

PHENOM[®]
BY EMBRAER

EMBRAER
Executive Jets



PHENOM 100[®]
BY EMBRAER

PHENOM 300[®]
BY EMBRAER

PROGRESS REPORT

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From the desk of Luís Carlos Affonso

I am elated to inform you that the first Phenom 300 rolled out of the hangar at the Gavião Peixoto facility on April 12. This event is also of historic importance in that the Phenom 300 is the first Embraer aircraft to roll out of that facility.

We have also commenced the production of the first Phenom 100 that will be delivered to a customer.

The fourth Phenom 100 has flown! It has joined the test fleet to perform the maturity campaign. Its intense test schedule will enable the confirmation of the jet's quality and high-utilization characteristics. All four test aircraft are making steady progress in the certification and maturity campaigns, having accumulated over 530 flight hours.

Enjoy!

Luís Carlos Affonso

The Phenom Programs

Announced in May 2005, the Phenom 100 performed its first flight in July 2007 and four aircraft are currently in the Flight Test campaign. The Phenom 300 is scheduled for first flight in mid-2008. The jets are expected to enter into service in the second half of 2008 and in the second half of 2009, respectively.

The Phenom jets are clean-slate designs, envisioned to offer premium comfort, outstanding performance and low operating cost. Embraer has partnered with renowned aviation industry leaders to manufacture and support the Phenom 100 and Phenom 300.



Representatives of the teams involved in the Phenom 300 program.

The Phenom 100 Program

Manufacturing and First Flight

The fourth Phenom 100 – The jet performed its maiden flight on March 26, departing from Embraer's test airstrip in Gavião Peixoto. The flight marks the beginning of the Phenom 100's maturity campaign, whose intensive schedule will simulate real conditions of the jet in operation, including exposure to extreme hot and cold weather.



Components of the first customer's Phenom 100



The fourth Phenom 100 during interior installation



The Phenom 100 wing during overload test



The fourth Phenom 100 performs first flight

Serial production – Serial production of the Phenom 100 has begun at Botucatu facility, where components are being manufactured.

Static tests – Embraer performed the Phenom 100 wing overload test. During the test, a load 50% higher than the jet's maximum capability was applied to the Phenom wing, which resisted successfully.

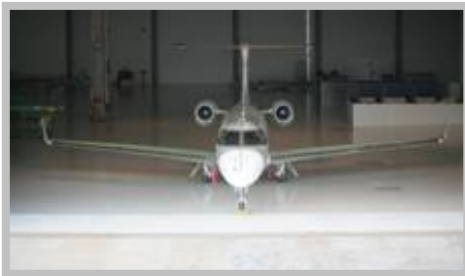
Test campaign – Meanwhile, the Phenom 100 flight test campaign has accumulated more than 530 hours flown. There are now four jets performing in-flight evaluations dedicated to the maturity and certification campaigns.

The Phenom 300 Program

Rollout

Rollout – The Phenom 300 is ready! The jet was rolled out on April 12. The event marks the completion of final assembly and precedes a series of ground tests to be conducted in preparation for the jet's first flight. The Phenom 300 rollout occurred only 10 months after the rollout of the Phenom 100 in June 2007.

"The roll-out of the first Phenom 300 is a rewarding achievement, a direct result of the unwavering commitment and relentless drive of our engineering, manufacturing and quality teams," said Henrique Langenegger, Embraer Vice President, Programs – Executive Jets. *"Over 400 engineers were commissioned to the Phenom 300 program. The deployment of state-of-the-art technologies enabled a paperless design process, efficient integration of over 50 suppliers, serial production tooling for the very first aircraft, and fully-digital quality assurance."*



The Phenom 300 rollout



The Phenom 300 Program

Manufacturing

Wing and engines installation – The Phenom 300 wing was mated to the fuselage on February 28. The process was previously simulated with virtual manufacturing software and the wing was precisely mated. Subsequent to the wing installation, both Pratt & Whitney Canada PW535-E engines were mounted, as well as the nose landing gear.



Phenom 300 engines and wing installation



Phenom 300 final assembly



The Phenom 300 Prodigy Flight deck lit during the electrical power-on test

Electrical Power-on – On March 4, the Phenom 300 jet performed the electrical power-on test, which evaluated the systems and their integration. This procedure is completely automated, being conducted up to 60% faster than if manually conducted.

Empennage – The all-composite empennage was installed in late March.

Second Phenom 300 – The fuselage of the second Phenom 300 has just arrived in Gavião Peixoto for final assembly.

The Phenom 100 and Phenom 300 Programs

Customer Support



Service Center at Bradley Airport, Connecticut



Service Center in Williams Gateway, Arizona



Service Center in Fort Lauderdale, Florida



Service Center at Le Bourget Airport, France –
inside view

New Service Center – Embraer's new Executive Jets Center at Le Bourget Airport, in France, received the European Aviation Safety Agency (EASA) Part 145 Approval Certificate to operate in Europe. The facility is dedicated exclusively to the Embraer Executive Jets fleet.

Location – Located at one of the busiest airports in Europe, 20 minutes from downtown Paris, the Le Bourget service center has a total area of 37,674 square feet (3,500 square meters). The facility offers customers an executive ambience with deluxe amenities.

Service Center Network – In accordance to Embraer's plan, three other owned service centers exclusive to executive jets maintenance are in built. They will all support the Phenom 100 and the Phenom 300, as the jets begin operations in 2008 and 2009, respectively. In addition, all authorized service center contracts are signed, tooling is on order and technician training is scheduled.



Embraer Le Bourget Service Center – newly certified