

未来公务机概览

近期一些新款或者经过大幅升级的公务机获得了运营证书，在未来几年里，还有19架飞机等待获得美国联邦航空管理局（FAA）的运营批准。如果全球经济复苏，公务机的市场需求必将强势上扬。让我们简单了解一下最新款的公务机吧！

A Look At Tomorrow's Business Jets TODAY

Some new or dramatically upgraded business jets have recently been certified, and manufacturers anticipate FAA approval for 19 more models over the next several years. Assuming the global economy improves, demand for them should be strong. Here's a look at the latest bizjet crop.

by BJT Staff 员工报告

空客

空客ACJ350的客舱容积为2900立方英尺，它的最大巡航速度可达0.89马赫。该机航程可达10050海里，最远可以从纽约直达北京。飞机的售价尚未公布，但它的同胞兄弟A350-800的售价为2.45亿美元。空客声称已售出两款ACJ350，该机有望今年投入运营。

Airbus

Airbus's ACJ350, which offers 2,900 square feet of cabin space, will be capable of speeds up to Mach 0.89. Its 10,050-nautical-mile range will provide for nonstop connections between cities as far apart as New York and Beijing. No price has been announced, but the A350-800 airline variant sells for about \$245 million. Airbus claims to have sold two ACJ350s and expects the model to enter airline service this year.



空客A350 Airbus A350



波音787 Boeing 787

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波音

总部位于西雅图的波音公司声称已收到12款 Dreamliner 787-8 公务机的订单和3款787-9公务机的订单。

双发喷气机787可以携带75名乘客，不间断航程达到9260海里。2013年年初该机因锂离子电池问题未能投入市场，但如今这个问题已经得到解决并达到令FAA满意的程度。波音计划今年年初将第一架787交付给总装中心。机舱未装修的飞机售价约为1.2亿美元。

波音计划下一步推出737 Max，声名显赫的737家族即将迎来新的一员。BBJ Max 8 将于2017或2018年开始交付客户，随后交付机身更长的BBJ Max 9。BBJ Max 7仍在研发当中。

波音747-8的公务机版本已经开始交付独立的总装中心，首批飞机今年有望交付客户。

Boeing

Seattle-based Boeing reports orders for 12 Boeing Business Jet versions of its new Dreamliner 787-8 and three executive versions of the 787-9.

The twinjet 787 will carry some 75 passengers 9,260 miles nonstop. A problem with its lithium ion battery grounded the fleet in early 2013 but the issue has been resolved to the FAA's satisfaction and Boeing expected to deliver the first 787 to a completion center early this year. With an unfinished cabin, the model sells for about \$120 million.

The next airliner out the door at Boeing will be the 737 Max, the latest in a long line of successful airplanes in the 737 family. The BBJ Max 8 should begin deliveries in 2017 or 2018, followed by the longer BBJ Max 9. A BBJ Max 7 is still under study.

Meanwhile, deliveries of the Boeing Business Jet variant of the new 747-8 to independent completion centers have begun and the first customer delivery is expected this year.

庞巴迪

加拿大飞机制造商庞巴迪的里尔（Learjet）85即将获准运营，这架飞机将成为迄今体积最大、速度最快的里尔喷气机。庞巴迪原计划该机本年投入运营，但迟迟未获得运营证书。庞巴迪声称该机最大巡航速度可达0.82马赫，最大航程可达3000海里。它的售价为1970万美元，市场定位介于里尔60XR和挑战者300之间。

去年年末庞巴迪开始交付新上市的里尔70和75。里尔70是里尔40的升级版，市场售价为1110万美元。里尔75是里尔45的增强版，其售价为1360万美元。

庞巴迪的挑战者350是挑战者300的升级版，机翼为全新设计，发动机为更强劲的霍尼韦尔HTF7350，航程更长，机舱容积更大，机身上还安装有洛克韦尔科林斯（Rockwell Collins）Pro Line 21 Advanced 航电套件。5月该机将投入运营。

与此同时，庞巴迪的环球（Global）家族也将推出最新成员：环球7000和环球8000。环球7000的市场售价为6890万美元，它拥有四区机舱，最大巡航速度可达0.90马赫，航程可达7300海里。庞巴迪预期该机可于2016年投入运营。环球8000拥有三区机舱，一年后即将投入运营。环球8000的市场售价为6620万美元，它的航程可达7000海里，最大巡航速度可达0.85马赫。

Bombardier Aerospace

Canadian manufacturer Bombardier Aerospace continues to move toward certification of its Learjet 85, the biggest and fastest of the family to date. The company had expected the model to enter service this year but delays have pushed the certification date to the third quarter of 2014. Bombardier reports that the model will have a high-speed cruise of Mach 0.82 and a range of 3,000 nautical miles. Priced at \$19.7 million, it will occupy a market niche between the Learjet 60XR and Challenger 300.

