



## EMBRAER PHENOM 300 JET ACHIEVES CERTIFICATION BY BRAZIL'S ANAC

*U.S. certification expected shortly, followed by first deliveries*



**São José dos Campos, December 3, 2009** – Embraer received the type and production certificates, today, for its Phenom 300 executive jet from Brazil's National Civil Aviation Authority (Agência Nacional de Aviação Civil – ANAC) in a ceremony held at Company headquarters, in São José dos Campos, Brazil. The U.S. Federal Aviation Administration (FAA) type certificate is expected to be issued in the coming weeks.

*“When we launched the Phenom 300 program, we wanted to bring an unparalleled product into the light jet category,”* said Luís Carlos Affonso, Embraer Executive Vice President, Executive Jets. *“Besides delivering a product with unique and innovative features for this class, we are very happy to announce that the Phenom 300 has not only met all original specification targets, but has also surpassed many performance goals.”*



*Embraer and ANAC executives during Phenom 300 certification ceremony*

The Phenom 300's maximum range, originally designed to be 1,800 nautical miles (3,334 kilometers), has been extended to 1,971 nautical miles (3,650 kilometers) with six occupants and NBAA IFR reserves. Runway performance also significantly improved over the initial targets. Takeoff field length, at maximum takeoff weight (MTOW), is now 3,138 feet, considerably better than the original 3,700 feet, while landing distance at maximum landing weight (MLW) improved to 2,621 feet, or 329 feet shorter than the targeted 2,950 feet.

For flights into and out of airports with restrictions due to high temperatures or high elevations, the Phenom 300 exceeded the range targets, resulting, for example, on a range of more than 2000 nm from Aspen, Colorado, U.S. Climb performance also surpassed expectations, allowing the aircraft to depart from sea level at MTOW and reach its operational ceiling of 45,000 feet in only 26 minutes. Powered by two fuel-efficient Pratt & Whitney Canada PW535-E engines, the Phenom 300's fuel consumption is as much as 6% better than originally estimated.

### PRESS OFFICES

#### Headquarters (Brazil)

Carlos Eduardo Camargo  
[carlos.camargo@embraer.com.br](mailto:carlos.camargo@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

#### North America

Christine Manna  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

#### Europe, Middle East and Africa

Stéphane Guilbaud  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

#### China

Tracy Chen  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986

#### Asia-Pacific

Shorbani Roy  
[shorbani.roy@sin.embraer.com](mailto:shorbani.roy@sin.embraer.com)  
 Cell: +65 9794 2401  
 Tel.: +65 6305 9955  
 Fax: +65 6734 8255



The jet's top speed of 453 knots (True Air Speed – TAS) was validated during the flight test campaign. Certified without restrictions, the Phenom 300 is able to fly according to Visual and Instrument Flight Rules, day or night, and into known or forecasted icing conditions. The aircraft also operates well within Stage IV external noise requirements, having been certified with a cumulative margin of 24 EPNdB.

*“After working hard to meet design criteria and certification requirements, we are finally approaching the first Phenom 300 delivery. The aircraft's performance demonstrates the top quality of our engineering,”* said Humberto Pereira, Embraer Vice President, Engineering, Executive Jets. *“I would also like to congratulate ANAC for their professionalism and competence demonstrated during the Phenom 300 certification campaign.”*

The highly intuitive Prodigy® flight deck, based on the acclaimed Garmin G1000 avionics suite, was developed from Embraer's accumulated experience in human factors design. Its quiet and dark cockpit philosophy, combined with outstanding ergonomic features, offers full situational awareness and automation for a low workload, enabling single-pilot operation.

The interior of the Phenom 300 was certified to offer unprecedented space and comfort in the light jet category. Its windows, cabin volume, and baggage compartment are the largest among light jets. The airplane's Oval Lite cross-section benefits passengers with greater leg and headroom, and the fully reclinable seats that can move laterally and swivel up to 180° to provide passengers with greater flexibility in the cabin. Its rear lavatory has a rigid door and is the only one in the segment that can be serviced externally.



The in-flight entertainment system offers optional individual monitors and a 10.4-inch ceiling monitor. The generous galley and wardrobe storage space add convenience for a premium travel experience.

