aerodynamic designs; the Twin-Annular, Pre-Swirl (TAPS) combustor featuring additively manufactured fuel nozzles; ceramics matrix composite shrouds in the high-pressure turbine; and titanium aluminide (Ti-Al) blades in the low-pressure turbine.

The first LEAP-1C engine successfully completed a flight test program in late 2014 on a modified 747 flying testbed at GE facilities in Victorville, California. In November 2015, the first C919 rolled out at COMAC facilities in Shanghai. More recently, COMAC successfully started the engines for the first time in early November 2016, running them for 10 minutes at ground idle power at the company’s Shanghai Pudong International Airport facility.

The LEAP engines currently in commercial service are providing operators with double-digit improvements in fuel consumption and CO2 emissions compared to today’s best CFM engine, along with dramatic reductions in engine noise and exhaust gaseous emissions. All this technology brings with it CFM’s legendary reliability and low maintenance costs.
About CFM International

The LEAP engine is a product of CFM International, a 50/50 joint company between GE and Safran Aircraft Engines. This engine has experienced the fastest order ramp up in commercial aviation history, with the company receiving orders and commitments for a total of more than 11,500 engines across all three models.

For more information, visit us at www.cfmaeroengines.com or follow us on Twitter @CFM_engines.

Jamie Jewell : jamie.jewell@ge.com / T: 513.552.2790 M: 513.885.2282  |  Rick Kennedy : rick.l.kennedy@ge.com / T: 513.243.3372 M: 513.607.0609  |  Stéphanie Agamennone : stephanie.agamennone@safrangroup.com / T: 33.1.69.87.09.28 M: 33.6.32.15.82.05