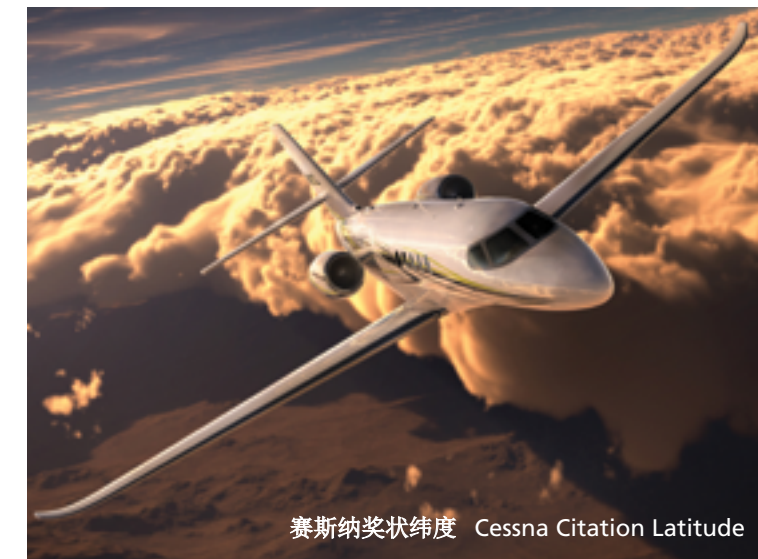
Deliveries of the new Learjet 70 and 75 models began late last year. The Learjet 70 is an upgrade of the Learjet 40 and sells for \$11.1 million. The Learjet 75 is an enhanced version of the Learjet 45 and is priced at \$13.6 million.

Bombardier's Challenger 350 is an upgrade of the Challenger 300, with new wings, more powerful Honeywell HTF7350 engines, more range, larger interior and Rockwell Collins Pro Line 21 Advanced avionics. Service entry is due in May.

In the meantime, plans are proceeding for the debut of the latest members of the Global family—the Global 7000 and 8000. The 7000, with a \$68.9 million price tag, will have a four-zone cabin, travel at Mach 0.90 and have a range of 7,300 nautical miles. Bombardier expects it to enter service in 2016. The 8000, with a three-zone cabin, will enter service a year later. With a \$66.2 million price, it promises a range of 7,000 nautical miles and a cruise speed of Mach 0.85.



里尔75 Learjet 75



赛斯纳奖状纬度 Cessna Citation Latitude

赛斯纳

总部位于堪萨斯州威奇托的飞机制造商赛斯纳在2011年宣布推出中型喷气机奖状纬度(Citation Latitude)。该机标配版售价为1500万美元，可搭载八名乘客，最大巡航速度可达442海里/小时。赛斯纳预期该机将于2015年投入运营。

推出纬度(Latitude)六个月后，赛斯纳宣布推出经度(Longitude)。该机为已退役的奖状哥伦布 (Citation Columbus) 的后续版本。这架超中型喷气机的机舱横截面与纬度相同，但机身比纬度长9英尺。它的设计航程约为4000海里，最大巡航速度为0.82马赫。该机售价为2590万美元，预期2017年将获准运营。

奖状M2填补了轻型喷气机奖状野马与CJ系列飞机之间的市场空白。赛斯纳称奖状M2精巧的翼尖小翼可使飞机的航程达到1300海里左右，最大巡航速度可达400海里/小时。该机售价为420万美元，2013年年末已获得运营证书并投入运营。

Cessna Aircraft

This Wichita, Kansas, manufacturer announced the launch of its Citation Latitude midsize jet in 2011. In its standard configuration, the \$15 million airplane will carry eight passengers at a maximum cruise speed of 442 knots. Cessna expects it to enter service in 2015.

Just six months after launch of the Latitude, the company announced the Longitude. It was envisioned as a follow-on development of the now-cancelled Citation Columbus. The super-midsize jet has the same cabin cross section as the Latitude but is nine feet longer. Cessna anticipates a range of about 4,000 nautical miles at Mach 0.82. Priced at \$25.9 million, the jet is expected to be certified in 2017.

The Citation M2 fills a gap between the Citation Mustang light jet and the CJ family. Cessna says its subtle winglets will give it a range of approximately 1,300 nautical miles and a maximum cruise speed of 400 knots. The \$4.2 million jet was certified and entered service late last year.

达索航空

去年年初法国飞机制造商达索航空获得了最新款公务机猎鹰2000S和2000LXS的运营证书。

达索航空新的研发项目为猎鹰5X，该机为宽体机身，安装了一种新型机翼，机翼带有扰流板、减速板和新型襟副翼，这种机翼有助于高速侧滚控制和低速增升。电传操纵系统5X将成为下一代猎鹰喷气机的设计基准，达索将推出一种更大的猎鹰喷气机，与庞巴迪和湾流的超远程喷气机争夺市场份额。

达索猎鹰2000S Dassault Falcon 2000S



Dassault Aviation

Early last year, this French manufacturer received certification for its latest business jets—the Falcon 2000S and 2000LXS.