## PRESS OFFICES

### Headquarters (Brazil)

**Carlos Eduardo Camargo**  
[carlos.camargo@embraer.com.br](mailto:carlos.camargo@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

### North America

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

### Europe, Middle East and Africa

**Stéphane Guilbaud**  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

### China

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986

### Asia-Pacific

**Shorbani Roy**  
[shorbani.roy@sin.embraer.com](mailto:shorbani.roy@sin.embraer.com)  
 Cell: +65 9794 2401  
 Tel.: +65 6305 9955  
 Fax: +65 6734 8255



*“I want to congratulate Embraer's teams and our partners for their creativity, competence and dedication to produce this best-in-class jet,” said Affonso. “I am very glad that we succeeded in certifying the Phenom 300 less than one year after certifying the Phenom 100, and with excellent results.”*

Besides its amazing comfort and performance, the Phenom 300 also raises the bar, in terms of robustness, ease of maintenance, and dispatch reliability. With a design life of 35,000 flight hours, the airplane also offers other unique characteristics that rank the Phenom 300 at the top of light jet standards: Smartprobes™, which increase reliability and reduce maintenance tasks; carbon brakes, which allow 60% less replacements; brake-by-wire system; hot bleed anti-ice on the horizontal stabilizers; and single-point refueling capability.

At the same time that Embraer received the type certificate for the Phenom 300, ANAC also issued the production certificate, which is an approval to manufacture the jet in series. The process began in June 2007, and Embraer had to demonstrate that the Phenom 300 Organization Production System (Sistema de Organização da Produção – SOP) complies with the Brazilian aeronautical rules. The main characteristics analyzed by ANAC were project and material controls, manufacturing process, final dispatch and continuous airworthiness, which are part of the Production Organization Manual (Manual de Organização da Produção – MOP).

Embraer's Executive Jets Customer Support and Services structure is ready for the Phenom 300 to enter service. The Embraer Executive Jets service centers network currently consists of six factory-owned and more than 30 authorized service centers, worldwide.

The Company also has partnerships with renowned companies in the areas of logistics, pilot and training. The Company's product support structure covers flight operations and technical and maintenance assistance, material support, as well as the new customer Contact Center, that minimizes down time by quickly and efficiently applying the appropriate resources to critical situations.

Effective February 1, 2010, the list price of the Phenom 300 will be US\$ 8.14 million, under 2010 economic conditions, for FAA certified aircraft.

The following tables present the aircraft's performance data and basic structural and operational weights.

## PRESS OFFICES

### Headquarters (Brazil)

**Carlos Eduardo Camargo**  
[carlos.camargo@embraer.com.br](mailto:carlos.camargo@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

### North America

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

### Europe, Middle East and Africa

**Stéphane Guilbaud**  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

### China

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986

### Asia-Pacific

**Shorbani Roy**  
[shorbani.roy@sin.embraer.com](mailto:shorbani.roy@sin.embraer.com)  
 Cell: +65 9794 2401  
 Tel.: +65 6305 9955  
 Fax: +65 6734 8255



## Phenom 300 Performance Data

	Design Goals	Final Results
Range (***)	1,800 nm	1,971 nm
High Speed Cruise (TAS)	450 knots	453 knots
MMO	Mach 0.78	Mach 0.78
Takeoff field length (*)	3,700 feet	3,138 feet
Landing distance (**)	2,950 feet	2,621 feet
Time to climb to FL450 (*)	35 minutes	26 minutes
Operational ceiling (direct climb)	45,000 feet	45,000 feet

(\*) Maximum Takeoff Weight (MTOW), Sea Level (SL), Ideal Standard Atmosphere (ISA)

(\*\*) Maximum Landing Weight (MLW), SL, ISA

(\*\*\*) NBAA IFR reserves (35 minutes) with 100 nm alternate; six occupants (200 lb. or 91 kg., each)

## Basic Structural and Operational Weights for the Phenom 300 standard configuration

### Weights

Maximum Ramp	18,078 lb.	8,200 kg.
Maximum Take-Off	17,968 lb.	8,150 kg.
Maximum Landing	16,865 lb.	7,650 kg.
Maximum Zero Fuel	13,999 lb.	6,350 kg.
Basic Operating (*) (**)	11,583 lb.	5,254 kg.
Maximum Payload (**)	2,416 lb.	1,096 kg.
Maximum Usable Fuel (***)	5,353 lb.	2,428 kg.