The company's next project, the Falcon 5X, has a wide cabin and a new wing with spoiler and air brake control and new flaperons to aid high-speed roll control and low-speed lift augmentation. The fly-by-wire 5X could form the baseline for a next generation of Falcon jets, including a larger model to compete with ultra-long-range jets from Bombardier and Gulfstream.

湾流

湾流的最新款公务机是话题宠儿G650—全球最快的公务机—和它的小兄弟G280，两机于去年9月获得运营证书。截止发稿时间，湾流尚未发布关于其它机型的新闻。

Gulfstream

Gulfstream's much-talked-about G650—currently the fastest business jet available—and its smaller brother, the G280, were certified last September. As of press time, no news had been released about additional models in the works.

巴航莱格赛500 Embraer Legacy 500



巴西航空工业公司

巴西飞机制造商巴西航空工业公司正在研发的新飞机为莱格赛450和500。它们如姐妹般有许多共同之处，但绝非孪生。两种机型拥有许多相同的设施，机上都铺设平整的地板，允许乘客直立行走，机舱压力高度仅6000英尺，配备有湿式厨房，八张俱乐部式布局的座椅可以平放变为四张床铺。

中型公务机莱格赛500的售价为1998万美元，预计2014年上半年将投入运营。该机标配版可容纳八名乘客，航程可达3100海里，最大巡航速度为0.82马赫。

莱格赛450的机身较500略短，上面也可容纳八名乘客，最大巡航速度为0.82马赫，但其航程更短，只有2300海里。它的售价也较低，约为1647万美元。巴西航空工业公司预计该机可于2015年上半年投入运营。

Embraer

This Brazilian manufacturer's latest aircraft are the Legacy 450 and 500. They are siblings in many ways, but certainly not twins. Shared amenities include a flat floor and standup headroom, cabin pressure equivalent to 6,000 feet, a wet galley and eight club seats that will convert to four full-flat sleeping surfaces.

Embraer expects the \$19.98 million, midsize Legacy 500 to enter service in the first half of 2014. It will carry up to eight passengers in standard cabin configuration and have a range of 3,100 nautical miles and a maximum cruise speed of Mach 0.82.

The shorter Legacy 450 also accommodates eight passengers and has a maximum cruise speed of Mach 0.82 but less range—2,300 nautical miles. The price tag also is lower, at \$16.47 million. Embraer anticipates entry into service in the first half of 2015.

湾流650 Gulfstream 650



本田公务机 HondaJet



本田飞机公司

新飞机的研发普遍存在延迟现象，本田公务机 (HondaJet) 也不例外。目前本田飞机公司有五款飞机正在进行认证测试。

本田公务机将于2015年获得认证并投入运营。总部位于美国的本田飞机公司目前已经开始在北卡罗莱纳州格林斯柏勒 (Greensboro) 制造该飞机，预计年产70-100台。制造商声称已经拿到100多架本田公务机的订单。

这款载客5人的双发喷气机设计上的独特亮点是将一对发动机用外挂架安装在机翼上方，而非常规的机翼下方。该机售价为450万美元，预计其航程可达1400海里，最大巡航速度可达420海里/小时。

Honda Aircraft

Following delays not atypical in development of any new jet, Honda Aircraft now has five airplanes in the HondaJet certification test program.

Anticipating certification and entry into service in early 2015, the U.S.-based company has already begun production in Greensboro, North Carolina, and plans to build 70 to 100 aircraft annually. As of early 2013, the manufacturer was claiming orders for more than 100 HondaJets.

The five-passenger twinjet's distinctive design features engines affixed by pylons atop each wing, rather than in the more common positions below the wings. Honda Aircraft expects the \$4.5 million airplane will have a range of 1,400 nautical miles and a maximum cruise speed of 420 knots.

皮拉图斯

单发涡轮螺旋桨飞机PC-12NG一向是公务机市场的宠儿，该机的瑞士制造商皮拉图斯最近公布了一直保密的双发喷气机PC-24的研发计划。PC-24虽为轻型喷气机，却拥有媲美中型喷气机的宽大机舱和一个超大的货舱门。该机为全金属机身，在少于3000英尺长度的跑道上也可起飞，最大巡航速度可达425海里/小时，搭载4名乘客时，使用备份油量航程可达1950海里。该机配备一名飞行员，售价为890万美元，计划于2017年投入运营。



皮拉图斯 PC-24 Pilatus PC-24

Pilatus

The Swiss manufacturer of the popular single-engine PC-12NG turboprop has finally revealed details of its hush-hush PC-24 twinjet program. The PC-24 is a light jet with a large, midsize-jet cabin and a huge cargo door. The all-metal model will operate from sub-3,000-foot runways, cruise at up to 425 knots and carry four passengers 1,950 nautical miles, with reserves. Entry into service for the \$8.9 million, single-pilot PC-24 is planned for 2017. ■