(\*) Considering one crew member (200 lb. or 91 kg.)

(\*\*) Weights may vary according to optional equipment installed or interior layouts

(\*\*\*) Adopted fuel density is 6.70 lb./U.S. gal. (0.803 kg./liter)

## About the Phenom 300 jet

The Phenom 300 light jet accommodates up to ten occupants in a spacious and pleasant interior, designed in partnership with BMW Group DesignworksUSA. Swept wings, with winglets, and modern onboard systems were developed with outstanding flight performance in mind. A single refueling port, an externally serviced lavatory, and excellent cabin pressurization are some of the jet's distinctive features.

The Phenom 300 is one of the fastest aircraft in the light jet category, reaching 521 mph (839 km/h, or 453 knots – KTAS), and it can fly at an altitude of up to 45,000 feet (13,716 meters).

## PRESS OFFICES

### Headquarters (Brazil)

Carlos Eduardo Camargo  
[carlos.camargo@embraer.com.br](mailto:carlos.camargo@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

### North America

Christine Manna  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

### Europe, Middle East and Africa

Stéphane Guilbaud  
[squilbaud@embraer.fr](mailto:squilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

### China

Tracy Chen  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986

### Asia-Pacific

Shorbani Roy  
[shorbani.roy@sin.embraer.com](mailto:shorbani.roy@sin.embraer.com)  
 Cell: +65 9794 2401  
 Tel.: +65 6305 9955  
 Fax: +65 6734 8255



Its range of 1,971 nautical miles (3,650 km), including NBAA IFR fuel reserves, means the aircraft is capable of flying nonstop from New York to Dallas, in the U.S.; from London (U.K.) to Athens (Greece), in Europe; or from Delhi (India) to Dubai (United Arab Emirates). For more information on Embraer Executive Jets, visit [www.EmbraerExecutiveJets.com](http://www.EmbraerExecutiveJets.com).

### Embraer Image Gallery

Visit the Embraer image gallery at [www.embraer.com](http://www.embraer.com).



KC-390

Legacy 600 Interior

EMBRAER 195

Phenom 100

Super Tucano

### Note to Editors

Embraer (Empresa Brasileira de Aeronáutica S.A. - NYSE: ERJ; BM&FBovespa: EMBR3) is the world's largest manufacturer of commercial jets up to 120 seats, and one of Brazil's leading exporters. Embraer's headquarters are located in São José dos Campos, São Paulo, and it has offices, industrial operations and customer service facilities in Brazil, China, France, Portugal, Singapore, and the United States. Founded in 1969, the Company designs, develops, manufactures and sells aircraft for the commercial aviation, executive aviation, and defense segments. The Company also provides after sales support and services to customers worldwide. On September 30, 2009, Embraer had a workforce of 16,986 employees – not counting the employees of its partly owned subsidiaries – and its firm order backlog totaled US\$ 18.6 billion.

*This document may contain projections, statements and estimates regarding circumstances or events yet to take place. Those projections and estimates are based largely on current expectations, forecasts on future events and financial tendencies that affect Embraer's businesses. Those estimates are subject to risks, uncertainties and suppositions that include, among others: general economic, political and trade conditions in Brazil and in those markets where Embraer does business; expectations on industry trends; the Company's investment plans; its capacity to develop and deliver products on the dates previously agreed upon, and existing and future governmental regulations. The words "believe", "may", "is able", "will be able", "intend", "continue", "anticipate", "expect" and other similar terms are supposed to identify potentialities. Embraer does not feel compelled to publish updates nor to revise any estimates due to new information, future events or any other facts. In view of the inherent risks and uncertainties, such estimates, events and circumstances may not take place. The actual results can therefore differ substantially from those previously published as Embraer expectations.*

### PRESS OFFICES

#### Headquarters (Brazil)

Carlos Eduardo Camargo  
[carlos.camargo@embraer.com.br](mailto:carlos.camargo@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

#### North America

Christine Manna  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

#### Europe, Middle East and Africa

Stéphane Guilbaud  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

#### China

Tracy Chen  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986

#### Asia-Pacific

Shorbani Roy  
[shorbani.roy@sin.embraer.com](mailto:shorbani.roy@sin.embraer.com)  
 Cell: +65 9794 2401  
 Tel.: +65 6305 9955  
 Fax: +65 6734 8255